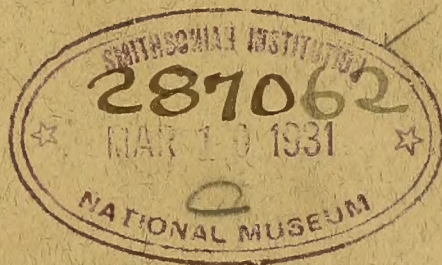


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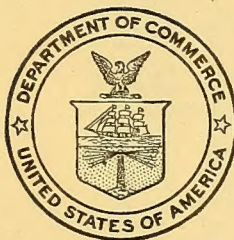
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ALPHABETICAL LIST

OF

PATENTEES FOR THE YEAR 1930

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Disclaimers follow in separate indexes, but precede the Alphabetical List of Inventions.

- A., Oscar, son Alvring, Midsommarkransen, near Stockholm, Sweden. Automatic liquid meter. 1,770,898; July 22.
- A. B. A. Specialties Company. (See Fridolph, Annette, assignor.)
- A B C Rug Cleaners Inc. (See Stride, William T., assignor.)
- A-B Stove Company. (See Reedy, Alfred F., assignor.)
- A. B. Stove Company. (See Reedy, Alfred J., assignor.)
- A C Spark Plug Company. (See Babitch, Abraham M., assignor.)
- A C Spark Plug Company. (See Berdon, Albert E., assignor.)
- A C Spark Plug Company. (See Berg, Louis, assignor.)
- A C Spark Plug Company. (See Blair, Mark L., assignor.)
- A C Spark Plug Company. (See Champion, Albert, assignor.)
- A C Spark Plug Company. (See Clason, Ragnar, assignor.)
- A C Spark Plug Company. (See Cram, L. V., and McKinley, assignors.)
- A C Spark Plug Company. (See Dearborn, Clinton H., assignor.)
- A C Spark Plug Company. (See Eshbaugh, Jesse E., assignor.)
- A C Spark Plug Company. (See Gregg, David, assignor.)
- A C Spark Plug Company. (See Gustafson, Edwin A., assignor.)
- A C Spark Plug Company. (See Hans, Edmund E., assignor.)
- A C Spark Plug Company. (See Harwood, M. P., and McKinley, assignors.)
- A C Spark Plug Company. (See Helgeby, Ralph O., assignor.)
- A C Spark Plug Company. (See Kamrath, Herbert B., assignor.)
- A C Spark Plug Company. (See Kamrath, Herbert G., assignor.)
- A C Spark Plug Company. (See Keeney, Don E., assignor.)
- A C Spark Plug Company. (See McKinley, Charles W., assignor.)
- A C Spark Plug Company. (See McKinley, C. W., and Kamrath, assignors.)
- A C Spark Plug Company. (See Norviel, Harry E., assignor.)
- A C Spark Plug Company. (See Nutt, Frank N., assignor.)
- A C Spark Plug Company. (See Pineau, Auguste, assignor.)
- A C Spark Plug Company. (See Rabezzana, Hector, assignor.)
- A C Spark Plug Company. (See Randolph, D. W., and McDougal, assignors.)
- A C Spark Plug Company. (See Stern, Marc, assignor.)
- A C Spark Plug Company. (See Wedin, Ivar T., assignor.)
- A C Spark Plug Company. (See Zubaty, Joseph, assignor.)
- A C Spark Plug Company. (See Zubaty, J., and Keeney, assignors.)
- A. G. Brown Boveri & Cie. (See Brown, Eric, assignor.)
- A. G. Brown, Boveri & Cie. (See Guettinger, Heinrich, assignor.)
- A. G. Brown Boveri & Cie. (See Holzel, Johannes, assignor.)
- A. G. Brown Boveri & Cie. (See Kopeliowitsch, J., and Kubler, assignors.)
- A. G. Brown Boveri & Cie. (See Kubler, Johannes, assignor.)
- A. G. Brown Boveri & Cie. (See Meyerhans, August, assignor.)
- A. G. Brown Boveri & Cie. (See Prantl, Franz, assignor.)
- A. G. Brown Boveri & Cie. (See Prantl, F., Luthi, and Schroeder, assignors.)
- A. G. Brown Boveri & Cie. (See Walty, Werner, assignor.)
- A. G. Brown Boveri & Cie. (See Wichert, Alfred, assignor.)
- A. G. Brown Boveri & Cie. (See Widmer, Stephen, assignor.)
- A. G. Prior Patentverwertungs-Gesellschaft. (See Ruegger, Walter, assignor.)
- A. J. & K. Company, The. (See Janer, Andre, assignor.)
- A-R Products Corporation, The. (See Kline, Walter A., assignor.)
- A. Riebeck'sche Montanwerke Aktiengesellschaft. (See Metzger, J., Kreutzer, and Hellthaler, assignors.)
- A. Riebeck'sche Montanwerke Aktiengesellschaft. (See Hellthaler, Theodor, assignor.)
- A/S Dansk Pressefabrik. (See Skov, Henry A., assignor.)
- A/S Krystal. (See Jeremiassen, Finn, assignor.)
- Aab, William, New Ulm, Minn. Reaming tool for connecting rods. 1,763,917; June 17.
- Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-breaker-operating mechanism. 1,756,930; May 6.
- Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator. 1,778,820; Oct. 21.
- Aanonson, Henry, Eland Junction, Wis. Vehicle. 1,787,029; Dec. 30.
- Aaron, Arthur H., Amityville, assignor to Fairchild Aviation Corporation, New York, N. Y. Muffler. 1,782,396; Nov. 25.
- Aaron, Emanuel, Bronx, N. Y. Razor-blade sharpener. 1,758,915; May 20.
- Aaron, Harry, Scranton, Pa., assignor to The Pinzit Company, Inc., New York, N. Y. Pinning sheets. 1,758,679; May 13.
- Aarseth, Ole M., Echo, Minn. Mail box. 1,781,264; Nov. 11.
- Abadie, Lucian, et al, trustees. (See Gruss, Francis K., assignor.)
- Abascal, Manuel, San Francisco, Calif. Wire-tightening device. 1,750,252; Mar. 11.
- Abbe, Edward J., assignor to The Elwell Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,753,731; Apr. 8.
- Abbe, Edward J., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Controller. 1,783,763; Dec. 2.
- Abbe, George C., Kennett Square, assignor to American Road Machinery Company, Inc., Kennett Square, Pa. Snowplow. 1,786,974; Dec. 30.
- Abbe, Paul O., Inc. (See Garlick, R., and Sellman, assignors.)
- Abbey-Scherer Company, The. (See Scherer, John R., assignor.)
- Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Apparatus for manufacturing tires. 1,752,136; Mar. 25.
- Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Apparatus for treating tire bands. 1,756,529; Apr. 29.
- Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Apparatus and method for making tire casings. 1,762,146; June 10.
- Abbott, Adrian O., jr., assignor to Morgan and Wright, Detroit, Mich. Method of and apparatus for manufacturing pneumatic tires. 1,762,752; June 10.
- Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Building tires and product. 1,770,895; July 22.
- Abbott, Albert L., assignor to Diebold Safe & Lock Company, Canton, Ohio. Vault construction. 1,770,189; July 8.
- Abbott, Albert L., Canton, assignor to The Diebold Safe & Lock Company, Canton, Ohio. Jamb section. 1,781,488; Nov. 11.
- Abbott, Basil N., Richmond, Va. Flat-top-desk cabinet. 1,781,152; Nov. 11.
- Abbott, Cecil C., Harbor Springs, W. E. Bassett, B. L. Bassett, and I. L. Bassett, Detroit, Mich. Fire escape. 1,782,951; Nov. 25.
- Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Heat-dissipating device. 1,758,775; May 13.
- Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Self-contained heated device. 1,758,815; May 13.
- Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Electric heater. 1,770,823; July 15.
- Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Electric heater. 1,770,824; July 15.
- Abbott, Edward J., Wilton, N. H. Treating and packaging slivers and resulting packages. 1,746,509; Feb. 11.

- Abbott, Edward J., Wilton, N. H. Apparatus for textile dyeing. 1,775,542; Sept. 9.
- Abbott, Edward J., Wilton, N. H. Dyeing filamentous textile substances. 1,775,543; Sept. 9.
- Abbott, Ernest A., Sale England. Mount for calendars. 1,764,236; June 17.
- Abbott, Geoffrey J., assignor to P. I. V. Chain Gears Limited, London, England. Milling machine. 1,775,184; Sept. 9.
- Abbott, George L., assignor to The Garlock Packing Company, Palmyra, N. Y. Wiper and laminated structure developed in its manufacture. 1,770,896; July 22.
- Abbott Laboratories. (See Adams, Roger, assignor.)
- Abbott Laboratories. (See Brush, Albert D., assignor.)
- Abbott Laboratories. (See Nielsen, Carl, assignor.)
- Abbott Laboratories. (See Raiziss, George W., assignor.)
- Abbott Laboratories. (See Vliet, E. B., and Volwiler, assignors.)
- Abbott, Lyle S., Chicago, Ill. Removable furnace roof. 1,751,675; Mar. 25.
- Abbott, Lyle S., Chicago, Ill. Composite tile-hanger bar. 1,751,676; Mar. 25.
- Abbott, Lyle S., Chicago, Ill. Furnace-arch construction. 1,764,707; June 17.
- Abbott, Lyle S., Chicago, Ill. Integral roof construction for furnaces. 1,764,708; June 17.
- Abbott, Scott M., Chicago, Ill. Gas-cartridge-firing device. 1,772,656; Aug. 12.
- Abbott, Welcome F., Mount Vernon, Ill. Infant's bath and drier. 1,750,698; Mar. 18.
- Abbott, William G., jr., Wilton, N. H. Apparatus for use in spool-dyeing yarns. 1,775,922; Sept. 16.
- Abbotts Alderney Dairies, Inc. (See High, Antony, assignor.)
- Abby, Warren, Marina, Calif. Exterminator. 1,755,857; Apr. 22.
- Abel, Albert B., Sydney, New South Wales, Australia. Safety frying pan. 1,749,239; Mar. 4.
- Abel, August, Leipzig, Germany. Method and device for producing stroboscopic light effects. 1,722,410; Aug. 5.
- Abel, August, Leipzig, Germany. Light-advertising device. 1,787,333; Dec. 30.
- Abel, August, Leipzig, Germany. Device for the production of apparently-moving display matter. 1,787,334; Dec. 30.
- Abel, August, Leipzig, assignor to the firm: Atlas-Werke Pöhler & Co., Leipzig-Slotteritz, Germany. Shoe-making machine. 1,779,079; Oct. 21.
- Abel, Frank J., New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Candlestick or article of analogous nature. Des. 80,993; Apr. 22.
- Abel, Frank J., New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Lamp. Des. 81,268; June 3.
- Abel, Frank J., New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Illuminated base for clocks or articles of analogous nature. Des. 81,515; July 8.
- Abel, Frank J., New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Clock frame or article of analogous nature. Des. 81,612; July 22.
- Abel, Frank J., New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Plate for smokers' stands. Des. 82,357; Oct. 28.
- Abel, Frank J., New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Handle for smokers' stands or article of analogous nature. Des. 82,409; Nov. 4.
- Abel, Henry W., Brillion, Wis. Animal trap. 1,785,664; Dec. 16.
- Abel, Joseph C., Westwood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Tank-dome cover and locking means therefor. 1,748,056; Feb. 25.
- Abel, Walter T. (See White, F. R., Abel, and Carley.)
- Abeles, Charles J., New York, N. Y. Reading cabinet. Des. 81,568; July 15.
- Abeles, Ernest A., New York, N. Y. Solvent recovery apparatus for rubber-spreading machines. 1,752,875; Apr. 1.
- Abeling, Edward A. and F. W., Cashmere, Wash. Ditcher for tractors. 1,768,019; June 24.
- Abeling, Fred W. (See Abeling, Edward A. and F. W.)
- Abell, Parker E. (See Perry R. W., and Abell.)
- Abell, Rollin, Milton, Mass. Engine starter. 1,778,010; Oct. 14.
- Abell, Rollin, Milton, Mass. Engine starter. 1,778,011; Oct. 14.
- Abell, Rollin, Milton, Mass. Engine starter. 1,778,012; Oct. 14.
- Abell, Rollin, Milton, Mass. Engine drive mechanism. 1,784,409; Dec. 9.
- Abels, Aloysius J., assignor to Handi-Appliance Corporation, Buffalo, N. Y. Fluid-pressure motor. 1,747,921; Feb. 18.
- Abelson, Carl J., Providence, R. I. Collapsible case. 1,771,156; July 22.
- Abenanti, Joseph, assignor to Crown Rheostat & Supply Co., Chicago, Ill. Preventing oil leakage. 1,760,463; May 27.
- Abendroth Brothers. (See Seeley, Frank E., assignor.)
- Aber, John C., Butler, Pa. Audiphone. 1,753,817; Apr. 8.
- Abercrombie, Edward M. (See Patterson, Herbert, assignor.)
- Abercrombie, James S. (See Plummer, Jesse W., assignor.)
- Abercrombie, James S., Houston, Tex. Anchor for wells. 1,774,911; Sept. 2.
- Aberfoyle Manufacturing Company. (See Ashton, Francis E., assignor.)
- Abernathy, Clyde G., Hornell, N. Y., assignor to G. O. Harm, Warren, Ohio. Adjustable form and supporting pedestal therefor. 1,772,793; Aug. 12.
- Abert, Byron H., Milwaukee, Wis. Safety-valve attachment for dental vulcanizers. 1,778,411; Oct. 14.
- Abingdon Engineering Co. (See Sokolow, Samuel, assignor.)
- Aborn, Bertrand L., Belfast, Me. Rotary saw. 1,785,065; Dec. 16.
- Aborn, Edward, East Orange, N. J. Coffee-pot construction. 1,762,207; June 10.
- Aborn, Edward, East Orange, N. J. Coffee-brewing apparatus. 1,762,208; June 10.
- Aborn, Edward, East Orange, N. J. Coffee extraction. 1,762,209; June 10.
- Abraham, Earl A. (See Moyers, G. L., and Abraham.)
- Abraham, Leonard G., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Picture-transmitting system. 1,743,180; Jan. 14.
- Abraham, Leonard G., Teaneck, N. J., assignor to American Telephone and Telegraph Company. Measurement of active balance components. 1,744,031; Jan. 21.
- Abrahams, Alexander I., New York, N. Y. Loud-speaker horn. 1,731,489; Nov. 11.
- Abrahams, Simon, New York, N. Y. Gas turbine. 1,756,446; Apr. 29.
- Abrahamson, Edwin W., assignor to Twin-Plex Metal Manufacturing Corporation, Buffalo, N. Y. Window. 1,762,460; June 10.
- Abrahamson, Henry, Chicago, Ill. Sanitary appliance. 1,750,084; Mar. 11.
- Abrahamson, Henry, Chicago, Ill. Sanitary garment shield. 1,765,896; June 24.
- Abramofsky, Joseph, Toledo, Ohio. Clothing shield. 1,750,560; Mar. 11.
- Abrams, John M., Brooklyn, N. Y. Air-operated toy. 1,756,050; Apr. 29.
- Abrams, Victor R., assignor of one-half to A. N. Shelander, Brunswick, Ga. Wood preservation. 1,769,983; July 8.
- Abramson, Alexander, Prague-Weinberge, Czechoslovakia. Variable-stroke pump-operating mechanism. 1,771,907; July 29.
- Abramson, Eino J., Halfway, Mich. Finger support. 1,776,094; Sept. 16.
- Abramson, John H., assignor to Greenlee Bros. & Co., Rockford, Ill. Recessing tool. 1,753,103; Apr. 1.
- Abramson, John H., assignor to Greenlee Bros. & Co., Rockford, Ill. Bit extension. 1,758,069; May 13.
- Abbate, Attilio, Rio de Janeiro, Brazil. Carburetor. 1,759,498; May 20.
- Abriani, Mario, Genoa, Italy. Ship-unloading device. 1,765,118; June 17.
- Absmeier, Carl, Maywood, assignor to United States Gypsum Company, Chicago, Ill. Board-cutting machine. 1,786,726; Dec. 30.
- Abson, Gene, assignor to Chicago Paving Laboratory, Inc., Chicago, Ill. Asphaltic material and process for manufacture. 1,782,186; Nov. 18.
- Abt, Louis, Chicago, Ill. Ventilated skylight construction. 1,771,107; July 22.
- Acaster, Thomas H., Old Trafford, Manchester, England. Golf tee. 1,755,344; Apr. 22.
- Accettura, Frank. (See Rebarchak, Michael, assignor.)
- Acclimated Fur Farm. (See McCassey, G. L., and Cox, assignors.)
- Accounting & Tabulating Corporation of Great Britain, Limited, The. (See Power, R. F., and Thomas, assignors.)
- Accounting & Tabulating Corporation of Gt. Britain, Limited, The. (See Thomas, Arthur, assignor.)
- Accounting & Tabulating Corporation of Great Britain, Limited, The. (See Thomas, A., and Hallahan, assignors.)
- Accounting and Tabulating Machine Corporation. (See Goerlitz, Hans, assignor.)
- Accurate Gasoline Recording Company. (See Mason, A. R., and Failing, assignors.)
- Accurometer Mfg. Co. (See Phelps, Clyde H., assignor.)
- Acer, George A., Middleport, N. Y. Attaching hook for basket covers. 1,742,298; Jan. 7.
- Acer, Herbert A., assignor to Acer & Whedon, Inc., Medina, N. Y. Furnace top. 1,783,065; Nov. 25.
- Acer & Whedon, Inc. (See Acer, Herbert A., assignor.)
- Acetylene Stove Manufacturing Company, The. (See Davis, Ernest L., assignor.)
- Ach, Narziss, and G. Wilichowski, Göttingen, Germany. Recording apparatus. 1,770,903; July 22.
- Achatz, John, assignor of one-half to R. B. Spruill, Hooper, Colo. Clevis. 1,762,113; June 3.
- Acheson Graphite Company. (See Koethen, Frederick L., assignor.)
- Achtmeyer, William, Orange, Conn., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y. Making imitation animal fur. 1,760,464; May 27.
- Acker, Harold K. (See Smallwood, G. T., and Acker.)
- Ackerly, Donald G., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Rectifier circuit. 1,766,051; June 24.
- Ackerman, Albert C., Jeannette, Pa. Windmill wheel. 1,776,211; Sept. 16.

- Ackerman, Albert H., Chicago, Ill., assignor to Catalytic Chemical Company, Denver, Colo. Enhancing the flow of oils through pipe lines. 1,754,296; Apr. 15.
- Ackerman, Albert H., Chicago, Ill., assignor to Catalytic Chemical Company, Denver, Colo. Treating fuel oils. 1,754,297; Apr. 15.
- Ackerman, Albert H., assignor to The Studebaker Corporation, South Bend, Ind. Upholstery unit. 1,766,969; June 24.
- Ackerman-Blaesser-Fezzey, Inc. (See Ackerman, E. L., and Zwierzina, assignors.)
- Ackerman, Blaesser, Fezzy, Inc. (See Zwierzina, Alois J., assignor.)
- Ackerman, Edward L., and A. J. Zwierzina, Detroit, Mich. Demountable rim for automobile wheels. 1,750,208; Mar. 11.
- Ackerman, Edward L., and A. J. Zwierzina, Detroit, Mich. Demountable rim. 1,750,209; Mar. 11.
- Ackerman, Edward L., and A. J. Zwierzina, assignors to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Clutch device. 1,770,449; July 15.
- Ackerman, Eli O., Columbus, Ohio. Vibration-dampening device. 1,765,477; June 24.
- Ackerman, Ernest W., and G. C. Nicholson, assignors to The Hydro-Check Corporation, Monroe, Mich. Hydraulic rebound device. 1,752,409; Apr. 1.
- Ackerman, Ernest W., and G. C. Nicholson, assignors to The Hydro-Check Corporation, Monroe, Mich. Rebound device. 1,759,879; May 27.
- Ackerman, Ernest W., and G. C. Nicholson, assignors to Hydro-Check Corporation, Monroe, Mich. Hydraulic resistance device. 1,775,840; Sept. 16.
- Ackerman, George W., New York, N. Y. Grille. Des. 80,872; Apr. 8.
- Ackerman, George W., New York, N. Y. Speaking attachment for doors. Des. 82,240; Oct. 14.
- Ackerman, George W., New York, N. Y. Door attachment. 1,749,055; Mar. 4.
- Ackerman, Michael H., Mansfield, assignor of one-half to L. C. Sickel, Caledonia, Ohio. Refrigerating apparatus. 1,773,213; Aug. 19.
- Ackerman, Michael H., Mansfield, assignor of one-half to L. C. Sickel, Caledonia, Ohio. Wrist-pin bearing. 1,774,219; Aug. 26.
- Ackerman, Paul C., assignor to The Timken Roller Bearing Company, Canton, Ohio. Shaft bearing. 1,778,822; Oct. 21.
- Ackerman, William K., Detroit, Mich. Liquid extractor. 1,753,732; Apr. 8.
- Ackermann, Hugo, Godesberg-on-the-Rhine, Germany. Press. 1,744,352; Jan. 21.
- Ackermann, Hugo, Godesberg-on-the-Rhine, Germany. Molding box. 1,767,163; June 24.
- Ackermann, Hugo, Godesberg, and W. Langenheim and H. Knuth, Bonn, Germany. Manufacture of refractory acid resisting and other products bonded by means of clay. 1,744,351; Jan. 21.
- Ackermann, Otto, Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cathode-ray oscillograph. 1,768,875; July 1.
- Ackermann, Otto, Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillograph. 1,779,794; Oct. 28.
- Ackermite Company. (See Leach, Edgar J., assignor.)
- Ackley, Amos, Camden, N. J., assignor to American Type Founders Company. Automatic sheet-feeding mechanism. 1,767,638; June 24.
- Ackley, Raymond E., assignor to R. R. Donnelley and Sons Company, Chicago, Ill. Book-sewing machine. 1,764,863; June 17.
- Ackley, William L., assignor of fifty-one per cent to Dallas Tailor's Supply Company, Incorporated, Dallas, Tex. Valve-stem guide. 1,784,086; Dec. 9.
- Ackman, Frank J., Shreveport, and G. B. Reeger, Cotton Valley, La. Oil heater. 1,769,817; July 1.
- Ackroyd, Harry, East Chicago, Ind., and A. W. Powell, Chicago, Ill. Uncoupling device for railway cars. 1,772,411; Aug. 5.
- Acme Canning Machines Company. (See Duncan, Arthur L., assignor.)
- Acme Card System Company. (See Powell, Frank D., assignor.)
- Acme-Knitting Machine & Needle Company. (See Stewart, Albert E., assignor.)
- Acme Motion Picture Projector Company. (See Canavan, Joshua N., assignor.)
- Acme Motion Picture Projector Company. (See De Vault, Ralph P., assignor.)
- Acme Motion Picture Projector Company. (See Pondelicek, Jerry J., assignor.)
- Acme Road Machinery Company. (See Cook, David B., assignor.)
- Acme Steel Company. (See Fork, W. C., and Kronquest, assignors.)
- Acme Steel Company. (See MacChesney, C. M., and Norton, assignors.)
- Acme Steel Company. (See Norton, Ralph H., assignor.)
- Acme Wire Company, The. (See Barnum, Marshall, assignor.)
- Acoustic Products Company. (See Dunning, Orville M., assignor.)
- Acoustic Products Company. (See Hutchison, Miller R., assignor.)
- Acro Aktiengesellschaft. (See Lang, Franz, assignor.)
- Acton, Clare S., assignor to Wolverine Tube Company, Detroit, Mich. Cooking receptacle. 1,757,989; May 13.
- Acuff, George W., Jr., St. Louis, Mo. Auxiliary boom for excavators. 1,756,166; Apr. 29.
- Adair, Gus N., Los Angeles, Calif. Sugar dispenser. 1,768,091; June 24.
- Adam, Adam P., Fall River, Mass. Detector for identifying electric conductors and testing for short circuits. 1,746,809; Feb. 11.
- Adam, Auguste E., Houilles, France. Pocket device for nail care. 1,773,770; Aug. 26.
- Adam, Auguste E., Houilles, France. Device for automatic adjustment of light projectors. 1,781,311; Nov. 11.
- Adam, Carl, Easton, Pa. Oil-rod wiper. 1,767,954; June 24.
- Adam, Frederick B., St. Louis, Mo. Outlet box. 1,752,322; Apr. 1.
- Adam, Frederick B., St. Louis, Mo. Electric switch. 1,786,727; Dec. 30.
- Adam, Joseph F., assignor of one-half to J. Tessier, Toronto, Ontario, Canada. Valve-operating mechanism. 1,780,856; Nov. 4.
- Adam, Otto, Berlin, Germany. Stocking and sock holder. 1,752,219; Mar. 25.
- Adam, William, Staunton, Ill. Safety bumper-actuated control for vehicles. 1,751,186; Mar. 18.
- Adam, William J., assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Photo-engraver's printing frame. 1,750,253; Mar. 11.
- Adams, Albert, McMechen, W. Va. Smoke consumer. 1,752,717; Apr. 1.
- Adams, Alfred A., Brooklyn, N. Y. Carrying case. 1,754,663; Apr. 15.
- Adams, Arthur A., Brookline, Mass., assignor to Railway Safety Switch Lock Company, Seattle, Wash. Locking mechanism for switch stands. 1,779,266; Oct. 21.
- Adams, Arthur H., Lakeville, Conn. Train-control system. 1,742,188; Jan. 7.
- Adams, Arthur H., La Grange, Ill. Train-control system. 1,742,189; Jan. 7.
- Adams, Arthur H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making conductor terminals. 1,764,592; June 17.
- Adams, Arthur H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for insulating electrical conductors. 1,765,520; June 24.
- Adams, Arthur H., La Grange, Ill., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Laundry ironing and pressing apparatus. 1,769,009; July 1.
- Adams, Arthur H., La Grange, Ill., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Laundry ironing and pressing machine. 1,769,010; July 1.
- Adams, Arthur H., La Grange, Ill., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Pressing machine. 1,771,476; July 29.
- Adams, Arthur H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing electrical conductors. 1,782,397; Nov. 25.
- Adams, Arthur J., Renton, Wash., assignor to W. S. Ferris, Elkhart, Ind., trading as Domore Chair Company. Swiveling chair. Re17,686; June 3.
- Adams-Barre Company, The. (See Adams, John Q., assignor.)
- Adams, Boyd, Pittsburgh, Pa. Cabinet. 1,745,593; Feb. 4.
- Adams Bros. Mfg. Co. (See Hawe, William F. M., assignor.)
- Adams Bros. Mfg. Co. (See Steffen, Adolf, assignor.)
- Adams, Burke D., assignor of one-half to F. De C. Ball, St. Louis, Md. Landing gear for aircraft. 1,776,763; Sept. 30.
- Adams, Carl, Rochelle Park, N. J. Vehicle. 1,743,842; Jan. 14.
- Adams, Charles W., and H. F. Mitchel, assignors to The United States Graphite Company, Saginaw, Mich. Connection for carbon brushes and the like. 1,770,825; July 15.
- Adams Coal Machinery Company. (See Adams, Henry, assignor.)
- Adams, Edgar L., assignor to R. H. Angell, Dayton, Ohio. Producing embossed escutcheons, name plates, labels, and the like. 1,762,539; June 10.
- Adams, Edward C., Washington, D. C. Fluid-conduit device. 1,784,980; Dec. 16.
- Adams, Edwin B., Marion, assignor to D. C. Jenkins Glass Company, Kokomo, Ind. Tumbler. Des. 80,508; Feb. 18.
- Adams, Ernest E., Auckland, New Zealand. Pianoforte action. 1,779,303; Oct. 21.
- Adams, Frank, Indianapolis, Ind. Rotor winding and method of mounting end rings. 1,755,283; Apr. 22.
- Adams, Fred E., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Shuttle tension. 1,763,547; June 10.
- Adams, George D., and J. W. Dunigan, Chicago, Ill. Record apparatus. 1,748,692; Feb. 25.
- Adams, George G., Brooklyn, N. Y., assignor to Radio Corporation of America. Electrical system and device. 1,746,754; Feb. 11.
- Adams, George R., assignor to L. C. Sachs, Los Angeles, Calif. Door catch. Des. 82,299; Oct. 21.

- Adams, George W., San Antonio, Tex. Mixing machine. 1,744,294; Jan. 21.
- Adams, Harold E. (See Wylie, H. M., and Adams.)
- Adams, Harold F., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Shuttle eye. 1,772,446; Aug. 12.
- Adams, Harold S., Larchmont, N. Y., and L. Meuser, Bound Brook, N. J., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Manufacturing tetraalkylated thiuramdisulphides. 1,782,111; Nov. 18.
- Adams, Harold S., Larchmont, N. Y., and L. Meuser, Bound Brook, N. J., assignors to The Naugatuck Chemical Company, New Haven, Conn. Treating mixtures of amines. 1,782,112; Nov. 18.
- Adams, Harry, and O. B. Taylor, Washington, D. C. Crystal radio apparatus. 1,748,435; Feb. 25.
- Adams, Harry P., Balboa, Calif. Hair-drying apparatus. 1,747,342; Feb. 18.
- Adams, Henry, Plainfield, N. J. Apparatus and method of transferring coke and coal or the like. 1,784,650; Dec. 9.
- Adams, Henry, Plainfield, N. J. Atomizing jet nozzle. 1,785,802; Dec. 23.
- Adams, Henry, Plainfield, N. J. Atomizing mixing nozzle. 1,785,803; Dec. 23.
- Adams, Henry, Plainfield, N. J. Oil burning. 1,785,804; Dec. 23.
- Adams, Henry, Plainfield, N. J. Method of and apparatus for atomizing fuel oil. 1,785,805; Dec. 23.
- Adams, Henry, assignor to Adams Coal Machinery Company, Plainfield, N. J. Barge coal-loading apparatus. 1,752,410; Apr. 1.
- Adams, Henry, assignor to Adams Coal Machinery Company, Plainfield, N. J. Trestle unloading apparatus. 1,761,166; June 3.
- Adams, Henry, assignor to Adams Coal Machinery Company, Plainfield, N. J. Coal filling chute. 1,779,412; Oct. 28.
- Adams, Henry T., Chicago, Ill. Separable binding post. 1,742,747; Jan. 7.
- Adams, Henry T., Chicago, Ill. Bookholder. 1,764,818; June 17.
- Adams, Herbert L., Washington, D. C., assignor to Irving Air Chute Co., Inc., Buffalo, N. Y. Parachute and pack therefor. 1,780,104; Oct. 28.
- Adams, Industries, Inc. (See Jacques, Raynaldo P., assignor.)
- Adams, James L., jr., assignor of nine-tenths to Graver Corporation, East Chicago, Ind. Metal-spinning machine. 1,757,824; May 6.
- Adams, James R., Hatboro, Pa. Zone-hardening steel articles. 1,783,764; Dec. 2.
- Adams, James W., Bradford, England. Centrifugal liquid purifier. 1,781,676; Nov. 18.
- Adams, John F., Philadelphia, Pa. Adjusting mechanism for motion-picture-film framing means. 1,758,639; May 13.
- Adams, John Q., assignor to The Adams-Barre Company, Columbus, Ohio. Tire vulcanizer. 1,752,829; Apr. 1.
- Adams, Joseph W., Lexington, Ky. Gate. 1,763,414; June 10.
- Adams, Kempton, Redding Ridge, Conn. Lifting device for vehicles. 1,772,590; Aug. 12.
- Adams, Kempton, Redding Ridge, Conn. Lifting device for vehicles. 1,773,159; Aug. 19.
- Adams, Kempton, Redding Ridge, Conn. Mixer. 1,780,733; Nov. 4.
- Adams, Kempton, Redding Ridge, Conn. Mixer. 1,783,553; Dec. 2.
- Adams, Lester V., Schenectady, N. Y., assignor to General Electric Company. Flexible insulating material. 1,771,367; July 22.
- Adams, Lester V. (See Kienle, R. H., and Adams.)
- Adams, Lynchburg, Richmond, assignor to Union Oil Company of California, Los Angeles, Calif. Liquid sampler. 1,744,193; Jan. 21.
- Adams, Lytle S., Seattle, Wash., assignor to Airways Patent Corporation. Retarding device for aircraft. 1,758,880; May 13.
- Adams, Mathias J., assignor of one-fourth to Adams Patent Wheel Co., Turkey River Iowa. Wagon. 1,785,717; Dec. 16.
- Adams, Mathias J., and P. P. Adams, Turkey River, Iowa, assignors of one-fourth to Adams Patent Wheel Co., Turkey River, Iowa. Spoke. 1,785,171; Dec. 16.
- Adams Patent Wheel Co. (See Adams, Mathias J., assignor.)
- Adams Patent Wheel Co. (See Adams, Mathias J. and P. P., assignors.)
- Adams, Peter E., Brule, Wis. Snowplow. 1,763,736; June 17.
- Adams, Peter P. (See Adams, Mathias J. and P. P.)
- Adams, Peter P., Turkey River, Iowa. Front-wheel guide and brake. 1,785,172; Dec. 16.
- Adams, Raleigh J., Chicago, Ill. Boiler. 1,785,758; Dec. 23.
- Adams, Ralph L., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body construction. 1,767,500; June 24.
- Adams, Ray, Great Falls, Mont. Pan lifter. 1,777,284; Oct. 7.
- Adams, Robert, deceased, by Byron Jackson Co., Los Angeles, Calif., assignee. Multiple-size tongs. Re17,597; Feb. 18.
- Adams, Roger, Urbana, assignor to Abbott Laboratories, North Chicago, Ill. Arylaminoalcohol compound. 1,767,423; June 24.
- Adams, Roy L., Schenectady, N. Y., assignor to General Electric Company. Hard metallic composition. 1,775,014; Sept. 2.
- Adams, S. G., Stamp & Stationery Company. (See Peele, Hereward J., assignor.)
- Adams, Thomas C., Gastonia, N. C. Bottle or jar. 1,755,944; Apr. 22.
- Adams, Walter A., Rochester, N. Y. Electrical fixture. 1,745,396; Feb. 4.
- Adams, Walter E., Los Angeles, Calif. Circulation system for engines. 1,769,932; July 8.
- Adams, Walter L., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Line-guide mechanism for fishing reels. 1,748,404; Feb. 25.
- Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Railway car. 1,750,559; Mar. 11.
- Adams, Walter S., and E. Latshaw, assignors to The J. G. Brill Company, Philadelphia, Pa. Vestibule mounting for high-speed articulated cars. 1,751,300; Mar. 18.
- Adams, Walter S., Philadelphia, Pa., and E. Slingluff, sr., Cleveland Heights, Ohio, assignors to The J. G. Brill Company, Philadelphia, Pa. High-speed articulated car. 1,754,137; Apr. 8.
- Adams, William H., assignor to Eastern Finishing Works, Kenyon, R. I. Printed textile fabric. Des. 81,909; Sept. 2.
- Adams, William H., assignor to Eastern Finishing Works, Kenyon, R. I. Awning cloth. Des. 82,358; Oct. 28.
- Adams, William H., jr. (See Landt, G. E., and Adams.)
- Adams, William J., Santa Cruz, assignor to Ball Wagon Grader Company, Stockton, Calif. Scraper-bowl construction. 1,785,106; Dec. 16.
- Adams, William, Lawrence, and C. W. Wickersham, Cedarhurst, assignors to Adwick Corporation, New York, N. Y. Spark arrester. 1,763,643; June 17.
- Adams & Westlake Company, The. (See Levan, John F., assignor.)
- Adamson, Allan A., Rochester, N. Y., assignor, by mesne assignments, to Autokraft Box Corporation, Lima, Ohio. Forming lids for cigar boxes. 1,782,799; Nov. 25.
- Adamson, Arthur V., Hempstead, N. Y., assignor to International Combustion Engineering Corporation. Burning different fuels. 1,778,744; Oct. 21.
- Adamson, Charles E., Muncie, Ind. Retort burner for self-heating sadirons. 1,758,345; May 13.
- Adamson, Charles E., Muncie, Ind., assignor of one-third to J. L. Zorbaugh, Fort Wayne, Ind. Portable oven. 1,759,773; May 20.
- Adamson, Emma, Denver, Colo. Colonic therapy apparatus. 1,746,510; Feb. 11.
- Adamson, Ernie, New York, N. Y. Internal-combustion engine. 1,765,359; June 24.
- Adamson, George P., assignor to General Chemical Company, New York, N. Y. Generating hydrochloric-acid gas. 1,764,593; June 17.
- Adapti Company, The. (See Greene, William B., assignor.)
- Adartercraft, Inc. (See Mayer, August, assignor.)
- Adco, Inc., The. (See Rogers, Alfred S., assignor.)
- Addams, Homer, Oswego, N. Y. Heating boiler. 1,765,857; June 24.
- Addicks, Albert, Boitwarden, near Brake, Germany. Safety device for vehicles, particularly power-driven vehicles. 1,786,690; Dec. 30.
- Addicks, Diedrich C., Rockmart, Ga. Disintegrating machine. 1,764,138; June 17.
- Add-Index Corporation. (See Broman, Charles E., assignor.)
- Addington, W. H. (See Ferguson, James R., assignor.)
- Addison Investment Company. (See Edwards, William M., assignor.)
- Addison, Thomas. (See Gillham, R., Addison, Wetzel, and Langen.)
- Addor, Oliver, Lausanne, Switzerland. Vehicle lamp. 1,774,957; Sept. 2.
- Addressograph Company. (See Bailey, James A., assignor.)
- Addressograph Company. (See Gollwitzer, Walter T., assignor.)
- Addressograph Company. (See Hubbard, Henry E., assignor.)
- Addressograph Company. (See Hubbard, H. E., and McCain, assignors.)
- Addressograph Company. (See Hubbard, H. E., and Thompson, assignors.)
- Addressograph Company. (See McCain, Cecil C., assignor.)
- Addressograph Company. (See Richter, Elmer F., assignor.)
- Addressograph Company. (See Schaefer, George W., assignor.)
- Addressograph Company. (See Thompson, Herbert L., assignor.)
- Addy, Charles W., J. Billing, and H. Halkyard, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of yarns or threads. 1,742,568; Jan. 7.
- Adell, John A., Orange, Mass. Outlet box. 1,748,693; Feb. 25.
- Adelman, Arthur, Chesaning, Mich. Fuse for projectiles. 1,744,194; Jan. 21.

- Adelson, Abraham M., Boston, Mass. Garment hanger. 1,775,923; Sept. 16.
- Adelsperger, Charles C., and H. D. Fitzgerald, assignors to Union City Body Company, Union City, Ind. Theater chair. 1,769,731; July 1.
- Aderer, Julius, New York, N. Y. Soldering tweezers. 1,758,490; May 13.
- Adirondack Enterprises Inc. (See Sleaster, Frederick I., assignor.)
- Adjusta Company. (See Hirsh, Fred, assignor.)
- Adjustable Clamp Company. (See Holman, Harry V., assignor.)
- Adjusto Equipment Company. (See Buchet, Conrad R., assignor.)
- Adkins, George, Carnegie, Okla. Draft attachment for vehicles. 1,770,291; July 8.
- Adlake Company, The. (See Greist, Raymond L., assignor.)
- Adlake Company, The. (See Hamm, William S., assignor.)
- Adlake Company, The. (See Hamm, W. S., and Greist, assignors.)
- Adlake Company, The. (See Keller, Walter E., assignor.)
- Adlake Company, The. (See Larson, Carl H., assignor.)
- Adlake Company, The. (See Sevison, Harry D., assignor.)
- Adlake Company, The. (See Whitmore, Edward E., assignor.)
- Adler, Howard, and G. A. McDonald, Chicago Heights, assignors to Victor Chemical Works, Chicago, Ill. Seed fungicide and disinfectant. 1,785,472; Dec. 16.
- Adler, Howard, and G. A. McDonald, Chicago Heights, Ill., assignors to Victor Chemical Works. Granular calcium phosphate. 1,785,473; Dec. 16.
- Adler, Jack, St. Louis, Mo. Radiator shield. 1,778,544; Oct. 14.
- Adler Manufacturing Co. (See Bloom, Nathan P., assignor.)
- Adler, Oscar and R., Karlsbad, Czechoslovakia. Sterilizing of water. 1,750,561; Mar. 11.
- Adler, Oscar and R., Karlsbad, Czechoslovakia. Purification of water. 1,771,518; July 29.
- Adler, Rudolf. (See Adler, Oscar and R.)
- Adley, Lloyd C. (See Crew, Charles R., assignor.)
- Adolph, Gustav. (See Pietzsch, A., and Adolph.)
- Adolph, Gustav, and A. Pietzsch, Hoellriegelskreuth, near Munich, Germany. Bleaching. 1,750,657; Mar. 18.
- Adrian & Busch. (See Sünder, J., and Renno, assignors.)
- Adrian, Edward H., Port Byron, Ill. Grain bin or crib. 1,761,287; June 3.
- Adriance Machine Works, Inc. (See Ross, Hugh M., assignor.)
- Adsit, Charles G., Andrews Drive, and C. E. Bennett, Decatur, Ga. Electric power-supply system. 1,777,952; Oct. 7.
- Adsit, Frank W., St. Paul, assignor to Rotary Carton Machine Company, Minneapolis, Minn. Cylinders for forming cartons, etc. 1,777,285; Oct. 7.
- Advance Machine Company. (See Antoine, A. D., and Gebert, assignors.)
- Advance Machine Company. (See Antoine, Alfred D., assignor.)
- Advance Machine Company. (See Richardson, M. H., and Antoine, assignors.)
- Advance Machine Company. (See Richardson, M. H., and Gebert, assignors.)
- Advance-Rumely Company. (See Balletine, W. I., and Thompson, assignors.)
- Advance-Rumely Company. (See Secor, John A., assignor.)
- Advance-Rumely Company. (See Thomas, O., and Thompson, assignors.)
- Advance-Rumely Company. (See Worthington, Wayne H., assignor.)
- Adwick Corporation. (See Adams, W., and Wickersham, assignors.)
- Aeby, Louis. (See Kocourek, H., and Aeby.)
- Aegerter, Gustave W., St. Louis, Mo. Radio receiving aerial. 1,774,538; Sept. 2.
- Aeldert, August, Dusseldorf, Germany. Machine for cleaning paper rags and the like. 1,770,505; July 15.
- Aeolian Company, The. (See Bostelmann, John C., jr., assignor.)
- Aeolian Company, The. (See Cheek, Tolbert F., assignor.)
- Aeolian Company, The. (See Dickinson, Joseph H., assignor.)
- Aeolian Company, The. (See Head, Robert, assignor.)
- Aeolian Company, The. (See Volare, Fred, assignor.)
- Aerial Advertising Company. (See Neal, Malcolm A., assignor.)
- Aerial Advertising, Inc. (See Rohlf, Roland, assignor.)
- Aernout, Robert, Baron Van Lynden, London, England. Fluid-current meter. 1,747,536; Feb. 18.
- Aerocrete Corporation of America, The. (See Sahlberg, Rolf, assignor.)
- Aerograph Company Limited, The. (See Burdick, Charles L., assignor.)
- Aero Liquid Meter Corporation. (See Baker, Theodore E., assignor.)
- Aeromarine Plane & Motor Co. (See Boland, Joseph, J., assignor.)
- Aerometric Valve Corp. (See Smith, Harvey E., assignor.)
- Aero Model Company, The. (See Schutte, Junius M., assignor.)
- Aeromotor Company. (See Scholes, Daniel R., assignor.)
- Aeronautical Corporation of America, The. (See Roché, Jean A., assignor.)
- Aero-Safe Motors Corporation. (See Tuxhorn, Blaine M., assignor.)
- Aerovox Wireless Corporation. (See Schecker, Henry F., assignor.)
- Aeschbach, Friedrich, Aarau, Switzerland. Mixing and kneading machine. 1,752,628; Apr. 1.
- Aeschbach, Friedrich, Aarau, Switzerland. Kneading and mixing machine, particularly for pastelike goods. 1,756,078; Apr. 29.
- Aeschbach, Friedrich, Aarau, Switzerland. Dough mixing and kneading machine. 1,770,292; July 8.
- Aeschbach, Friedrich, Aarau, Switzerland. Device for tilting troughs of dough kneading and mixing machines. 1,775,220; Sept. 9.
- Aetna Rubber Company, The. (See Jefferys, Frederick R., assignor.)
- Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Reduction of static interference in carrier systems. 1,752,360; Apr. 1.
- Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Wave filter. 1,772,506; Aug. 12.
- Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Transmission system. 1,773,126; Aug. 19.
- Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Concentric conductor system. 1,781,093; Nov. 11.
- Affel, Herman A., and B. P. Hamilton, Brooklyn, N. Y., assignors to American Telephone & Telegraph Company. Carrier transmission system for printing telegraphy. 1,743,588; Jan. 14.
- Affel, Herman A., Ridgewood, and E. I. Green, East Orange, N. J., assignors to American Telephone and Telegraph Company. Concentric conducting system. 1,781,092; Nov. 11.
- Affolter, John F., Dennison, Ohio. Battery-terminal puller. 1,772,447; Aug. 12.
- Aftergut, Max, Berlin-Schöneberg, and Jehuda Prashker, Berlin-Charlottenburg, Germany. Mechanical telautograph. 1,746,331; Feb. 11.
- Agar, John C., assignor to Swift and Company, Chicago, Ill. Carcass-chilling support. 1,757,070; May 6.
- Agasote Millboard Company, The. (See Harvey, Harold C., assignor.)
- Agasote Millboard Company, The. (See Harvey, H. C., and Becher, assignors.)
- Agazzi, Theodore, Brooklyn, N. Y. Combination article of furniture. 1,749,686; Mar. 4.
- Agee, George M., Owensboro, Ky. Control valve. 1,754,138; Apr. 8.
- Agee, William P., jr., assignor to Specialty Advertising Company, Little Rock, Ark. Price card and sign exhibitor. 1,758,904; May 13.
- Ager, Clarence P., and A. L. Frost, Tacoma, Wash., and A. P. Demmer, Minneapolis, Minn. Foot guard. 1,776,532; Sept. 23.
- Agfa Anasco Corporation. (See Becker, Oscar, assignor.)
- Agfa Anasco Corporation. (See Bornmann, Carl A., assignor.)
- Agfa Anasco Corporation. (See Eggbert, J., Schmidt, and Wendt, assignors.)
- Agfa Anasco Corporation. (See Goldacker, P., and Schmidt, assignors.)
- Agfa Anasco Corporation. (See Goldhammer, Leo, assignor.)
- Agfa Anasco Corporation. (See Mankenberg, Erwin, assignor.)
- Agfa Anasco Corporation. (See Matthies, O., and Wendt, assignors.)
- Agfa Anasco Corporation. (See Miller, Alfred, assignor.)
- Agfa Anasco Corporation. (See Reddell, G., and Müller, assignors.)
- Agfa Anasco Corporation. (See Risdon, John J., assignor.)
- Agfa Anasco Corporation. (See Slocum, Benjamin A., assignor.)
- Agfa Anasco Corporation. (See Wendt, Bruno, assignor.)
- Agli, Anthony. (See Wolf, C. E., and Agli.)
- Aglow, Harry, Philadelphia, Pa., assignor to Gill Glass and Fixture Company. Lighting fixture. Des. 80,666; Mar. 11.
- Aglow, Harry, Philadelphia, Pa., assignor to Gill Glass and Fixture Company. Lighting fixture. 1,780,161; Nov. 4.
- Agnell, Carl L., Chicago, Ill. Flower urn. 1,785,430; Dec. 16.
- Agner, Raymond C., Burlington, Wis. Antenna for radio systems. 1,761,608; June 3.
- Agnew, Clair M., Milwaukee, Wis. Metallic receptacle and making it. 1,742,336; Jan. 7.
- Agnew, Lewis E., jr. (See Kinsley, James P., assignor.)
- Agobian, George, Brooklyn, N. Y. Vise. 1,763,634; June 10.
- Ahearn, Elizabeth F., Detroit, Mich. Compartment pan. 1,752,137; Mar. 25.
- Ahern, James L., and L. G. Ledger, New Orleans, La. Piston and rod packing. 1,767,164; June 24.
- Ahl, Frank Z., Sacramento, Calif. Wall-register construction. 1,756,143; Apr. 29.
- Ahlbeck, Harry W., Riverside, Ill., assignor to Bakelite Corporation, New York, N. Y. Making formaldehyde. 1,744,295; Jan. 21.
- Ahlfors, Wilhelm, Spokane, Wash. Fish lure. 1,774,539; Sept. 2.
- Ahlin, Axel. (See Ahlin, Hjalmar and A.)

- Ahlin, Hjalmar and A., Chicago, Ill. Lifter. 1,749,796; Mar. 11.
- Ahlm, Charles E. F., Cleveland, Ohio, assignor to The Twin High Transmission Company, Syracuse, N. Y. Transmission gearing. 1,758,386; May 13.
- Ahlm, Charles E. F., assignor to Continuous Torque Transmission Company, Cleveland, Ohio. Electromagnetic transmission mechanism. 1,780,150; Nov. 4.
- Ahlm, Charles E. F., Cleveland, and G. M. Soule, South Euclid, assignors to Automotive Patent Holding Company, Cleveland, Ohio. Transmission gearing. 1,753,398; Apr. 8.
- Ahlum, Charles C., Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive and manufacture. 1,751,064; Mar. 18.
- Ahmels, Karl, Kassel, and L. Ohm, Gudensberg, near Kassel, Germany. Pocket microscope. 1,755,759; Apr. 22.
- Ahola, Emil, Ely, Minn. Needle threader. 1,769,249; July 1.
- Ahrens, Edward G., assignor of one-half to H. A. Gladstone, San Francisco, Calif. Cigarette case and lighter. 1,766,320; June 24.
- Ahrens, Fritz, Bockenem-on-the-Harz, assignor of one-half to Harzer Achenwerke, G. m. b. H., Bornum Am Harz, Konigsdabum (Post Bornum-on-the-Harz), Germany. Producing a coating stable toward acids and alkalis on metallic articles. 1,758,420; May 13.
- Ahrens, Henry T., Charlotte, and O. G. Ahrens, Stockdale, Tex. Cotton gin. 1,756,475; Apr. 29.
- Ahrens, Otto G. (See Ahrens, Henry T. and O. G.)
- Ahrold, John W., Des Moines, Iowa. Garbage-can holder. 1,779,867; Oct. 28.
- Aichele, Albert, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Automatic pressure-operated switch. 1,750,341; Mar. 11.
- Aiken, Charles W., Franklin, N. H. Separator. 1,768,533; July 1.
- Aiken, Charles W., Franklin, N. H. Conveyer. 1,768,534; July 1.
- Aiken, Edwin H., Superior, Ariz. Fluid-pressure generator. 1,752,052; Mar. 25.
- Aiken, Glen A., and J. R. Royston, Pittsburgh, Pa. Lock washer. 1,781,660; Nov. 11.
- Aiken, James, New Brighton, N. Y. Retaining device. 1,779,868; Oct. 28.
- Aiken, Thomas McG. (See McClintock, N. and Aiken.)
- Aikens, Thomas N., assignor of one-half to D. D. Walker, Dayton, Ohio. Vehicle wheel. 1,742,432; Jan. 7.
- Aikman, Burton S., Milwaukee, Wis. Starter control. 1,778,347; Oct. 14.
- Aikman, Burton S., Milwaukee, Wis., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor-unloader governor. 1,754,218; Apr. 15.
- Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Compressor. 1,773,717; Aug. 26.
- Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Car-washing system. 1,780,991; Nov. 11.
- Aikman, Joseph M., Stillwater, Minn. Automatic bleeder valve for auxiliary reservoirs of air-brake systems. 1,758,136; May 13.
- Aikman, William E., St. Maries, Idaho. Theft-preventing appliance. 1,775,924; Sept. 16.
- Ainscow, Joseph W. H., Lindfield, near Sydney, New South Wales, Australia. Liquid-fuel burner. 1,746,180; Feb. 4.
- Ainscow, Joseph W. H., Lindfield, near Sydney, New South Wales, Australia. Supporting means for liquid-fuel burners. 1,755,090; Apr. 15.
- Ainsley, Henry. (See Dean, G., and Ainsley.)
- Ainslie, Robert T., Palm Springs, Calif. Motor spreader. 1,780,902; Nov. 11.
- Ainsworth, Chester D. (See Garroway, D. C., and Ainsworth.)
- Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and contact structure therefor. 1,762,604; June 10.
- Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch. 1,765,363; June 24.
- Ainsworth, Chester D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,768,535; July 1.
- Ainsworth, Chester D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,768,536; July 1.
- Ainsworth, Harry G., Aurora, Ill. Door-operating mechanism. 1,783,354; Dec. 2.
- Ainsworth, Howard D., assignor to F. A. B. Manufacturing Company, Berkeley, Calif. Flexible coupling. 1,752,138; Mar. 25.
- Ainsworth Manufacturing Corporation. (See Potter, Albert T., assignor.)
- Air Cleaning and Reaming Corporation. (See Dunn, Irwin L., assignor.)
- Aircraft Development Corporation. (See Betancourt, Gilbert, assignor.)
- Aircraft Development Corporation. (See Thaden, Herbert V., assignor.)
- Aircraft Development Corporation. (See Upson, Ralph H., assignor.)
- Air Cruisers, Inc. (See Boyle, J. F., and Van Muffling, assignors.)
- Air Development Company. (See Shadle, Clinton F., assignor.)
- Air Lift Development Corporation. (See Mingus, L. C., Dunn, and Crooks, assignors.)
- Air Line Transportation Company. (See Davis, John H., assignor.)
- Airport Lighting, Inc. (See Donaldson, John S., assignor.)
- Air Preheater Corporation, The. (See Riley, Robert S., assignor.)
- Air Reduction Company. (See Anderson, James L., assignor.)
- Air Reduction Company. (See Crowe, John J., assignor.)
- Air Reduction Company. (See Deming, George M., assignor.)
- Air Reduction Company. (See Grow, Harold J., assignor.)
- Air Reduction Company. (See Van Nuys, C. C., and Schlitt, assignors.)
- Air Reduction Company, Incorporated. (See Rooke, Robert M., jr., assignor.)
- Airship Guarantee Company. (See Burney, C. D., and Bird, assignors.)
- Airship Guarantee Company. (See Burney, C. D., Wallis, Norway, and Temple, assignors.)
- Airship Guarantee Company. (See Burney, C. D., Wallis, and Temple, assignors.)
- Airship Guarantee Company Limited. (See Burney, Charles D., assignor.)
- Air-Way Electric Appliance Corporation. (See Cranmer, George H., assignor.)
- Air-way Pump Company. (See Andreasen, Alfred C., assignor.)
- Airway Revolving Sign Company. (See Lowry, Wallace L., assignor.)
- Airways Patent Corporation. (See Adams, Lytle S., assignor.)
- Aisen, Maurice, New York, N. Y. Toilet and cosmetic preparation. 1,743,512; Jan. 14.
- Aites, John F. (See Quinn, T., and Aites.)
- Aitken, Andrew W., assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Grader attachment for road rollers. 1,758,491; May 13.
- Aitkenhead, William, Failsworth, England. Agricultural machinery. 1,775,711; Sept. 16.
- Ajax Electrothermic Corporation. (See Linnhoff, Franz, assignor.)
- Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)
- Ajax, Erick J., Minneapolis, Minn., assignor to Dominion Electrical Manufacturing Company. Waffle iron or similar article. Des. 82,359; Oct. 28.
- Ajax Manufacturing Company, The. (See Blakeslee, John R., assignor.)
- Ajax Manufacturing Company, The. (See Criley, William W., assignor.)
- Ajax Metal Company, The. (See Isliker, Albert, assignor.)
- Ajdukovich, George, St. Louis, Mo. Necktie. 1,778,880; Oct. 21.
- Ajemian, John, Detroit, Mich. Curtain-rod cornice. 1,774,912; Sept. 2.
- Akalis, Charles J., Sugar Notch, Pa. Rotary table-silverware server. 1,761,382; June 3.
- Ake, William J., Cincinnati, Ohio. Receptacle. 1,775,747; Sept. 16.
- Akeley Camera, Inc. (See Howell, John F., assignor.)
- Akerberg, Carl G. (See Krug, W. H., and Akerberg.)
- Akeroyd, Julius A., Providence, R. I., assignor to General Electric Company. Attachment for screw-threading machines. 1,747,040; Feb. 11.
- Akers, Axel, assignor to Quality Hardware & Machine Corporation, Chicago, Ill. Multiple-mixture die-casting method and machine. 1,781,939; Nov. 18.
- Akers, Herbert S., Montvale, N. J., assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Diathermy. 1,748,937; Mar. 4.
- Akers, Milton K. (See Rataiczak, T. F., and Akers.)
- Akers, Milton K., Troy, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube rectifier. 1,747,852; Feb. 18.
- Akers, Oscar B., assignor of one-half to R. B. Prince, Bluefield, W. Va. Traffic air compressor. 1,771,200; July 22.
- Akers, William McK. (See Miller, A., and Akers.)
- Akeyson, Swan M., Long Beach, Calif. Rotary underreamer. 1,776,611; Sept. 23.
- Akimoff, Nicholas, Rome, Italy. Ship's structure. 1,778,993; Oct. 21.
- Akin, Henry D., and J. W. Wilder, Greensboro, N. C. Golf game or similar article. Des. 82,300; Oct. 21.
- Akins, Clifford M., Minneapolis, Minn. Apparatus for regulating a heating means. 1,750,085; Mar. 11.
- Akrigg, Stanley, Dryburg, Mich. Folding umbrella. 1,750,379; Mar. 11.
- Akro-Agate Company, The. (See Early, John F., assignor.)
- Akron Lamp Company, The. (See Steese, J. C., and Hoff, assignors.)
- Akron Standard Mold Company, The. (See Fleiter, Andrew J., assignor.)
- Akron Standard Mold Company, The. (See Humphrey, Walter E., assignor.)

- Akron Standard Mold Company, The. (See Voth, Walter P., assignor.)
- Aktiebolaget Atlas Diesel. (See Thege, Edvin O. P., assignor.)
- Aktiebolaget Axel Christiernsson et al. (See Jansson, Erik P., assignor.)
- Aktiebolaget Båsta. (See Heijenskjöld, Gustaf O. W., assignor.)
- Aktiebolaget C. E. Johansson. (See Pehrsson, Erik G., assignor.)
- Aktiebolaget Eiefvert & Farnander. (See Dietmann, Paul W., assignor.)
- Aktiebolaget Elektrisk Malmletning. (See Sundberg, Karl, assignor.)
- Aktiebolaget Eksjo Mekaniska Verkstad et al. (See Jansson, Erik P., assignor.)
- Aktiebolaget Formator. (See Nordenfelt, P., and Granstedt, assignors.)
- Aktiebolaget Formator. (See Wehmann, F. W., and Dahlström, assignors.)
- Aktiebolaget Fribergs Högvacuumpump. (See Friberg, Hjalmar, assignor.)
- Aktiebolaget Fribergs Högvacuumpump. (See Kristensson, Robert E., assignor.)
- Aktiebolaget Gotaverken. (See Johansson, Johan E., assignor.)
- Aktiebolaget Karlstads Mekaniska Verkstad. (See Ullgren, Johan D., assignor.)
- Aktiebolaget Kemiska Patenter. (See Nordengren, Sven G., assignor.)
- Aktiebolaget Lindholmen-Motala. (See Johansson, Karl O. R., assignor.)
- Aktiebolaget Linham. (See Lindstedt, Gustaf A., assignor.)
- Aktiebolaget Ljungströms Angturbin. (See Eriksson, Erik O., assignor.)
- Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
- Aktiebolaget Ljungströms Angturbin. (See Ljungström, F., and Lysholm, assignors.)
- Aktiebolaget Ljungströms Angturbin. (See Lysholm, Alf, assignor.)
- Aktiebolaget Ljungströms Angturbin. (See Söhr, E., and Ljungström, assignors.)
- Aktiebolaget Maskinfabriken Gota. (See Hammarström, N. L., and Hoving, assignors.)
- Aktiebolaget Nordiska Armaturfabrikerna. (See Weibull, Ernst H. W., assignor.)
- Aktiebolaget Siefert & Fornander. (See Dietmann, Paul W., assignor.)
- Aktiebolaget Superior. (See Westerberg, Carl A. A., assignor.)
- Aktiebolaget Sveaexport. (See Dockl, Johann, assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Jürgensmeyer, Wilhelm, assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Törnebohn, Hilding V., assignor.)
- Aktiebolaget Svenska Spiralfabriken. (See Gylling, Åke O., assignor.)
- Aktiebolaget Vacuum-Compressor. (See Berglund, Otto, R. P., assignor.)
- Aktiengesellschaft Brown, Boveri and Cie. (See Aichele, Albert, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Ammann, G., and Köhler, assignors.)
- Aktiengesellschaft Brown Boveri & Cie. (See Baumann, Adolph, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Baumann, A., and Meyer, assignors.)
- Aktiengesellschaft Brown Boveri & Cie. (See Brown, Erie, assignor.)
- Aktiengesellschaft Brown, Boveri and Cie. (See Brühlmann, Gottfried, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Buchli, Jacob, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See de Freudenreich, J., and Frey, assignors.)
- Aktiengesellschaft Brown, Boveri and Cie. (See Faber, Paul, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Frey, Karl, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Frey, Otto, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Gaudenzi, A., and Kobel, assignors.)
- Aktiengesellschaft Brown Boveri & Cie. (See Haller, Arnold, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Jonas, Julius, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Keller, Gottlieb, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Keller, Robert, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Kern, Erwin, assignor.)
- Aktiengesellschaft Brown, Boveri and Cie. (See Klingelfuss, E., and Baumann, assignors.)
- Aktiengesellschaft Brown Boveri & Cie. (See Kobel, Ernst, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Kuntze, K., Haller, and Wirz, assignors.)
- Aktiengesellschaft Brown Boveri & Cie. (See Meyer, Adolf, assignor.)
- Aktiengesellschaft Brown Boveri and Cie. (See Morger, Otto, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Noack, Walter G., assignor.)
- Aktiengesellschaft Brown, Boveri and Cie. (See Prantl, Franz, assignor.)
- Aktiengesellschaft Brown, Boverie & Cie. (See Roebel, Ludwig, assignor.)
- Aktiengesellschaft Brown, Boveri and Cie. (See Schlenker, Paul, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Schnetzler, Eberhard, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Schnitzer, Richard, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Seitz, Oscar, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Sieber, Fritz, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Stoecklin, Josef, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Stoecklin, J., and Roth, assignors.)
- Aktiengesellschaft Brown Boveri & Cie. (See Suter, Philipp, assignor.)
- Aktiengesellschaft Brown, Boveri and Cie. (See Urich, Moritz, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Van Rijswijk, Willem, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Wichert, Alfred, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Widmer, Stefan, assignor.)
- Aktiengesellschaft Chocolat Tobler. (See Schuler, Albert, assignor.)
- Aktiengesellschaft Cilander. (See Müller, Herman, assignor.)
- Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Boltshauser, Heinrich, assignor.)
- Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Flatt, Fritz, assignor.)
- Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Lüthi, Albert, assignor.)
- Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Rüegger, Eduard, assignor.)
- Aktiengesellschaft für mechanische Knüpftteppische System Boyer. (See Blum, Albert, assignor.)
- Aktiengesellschaft "Kolmag". (See Kolm, Ludwig, assignor.)
- Aktiengesellschaft Mix and Genest. (See Lohaus, Otto, assignor.)
- Aktieselskabet Dansk Gaerings Industri. (See Simmer, Fritz, assignor.)
- Aktieselskabet De Forenede Bryggerier. (See Lassen, Frederik, assignor.)
- Aladdin Manufacturing Company. (See Sacksteder, Overton, jr., assignor.)
- Aland, Richard C. (See Baker, W. E., and Aland.)
- Alaska Packers Association. (See Clark, Frederick, assignor.)
- Alba Corporation, The. (See Mayer, Waldemar F., assignor.)
- Albach, Frank. (See Medart, P. S., and Albach.)
- Albach, Frank, assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Straddle stand or support. 1,757,825; May 6.
- Albany, John, Boston, Mass. Flower holder. 1,769,198; July 1.
- Alben, Frank L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Journal bearing. 1,743,093; Jan. 14.
- Albers, Harry J., Cleveland, Ohio. Vehicle. 1,760,620; May 27.
- Albersheim, Walter J., and H. S. Konheim, New York, N. Y. Shock absorber. 1,782,113; Nov. 18.
- Albert, Chester B., assignor to Mueller Co., Decatur, Ill. Faucet. Des. 82,360; Oct. 28.
- Albert, Emile, assignor to Compagnie de Machines Automatiques Savigma, Paris, France. Clincher plate for nailing machines. 1,743,513; Jan. 14.
- Albert, Ruth F., New York, N. Y. Undergarment. Des. 81,220; May 27.
- Albert, Ruth F., New York, N. Y. Garment. 1,785,066; Dec. 16.
- Albertine, Herman, East Rutherford, N. J., assignor, by mesne assignments, to Rogers Products Co. Inc. High-power grease gun. 1,750,150; Mar. 11.
- Albertine, Herman, East Rutherford, N. J., assignor, by mesne assignments, to Rogers Products Co. Inc. Grease gun. 1,750,151; Mar. 11.
- Albertine, Herman, East Rutherford, N. J., assignor to Rogers Products Co., Inc. Booster-lubricating apparatus. 1,769,982; July 8.
- Albertine, Herman, East Rutherford, N. J. Portable grease gun. 1,776,095; Sept. 16.
- Albertoli, John E., San Francisco, Calif., assignor to Sprague Sells Corporation, Hoopeston, Ill. Exhaust box. 1,772,532; Aug. 12.
- Albertson & Company. (See Albertson, F. O., and Olsen, assignors.)
- Albertson, Frans O., and G. Olsen, assignors to Albertson & Company, Sioux City, Iowa. Polishing device. 1,757,228; May 6.
- Albertus, Carl R., San Leandro, assignor to The Magnavox Company, Oakland, Calif. Loud-speaker. 1,754,928; Apr. 15.
- Alberty, Wilbur J., Bridgeport, Conn. Mechanism for applying brakes. 1,774,583; Sept. 2.

- Albrecht, Albert W., University City, Mo. Cast-metal car body. 1,749,756; Mar. 11.
- Albrecht, Albert W., University City, Mo. Cast-metal car body. 1,762,375; June 10.
- Albrecht, Dieter. (See Schleicher, M. Albrecht, Gaarz, and Keinath.)
- Albrecht, Eduard. (See Herz, R., and Albrecht.)
- Albrecht, Eduard, et al. (See Herz, R., Runne, and Albrecht.)
- Albrecht, Ernst G., Berlin, Germany. Truing wedge for matrix-setting and line-casting machines. 1,767,110; June 24.
- Albrecht, George E. (See Banfield, F. E., jr., and Albrecht.)
- Albrecht, Herman S., St. Louis, Mo. Measuring device. 1,749,056; Mar. 4.
- Albrecht, John, Kewaunee, Wis. Box-making machine. 1,746,021; Feb. 4.
- Albright, Edward C., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp socket and contact. 1,759,929; May 27.
- Albright, Edward C., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp construction. 1,771,393; July 29.
- Albright, Frank, Bronx, and W. Elsasser, Brooklyn, assignors to Stanley & Patterson, Inc., New York, N. Y. Electric signal bell. 1,749,175; Mar. 4.
- Albright, Frank, Bronx, and W. Elsasser, Brooklyn, assignors to Stanley & Patterson, Inc., New York, N. Y. Electric signal bell. 1,749,176; Mar. 4.
- Alchemic Gold Company. (See Weisberg, L., and Stevens, assignors.)
- Alcock, John F. (See Ricardo, H. R., and Alcock.)
- Alcor Manufacturing Company. (See Nielsen, Karl K., assignor.)
- Alcorn Combustion Company. (See Nash, A. E., and Alcorn, assignors.)
- Alcorn, James S. (See Nash, A. E., and Alcorn, assignors.)
- Alcorn, William B., Detroit, Mich. Making bricks. 1,757,229; May 6.
- Alcott, James R. (See Johnston, C. S., and Alcott.)
- Aldag, Rudolf. (See Borchers, Heinrich, assignor.)
- Aldeen, Gedor W., Rockford, Ill. Mortising machine. 1,777,286; Oct. 7.
- Aldeen, Gedor W., Rockford, Ill. Pulley. 1,783,993; Dec. 9.
- Aldeen, Gedor W., assignor to Fyrac Manufacturing Co., Rockford, Ill. Spotlight. 1,756,530; Apr. 29.
- Aldeen, Gedor W., and E. W. North, assignors to Fyrac Manufacturing Co., Rockford, Ill. Post light. 1,756,531; Apr. 29.
- Alden, Carroll R., assignor to Ex-Cell-O Aircraft and Tool Corporation, Detroit, Mich. Fuel pump. 1,756,145; Apr. 29.
- Alden, Carroll R., assignor to Ex-Cell-O Aircraft and Tool Corporation, Detroit, Mich. Speed-responsive device. 1,756,671; Apr. 29.
- Alden, Gardner R., assignor to Dennison Manufacturing Company, Framingham, Mass. Making colored crepe paper with insoluble dyes and resulting product. 1,756,778; Apr. 29.
- Alden, George R. (See Skentelbery, C., and Alden.)
- Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Center-bearing construction for railway cars. 1,751,065; Mar. 18.
- Alden, Herbert W., and N. R. Brownier, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Car truck. 1,748,747; Feb. 25.
- Alden Manufacturing Company, The. (See Alden, Milton, assignor.)
- Alden, Milton, Springfield, assignor to The Alden Manufacturing Company, Brockton, Mass. Electromagnetic pick-up. 1,756,966; May 6.
- Alden, Milton, Springfield, assignor to The Alden Manufacturing Company, Brockton, Mass. Vacuum-tube socket and contact terminals therefor. 1,764,489; June 17.
- Alden, Milton, Springfield, Mass., assignor, by mesne assignments, to R. S. Allyn, New York, N. Y. Support for vacuum tubes. 1,785,239; Dec. 16.
- Alden, Vern E., Baltimore, Md., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheat-regulating device. 1,771,699; July 29.
- Aldendorff, Charlott. (See Aldendorff, Fritz.)
- Aldendorff, Fritz, deceased, Berlin, Germany; C. Aldendorff, widow and sole heir, assignor to Western Electric Company, Incorporated, New York, N. Y. Electro-mechanical switching system. 1,768,281; June 24.
- Alder, Harvin F., La Grange, Ky. Electric signal. 1,784,326; Dec. 9.
- Alderfer, Abram L., Jersey City, N. J., and S. Stora, assignors to D. and B. Goobich and E. De Vos, copartners, comprising the partnership of Goobich & De Vos, Brooklyn, N. Y. Knitting machine. 1,748,322; Feb. 25.
- Alderfer, Sterling W., Akron, Ohio, assignor to National Standard Company, Niles, Mich. Reinforcement for tire beads. 1,749,899; Mar. 11.
- Alderman, Carl D., Muscatine, Iowa. Speed boat. 1,743,907; Jan. 14.
- Alderman, Eugene R., South Hadley, Mass. Swift. 1,749,460; Mar. 4.
- Alderman, Zenas W., jr., Washington, D. C. Brush receptacle. 1,743,646; Jan. 14.
- Alderson, Herbert J., Toronto, Ontario, assignor of forty-five per cent to J. Legge, Lampton Park, Ontario, Canada. Reciprocating engine. 1,781,831; Nov. 18.
- Aldinger, Otto, Stuttgart, Germany. Carpet dust cleaner. 1,765,784; June 24.
- Aldrich, Alonzo, Beloit, Wis. Fourdrinier paper machine. 1,742,337; Jan. 7.
- Aldrich, Alonzo, Beloit, Wis. Fourdrinier paper machine. 1,761,183; June 3.
- Aldrich, Alonzo, Beloit, Wis. Shaking mechanism for Fourdrinier machines. 1,761,185; June 3.
- Aldrich, Alonzo, Beloit, Wis. Steam fitting. 1,779,576; Oct. 28.
- Aldrich, Alonzo, Beloit, Wis. Stuff pump. 1,785,687; Dec. 16.
- Aldrich, Alonzo, Beloit, Wis. Guideway for reciprocating engines, pumps, or the like. 1,785,688; Dec. 16.
- Aldrich, Alonzo, assignor to Beloit Iron Works, Beloit, Wis. Balanced steam joint. 1,774,624; Sept. 2.
- Aldrich, Alonzo, Chicago, Ill. Fourdrinier paper machine. 1,761,184; June 3.
- Aldrich, Carlton J., et al. (See Forget, Arthur, assignor.)
- Aldrich, Clarence B., Chicago, Ill. Mortar-board cap. 1,775,185; Sept. 9.
- Aldrich, Elbert C., Granby, Mass. Door knocker. Des. 81,269; June 3.
- Aldrich, Forrest M., and C. L. Hansen, Seattle, Wash. Dough brake. 1,760,185; May 27.
- Aldrich, Herbert H., and J. L. Rupp, Wilkinsburg, Pa., assignor, by mesne assignments, to Wubco Battery Corporation, Niagara Falls, N. Y. Sealing storage batteries. 1,784,216; Dec. 9.
- Aldrich, John P. (See Morris, H. A., and Aldrich.)
- Aldrich, Lester K., Sidney, Ohio. Rotary feeder. 1,747,809; Feb. 18.
- Aldrich, Loyd I., assignor to Preferred Oil Burners, Inc., Peoria, Ill. Automatically-controlled oil burner. 1,752,053; Mar. 25.
- Aldrich Pump Company, The. (See Moyer, F. W., and Reninger, assignors.)
- Aldridge, Blair G. (See Gard, E. W., Aldridge, Multer, and Howes.)
- Aldritt, Joseph L., Oakland, Calif. Coding and decoding type bar. 1,776,246; Sept. 23.
- Alemite Corporation. (See Bradbury, Clifford C., assignor.)
- Alemite Corporation. (See Buchet, Conrad R., assignor.)
- Alemite Corporation. (See Carr, Moses F., assignor.)
- Alemite Corporation. (See Davis, Ernest W., assignor.)
- Alemite Corporation. (See Dosch, Peter, assignor.)
- Alemite Corporation. (See Garbarino, Americo F., assignor.)
- Alemite Corporation. (See Jones, Walter I., assignor.)
- Alemite Corporation. (See Moore, George L., assignor.)
- Alemite Corporation. (See Murphy, Howard J., assignor.)
- Alemite Corporation. (See Otis, Joseph E., jr., assignor.)
- Alemite Corporation. (See Pierce, E. F., and Sweet, assignors.)
- Alemite Corporation. (See Piquerez, Emile, assignor.)
- Alemite Corporation. (See Sweet, Donald H., assignor.)
- Alemite Corporation. (See Thomas, G. F., and Herb, assignors.)
- Alemite Corporation. (See Wedeberg, Reuben, assignor.)
- Alemite Corporation. (See Zerk, Oscar U., assignor.)
- Alemite Die Casting & Mfg. Co. (See Gullborg, John S., assignor.)
- Alert Products, Inc. (See Norton, Arthur G., assignor.)
- Alessi, Frank, assignor to V. Nava, Brooklyn, N. Y. Combined airplane and thermometer. Des. 80,873; Apr. 8.
- Alex, Max, Bloomington, Ill., assignor to The Summit Corporation, Davenport, Iowa. Heater. 1,764,139; June 17.
- Alexander, B. F. (See Cundiff, Kenneth K., assignor.)
- Alexander, Charles D., Omaha, Nebr. Wall-papering implement. 1,754,219; Apr. 15.
- Alexander, Charles R., Ennis, Tex. Stalk cutter. 1,784,410; Dec. 9.
- Alexander, Clarence W., and W. E., Omaha, Nebr. Automobile hood lock. 1,774,625; Sept. 2.
- Alexander, Clive M., New Orleans, La. Bubble cap for gas and liquid contact apparatus. 1,777,869; Oct. 7.
- Alexander, Daniel N. (See Allen, P. S., and Alexander.)
- Alexander, Earl S., Newark, N. J. Device for increasing circulation of liquids in receptacles. 1,779,413; Oct. 28.
- Alexander, Egbert. (See Dutton, C. S., Alexander, and Derrick.)
- Alexander, Emanuel, New York, N. Y. Convertible body for motor vehicles. 1,746,573; Feb. 11.
- Alexander, George R., Oakland, Calif. Water-supply system. 1,769,094; July 1.
- Alexander, Harry H., Westfield, N. J. Metallurgy of metals. 1,756,967; May 6.
- Alexander, Harry H., Westfield, N. J. Refining of copper. 1,776,826; Sept. 30.
- Alexander Industries, Inc. (See Conkie, Waldo J., assignor.)
- Alexander Industries, Inc. (See Mooney, A. W., and Height, assignors.)
- Alexander, J. Monroe, Spanish Fork, Utah. Vegetable cutter. 1,771,456; July 29.
- Alexander, Jesse M. (See Baimbridge, A. C., Burns, and Alexander.)

- Alexander, Johann, Berlin-Zehlendorf, Germany, assignor to General Electric Company. Electric motor. 1,761,767; June 3.
- Alexander, Lewis, Clinton, Ill. Toy or amusement vehicle. 1,759,180; May 20.
- Alexander, Lewis, Clinton, Ill. Railroad crossing. 1,772,022; Aug. 5.
- Alexander, Louis A., Toledo, Ohio. Laminated timer insulation. 1,754,493; Apr. 15.
- Alexander, Peter P. (See Langmuir, I., and Alexander.)
- Alexander, Peter P. (See Thomson, E., and Alexander.)
- Alexander, Peter P., Marblehead, Mass., assignor to General Electric Company. Method and apparatus for electric arc welding. 1,746,207; Feb. 4.
- Alexander, Peter P., Marblehead, Mass., assignor to General Electric Company. Electric arc cutting. 1,746,208; Feb. 4.
- Alexander, Peter P., Marblehead, Mass., assignor to General Electric Company. Method and apparatus for electric arc welding. 1,746,209; Feb. 4.
- Alexander, Peter P., Marblehead, Mass., assignor to General Electric Company. Electric welding. 1,746,210; Feb. 4.
- Alexander, Roy W., Newark, N. J. Straining attachment for pans and kettles. 1,781,995; Nov. 18.
- Alexander, Samuel, New York, N. Y. Scraper. 1,768,537; July 1.
- Alexander, Vincent S., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,785,725; Dec. 23.
- Alexander, Walter, White Plains, N. Y. Adhesive compound and making same. 1,786,417; Dec. 30.
- Alexander, William E. (See Alexander, Clarence W. and W. E.)
- Alexander, Zeno, Kansas City, Mo. Transmission. 1,753,104; Apr. 1.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Speed-indicating system. 1,747,041; Feb. 11.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Transmission of pictures. 1,752,876; Apr. 1.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Radiotelegraphy. 1,768,433; June 24.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to Radio Corporation of America. Method of and apparatus for multiplex signaling. 1,771,700; July 29.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Stabilization of tuned radio frequency amplifiers. 1,775,544; Sept. 9.
- Alexanderson, Ernest F. W., Schenectady, N. Y., assignor to General Electric Company. Radio signaling system. 1,775,801; Sept. 16.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,787,299; Dec. 30.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 1,787,300; Dec. 30.
- Alexanderson, Ernst F. W., Schenectady, and R. D. Kell, Scotia, N. Y., assignors to General Electric Company. Transmission of pictures. 1,783,031; Nov. 25.
- Alexandrescu, Alexander M., Cleveland, Ohio. Gear. 1,746,178; Feb. 4.
- Alexandrescu, Alexander M., Cleveland, Ohio. Gear. 1,748,820; Feb. 25.
- Alexandrescu, Alexander M., Cleveland, Ohio. Adjustable silent gear. 1,755,945; Apr. 22.
- Alexis, George D. (See Walker, J. L., and Alexis.)
- Alfes, John H. (See Wood, J. G., and Alfes.)
- Alford, Hubert G., Saskatoon, Saskatchewan, Canada. Wall construction. 1,778,881; Oct. 21.
- Alford, John L., sr., McDade, Tex. Tongs for poison bait. 1,779,761; Oct. 28.
- Alfred, Frank H. (See Chipman, Paul, assignor.)
- Alfreds, Torris H., Park Ridge, Ill., assignor to W. S. Ferris, now trading as Do/More Chair Company, Elkhart, Ind. Back-rest arrangement for chairs. 1,782,398; Nov. 25.
- Algemeene Kunstzijde unie Naamlooze Venootschap. (See Koch, Theodoor, assignor.)
- Alger, Harley C., assignor to R. R. Donnelley & Sons Company, Chicago, Ill. Machine for pressing books. 1,760,030; May 27.
- Alger, Harley C., assignor to R. R. Donnelley & Sons Company, Chicago, Ill. Ink fountain for printing presses. 1,780,694; Nov. 4.
- Alger, Harley C., assignor to R. R. Donnelley & Sons Company, Chicago, Ill. Ink fountain for printing presses. 1,780,695; Nov. 4.
- Alger, Philip L., Schenectady, N. Y., assignor to General Electric Company. Double-speed, synchronous, dynamo-electric machine. 1,770,871; July 15.
- Algoma Net Company. (See Anderegg, Joseph C., assignor.)
- Algrain, Paul, La Croyere, Belgium. Rolling stock of railways, tramways, or road transport. 1,770,827; July 15.
- Alin, Ake L., Spokane, Wash. Concrete form. 1,769,282; July 1.
- Alinder, Henry. (See Shipley, G. B., and Alinder.)
- Alinder, Henry, and G. B. Shipley, assignors to Pittsburgh Wood Preserving Company, Pittsburgh, Pa. Nut-manipulating device. 1,778,055; Oct. 14.
- Alison, Brisbane J., Detroit, Mich. Sharpening device for lawn mowers. 1,751,020; Mar. 18.
- Aljac Art Metal Products Corporation. (See Cricchio, Paul, assignor.)
- Aljac Art Metal Products Corporation. (See Roettges, Frederick W., assignor.)
- Alkan, Robert, and G. Lesourd, Paris, France. Electro-mechanical apparatus for the automatic dropping of any article. 1,765,897; June 24.
- Alkire, Eva. (See Hilton, Alleetah H., assignor.)
- Alkonis, James F., Cambridge, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Tack-supplying apparatus. 1,761,031; June 3.
- Allain, Joseph N., New Orleans, La. Concrete fence. 1,774,784; Sept. 2.
- Allan, Archibald, North Shields, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Insulating bushing for electrical apparatus. 1,751,379; Mar. 18.
- Allan, Archibald, Tynemouth, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric switch gear. 1,782,594; Nov. 25.
- Allan, Hugh L., and J. Moore, Burma, British India, assignors to The Burmah Oil Company Limited, Glasgow, Scotland. Wax sweating and crystallizing apparatus. 1,743,746; Jan. 14.
- Allan, James R., Oak Park, Ill. Material-handling apparatus. 1,786,884; Dec. 30.
- Allan, William G., Toronto, Ontario, Canada, assignor, by mesne assignments, to F. G. Clark. Electrolytic apparatus. 1,771,984; July 29.
- Alland, Maurice, Atlantic City, N. J. Combined razor holder and honing stropping means. 1,743,747; Jan. 14.
- Alland, Maurice, Atlantic City, N. J. Cigarette dispenser and humidifier. 1,744,195; Jan. 21.
- Alland, Maurice, Atlantic City, N. J. Elastic-propelled toy vehicle. 1,750,152; Mar. 11.
- Alland, Maurice, Atlantic City, N. J. Cigarette-making machine. 1,751,121; Mar. 18.
- Alland, Maurice, Atlantic City, N. J. Mucilage dispenser for bottle tops. 1,756,935; May 6.
- Alland, Maurice, Atlantic City, N. J. Elastic-propelled sound-emitting toy vehicle. 1,762,461; June 10.
- Alland, Maurice, Atlantic City, N. J. Umbrella and parasol. 1,768,969; July 1.
- Alland, Maurice, Atlantic City, N. J. Condiment dispenser. 1,773,720; Aug. 26.
- Alland, Maurice, Atlantic City, N. J. Button. 1,776,096; Sept. 16.
- Alland, Maurice, Atlantic City, N. J. Top. 1,780,547; Nov. 4.
- Alland, Maurice, Atlantic City, N. J. Mixing device. 1,781,359; Nov. 11.
- Alland, Maurice, Atlantic City, N. J. Plant-propagating device. 1,783,007; Nov. 25.
- Allanstand Cottage Industries, Incorporated. (See Revis, Margaret C., assignor.)
- Allard, Elmer P., Bradley, Wis. Automatic milk-cooling device. 1,764,140; June 17.
- Allard, J. A., jr., et al. (See Anglemeyer, Herman B., assignor.)
- Allardice, Thomas B. (See Fliflet, T., and Allardice.)
- Allardt, Hans G. (See Schoeller, W., and Allardt.)
- Allbook, Herman, and M. Hashfield, London, England. Fur-overseaming machine. 1,748,627; Feb. 25.
- Allbright-Nell Company, The. (See Johnson, Walter J. O., assignor.)
- Allbright-Nell Company, The. (See Jordan, Robert E., assignor.)
- Allbright-Nell Company. (See Kohlhepp, John W., assignor.)
- Allbright-Nell Company, The. (See Laabs, William, assignor.)
- Allbright-Nell Company, The. (See Ozouf, Arthur E., assignor.)
- Allcock, Harold J. (See Hunter, P. V., and Allcock.)
- Allcock-Laight & Westwood Co., The. (See Jensen, John E., assignor.)
- Allcutt, Elwood B., Plainfield, N. J. Rubber-cushion bedpan. 1,769,482; July 1.
- Aldridge, Reginald S., Harrow, assignor to Raycol Limited, London, England. Lens mount. 1,773,021; Aug. 12.
- Allegheny Steel Company. (See Caugherty, William E., assignor.)
- Allegheny Steel Company. (See Detwiler, William F., assignor.)
- Allegheny Steel Company. (See Lindquist, Otto B., assignor.)
- Allegheny Steel Company. (See Schulte, Louis, assignor.)
- Allegheny Steel Company. (See Statler, Louis L., assignor.)
- Allegheny Steel Company. (See Winder, Frank J., assignor.)
- Alleman, Gellert, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa. Manufacturing color lakes from petroleum. 1,781,772; Nov. 18.
- Allen, Albert, Winchester, assignor to Atlantic Precision Instrument Company, Boston, Mass. Controlling feed of rubber calendars. 1,743,302; Jan. 14.
- Allen, Albert, Winchester, assignor to Atlantic Precision Instrument Company, Boston, Mass. Hygrometer. 1,765,816; June 24.
- Allen, Albert, Winchester, assignor to Atlantic Precision Instrument Company, Boston, Mass. Measuring moisture content of sheet material. 1,781,153; Nov. 11.

- Allen, Albert J., Brooklyn, assignor to The Engineering Products Corporation, Inc., New York, N. Y. Electrical instrument. 1,782,525; Nov. 25.
- Allen, Ambrose L., Mart, Tex. Mowing machine. 1,784,327; Dec. 9.
- Allen, Andrew B., Cincinnati, Ohio. Pipe-bending tool. 1,752,220; Mar. 25.
- Allen, Andrews. (See Holmes, G., and Allen.)
- Allen, Andrews, Glencoe, assignor to Allen & Garcia Company, Chicago, Ill. Rotary car dumper. 1,778,821; Oct. 21.
- Allen, Archie A. (See Kirsch, C. W., and Allen.)
- Allen, Arthur P., Burlingame, Calif. Treating wood. 1,785,571; Dec. 16.
- Allen, Arthur S., New York, N. Y., assignor to Pac-Kups Incorporated, Easton, Pa. Paper cup or similar article. Des. 81,218; May 27.
- Allen, Arthur S., New York, and R. Ruzicka, Dobbs Ferry, assignors to The Packer Manufacturing Co., Inc., New York, N. Y. Bottle structure. 1,781,094; Nov. 11.
- Allen, C. T., et al. (See Kammerdiner, James A., assignor.)
- Allen, Charles A., et al. (See Cummings, Charles D., assignor.)
- Allen, Charles H. (See McKinney, F. B., and Allen.)
- Allen, Charles H., assignor to Yates Lumber Company, Penn Yan, N. Y. Handle for receptacles. 1,747,280; Feb. 18.
- Allen, Clyde, assignor to C. E. Erickson Company, Inc., Des Moines, Iowa. Multicolor-printing press. 1,757,697; May 6.
- Allen, Dorothea, executrix. (See Allen, William H.)
- Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Mechanical movement. 1,743,511; Jan. 14.
- Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cord-guiding mechanism for buttonhole-sewing machines. 1,745,882; Feb. 4.
- Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Safety device for buttonhole-sewing machines. 1,775,925; Sept. 16.
- Allen, Edward B., Newton, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Buttonhole-sewing machine. 1,777,066; Sept. 30.
- Allen, Edward H., Palmyra, N. J. Clamp. 1,764,380; June 17.
- Allen, Edward H., Palmyra, N. J. Sash fastener. 1,776,533; Sept. 23.
- Allen, Edward R., East Orange, and A. Siegel, Hillside, N. J., assignors, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Rosin soap lake of azo compounds. 1,772,300; Aug. 5.
- Allen, Edwin M. (See Allen, William H., sr., and E. M.)
- Allen, Elmer L., Queens Village, N. Y. Portable house. 1,754,590; Apr. 15.
- Allen, Ermon. (See Walter, J., and Allen.)
- Allen, Francis M. (See Overpeck, C. F., and Allen.)
- Allen, Frank B., Lower Merion Township, Montgomery County, Pa. Solids breaking and handling apparatus. 1,772,452; Aug. 12.
- Allen, Frank B., Lower Merion Township, Montgomery County, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Side-wall seal. 1,757,698; May 6.
- Allen, Frank B., Lower Merion Township, Montgomery County, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Furnace construction. 1,758,421; May 13.
- Allen, Frank B., Lower Merion Township, Montgomery County, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Apparatus for handling ashes or other solid materials. 1,775,264; Sept. 9.
- Allen, Frank B., Lower Merion Township, Montgomery County, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Apparatus for handling solid materials. 1,775,265; Sept. 9.
- Allen, Frank B., Lower Merion Township, Montgomery County, Pa., assignor to The Allen-Sherman-Hoff Company. Storing and removing refuse. 1,785,539; Dec. 16.
- Allen, Frank E., Boone, Iowa. Disk cultivator. 1,766,164; June 24.
- Allen, Frank L. (See Kopke, Ernst W., assignor.)
- Allen, Frank M., Summit, N. J., assignor to Congoleum-Nairn, Inc. Work-supporting member for printing machines. 1,759,476; May 20.
- Allen, Frank R., Passaic, N. J. Machine for producing lines and marks. 1,769,980; July 8.
- Allen & Garcia Company. (See Allen, Andrews, assignor.)
- Allen, George B., Atlanta, Ga. Liquid-purifying device. 1,771,519; July 29.
- Allen, George E. (See Lock, F. H., and Whitlow, assignors.)
- Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Candlestick or similar article. Des. 80,472; Feb. 11.
- Allen, Grosvenor N., assignor to Oneida Community Limited, Oneida, N. Y. Dish or similar article. Des. 82,012; Sept. 16.
- Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Pot or similar article. Des. 82,241; Oct. 14.
- Allen, Grosvenor N., and C. A. Bennett, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 81,317; June 10.
- Allen, Grosvenor N., and C. A. Bennett, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 81,367; June 17.
- Allen, Grosvenor N., and C. A. Bennett, assignors to Oneida Community, Limited, Oneida, N. Y. Metal border strip. Des. 82,361; Oct. 28.
- Allen, Grosvenor N., Oneida, and L. V. M. Helander, Niagara Falls, N. Y., assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 81,219; May 27.
- Allen, Grosvenor N., Oneida, and L. V. M. Helander, Niagara Falls, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 81,316; June 10.
- Allen, Grosvenor N., and L. V. M. Helander, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 81,368; June 17.
- Allen, Grosvenor N., Oneida, and L. V. M. Helander, Niagara Falls, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 81,569; July 15.
- Allen, Grosvenor N., and E. H. Kreps, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 81,613; July 22.
- Allen, Grosvenor N., and E. H. Kreps, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 81,614; July 22.
- Allen, Grosvenor N., and E. H. Kreps, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 82,472; Nov. 11.
- Allen, Grosvenor N., and M. G. Parker, assignors to Oneida Community Limited, Oneida, N. Y. Metal border strip. Des. 82,362; Oct. 28.
- Allen, Grosvenor N., M. G. Parker and E. H. Kreps, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 82,719; Dec. 9.
- Allen, Grosvenor N., M. G. Parker, Oneida, and C. M. Price, Grand View, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 82,801; Oct. 21.
- Allen, Guy L., Dallas, Tex. Elevator-door-operating apparatus. 1,782,223; Nov. 18.
- Allen, Harry R. (See White, Howard E., assignor.)
- Allen, Horace E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 1,772,448; Aug. 12.
- Allen, Horace L., San Jose, Calif. Football play indicator. 1,769,483; July 1.
- Allen, Howard G. (See Bliss, H. R., and Allen.)
- Allen, Howard G., assignor to Morrison Stitcher Corporation, Niagara Falls, N. Y. Stapling machine. 1,744,715; Jan. 28.
- Allen, Howard G., assignor to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Stitcher head. 1,760,031; May 27.
- Allen, Howard G., assignor to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Wire-stitching machine. 1,760,863; June 3.
- Allen, Howard G., assignor to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Wire-stitching machine. 1,765,120; June 17.
- Allen, Hugh E. (See Carter, E. F., and Allen.)
- Allen, Hugh E., Schenectady, N. Y., assignor to General Electric Company. High-frequency receiving system. 1,755,091; Apr. 15.
- Allen, Hugh E., Schenectady, N. Y., assignor to General Electric Company. Remote control system. 1,783,820; Dec. 2.
- Allen, Hugh E., Chicago, assignor of one-half to A. G. McCaleb, Evanston, Ill. Condimentation of ground meats. 1,781,154; Nov. 11.
- Allen, Jacob S., Philadelphia, Pa. Pan-greasing machine. 1,766,207; June 24.
- Allen, James B., et al. (See Walker, Jerry S., assignor.)
- Allen, John C., Meridian, Miss. Automobile spring cover. 1,772,380; Aug. 5.
- Allen, John L., New Bedford, Mass. Gasket-cutting machine. 1,783,869; Dec. 2.
- Allen, John M., Toronto, Ontario, Canada, assignor to Scott & Williams, Incorporated, New York, N. Y. Hosiery. 1,754,185; Apr. 8.
- Allen, John W., Fresno, Calif. Cotton chopper. 1,781,829; Nov. 18.
- Allen, John W., Fresno, Calif. Advertising device. 1,785,474; Dec. 16.
- Allen, Joseph H., Alhambra, Calif. Lawn-spray-control device. 1,778,994; Oct. 21.
- Allen, Joseph W., Dayton, Ohio. Electrical thermometer. 1,784,922; Dec. 16.
- Allen, Julius L., Sacramento, Calif. Variable-speed transmission. 1,766,240; June 24.
- Allen, Lavont C. (See Cowley, J. T., and Allen.)
- Allen, Lavont C. (See Jennings, C. S., and Allen.)
- Allen, Lee E., assignor to Pennsylvania Engineering Works, New Castle, Pa. Hot-metal mixer. 1,771,241; July 22.
- Allen, Lee E., assignor to Pennsylvania Engineering Works, New Castle, Pa. Manufacture of dump cars. 1,778,619; Oct. 14.
- Allen Manufacturing Company. (See Wheless, Wesley E., assignor.)
- Allen, Milford L. (See Stewart, S., Allen, and Roy.)
- Allen, Paul E., Niles Center, Ill. Bottle holder. 1,778,545; Oct. 14.

- Allen, Pauline E., et al. (See Allen, William H., sr., assignor, and Allen.)
- Allen, Philip S., and D. N. Alexander, Avalon, Calif. Fluid-dispensing apparatus. 1,758,552; May 13.
- Allen, Robert, et al. (See Bouillon, Emile, assignor.)
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Blade lashing. 1,747,690; Feb. 18.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric power plant. 1,748,097; Feb. 25.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine blading. 1,751,570; Mar. 25.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coupling. 1,759,338; May 20.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making die blocks for forging turbine blades. 1,770,964; July 22.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine blade and producing same. 1,771,023; July 22.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Apparatus for making turbine blades. 1,771,368; July 22.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid-pressure relay mechanism. 1,777,458; Oct. 7.
- Allen, Robert M., New York, N. Y., and F. E. Timmer, Westfield, Mass., assignors to Vitamin Food Co., Inc., New York, N. Y. Manufacture of yeast producing high yields. 1,775,800; Sept. 16.
- Allen, Roy O., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Implement retainer for pneumatic tools. 1,759,562; May 20.
- Allen, Samuel, Jonesboro, Ill. Nozzle structure. 1,759,928; May 27.
- Allen, Samuel E., Pittsburgh, Pa. Tag-making machine. 1,782,086; Nov. 18.
- Allen, Samuel G., trustee. (See Davis, Frank W., assignor.)
- Allen, Samuel J. M., Cincinnati, Ohio. Alternating-current-rectifying element. 1,746,511; Feb. 11.
- Allen, Scott E., and O. N. Wiswell, assignors, by mesne assignments, to C-O-Two Fire Equipment Company, Los Angeles, Calif. Diaphragm head for puncturing closure disks. 1,762,806; June 10.
- Allen, Scott E., and O. N. Wiswell, assignors, by mesne assignments, to C-O-Two Fire Equipment Company, Los Angeles, Calif. Head for puncturing closure disks. 1,782,020; Nov. 18.
- Allen, Scott E., and O. N. Wiswell, assignors, by mesne assignments, to C-O-Two Fire Equipment Company, Los Angeles, Calif. Gas-operated screw-type head for puncturing closures. 1,782,021; Nov. 18.
- Allen, Scott E., and O. N. Wiswell, assignors, by mesne assignments, to C-O-Two Fire Equipment Company, Los Angeles, Calif. Gas-pressure means for releasing connections. 1,782,022; Nov. 18.
- Allen-Sherman-Hoff Company, The. (See Allen, Frank B., assignor.)
- Allen-Sherman-Hoff Company, The. (See Dunbar, Frank H., assignor.)
- Allen-Sherman-Hoff Company, The. (See Fairchild, Frederick P., assignor.)
- Allen-Sherman-Hoff Company, The. (See Striegel, Leslie E., assignor.)
- Allen, Velma. (See Stoddard, E. S., and Allen.)
- Allen, Vera, Seattle, Wash. Domestic baking oven. 1,762,540; June 10.
- Allen, Viola C., et al. (See Allen, William H., sr., assignor, and Allen.)
- Allen, W. D., Manufacturing Company. (See Meng, Harry E., assignor.)
- Allen, W. D., Manufacturing Company. (See Ryerson, Thorval L., assignor.)
- Allen, W. D., Manufacturing Company. (See Steininger, William, assignor.)
- Allen, Walter E., Jr., assignor to Automatic Door and Equipment Co., Chicago, Ill. Hinge. Des. 82,242; Oct. 14.
- Allen, Walter P., Jersey City, N. J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,754,734; Apr. 15.
- Allen, Walter S., Flushing, assignor to General Chemical Company, New York, N. Y. Treating gases. 1,743,700; Jan. 14.
- Allen, Walter S., Flushing, assignor to General Chemical Company, New York, N. Y. Manufacture of sulphuric acid of a purity known commercially as chemical purity. 1,771,520; July 29.
- Allen, Walter S., Flushing, assignor to General Chemical Company, New York, N. Y. Manufacturing chemically-pure sulphuric acid. 1,777,025; Sept. 30.
- Allen, Weldon H., South Montrose, Pa. Garment hanger. 1,766,275; June 24.
- Allen, Willard S., Acton, Mass. Knockdown chair. 1,776,534; Sept. 23.
- Allen, William C., Compton, assignor, by mesne assignments, to The Sharpe Manufacturing Co., Los Angeles, Calif. Air compressor. 1,758,211; May 13.
- Allen, William H., assignor to Leather Makers Process Company, Detroit, Mich. Treating skins or hides previous to tanning. 1,743,647; Jan. 14.
- Allen, William H., assignor, by mesne assignments, to Parker Rust Proof Company, Detroit, Mich. Chemical apparatus. 1,750,617; Mar. 18.
- Allen, William H., deceased, Detroit, Mich.; D. Allen, executrix, assignor to G. E. Maurer, Philadelphia, Pa. Treating leather. 1,774,626; Sept. 2.
- Allen, William H., sr., and E. M.; W. H. Allen, sr., assignor to P. E. Allen and V. C. Allen, Freehold, N. J. Potato harvester. 1,749,205; Mar. 4.
- Allen, William H., and M. E. Standifer, Goose Creek, Tex. Tubing drain. 1,756,499; Apr. 29.
- Allen, William R. (See Colquhoun, P. M., and Allen.)
- Allensworth, Fred L., Akron, Ohio, assignor to The Miller Rubber Company. Bead-setting ring. 1,756,327; Apr. 29.
- Allentown Knit Fabrics Company. (See Schreiber, Moses, assignor.)
- Allerton, Robert W., South Orange, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Pump. 1,752,546; Apr. 1.
- Alley, Charles M., San Francisco, Calif. Tie wire and spreader. 1,746,298; Feb. 11.
- Alley, Stephen E. (See Bomford, D. R., and Alley.)
- Alley, Stephen E., Westminster, London, and A. C. Hutt, Shrewsbury, assignors to The "Sentinel" Waggon Works Limited, London, England. Steam-driven vehicle. 1,743,514; Jan. 14.
- Alley, Stephen E., London, England. Single-acting steam engine. 1,770,381; July 15.
- Allgaier, Carl F., Joliet, Ill. Burning-in tool. 1,782,952; Nov. 25.
- Allgemeine Elektrizitäts-Gesellschaft. (See Kleinow, Walter, assignor.)
- Allgemeine Gesellschaft für Chemische Industrie m. b. H. (See Cattaneo, Giuseppe, assignor.)
- Allgemeine Gesellschaft für chemische Industrie m. b. H. (See Cattaneo, G., and Jodeck, assignors.)
- Allgeyer, Marion G., New Orleans, La. Adjustable seat for automobiles. 1,770,826; July 15.
- Allgrunn, Carl G. (See Knapp, E., and Allgrunn.)
- Alliance Machine Company, The. (See Keller, W. D., and Poto, assignors.)
- Alliance Manufacturing Company. (See Clark, Harold W., assignor.)
- Alliance Toy & Specialty Company, The. (See Purcell, Robert A., assignor.)
- Allibone, Thomas and W., Tacoma, Wash. Lamp table. 1,765,643; June 24.
- Allibone, William. (See Allibone, Thomas and W.)
- Allied Die-Casting Corporation. (See Cook, George W., assignor.)
- Allied Die-Casting Corporation. (See Dollin, E. N., assignor, and Jacobson.)
- Allied Products Corporation. (See Richard, Clement C., assignor.)
- Alligator Company, The. (See Hessler, Arthur, assignor.)
- Allin, Richard F., New York, N. Y., assignor to Eugene Dietzgen Company, Chicago, Ill. Portable tube developer. 1,743,012; Jan. 7.
- Allin, Richard F., New York, N. Y., assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,745,655; Feb. 4.
- Allin, Richard F., New York, N. Y., assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,757,950; May 13.
- Aling, George E., & Sons. (See Grilley, Ernest M., assignor.)
- Aling, Guy E., assignor to Athol Manufacturing Company, Athol, Mass. Coated fabric. Des. 80,352; Jan. 21.
- Aling, Guy E., assignor to Athol Manufacturing Company, Athol, Mass. Artificial leather or like coated fabric. Des. 81,615; July 22.
- Allington, William E., Chicago, Ill. System for feeding wood waste to furnaces. 1,746,456; Feb. 11.
- Allis, Louis, Company, The. (See Barr, John M., assignor.)
- Allis, Louis, Company, The. (See Barr, J. M., and Smith, assignors.)
- Allis-Chalmers Manufacturing Company. (See Binder, H. P., and Suter, assignors.)
- Allis-Chalmers Manufacturing Company. (See Brown, George N., assignor.)
- Allis-Chalmers Manufacturing Company. (See Dahlstrand, Hans P., assignor.)
- Allis-Chalmers Manufacturing Company. (See Davis, Rae W., assignor.)
- Allis-Chalmers Manufacturing Company. (See Fowden, William, assignor.)
- Allis-Chalmers Manufacturing Company. (See Gross, Emil, assignor.)
- Allis-Chalmers Manufacturing Company. (See Hofmann, Reinhard, assignor.)
- Allis-Chalmers Manufacturing Company. (See Jeffrey, Fraser, assignor.)
- Allis-Chalmers Manufacturing Company. (See Kane, John J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Marsh, Albert M., assignor.)
- Allis-Chalmers Manufacturing Company. (See Nagler, Forrest, assignor.)
- Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Nichols, Louis C., assignor.)

- Allis-Chalmers Manufacturing Company. (See Paatsch, Frank H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Pfau, Arnold, assignor.)
- Allis-Chalmers Manufacturing Company. (See Reynolds, Irving H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Ringland, George L., assignor.)
- Allis-Chalmers Manufacturing Company. (See Shaw, Ernest C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Taylor, C. B., and Schindler, assignors.)
- Allison, Albert J., Dayton, Ohio, assignor, by mesne assignments, to Simonds Worden White Company. Beater roll. 1,778,710; Oct. 21.
- Allison, George W., London, England. Press for embossing. 1,774,629; Sept. 2.
- Allison, Harry S., assignor to W. D. Allison, Indianapolis, Ind. Examining table. 1,749,867; Mar. 11.
- Allison, Harry S., assignor to W. D. Allison, Indianapolis, Ind. Examining and irrigating table. 1,762,944; June 10.
- Allison, Isaiah. (See Hasse, F. C., and Allison.)
- Allison, Isaiah, Forest Park, Ill., assignor to The Oxweld Railroad Service Company. Blowpipe apparatus. 1,774,865; Sept. 2.
- Allison, John, Swissvale, assignor to Pittsburgh Steel Foundry Corporation, Glassport, Pa. Charging box. 1,771,761; July 29.
- Allison, William A., Spokane, Wash. Hand truck. 1,769,981; July 8.
- Allison, William D. (See Allison, Harry S., assignor.)
- Allison, William L. (See Shirmer, William, assignor.)
- Alix, John P., Fulford, England. Paddling or swimming pool. 1,779,577; Oct. 28.
- Allman, George, and S. B. Hemming, Parkerville, Western Australia, Australia. Automatic animal drinking fountain. 1,771,947; July 29.
- Allman, Peter, Manchester, England. Printing surface. 1,750,562; Mar. 11.
- Allmänna Svenska Elektriska Aktiebolaget. (See Petersén, Wilhelm H., assignor.)
- Allmänna Svenska Elektriska Aktiebolaget. (See Rönnerberg, D., and Rooth, assignors.)
- Allmänna Svenska Elektriska Aktiebolaget. (See Wegener, Christian R., assignor.)
- Allmänna Svenska Elektriska Aktiebolaget. (See Ytterberg, A., and Herlitz, assignors.)
- Allmon, Joseph G., Melrose, Mass. Antiskid chain. 1,763,998; June 17.
- Allner, Frederick A. (See Talbutt, R. H., and Allner.)
- Alloy Welding Processes Limited. (See Clarke, Edward J., assignor.)
- Allred, Byron H., Boise, Idaho. Pump. 1,762,708; June 10.
- Allred, Thomas W. (See Ivory, M., and Allred.)
- Allred, William P., jr., Kansas City, Mo. Storage and parking garage. 1,782,671; Nov. 25.
- All-Ways-Hot Mfg. Co. (See Goshorn, Robert R., assignor.)
- Allwill, Stephen S., assignor to R. L. Gray, Washington, D. C. Variable-compression internal-combustion engine. 1,754,410; Apr. 15.
- Allwine, Eugene E., Washington, D. C., assignor to I. Fischman & Sons, Philadelphia, Pa. Automatic cooking apparatus. 1,771,762; July 29.
- Allyn, Arthur J., Detroit, Mich. Pipe shim or clamp. 1,776,343; Sept. 23.
- Allyn, Leon L., Kalamazoo, Mich., and W. A. Pool, Ridgefield Park, N. J., assignors to Master-Craft Corporation, Kalamazoo, Mich. Temporary binder. 1,772,475; Aug. 12.
- Allyn, Robert S. (See Alden, Milton, assignor.)
- Allyn, Robert S. (See Simmons, John W., assignor.)
- Allyn, Robert S. (See Washington, Bowden, assignor.)
- Allyn, Robert S., as trustee. (See Allyn, Robert S., assignor.)
- Allyn, Robert S., Brooklyn, N. Y., assignor to R. S. Allyn, as trustee for the benefit of D. G. Clark, Coosada Station, Ala., L. C. Clark, Lakeville, Conn., E. H. Fickinger, Great Neck, and R. S. Allyn, New York, N. Y. Machine for slitting sheets to be stretched. 1,781,533; Nov. 11.
- Allyne, Edmund E. (See Schickler, Albert C., assignor.)
- Allyne, Edmund E., Cleveland Heights, Ohio. Absorption refrigerating apparatus. 1,762,147; June 10.
- Allyne, Edmund E., as trustee. (See Larsen, Harry E., assignor.)
- Alm, Thure W., Stewart Manor, N. Y., assignor to International Cigar Machinery Company. Flexible knurler for cigar machines. 1,765,817; June 24.
- Alma Manufacturing Company, of Baltimore City. (See Frank, Leon, assignor.)
- Alma Manufacturing Company of Baltimore City. (See Kerngood, Allen H., assignor.)
- Almen, John O., Royal Oak, assignor to General Motor Research Corporation, Detroit, Mich. Hydraulic valve mechanism. 1,746,227; Feb. 4.
- Almen, John O., Royal Oak, and O. Rasmussen, assignors to General Motors Research Corporation, Detroit, Mich. Steering arm. 1,761,957; June 3.
- Almetal Universal Joint Company, The. (See Peters, Frederick W., assignor.)
- Almind, Hans, New York, N. Y. Mortise-cutting device. 1,754,925; Apr. 15.
- Almquist, Leopold, Jersey City, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,784,477; Dec. 9.
- Almstedt, Harry J. (See Cox, G. S., and Almstedt.)
- Aloi, Millio F., Huntington Park, assignor to J. Grant, Los Angeles, Calif. Fishing tool. 1,754,344; Apr. 15.
- Aloisi, Anna, Brooklyn, N. Y. Butterfly lamp. Des. 80,473; Feb. 11.
- Alox Chemical Corporation. (See Burwell, Arthur W., assignor.)
- Alpern, Maxwell, assignor to American Engineering Company, Philadelphia, Pa. Automatic fluid-control system. 1,745,238; Jan. 28.
- Alpern, Maxwell, assignor to American Engineering Company, Philadelphia, Pa. Preventing siftings from the ram casing of a stoker. 1,773,023; Aug. 12.
- Alsaker, Alfred. (See Van Ryan, T., and Alsaker.)
- Alsaker, Alfred, assignor to The Delta-Star Electric Company, Chicago, Ill. Rotary insulator. 1,759,149; May 20.
- Alsaker, Alfred, and E. Nordhem, assignors to The Delta Star Electric Company, Chicago, Ill. Locking-type switch-operating handle. 1,774,540. Sept. 2.
- Alsberg, Julius, New York, N. Y., assignor to B. Heller & Company, Chicago, Ill. Smoke flavor and aroma imparting binder for food products, etc. 1,777,026; Sept. 30.
- Alseth, Stengrim, et al. (See Whitney, Earl R., assignor.)
- Alseth, Stengrim, and V. L. Neal, Lewiston, Idaho; said Alseth assignor of one-fourth to C. C. Miles, Clarkston, Wash., and one-eighth to R. Strom, Oakland, Calif. Combined antenna selector and safety switch. 1,755,643; Apr. 15.
- Alsop, Samuel, et al. (See Beidler, Ford E., assignor.)
- Alstadt, Henry L., Rector, Ark. Bank-protecting device. 1,768,092; June 24.
- Alston, Henry C., Los Angeles, Calif. Golf game. 1,745,201; Jan. 28.
- Alstrand, Felix K., Brooklyn, N. Y. Garment fastener. 1,748,098; Feb. 25.
- Alstrup, Carl, and V. Jensen, Copenhagen, Denmark. Color screen. 1,757,852; May 6.
- Alten, Joseph M., Elyria, Ohio. Hose nozzle. 1,745,138; Jan. 28.
- Altenbach, Otto, Ohligs-Solingen, Germany. Knife-handle. 1,755,946; Apr. 22.
- Altenbach, Otto, Los Angeles, Calif. Rumble-seat top. 1,760,334; May 27.
- Alteneder, Theo., & Sons. (See Meyer, Francis E., assignor.)
- Altenkirch, Edmund, Alt-Landsberg-Sud, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt. Absorption machine. 1,767,630; June 24.
- Altenkirch, Edmund, Alt-Landsberg-Sud, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Liquid seal between spaces in which different pressures prevail. 1,772,476; Aug. 12.
- Alter, John H., Conneaut, Ohio. Valve gear. 1,745,971; Feb. 4.
- Alter, Joseph. (See Bell, David M., assignor.)
- Alterthum, Hans, Berlin, Germany, assignor to General Electric Company. Macrocrystal ingot and making it. 1,752,877; Apr. 1.
- Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Differential mechanism. 1,749,964; Mar. 11.
- Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Gear-transmission lubrication. 1,762,210; June 10.
- Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Motor cultivator attachment. 1,776,242; Sept. 23.
- Altgelt, Herman E., South Bend, Ind., assignor to Oliver Farm Equipment Company. Traction-wheel lug. 1,776,407; Sept. 23.
- Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Agricultural implement. 1,777,511; Oct. 7.
- Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Tandem harrow. 1,777,512; Oct. 7.
- Althausen, Robert, Ranger, Tex., assignor to The Eureka Tool Company, Augusta, Kans. Casing ripper. 1,786,590; Dec. 30.
- Alzheimer, Ben, assignor to M. Alzheimer, University City, Mo. Radiator shield. 1,787,184; Dec. 30.
- Alzheimer, Myrtle. (See Alzheimer, Ben, assignor.)
- Althoff, August W., Tulsa, Okla. Parking mechanism for motor vehicles. 1,778,656; Oct. 14.
- Altice, George F., and W. L. Young, South Bend, Ind., assignors, by mesne assignments, to Bendix Service Corporation, Chicago, Ill. Adjusting tool. 1,753,545; Apr. 8.
- Altman, Alexander, Bayonne, N. J. Fur stretching and nailing machine. 1,745,594; Feb. 4.
- Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Light system for photographic-printing machines. 1,763,208; June 10.
- Altman, Jacob A., Los Angeles, Calif. Combined automobile hood and radiator. Des. 82,125; Sept. 30.
- Altman, Vladislav, Racine, Wis. Stop signal. 1,751,969; Mar. 25.

- Altmar Steel Products Company. (See De Garay, Francis, assignor.)
- Altmar Steel Products Company. (See Paltrowitz, Harry, assignor.)
- Altmayer-Delaruelle. (See Altmayer, Jean.)
- Altmayer, Jean. Surnamed Altmayer-Delaruelle, St-Germain-En-Laye, France. System of remote control for electric motors. 1,766,808; June 24.
- Altner, Waldemar, Pachuca, Mexico. Electric universal indicator. 1,765,898; June 24.
- Altnow, Henry J., Portland, Oreg. Table. 1,771,831; July 29.
- Alton Barium Products Company. (See Bonnington, Alexander, assignor.)
- Alton, William H., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Treatment of clay. 1,771,477; July 29.
- Alton, William H., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Treating clay. 1,771,478; July 29.
- Alton, William H., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Treatment of clay. 1,771,479; July 29.
- Altorfer, Alpheus W., Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill. Casing for a combined washing machine and centrifugal drier. Des. 81,570; July 15.
- Altorfer, Alpheus W., Peoria, Ill. Washing machine. 1,745,595; Feb. 4.
- Altorfer, Alpheus W., Peoria, Ill. Centrifugal drier. 1,754,252; Apr. 15.
- Altorfer, Alpheus W., Peoria, Ill. Wringer. 1,759,215; May 20.
- Altorfer, Alpheus W., Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,752,547; Apr. 1.
- Altorfer, Alpheus W., Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,770,383; July 15.
- Altorfer, Alpheus W., Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,772,094; Aug. 5.
- Altorfer, Alpheus W., Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,772,095; Aug. 5.
- Altorfer, Alpheus W., Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,773,334; Aug. 19.
- Altorfer, Alpheus W., Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill. Laundry apparatus. 1,782,224; Nov. 18.
- Altorfer, Alpheus W., Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill. Laundry machine. 1,784,564; Dec. 9.
- Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)
- Altorfer Brothers Company. (See Simmons, Theodore, assignor.)
- Altorfer Bros. Company. (See Wilson, Douglas A., assignor.)
- Altwater, Arthur W., St. Louis County, Mo. Marking machine. 1,751,467; Mar. 25.
- Altwater, Herbert G., Gary, Ind. Multiple-speed transmission mechanism. 1,767,909; June 24.
- Aluminum Company of America. (See Andersen, E. F., and Sharp, assignors.)
- Aluminum Company of America. (See Archer, Robert S., assignor.)
- Aluminum Company of America. (See Archer, R. S., and Fink, assignors.)
- Aluminum Company of America, The. (See Bjornson, Ingvar B., assignor.)
- Aluminum Company of America. (See Boothman, D. M., and Cullerton, assignors.)
- Aluminum Company of America. (See Bungay, George W., assignor.)
- Aluminum Company of America. (See Edwards, Junius D., assignor.)
- Aluminum Company of America. (See Frary, Francis C., assignor.)
- Aluminum Company of America, The. (See Jardine, Frank, assignor.)
- Aluminum Company of America. (See Petrey, Arthur W., assignor.)
- Aluminum Company of America. (See Rearick, Walter S., assignor.)
- Aluminum Company of America. (See Sharp, John E., assignor.)
- Aluminum Company of America. (See Stay, T. D., and Holzhauer, assignors.)
- Aluminum Company of America. (See Varney, Theodore, assignor.)
- Aluminum Company of America. (See Williams, J. C., and Greeman, assignors.)
- Aluminum Company of America. (See Winter, William C., assignor.)
- Aluminum Cooking Utensil Company. (See Wilson, John H., assignor.)
- Aluminum Goods Manufacturing Company. (See Drumm, Elmer E., assignor.)
- Aluminum Goods Manufacturing Co. (See Tollagsen, Olaf, assignor.)
- Aluminium Plant and Vessel Company, The. (See Crosby, William E., assignor.)
- Aluminum Plant & Vessel Company, Limited, The. (See Seligman, Richard, assignor.)
- Aluminum Products Company. (See McClure, Elmer P., assignor.)
- Aluminum Solder Corporation of America. (See Geisel, Karl, assignor.)
- Alver, Arnie, Minneapolis, Minn. Attachment for elevating graders and the like. 1,779,686; Oct. 28.
- Alvera, Josef. (See Wenz J., Brunhübner, and Alvera.)
- Alvey-Ferguson Company, The. (See Dionne, Arthur A., assignor.)
- Alvey, Glenn H. (See Young, E. A., and Alvey.)
- Alvey, Glenn H., and E. A. Young, assignors to Uvalde Rock Asphalt Company, San Antonio, Tex. Paving material and method of preparing such material. 1,767,830; June 24.
- Alvey Manufacturing Company. (See Reichle, Carl J., assignor.)
- Alvin Corporation, The. (See Staf, Axel H., assignor.)
- Alvistur, Oscar, Oakland, Calif. Airplane-landing speed-retarding device. 1,765,818; June 24.
- Alvistur, Oscar, Oakland, Calif. Apparatus for releasing glider planes. 1,784,954; Dec. 16.
- Alvord, Charles C., Worcester, Mass. Tuft yarn frame for looms. 1,744,433; Jan. 21.
- Alvord, Clinton, assignor to Worcester Loom Works, Worcester, Mass. Tuft-frame-threading device. 1,786,813; Dec. 30.
- Alvord, Earl B., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Fungicide. 1,762,709; June 10.
- Alvord, Earl B., Cleveland Heights, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Transplanter. 1,776,016; Sept. 16.
- Alvord, Grove D., Syracuse, N. Y., assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Cable bracket. 1,775,712; Sept. 16.
- Alwin, George F., Ripon, Wis. Snowplow. 1,776,878; Sept. 30.
- Alz, Friedrich, Philadelphia, Pa. Thread or yarn guide. 1,772,236; Aug. 5.
- Alze, Karl, Dortmund, Germany. Locomotive-engine draft regulator. 1,751,187; Mar. 18.
- Amalgamated Roofing Company. (See Maclean, Robert, assignor.)
- Amatel, Harold, East Orange, N. J., assignor to Westinghouse Lamp Company. Locking carton. 1,760,678; May 27.
- Amberg, Walter E., Glen Ellyn, assignor, by mesne assignments, to Smalley Accessories Corp., Chicago, Ill. Piston ring. 1,773,250; Aug. 19.
- Amberg, Walter E. (See Hallam, R. M., and Amberg.)
- Amberston, Howard H., Belgrade, Mont. Hog feeder. 1,771,701; July 29.
- Ambler Asbestos Company. (See Mattison, Richard V., assignor.)
- Ambler Asbestos Shingle & Sheathing Company. (See Haff, Charles P., assignor.)
- Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Loom. 1,742,891; Jan. 7.
- Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Loom. 1,747,098; Feb. 11.
- Ambrette, Conrad, Brooklyn, N. Y. Folding machine for alimentary pastes. 1,753,733; Apr. 8.
- Ambro, Jerome G., et al. (See Giudice, Charles, assignor.)
- Ambrose, Ernest R., assignor to U. S. Safety Flange Company, Topeka, Kans. Structure of auxiliary flanges for automobile wheels. 1,786,389; Dec. 23.
- Ambush, Charles G., Roxbury, Mass. Bumper. 1,773,928; Aug. 26.
- Ambye, Anthon, assignor to Davis & Furber Machine Company, Andover, Mass. Twister tube for spinning frames. 1,752,878; Apr. 1.
- Amco Incorporated. (See Morton, William A., assignor.)
- Amdyco Corporation. (See Palmer, Walter, assignor.)
- Amendolara, Joseph. (See Bolger, Robert S., assignor.)
- Amendolara, Joseph A., New York, N. Y. Loading apparatus. 1,763,560; June 10.
- Ament, George E., assignor of one-half to W. F. McCabe, New Kensington, Pa. Conductor support for electric irons. 1,776,743; Sept. 23.
- American Air-Brake Company. (See Bossard, Theodore, assignor.)
- American Air-Cooled Block-Arch Combustion Co. Inc. (See Gates, John W., assignor.)
- American Air Filter Company. (See Birkholz, Hans E., assignor.)
- American Air Filter Company. (See Goodloe, Alfred M., assignor.)
- American Air Filter Company. (See Jordahl, Anders, assignor.)
- American Air Filter Company. (See McConnell, J. R., and Lewis, assignors.)
- American Anode, Inc. (See Klein, Paul, assignor.)
- American Anode Inc. (See Klein, P., and Szegvári, assignors.)
- American Anode Inc. (See Klein, P., Szegvári, and Gotlieb, assignors.)
- American Anode, Incorporated. (See McKay, R. F., Willshaw, Gorham, and Lee, assignors.)
- American Anode, Inc. (See Sheppard, S. E., and Eberlin, assignors.)
- American Arch Company. (See Becker, Arthur F., assignor.)

- American Arch Company. (See Dobie, Bradley, assignor.)
 American Arch Company. (See Stevens, Enoch P., assignor.)
 American Arch Company. (See Willett, Alfred H., assignor.)
 American Automatic Typewriter Co. (See MacPherson, J. R., and Hill, assignors.)
 American Aviation Corporation. (See Sundstedt, Hugo, assignor.)
 American Bank Note Company. (See Erikson, James I., assignor.)
 American Bank Note Company. (See Marquardt, Frank C., assignor.)
 American Bank Note Company. (See Wood, Frank T., assignor.)
 American Bemberg Corporation. (See Hofmann, Hugo, assignor.)
 American Bemberg Corporation. (See Winkelmann, Heinz, assignor.)
 American Bemberg Corporation. (See Zur Löwen, Waldemar, assignor.)
 American Bicheroux Company, The. (See Brédin, Pierre, assignor.)
 American Bicheroux Company, The. (See Dorsey, Vernon M., assignor.)
 American Bicheroux Company, The. (See Genenger, Richard, assignor.)
 American Bicheroux Company, The. (See Heuze, Charles, assignor.)
 American Bicheroux Company, The. (See von Reis, Lambert, assignor.)
 American Bicheroux Company, The. (See Werotte, Séraphin, assignor.)
 American Bitumuls Company. (See McKesson, Claude L., assignor.)
 American Blower Corporation. (See Anderson, Edward L., assignor.)
 American Blower Corporation. (See Morse, Clark T., assignor.)
 American Blower Corporation. (See Morse, C. T., and Hogan, assignors.)
 American Bolt Anchor Corporation. (See Mirzan, Richard A., assignor.)
 American Bosch Magneto Corporation. (See Cotter, William F., assignor.)
 American Bosch Magneto Corporation. (See Curtis, Leslie F., assignor.)
 American Bosch Magneto Corporation. (See Fox, Florian J., assignor.)
 American Box Board Company. (See Bonfield, Emmons W., assignor.)
 American Brake Company, The. (See Craig, Fred G., assignor.)
 American Brake Company, The. (See McGowan, Thomas R., assignor.)
 American Brake Company, The. (See Wahlert, Henry A., assignor.)
 American Brake Materials Corporation. (See Brackett, Tracy F., assignor.)
 American Brake Materials Corporation. (See Gillies, Hugh, assignor.)
 American Brake Materials Corporation. (See Thompson, James S., assignor.)
 American Brake Shoe & Foundry Company, The. (See Nelson, Albert, assignor.)
 American Brake Shoe & Foundry Company, The. (See Gleisner, Michael W., assignor.)
 American Brake Shoe & Foundry Company, The. (See Pogue, Robert B., assignor.)
 American Brake Shoe & Foundry Company, The. (See Stewart, Robert S., assignor.)
 American Brake Shoe & Foundry Company, The. (See Thompson, James S., assignor.)
 American Brass Company, The. (See Bassett, William H., assignor.)
 American Brass Company, The. (See Coe, James R., assignor.)
 American Brass Company, The. (See Hook, Ira T., assignor.)
 American Brass Company. (See Oxer, George C., assignor.)
 American Brass & Fire Equipment Corporation. (See Diez, Conrad J., assignor.)
 American Brown Boveri Electric Corporation. (See Cook, Percy E., assignor.)
 American Brown Boveri Electric Corporation. (See Gregory, Harold D., assignor.)
 American Brown Boveri Electric Corporation. (See MacLean, Margaret L., assignor.)
 American Brown Boveri Electric Corporation. (See Rump, Sigurd, assignor.)
 American Brown Boveri Electric Corporation. (See Sindeland, M. L., and Marti, assignors.)
 American Brown Boveri Electric Corporation. (See Wilder, Laurence R., assignor.)
 American Buckle Company, The. (See Hodge, Robert J., assignor.)
 American Buckle Company. (See Salisbury, Jessup, assignor.)
 American Button & Fastener Co. (See Latham, Albert, deceased, assignor.)
 American Cable Company. (See Conner, Edward A., assignor.)
 American Cable Company. (See Luckey, George P., assignor.)
 American Can Company. (See Bryant, Harvey L., assignor.)
 American Can Company. (See Butler, William F., assignor.)
 American Can Company. (See Cabot, Walter K., assignor.)
 American Can Company. (See Cadwallader, Converse B., assignor.)
 American Can Company. (See Dister, Joseph, assignor.)
 American Can Company. (See Eberhart, Felix, assignor.)
 American Can Company. (See Erb, George C., assignor.)
 American Can Company. (See Hansen, John, assignor.)
 American Can Company. (See Hothersall, John M., assignor.)
 American Can Company. (See Johnson, Axel, assignor.)
 American Can Company. (See Jones, Lyman L., assignor.)
 American Can Company. (See Magill, Donald G., assignor.)
 American Can Company. (See Michael, Leonard, assignor.)
 American Can Company. (See Mueller, Edward C., assignor.)
 American Can Company. (See Nicholls, Henry M., assignor.)
 American Can Company. (See Nordquist, R. E. J., and Widell, assignors.)
 American Can Company. (See Odquist, Victor, assignor.)
 American Can Company. (See Paynter, Horace J., assignor.)
 American Can Company. (See Peters, John F., assignor.)
 American Can Company. (See Reid, George C., assignor.)
 American Can Company. (See Seltzer, Clifford G., assignor.)
 American Can Company. (See Stollberg, Charles, assignor.)
 American Can Company. (See Taylor, William E., assignor.)
 American Can Company. (See Toleik, John A., assignor.)
 American Can Company. (See Widell, Magnus E., assignor.)
 American Can Company. (See Wood, Vernon, assignor.)
 American Can Company. (See Young, John M., assignor.)
 American Car and Foundry Company. (See Abel, Joseph C., assignor.)
 American Car and Foundry Company. (See Almquist, Leopold, assignor.)
 American Car and Foundry Company. (See Beyer, John, assignor.)
 American Car and Foundry Company. (See Dayes, Frederick B., assignor.)
 American Car and Foundry Company. (See Dietrichson, William F., assignor.)
 American Car and Foundry Company. (See Field, Harry P., assignor.)
 American Car and Foundry Company. (See Field, Henry P., assignor.)
 American Car and Foundry Company. (See Folmsbee, Clyde H., assignor.)
 American Car and Foundry Company. (See Johnson, Warren V., assignor.)
 American Car and Foundry Company. (See Joy, Robert W., assignor.)
 American Car and Foundry Company. (See Kassler, Adolph, assignor.)
 American Car and Foundry Company. (See Knight, J. M., and Willoughby, assignors.)
 American Car and Foundry Company. (See Mayer, William J., assignor.)
 American Car and Foundry Company. (See McBride, John J., assignor.)
 American Car and Foundry Company. (See Nichols, R. G., and Willoughby, assignors.)
 American Car and Foundry Company. (See Rohlfing, John M., assignor.)
 American Car and Foundry Company. (See Stevens, Herbert A., assignor.)
 American Car and Foundry Company. (See Stevenson, Frederick A., assignor.)
 American Car and Foundry Company. (See Stevenson, John S., jr., assignor.)
 American Car and Foundry Company. (See Stolberg, Emil C., assignor.)
 American Car and Foundry Company. (See Thompson, John D., assignor.)
 American Car and Foundry Company. (See van Hoorn, Albert W. W., assignor.)
 American Car and Foundry Company. (See Walp, Charles F., assignor.)
 American Car and Foundry Company. (See Willoughby, Victor, assignor.)
 American Car and Foundry Company. (See Wood, J. L., and Willoughby, assignors.)
 American Car and Foundry Motors Company. (See Hall, Elbert J., assignor.)
 American Car and Foundry Motors Company. (See Hawkes, Arthur G., assignor.)
 American Car and Foundry Motors Company. (See Mackie, Robert A., assignor.)
 American Car and Foundry Motors Company. (See Walker, Hubert, assignor.)
 American Car and Foundry Motors Company. (See Walker, H., and Whitten, assignors.)
 American Carbonic Machinery Company. (See Labus, Otto A., assignor.)
 American Cast Iron Pipe Company. (See Herrmann, Arnold J., assignor.)

- American Cast Iron Pipe Company. (See Morgan, Walter, assignor.)
- American Chain Company. (See Conner, Edward A., assignor.)
- American Chain Company. (See Duncan, Frederick S., assignor.)
- American Chain Company. (See Ely, Walter C., assignor.)
- American Chain Company. (See Holcomb, Walter W., assignor.)
- American Chain Company. (See Holmes, Bradford B., assignor.)
- American Chain Company. (See Lashar, Walter B., assignor.)
- American Chain Company. (See Lyon, George A., assignor.)
- American Chain Company. (See Pitschner, Karl, assignor.)
- American Chain Company. (See Robinson, Harry G., assignor.)
- American Chain Company. (See Weston, Alonzo H., assignor.)
- American Chain Company. (See Yanss, George W., assignor.)
- American Chemical Paint Company. (See Gravell, James H., assignor.)
- American Cigar Company. (See Neiley, Charles F., assignor.)
- American Coach & Body Company, The. (See Holan, James, assignor.)
- American Colortype Company. (See Born, Edwin A., assignor.)
- American Crayon Company, The. (See Cooney, Frank B., assignor.)
- American Crossarm & Conduit Company. (See Neville, John H., assignor.)
- American Cuptor Corporation. (See Wicks, Clifford P., assignor.)
- American Cyanamid Company. (See Barsky, George, assignor.)
- American Cyanamid Company. (See Barsky, G., and Griffith, assignors.)
- American Cyanamid Company. (See Bradley, Theodore F., assignor.)
- American Cyanamid Company. (See Buchanan, Guy H., assignor.)
- American Cyanamid Company. (See Christmann, Ludwig J., assignor.)
- American Cyanamid Company. (See Collins, Charles D., assignor.)
- American Cyanamid Company. (See Cooper, Kenneth F., assignor.)
- American Cyanamid Company. (See Cooper, K. F., and Moore, assignors.)
- American Cyanamid Company. (See Heuser, Ralph V., assignor.)
- American Cyanamid Company. (See Kemmer, Frank R., assignor.)
- American Cyanamid Company. (See Mead, Harry L., assignor.)
- American Cyanamid Company. (See Moore, William, assignor.)
- American Cyanamid Company. (See Romieux, C. J., and Wohnsiedler, assignors.)
- American Cyanamid Company. (See Thomas, George G., assignor.)
- American Cystoscope Makers, Inc. (See Wappler, Reinhold H. and F. C., assignors.)
- American Dairy Supply Co. (See Compton, Harry L., assignor.)
- American Dairy Supply Company. (See Norwood, Harry G., assignor.)
- American District Telegraph Company. (See Hopkins, Richard M., assignor.)
- American District Telegraph Company. (See Hopkins, R. M., and McIntosh, assignors.)
- American District Telegraph Company. (See Worden, Arthur F., assignor.)
- American Dressler Tunnel Kilns, Inc. (See Dressler, Philip d'H., assignor.)
- American Dressler Tunnel Kilns, Inc. (See Meehan, Paul A., assignor.)
- American Electric Company. (See Anderson, Clarence A., assignor.)
- American Electrical Works. (See Busey, Herbert S., assignor.)
- American Electric Company. (See Ide, Harry H., assignor.)
- American Electric Company. (See Stanton, Willard J., assignor.)
- American Electric Company. (See Stanton, W. J., and Gosling, assignors.)
- American Electric Fusion Corporation. (See von Henke, Edmund J., assignor.)
- American Electric Motor Company. (See Perlesz, Hugo, assignor.)
- American Electric Switch Corporation. (See Lewis, Joseph C., assignor.)
- American Electrical Heater Company. (See Kuhn, Frank, assignor.)
- American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
- American Enameled Brick & Tile Company. (See Sutphen, Robert M., assignor.)
- American Encaustic Tiling Company. (See McCoy, William, assignor.)
- American Engineering Company. (See Alpern, Maxwell, assignor.)
- American Engineering Company. (See Bowden, William L., assignor.)
- American Engineering Company. (See Bryant, Everett B., assignor.)
- American Engineering Company. (See Harrison, Clifford E., assignor.)
- American Engineering Company. (See Jones, Earl R., assignor.)
- American Engineering Company. (See Koons, Charles V., assignor.)
- American Engineering Company. (See Mellon, James A., assignor.)
- American Exchange National Bank (executor). (See Gow, Alexander M., deceased.)
- American Fabrics Company, The. (See Piepenbring, Gustave A., assignor.)
- American Fibre Corporation. (See Baldwin, E. F., and Woods, assignors.)
- American Fibre Corporation. (See Millett, John E., assignor.)
- American Fibre Corporation. (See Millett, J. E., and Nordstrom, assignors.)
- American Fibre Corporation. (See Nordstrom, Gustaf E., assignor.)
- American Fixture & Showcase Manufacturing Company. (See Mendle, Milton D., assignor.)
- American Flange & Manufacturing Company. (See Parish, Richard L., assignor.)
- American Flange & Manufacturing Co. (See Shera, John W., assignor.)
- American Flexible Shaft Manufacturing Corporation. (See Hasemann, John L., assignor.)
- American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)
- American Floor Surfacing Machine Company, The. (See Shunk, Roy F., assignor.)
- American Floor Surfacing Machine Company, The. (See Wolfe, H. H., and Myers, assignors.)
- American Flyer Manufacturing Company. (See Becker, Harry S., assignor.)
- American Flyer Manufacturing Company. (See Cuff, James E., assignor.)
- American Flyer Mfg. Co. (See Mize, Fred, assignor.)
- American Fork & Hoe Company, The. (See Cowdery, Robert H., assignor.)
- American Fork & Hoe Company, The. (See Cowdery, R. H., and Grimes, assignors.)
- American Fork & Hoe Company, The. (See Fifield, Albert F., assignor.)
- American Fork & Hoe Company, The. (See Foss, William A., assignor.)
- American Fork & Hoe Company, The. (See Kelly, W. C., Price, Bruce, and Goeller, assignors.)
- American Fork & Hoe Company, The. (See Withington, Winthrop, assignor.)
- American Foundry Equipment Company, The. (See Rich, Elmer A., jr., assignor.)
- American Freight Service, Inc. (See Perin, Donald W., assignor.)
- American Fuel Economizer Corporation. (See Stuckert, Alfred E., assignor.)
- American Gasaccumulator Company. (See Boots, E. R., Luce, and Oestnaes, assignors.)
- American Gasaccumulator Company. (See Dalén, Gustaf, assignor.)
- American Gasaccumulator Company. (See Eskilson, Sven A., assignor.)
- American Gasaccumulator Company. (See Goodwin, George, assignor.)
- American Gasaccumulator Company. (See Luce, Richard W., assignor.)
- American Gasaccumulator Company. (See Steel, Robert R., assignor.)
- American Gasaccumulator Company. (See Oestnaes, Victor L., assignor.)
- American Gas Furnace Company. (See Machlet, A. W., and Osterman, assignors.)
- American Gas Turbine Corporation. (See Harper, William, jr., assignor.)
- American Gear Shift Company. (See Craig, Alvin M., assignor.)
- American Grinder Company. (See Ott, Albert J. and C. L., assignors.)
- American Gypsum Company. (See Clark, Sidney C., assignor.)
- American Gypsum Company, The. (See Frontz, Albert, assignor.)
- American Gypsum Company, The. (See Griswold, Frank J., assignor.)
- American Gypsum Company. (See New, Gustave A., assignor.)
- American Hair & Felt Company. (See Bettison, Percy R., assignor.)
- American Hair & Felt Company. (See Moller, Conrad G., assignor.)
- American Hair & Felt Company. (See Wallin, Van A., assignor.)
- American Hammered Piston Ring Company, The. (See Morton, Allen W., assignor.)
- American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
- American Hardware Corporation, The. (See Telch, Ernest L., assignor.)

- American Hotel Register Co. (See Leahy, Thomas F., assignor.)
 American Incubators, Inc. (See Watson, Harold L., assignor.)
 American Iron & Machine Works, Inc. (See Lincoln, Robert A., assignor.)
 American Iron & Machine Works, Inc. (See Murphy, Orville E., assignor.)
 American Jewelry Chain Company Incorporated. (See Bopp, F. W., and Volk, assignors.)
 American Lace Paper Company. (See Conrad, Fred A., assignor.)
 American Lace Paper Company. (See De Vries, George, assignor.)
 American Lace Paper Company. (See Huff, Ernest, assignor.)
 American La France and Foamite Corporation. (See Black, John C., assignor.)
 American La France and Foamite Corporation. (See Patterson, Duncan W., assignor.)
 American La France and Foamite Corporation. (See Richards, Benjamin, assignor.)
 American La France and Foamite Corporation. (See White, Clifford B., assignor.)
 American La France and Foamite Corporation. (See Witter, Willis D., assignor.)
 American Laundry Machinery Company, The. (See Beatrice, William P., assignor.)
 American Laundry Machinery Company, The. (See Brockett, Bluford W., assignor.)
 American Laundry Machinery Company, The. (See Carroll, Emil J., assignor.)
 American Laundry Machinery Company. (See Carroll, E. J., and Johnson, assignors.)
 American Laundry Machinery Company, The. (See Garvey, James M., assignor.)
 American Laundry Machinery Company, The. (See Hanney, Angus F., assignor.)
 American Laundry Machinery Company, The. (See Johnston, Henry P., assignor.)
 American Laundry Machinery Company, The. (See Matthews, Albert, assignor.)
 American Laundry Machinery Company, The. (See Pauly, Robert C., assignor.)
 American Laundry Machinery Company, The. (See Pauly, R. C., and Nottage, assignors.)
 American Laundry Machinery Company, The. (See Pearce, Edwin S., assignor.)
 American Laundry Machinery Company, The. (See Sando Joseph B., assignor.)
 American Laundry Machinery Company, The. (See Schramm, Albert O., assignor.)
 American Laundry Machinery Company, The. (See Schramm, A. O., and Schreiber, assignors.)
 American Laundry Machinery Company, The. (See Staley, Alonzo D., assignor.)
 American Laundry Machinery Company, The. (See Wareham, Charles E., assignor.)
 American Lead Pencil Company. (See Burden, W. H., and Friedlein, assignors.)
 American Lead Pencil Company. (See Reckford, John K., assignor.)
 American Linen Company. (See Steiner, F. M., and Olson, assignors.)
 American Lithographic Company. (See Banzett, William H., assignor.)
 American Lithographic Company. (See Intemann, William, assignor.)
 American Lurgi Corporation. (See Job, Wolfgang, assignor.)
 American Lurgi Corporation. (See Pantenburg, Vitalis, assignor.)
 American Lurgi Corporation. (See Sterner-Rainer, Roland, assignor.)
 American Machine & Foundry Company. (See Apple, Lynford A., assignor.)
 American Machine & Foundry Company. (See Bronander, W. B., and Hagquist, assignors.)
 American Machine & Foundry Company. (See Chandler, Robert J. A., assignor.)
 American Machine & Foundry Company. (See Fuse, Christian J., assignor.)
 American Machine & Foundry Company. (See Hawkins, W. J., assignor.)
 American Machine & Foundry Company. (See Kehling, Charles, assignor.)
 American Machine & Foundry Company. (See Millring, Edwin R., assignor.)
 American Machine & Foundry Company. (See Royan, George, assignor.)
 American Machine & Foundry Company. (See Wheeler, Henry H., assignor.)
 American Manganese Steel Company. (See Blakemore, Arthur L., assignor.)
 American Manganese Steel Company. (See Brayton, Corey C., assignor.)
 American Manganese Steel Company. (See Bruton, William C., assignor.)
 American Manganese Steel Company. (See Estes, Clarence H., assignor.)
 American Manganese Steel Company. (See Fahrenwald, Frank A., assignor.)
 American Manganese Steel Company. (See Longenback, Edwin F., assignor.)
 American Manganese Steel Company. (See McNinch, William T., assignor.)
 American Manganese Steel Company. (See Mullally, Walter J., assignor.)
 American Manganese Steel Company. (See Watts, James R., assignor.)
 American Magnesium Corporation. (See Stay, T. D., and Holzhauer, assignors.)
 American Medallion Inlaid Linoleum Company (Batten's New Patents) Inc. (See Batten, Edward and J. D., assignors.)
 American Metal Company. (See Burkey, H. M., and Ogden, assignors.)
 American Metal Company, The. (See Eppensteiner, Wm. F., assignor.)
 American Metal Company (Limited), The. (See Eppensteiner, W. F., and Green, assignors.)
 American Metal Company. (See Schleicher, Henry M., assignor.)
 American Metal Molding Co. (See Johnson, Gustave A., assignor.)
 American Meter Company. (See Fulcher, Charles N., assignor.)
 American Meter Company. (See Huettig, Arno R., assignor.)
 American Meter Company. (See Lucas, John T., assignor.)
 American Meter Company. (See Wilson, George D., assignor.)
 American Mine Door Co., The. (See Gurney, Albert J., assignor.)
 American Mine Door Co., The. (See Miller, James B., assignor.)
 American Moistening Company. (See Trafton, W. M., and Armstrong, assignors.)
 American Multigraph Company, The. (See Colquhoun, P. M., and Allen, assignors.)
 American Multigraph Company, The. (See Morse, Lawrence H., assignor.)
 American Multigraph Company, The. (See Schultz, August L., assignor.)
 American Multigraph Company, The. (See Williams, August F., assignor.)
 American Nuplex Corporation. (See Homberg, Felix, assignor.)
 American Oil Company, The. (See Wakefield, Arthur T., assignor.)
 American Optical Company. (See Baker, Nelson M., assignor.)
 American Optical Company. (See Maynard, Albert E., assignor.)
 American Optical Company. (See Merry, Fred C., assignor.)
 American Optical Company. (See Schumacher, Elmer L., assignor.)
 American Optical Company. (See Tillyer, Edgar D., assignor.)
 American Optical Company. (See Wells, J. C., and Schumacher, assignors.)
 American Optical Company. (See Wrighton, William J., assignor.)
 American Ore Reclamation Company. (See Klugh, Bethune G., assignor.)
 American Ore Reclamation Company. (See Shallock, Edward W., assignor.)
 American Paper Bottle Company, The. (See Van Wormer, John R., assignor.)
 American Patents Corporation. (See Hoge, J. R., and Soubier, assignors.)
 American Patents Corporation. (See Soubier, L. D., and Carl, assignors.)
 American Pearl Button Company. (See Knott, Harry H., assignor.)
 American Phototure Company. (See Pifer, George N., assignor.)
 American Piano Company. (See Stoddard, Charles F., assignor.)
 American Pine Products Corp'n. (See Schaffer, John C., assignor.)
 American Potash & Chemical Corporation. (See Burke, William E., assignor.)
 American Powder Company. (See Borland, Charles R., assignor.)
 American Pulverizer Company. (See Elzemeyer, Ernst H., assignor.)
 American Radiator Company. (See Courtot, Louis, assignor.)
 American Radiator Company. (See Dillman, Earnest J., assignor.)
 American Radiator Company. (See Eggleston, Lewis W., assignor.)
 American Radiator Company. (See Landon, A. A., and Bliss, assignors.)
 American Radiator Company. (See Maier, George M., assignor.)
 American Radiator Company. (See Meloche, Daniel H., assignor.)
 American Radiator Company. (See Mertzanoff, André M., assignor.)
 American Richeroux Company, The. (See Genenger, Richard, assignor.)
 American Road Machinery Company. (See Abbe, George C., assignor.)
 American Road Machinery Company. (See Brown, E. C., and Hale, assignors.)

- American Road Machinery Company. (See Schmidt, Carl G. A., jr., assignor.)
 American Road Machinery Company. (See Thompson, Watson T., assignor.)
 American Roll Gold Leaf Company. (See Littlefield, George E., assignor.)
 American Rolling Mill Company, The. (See Byrum, J. R., Russell, and Meeks, assignors.)
 American Rolling Mill Company, The. (See Eppelsheimer, Daniel, assignor.)
 American Rolling Mill Company, The. (See Finkbone, Benjamin P., assignor.)
 American Rolling Mill Company, The. (See Freeze, Jonathan R., assignor.)
 American Rolling Mill Company, The. (See Holiday, H., McKnight, and Christfield, assignors.)
 American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
 American Rolling Mill Company, The. (See Jacoby, Arthur B., assignor.)
 American Rolling Mill Company, The. (See Leichner, Leroy G., assignor.)
 American Rolling Mill Company, The. (See Naugle, H. M., and Townsend, assignors.)
 American Rolling Mill Company, The. (See Nead, J. H., Kenyon, and Rust, assignors.)
 American Rolling Mill Company, The. (See Nead, J. H., Wehr, and Mahlie, assignors.)
 American Rolling Mill Company, The. (See Palmer, C. B., and Kronborg, assignors.)
 American Rolling Mill Company, The. (See Sauveur, Albert, assignor.)
 American Rolling Mill Company, The. (See Spaulding, Arch W., assignor.)
 American Rolling Mill Company, The. (See Townsend, A. J., and Miller, assignors.)
 American Rolling Mill Company, The. (See Tytus, John B., assignor.)
 American Rolling Mill Company, The. (See Wehr, E. R., and Mahlie, assignors.)
 American Rolling Screen Co. (See Rupprecht, Edgar P., assignor.)
 American Rubber Company. (See Holmberg, Albert W., assignor.)
 American Rubber Company. (See Hopkinson, E., and Teague, assignors.)
 American Rubber Company. (See Raymond, Howard A., assignor.)
 American Rubber Company. (See Teague, Merwyn C., assignor.)
 American Rubber Products Corporation. (See Olson, Nels L., assignor.)
 American Safety Device Co. (See Davidson, Frederic A., assignor.)
 American Safety Razor Corporation. (See Dalkowitz, Godfrey, assignor.)
 American Safety Table Company. (See Voigt, Max T., assignor.)
 American Sales Book Company. (See Bottle, Edward K., assignor.)
 American Sales Book Company. (See Hagemann, Louis F., assignor.)
 American Sales Book Company. (See Nixon, Ernest G., assignor.)
 American Sales Book Company. (See Pringle, W. A., and Hagerman, assignors.)
 American Sales Book Company. (See Wiswall, William J., assignor.)
 American Seal-Kap Corporation. (See Baum, Ewald G., assignor.)
 American Seal-Kap Corporation. (See Goodwin, Carl W., assignor.)
 American Seating Company. (See Hamilton, George H., assignor.)
 American Seating Company. (See Merrill, R. K., and Blakslee, assignors.)
 American Sextant Corporation. (See Radford, L., and Davis, assignors.)
 American Sheet and Tin Plate Company. (See Buccicone, Dario, assignor.)
 American Sheet and Tin Plate Company. (See Evans, A. D., and Gravenstreter, assignors.)
 American Sheet and Tin Plate Company. (See Evans, A. D., and Lamoree, assignors.)
 American Sheet and Tin Plate Company. (See Hennessey, William H., assignor.)
 American Sheet and Tin Plate Company. (See Holden, J. H., O'Brien, Whetzel, and Zimmerman, assignors.)
 American Sheet and Tin Plate Company. (See Loyd, W. C., and McIlvried, assignors.)
 American Sheet and Tin Plate Company. (See McArthur, Arthur R., assignor.)
 American Sheet and Tin Plate Company. (See McArthur, A. R., and McIlvried, assignors.)
 American Sheet and Tin Plate Company. (See McQuiston, Jesse T., assignor.)
 American Sheet and Tin Plate Company. (See Moore, Edwin B., assignor.)
 American Signal Corporation. (See Thompson, Marshall F., assignor.)
 American Slicing Machine Company. (See Campbell, William J., assignor.)
 American Slicing Machine Company. (See Hennessy, Richard T., assignor.)
 American Smelting and Refining Company. (See Aubel, Paul K., assignor.)
 American Smelting and Refining Company. (See Betterton, Jesse O., assignor.)
 American Smelting and Refining Company. (See Easter, Henry F., assignor.)
 American Smelting and Refining Company. (See Evans, George D., assignor.)
 American Smelting and Refining Company. (See Hall, Arthur E., assignor.)
 American Smelting and Refining Company. (See Hasche, Rudolph L., assignor.)
 American Smelting and Refining Company. (See Heberlein, Charles A., assignor.)
 American Smelting and Refining Company. (See Hershey, Carl G., assignor.)
 American Smelting and Refining Company. (See Labbe, Armand L., assignor.)
 American Smelting and Refining Company. (See MacMichael, Hugh R., assignor.)
 American Smelting and Refining Company. (See O'Harra, B. M., and Slagle, assignors.)
 American Smelting & Refining Company. (See Peirce, William H., assignor.)
 American Smelting and Refining Company. (See Perkins, M. F., Hanson, and O'Harra, assignors.)
 American Smelting and Refining Company. (See Poland, Frank F., assignor.)
 American Smelting and Refining Company. (See Rathbun, Ross B., assignor.)
 American Solvent Recovery Corporation. (See Barnebey, Oscar L., assignor.)
 American Solvents & Chemical Corporation. (See Crowell, Russell B., assignor.)
 American Stamping Co. (See Ordway, Donald P., assignor.)
 American Stamping Co. (See Sherman, H. B., and Ordway, assignors.)
 American Stay Company. (See Merrick, Frank W., assignor.)
 American Steel and Wire Company, of New Jersey, The. (See Coons, P. T., and Rose, assignors.)
 American Steel and Wire Company of New Jersey, The. (See Earl, Allen W., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Hoeftmann, Alexander O., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Howe, James F., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Morrison, Max P., assignor.)
 American Steel Band Company. (See Bowman, Joseph H., assignor.)
 American Steel Foundries. (See Floyd, George G., assignor.)
 American Steel Foundries. (See Hamilton, Winfield C., assignor.)
 American Steel Foundries. (See Hamilton, W. C., and Sims, assignors.)
 American Steel Foundries. (See Lamont, John A., assignor.)
 American Steel Foundries. (See Trowbridge, William S., assignor.)
 American Steel Foundries. (See Whitney, Loren L., assignor.)
 American Steel Package Company, The. (See Behringer, Grover F., assignor.)
 American Steel Products Co. (See Harvey, William D., assignor.)
 American Steel Products Co. (See Tolley, Donald B., assignor.)
 American Steel Products Co. (See Wells, George M., assignor.)
 American Sterilizer Company. (See Hall, George F., assignor.)
 American Sterilizer Company. (See Jewell, Raymond L., assignor.)
 American Stove Company. (See Brodbeck, Almer H., assignor.)
 American Stove Company. (See Kirby, Walter E., assignor.)
 American Stove Company. (See Nicolaus, Frederic G., assignor.)
 American Stove Company. (See Stockstrom, Arthur, assignor.)
 American Stove Company. (See Stockstrom, A., and Brodbeck, assignors.)
 American Sundries Co. (See Lawner, Nicholas, assignor.)
 American Swiss Company, The. (See Grund, Fletcher D., assignor.)
 American Swiss Company, The. (See Grund, F. D., and Rightmyer, assignors.)
 American Swiss Company, The. (See McCarthy, Charles S., assignor.)
 American Swiss Company, The. (See Surprenant, Ulric G., assignor.)
 American Tank Company. (See Hackett, Lewis M., assignor.)
 American Tap Bush Company. (See Rice, Frank E., assignor.)
 American Tar Products Company, The. (See Faben, Charles R., assignor.)
 American Telechronometer Company. (See Babcock, Garison, assignor.)
 American Telephone and Telegraph Company. (See Abraham, Leonard G., assignor.)

- American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
- American Telephone and Telegraph Company. (See Affel, H. A., and Green, assignors.)
- American Telephone & Telegraph Company. (See Affel, H. A., and Hamilton, assignors.)
- American Telephone and Telegraph Company. (See Bailey, Austin, assignor.)
- American Telephone and Telegraph Company. (See Bailey, A., and Dean, assignors.)
- American Telephone and Telegraph Company. (See Baldwin, Charles E., assignor.)
- American Telephone and Telegraph Company. (See Bascom, Henry M., assignor.)
- American Telephone and Telegraph Company. (See Bascom, H. M., and Haines, assignors.)
- American Telephone and Telegraph Company. (See Berthold, Oscar H., assignor.)
- American Telephone and Telegraph Company. (See Best, Fred H., assignor.)
- American Telephone and Telegraph Company. (See Bisbee, Frederick C., assignor.)
- American Telephone and Telegraph Company. (See Blye, Paul W., assignor.)
- American Telephone and Telegraph Company. (See Bohn, William C., assignor.)
- American Telephone and Telegraph Company. (See Bolin, Carleton H., assignor.)
- American Telephone and Telegraph Company. (See Bonell, Ralph K., assignor.)
- American Telephone and Telegraph Company. (See Bown, Ralph, assignor.)
- American Telephone and Telegraph Company. (See Branson, David E., assignor.)
- American Telephone and Telegraph Company. (See Carpe, Allen, assignor.)
- American Telephone and Telegraph Company. (See Carter, Charles W., jr., assignor.)
- American Telephone and Telegraph Company. (See Chapman, Arthur G., assignor.)
- American Telephone and Telegraph Company. (See Clapp, Robert H., assignor.)
- American Telephone and Telegraph Company. (See Clark, Alva B., assignor.)
- American Telephone and Telegraph Company. (See Clark, A. B., and Best, assignors.)
- American Telephone and Telegraph Company. (See Cole, O. R., and Garlinger, assignors.)
- American Telephone and Telegraph Company. (See Crisison, George, assignor.)
- American Telephone and Telegraph Company. (See Cunningham, James, assignor.)
- American Telephone and Telegraph Company. (See Davidson J., jr., and Moody, assignors.)
- American Telephone and Telegraph Company. (See Dean, Samuel W., assignor.)
- American Telephone and Telegraph Company. (See Dean, S. W., and Anderson, assignors.)
- American Telephone and Telegraph Company. (See Dietze, Eginhard, assignor.)
- American Telephone and Telegraph Company. (See Dingman, J. E., and Engelbert, assignors.)
- American Telephone and Telegraph Company. (See Edwards, William H., assignor.)
- American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
- American Telephone and Telegraph Company. (See Fetter, Charles H., assignor.)
- American Telephone and Telegraph Company. (See Fish, Lewin B., assignor.)
- American Telephone and Telegraph Company. (See Fish, L. B., and St. John, assignors.)
- American Telephone and Telegraph Company. (See Freeman, Albert E., assignor.)
- American Telephone and Telegraph Company. (See Gary, L. A., and Tasker, assignors.)
- American Telephone and Telegraph Company. (See Gillett, Glenn D., assignor.)
- American Telephone and Telegraph Company. (See Glezen, L. L., Stigers, and Taylor, assignors.)
- American Telephone and Telegraph Company. (See Gordon, C. S., and Lowe, assignors.)
- American Telephone and Telegraph Company. (See Green, Estill I., assignor.)
- American Telephone and Telegraph Company. (See Gruene, William J., assignor.)
- American Telephone and Telegraph Company. (See Hamilton, Harold S., assignor.)
- American Telephone and Telegraph Company. (See Henneberger, Thomas C., assignor.)
- American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
- American Telephone and Telegraph Company. (See Holden, William H. T., assignor.)
- American Telephone and Telegraph Company. (See Hotopp, Alfred H., assignor.)
- American Telephone and Telegraph Company. (See Hoyt, Ray S., assignor.)
- American Telephone and Telegraph Company. (See Ilgenfritz, Lester M., assignor.)
- American Telephone and Telegraph Company. (See Kelley, Leo A., assignor.)
- American Telephone and Telegraph Company. (See Kelley, L. A., Monk, and Thorp, assignors.)
- American Telephone and Telegraph Company. (See Labaugh, James M., assignor.)
- American Telephone and Telegraph Company. (See Leibe, Frank A., assignor.)
- American Telephone and Telegraph Company. (See Lewis, Benjamin F., assignor.)
- American Telephone and Telegraph Company. (See Loye, Donald P., assignor.)
- American Telephone and Telegraph Company. (See Martin, De Loss K., assignor.)
- American Telephone and Telegraph Company. (See Matte, Andrew L., assignor.)
- American Telephone and Telegraph Company. (See McCurdy, Ralph G., assignor.)
- American Telephone and Telegraph Company. (See Mead, S. P., and French, assignors.)
- American Telephone and Telegraph Company. (See Miller, Charles G., assignor.)
- American Telephone and Telegraph Company. (See Mitchell, D., and Herman, assignors.)
- American Telephone and Telegraph Company. (See Mitchell, Doren, assignor.)
- American Telephone and Telegraph Company. (See Mitchell, D., and Silent, assignors.)
- American Telephone and Telegraph Company. (See Morency, George H., assignor.)
- American Telephone and Telegraph Company. (See Murphy, John B., assignor.)
- American Telephone and Telegraph Company. (See Nein, Harry R., assignor.)
- American Telephone and Telegraph Company et al. (See Nicoll, R. I. D., Davis, and Von Nostitz, assignors.)
- American Telephone and Telegraph Company. (See Niles, Elliot W., assignor.)
- American Telephone and Telegraph Company. (See Niles, E. W., and Edwards, assignors.)
- American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
- American Telephone and Telegraph Company. (See Nyquist, H., and Brand, assignors.)
- American Telephone and Telegraph Company. (See Nyquist, H., and Pfeiffer, assignors.)
- American Telephone and Telegraph Company. (See Ohl, Russell S., assignor.)
- American Telephone and Telegraph Company. (See Palm, S. M., and Snyder, assignors.)
- American Telephone and Telegraph Company. (See Parker, R. D., and Vernam, assignors.)
- American Telephone and Telegraph Company. (See Peterson, G. H., and Rhodes, assignors.)
- American Telephone and Telegraph Company. (See Phelps, H. E., and Davidson, assignors.)
- American Telephone and Telegraph Company. (See Potter, Ralph K., assignor.)
- American Telephone and Telegraph Company. (See Rea, Wilton T., assignor.)
- American Telephone and Telegraph Company. (See Reed, T. C., and Odell, assignors.)
- American Telephone and Telegraph Company. (See Reynolds, Frederick W., assignor.)
- American Telephone and Telegraph Company. (See Rhodes, William A., assignor.)
- American Telephone and Telegraph Company, et al. (See Rhodes, W. A., Dahl and assignors.)
- American Telephone and Telegraph Company. (See Ritter, Paul E., assignor.)
- American Telephone and Telegraph Company. (See Roberts, Leland C., assignor.)
- American Telephone and Telegraph Company. (See Rosekrans, Wilfred M., assignor.)
- American Telephone and Telegraph Company. (See St. John, Everett, assignor.)
- American Telephone and Telegraph Company. (See Satterthwaite, J. P., and Dingman, assignors.)
- American Telephone and Telegraph Company. (See Schirmer, August H., assignor.)
- American Telephone and Telegraph Company. (See Shanck, Roy B., assignor.)
- American Telephone & Telegraph Company. (See Shaw, Thomas, assignor.)
- American Telephone and Telegraph Company. (See Shetzline, Roy A., assignor.)
- American Telephone and Telegraph Company. (See Silent, Harold C., assignor.)
- American Telephone and Telegraph Company. (See Singer, Fred J., assignor.)
- American Telephone & Telegraph Company. (See Smith, Temple C., assignor.)
- American Telephone and Telegraph Company. (See Strieby, Maurice E., assignor.)
- American Telephone and Telegraph Company. (See Strieby, M. E., and Fetter, assignors.)
- American Telephone and Telegraph Company. (See Stromberg, Sven E., assignor.)
- American Telephone and Telegraph Company. (See Taylor, Edmund R., assignor.)
- American Telephone and Telegraph Company. (See Taylor, E. R. and Hanson, assignors.)
- American Telephone and Telegraph Company. (See Terriberry, Warren S., assignor.)
- American Telephone and Telegraph Company. (See Thompson, George K., assignor.)
- American Telephone and Telegraph Company. (See Thorp, Vaughn P., assignor.)

- American Telephone and Telegraph Company. (See Thorp, V. P., and Rea, assignors.)
 American Telephone and Telegraph Company. (See Ver-nam, Gilbert S., assignor.)
 American Telephone and Telegraph Company, et al. (See Walters, J. N., assignor, and Clark.)
 American Telephone and Telegraph Company. (See Watson, E. F., and Swezey, assignors.)
 American Telephone and Telegraph Company. (See Weaver, Allan, assignor.)
 American Telephone and Telegraph Company. (See Whaley, Sherman E., assignor.)
 American Telephone and Telegraph Company. (See Wilburn, Sidney D., assignor.)
 American Telephone and Telegraph Company. (See Zinn, Manvel K., assignor.)
 American Telephone and Telegraph Company. (See Zobel, Otto J., assignor.)
 American Temperature Indicating Company. (See Kuhlman, Carl H., assignor.)
 American Textile Company. (See Ball, Ben A., assignor.)
 American Thermos Bottle Company, The. (See Wetmore, Miner P., assignor.)
 American Thread Company, The. (See Clark, Robert K., assignor.)
 American Throttle Company. (See McKee, Neal T., assignor.)
 American Throttle Company. (See Scott, James K., assignor.)
 American Throttle Company. (See Williams, Arthur, assignor.)
 American Tin Company. (See Connor, William M., assignor.)
 American Tobacco Company, The. (See Hermani, Henry, assignor.)
 American Tobacco Company, The. (See Penn, Charles A., assignor.)
 American Tool & Machine Company. (See Arnold, Henry F., assignor.)
 American Tool Works Company, The. (See Sosa, A. M., and Hoelscher, assignors.)
 American Tubular Elevator Company. (See Connely, B. W., and Haller, assignors.)
 American Turpentine & Tar Company et al. (See Smith, Eugene B.)
 American Type Founders Company. (See Ackley, Amos, assignor.)
 American Type Founders Company. (See Benton, Linn B., assignor.)
 American Type Founders Company. (See Buchanan, W. C., and Tourjee, assignors.)
 American Type Founders Company. (See Haynes, Merritt W., assignor.)
 American Type Founders Company. (See Kelly, William M., assignor.)
 American Utensil Company. (See Schaefer, Frank M., assignor.)
 American Valve & Enameling Corporation. (See Wulf, Charles A., assignor.)
 American Valve and Meter Company, The. (See McGarry, John T., assignor.)
 American Valve and Meter Company, The. (See Umholtz, R. B., and Birmingham, assignors.)
 American Voith Contact Co. (See Lang, Richard T., assignor.)
 American Voith Contact Company. (See Thaler, Wilhelm, assignor.)
 American Welding Company. (See Merriam, Henry P., assignor.)
 American Welding Company. (See Rowland, Charles L., assignor.)
 American Welding & Manufacturing Co., The. (See Schoff, A. L., and Meyer, assignors.)
 American Well Works, The. (See Fabrin, Axel O., assignor.)
 American Well Works, The. (See Sperry, John B., assignor.)
 American Window Shade Machine Co. Inc. (See Mathewson, Wilfred B., assignor.)
 American Woodlite Corporation. (See Caughlan, Martha W., assignor.)
 American Woodlite Corporation. (See Pagendarm, John F., assignor.)
 American Woolen Company. (See Garth, H., Longbottom, Burns, and Just, assignors.)
 American Writing Paper Company. (See Fay, Robert C., assignor.)
 American Writing Paper Company. (See Johnston, James T., assignor.)
 Ames, Adelbert, jr., Tewksbury, Mass. Art of and apparatus for motion-picture photography. 1,783,399; Dec. 2.
 Ames, Adelbert, jr., and C. A. Proctor, Hanover, N. H. Image modifier. 1,773,335; Aug. 19.
 Ames, Arthur R., La Grange, Ill. Traffic signal. 1,756,144; Apr. 29.
 Ames, Bliss C., Corona, Calif. Fruit clipper. 1,755,417; Apr. 22.
 Ames, Butler, Lowell, Mass. Heterodyning horn. 1,778,206; Oct. 14.
 Ames, Caroline F., administratrix. (See Ames, Elmer U.)
 Ames, Edgar, et al. (See Bjork, Carl, assignor.)
 Ames, Elmer U., deceased, Collingswood, by C. F. Ames, administratrix. Haddonfield, N. J. Knitting machine. Re17,705; June 17.
 Ames, Elmer U., deceased, Collingswood, by C. F. Ames, administratrix. Haddonfield, N. J. Knitting machine. 1,780,328; Nov. 4.
 Ames, Glen B., Brooklyn, assignor to Louis H. Morin, New York, N. Y. Electric heat-treating apparatus and process. 1,769,407; July 1.
 Ames, James W., Beaumont, Tex. Dispensing and vending machine. 1,744,603; Jan. 21.
 Ames, James W., Montclair, N. J. Floor mat. 1,779,414; Oct. 28.
 Ames, John W., Wilmington, Del. Cork remover. 1,747,099; Feb. 11.
 Ames, Lewis G., and R. C. Browne, assignors to Richardson Corporation, Rochester, N. Y. Beverage dispenser. Des. 80,768; Mar. 25.
 Ames, Louis A., New York, N. Y. Flag holder. 1,744,196; Jan. 21.
 Ames, Shirley L., Newtonville, Mass., and H. Laughlin, Los Angeles, Calif., assignors to Chem-Electric Engineering Corporation. Dehydrating apparatus and method. 1,770,120; July 8.
 Ames Shovel & Tool Company. (See Stauter E., and Kimerer, assignors.)
 Ames, Warren, Newton, Mass. Gauge. Des. 81,221; May 27.
 Amico Company, The. (See Koplin, Harry, assignor.)
 Amidon, Norman S., Lapeer, Mich. Storage battery. 1,745,825; Feb. 4.
 Amiesite Asphalt Company of America. (See Hepburn, Donald M., assignor.)
 Amiesite Asphalt Company of America. (See Hepburn, D. McK., and Sadler, assignors.)
 Amiesite Asphalt Company of America. (See Sadler, Samuel S., assignor.)
 Amitin, Alexander. (See Appleman, Charles H., assignor.)
 Amler, Jaroslav, Stamford, Conn. Automobile trap bumper. 1,783,066; Nov. 25.
 Ammann, Georg, Neuenhof, and J. Kübler, Mannsbeweg, Baden, assignors to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Pressure-applying device for two or more concentric transformer windings. 1,775,015; Sept. 2.
 Ammon, Charles D., Lincoln, Nebr. Hammer-mill feed grinder. 1,752,290; Apr. 1.
 Ammon, Charles D., and E. W. Wilcox, Lincoln, Nebr.; said Wilcox assignor to said Ammon. Feed grinder. 1,752,971; Apr. 1.
 Amon, Joseph, Rahway, N. J. Thread-moistening device. 1,760,032; May 27.
 Amonsén, George H., Minneapolis, Minn. Driving mechanism for machines. 1,752,411; Apr. 1.
 Amores, Rosa M., Washington, D. C. Garment hanger. 1,743,950; Jan. 14.
 Amos, John A., assignor to The Pyle-National Company, Chicago, Ill. Electric switch. 1,777,067; Sept. 30.
 Amos, Otto A., Chicago, Ill. Air valve. 1,762,148; June 10.
 Amrad Corporation, The. (See Randall, Eugene F., assignor.)
 Amrad Corporation, The. (See Woodhull, Samuel T., assignor.)
 Amrein, August, St. Petersburg, Fla. Shade or blind. 1,749,556; Mar. 4.
 Amrhein, Adam, assignor of one-half to E. Glanz, Munich, Germany. Car coupling. 1,764,594; June 17.
 Amsden, Albert W., assignor to The L. S. Starrett Company, Athol, Mass. Feeler gauge. 1,744,856; Jan. 28.
 Amsler, Alfred J., Schaffhausen, Switzerland. Machine for generating torsional moments, particularly for testing purposes. 1,760,033; May 27.
 Amsler, Alfred J., Schaffhausen, Switzerland. Testing machine. 1,780,696; Nov. 4.
 Amsler, Alfred J., Schaffhausen, Switzerland. Hydraulic press particularly for testing materials. 1,782,595; Nov. 25.
 Amstutz, Noah S., Valparaiso, Ind. Folding bookrack. 1,751,677; Mar. 25.
 Amstutz, Noah S., Valparaiso, Ind. Automatic engraving. 1,768,729; July 1.
 Amstutz, Willis J., Latty, Ohio. Vacuum brush. 1,786,384; Dec. 23.
 Amundsen, Ivar, Oslo, Norway. Refrigerating plant. 1,776,744; Sept. 23.
 Amundsen, Ivar, Oslo, Norway. Refrigerating plant. 1,776,745; Sept. 23.
 Amy, Aceves & King, Inc. (See Amy, Ernest V., assignor.)
 Amy, Ernest V., assignor to Amy, Aceves & King, Inc., New York, N. Y. Absorption of sound. 1,782,399; Nov. 25.
 Amyot, Joseph E., assignor to R. C. Stratton, Providence, R. I., as trustee. System of and apparatus for signaling. 1,746,921; Feb. 11.
 Anaconda Copper Mining Company. (See Carstens, Carl E., assignor.)
 Anaconda Copper Mining Company. (See Frick, Frederick F., assignor.)
 Anaconda Copper Mining Company. (See Garred, Ulysses A., assignor.)
 Anaconda Copper Mining Company. (See Laist, Alex, assignor.)
 Anaconda Sales Company. (See Macan, H. C., Yates, and Shakespeare, assignors.)

- Anaconda Sales Company. (See Robinson, Thomas, assignor.)
- Anchacles, Sarantos, Whiting, Ind. Attachment for vehicles. 1,748,694; Feb. 25.
- Anchelevich, Max, Cincinnati, Ohio. Leak-tester cap for automobile radiators. 1,782,496; Nov. 25.
- Anchor Cap & Closure Corporation. (See Carr, Harold J., assignor.)
- Anchor Cap & Closure Corporation. (See Jaeger, Max, assignor.)
- Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)
- Anchor Cap & Closure Corporation. (See Scofield, Edgar, assignor.)
- Anchor Cap and Closure Corporation. (See Wieland, Frederick G., assignor.)
- Anchor Corrugating Construction Co. (See Braunstein, Achille, assignor.)
- Anciens Etablissements Barbier Benard et Turenne, Societe Anonyme. (See Benard, Henri L. M. J., assignor.)
- Anciens Etablissements R. Cornely & Cie. (Societe Anonyme). (See Morel, Félix, assignor.)
- Ancira, Gonazalo, Houston, Tex. Sundial. 1,782,114; Nov. 18.
- Ancla, Rufino M., New York, N. Y. Bill holder. 1,761,809; June 3.
- Andelin, Anton E., Bromarf, Bjorknas, Finland, assignor to Finska Forcit-Dynamit Aktiebolaget, Hango, Finland. Method and apparatus for forming plastic explosives into strings. 1,756,328; Apr. 29.
- Anderau, Walter. (See Straub, F., and Anderau.)
- Anderberg, Anders and E. A., Malmö, assignors to Carl Holmbergs Mekaniska Verkstads Aktiebolag, Lund, Sweden. Railway brake operated by fluid pressure. 1,748,821; Feb. 25.
- Anderberg, Erik A. (See Anderberg, Anders and E. A.)
- Anderegg, Gustavus A., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling conductor. 1,756,274; Apr. 29.
- Anderegg, Joseph C., assignor to Algoma Net Company, Inc., Algoma, Wis. Combined crib and swing. 1,746,098; Feb. 4.
- Anders, Otto, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 1,753,279; Apr. 8.
- Andersen, Anders N., Hokksund, Norway. Boat, canoe, and other craft, aeroplane body, and the like, and manufacturing same. 1,746,755; Feb. 11.
- Andersen, Anders P., Copenhagen, Denmark. Crusher head for homogenizing apparatus. 1,771,369; July 22.
- Andersen, Carl A. J., Salt Lake City, Utah. Beet topper. 1,752,285; Apr. 1.
- Andersen, Clarence B., Menasha, Wisc. Forming paper rolls. 1,779,578; Oct. 28.
- Andersen, Eli F., Arnold, and J. E. Sharp, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Closure seal. 1,764,864; June 17.
- Andersen, Felix F., Oslo, Norway. Pneumatic vehicle wheel. 1,768,876; July 1.
- Andersen Foundry Company. (See Andersen, F. C., and Bird, assignors.)
- Andersen Frame Corporation. (See Andersen, Fred C., assignor.)
- Andersen, Fred C., Bayport, Minn. Window and door frame. Re17,552; Jan. 7.
- Andersen, Fred C., assignor to Andersen Frame Corporation, Bayport, Minn. Window and door frame. 1,767,569; June 24.
- Andersen, Fred C., and C. P. Bird, assignors to Andersen Foundry Company, Bayport, Minn. Sash pulley. 1,756,719; Apr. 29.
- Andersen, Fred C., and C. P. Bird, assignors, by mesne assignments, to Andersen Foundry Company, Bayport, Minn. Sash pulley. 1,756,720; Apr. 29.
- Andersen, Georg, Oslo, Norway. Nonreturn valve. 1,754,975; Apr. 15.
- Andersen, Harry A., assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Drink mixers. 1,762,376; June 10.
- Anderson, Johan M., Brookline, assignor to Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Circuit-controlling apparatus. 1,746,234; Feb. 11.
- Anderson, Johan M., Brookline, assignor to Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Electric switch. 1,774,627; Sept. 2.
- Anderson, Johan M., Brookline, assignor to Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Manhole switch. 1,774,628; Sept. 2.
- Andersen, Lauritz W., Waterbury, Conn. Desk lamp. Des. 81,517; July 8.
- Andersen, Lauritz W., Waterbury, Conn. Bouquet pin. 1,784,565; Dec. 9.
- Andersen, Oscar W., Oak Park, assignor to Pettibone Muliken Company, Chicago, Ill. Abutment-equipped rod. 1,779,204; Oct. 21.
- Andersen, Waldemar F., Alameda, Calif. Advertising machine. 1,764,141; June 17.
- Anderson, Abner L. (See Heston, L. R., and Anderson.)
- Anderson, Adolph E. and A., Lindsborg, Kans. Guard. 1,752,221; Mar. 25.
- Anderson, Adolph L., Zumbrota, Minn. Door and lintel for silos. 1,749,687; Mar. 4.
- Anderson, Albert E., Milwaukee, Wis. Metallic shield for stoves. 1,764,595; June 17.
- Anderson, Albert & J. M., Manufacturing Company. (See Andersen, Johan M., assignor.)
- Anderson, Albert & J. M., Manufacturing Company. (See Sanderson, Clarence H., assignor.)
- Anderson, Alexander, Fullerton, Calif. Borehole directional apparatus and method of orientation. 1,770,224; July 8.
- Anderson, Alfred. (See Anderson, Adolph E. and A.)
- Anderson, Andrew G., Wollaston, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener unit. 1,755,157; Apr. 15.
- Anderson, Anton E., London, England; G. Maiuri, Turin, Italy; and R. F. Bossini, Hayes, England. Refrigerating apparatus. 1,758,099; May 13.
- Anderson, Arvid E., Lansdowne, Pa., assignor to General Electric Company. System of electric distribution. 1,743,748; Jan. 14.
- Anderson, Arvid E., Lansdowne, Pa., assignor to General Electric Company. Automatic reclosing-circuit-breaker system. 1,745,139; Jan. 28.
- Anderson, Arvid E., Lansdowne, Pa., assignor to General Electric Company. Automatic reclosing circuit breaker system. 1,749,688; Mar. 4.
- Anderson, Arvid E., Lansdowne, Pa., assignor to General Electric Company. System of electric distribution. 1,751,380; Mar. 18.
- Anderson, Arvid E., Lansdowne, Pa., assignor to General Electric Company. Automatic switching system. 1,756,844; Apr. 29.
- Anderson, Arvid E., Lansdowne, Pa., assignor to General Electric Company. Control system. 1,773,022; Aug. 12.
- Anderson, Arvid E., Scotia, N. Y., assignor to General Electric Company. Control system. 1,780,664; Nov. 4.
- Anderson, Arvid E., Scotia, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,784,651; Dec. 9.
- Anderson, Arvid E., Lansdowne, and F. D. King, Brookline, Pa., assignors to General Electric Company. Automatic switching system. 1,786,326; Dec. 23.
- Anderson, Asbery J. (See Potts, Oscar L., assignor.)
- Anderson, August, Shoshoni, Wyo. Wire stretcher. 1,751,381; Mar. 18.
- Anderson, Augustus L., Brooklyn, N. Y., assignor to Presto Primer and Reducing Valve Corporation. Reducing valve. 1,752,473; Apr. 1.
- Anderson, Axel H. (See Steiner, F. M., and Anderson.)
- Anderson-Barngrover Mfg. Co. (See Hansen, Oswald H., assignor.)
- Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
- Anderson Brass Works, Inc. (See Schuler, Robert E., assignor.)
- Anderson, Calvert E., Rockport, Ind. Clamp. 1,744,197; Jan. 21.
- Anderson, Carl A., and J. C. Osborn, St. Joseph, Mich., assignors to Reliance Elevator Company, Chicago, Ill. Electric switch. 1,754,494; Apr. 15.
- Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Stand. 1,780,163; Nov. 4.
- Anderson, Carl E., Stratford, and W. H. Keefe, jr., assignors to The Bryant Electric Company, Bridgeport, Conn. Circuit breaker. 1,763,384; June 10.
- Anderson, Carl F., Brookfield, and R. W. Janda, Berwyn, assignors to Conlon Corporation, Cicero, Ill. Switch. 1,745,288; Jan. 28.
- Anderson, Carl F., Brookfield, and R. W. Janda, Berwyn, assignors to Conlon Corporation, Cicero, Ill. Table structure. 1,762,605; June 10.
- Anderson, Carl G., assignor to S. H. Reynolds Sons Company, Boston, Mass. Machine for shaping hollow metal blanks. 1,766,700; June 24.
- Anderson, Carl J., Chicago, Ill. Contact closer. 1,764,819; June 17.
- Anderson, Carl J., Chicago, Ill. Motor-controlling device. 1,780,612; Nov. 4.
- Anderson, Carl L., et al. (See Swenson, Carl E., assignor.)
- Anderson, Carl L., assignor to Mechanics Universal Joint Company, Rockford, Ill. Universal joint. 1,746,980; Feb. 11.
- Anderson, Carl O., St. Paul, Minn. Shaft bearing. 1,746,981; Feb. 11.
- Anderson, Carter H., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Treating metals. 1,752,474; Apr. 1.
- Anderson, Charles, Rochester, N. Y. Device for measuring the load on vehicles. 1,763,636; June 17.
- Anderson, Charles A., Chicago, Ill. Pump or engine construction. 1,755,169; Apr. 22.
- Anderson, Charles A., Los Angeles, Calif. Apparatus for exhausting wells. 1,756,500; Apr. 29.
- Anderson, Charles A., Oakland, Calif. Apparatus for exhausting wells. 1,771,988; Aug. 5.
- Anderson, Charles D., Chicago, Ill. Cover. 1,767,501; June 24.
- Anderson, Charles H., Lexington, Ky. Internal-combustion engine. 1,781,042; Nov. 11.
- Anderson, Charles M., Salt Lake City, Utah. Meter. 1,751,021; Mar. 18.
- Anderson, Charles W., Milan, Ohio. Steering range for automobiles. 1,753,194; Apr. 8.

- Anderson, Christopher J., assignor to Blazek Cold Storage Door Company, Chicago, Ill. Door reenforcing device. 1,778,013; Oct. 14.
- Anderson, Clarence A., assignor, by mesne assignments, to American Electric Company, Inc., Chicago, Ill. Test set. 1,778,207; Oct. 14.
- Anderson, Clifford E., Brainerd, Minn. Can-top lock. 1,780,575; Nov. 4.
- Anderson, Clifford N. (See Dean, S. W., and Anderson.)
- Anderson Company, The. (See Lach, John J., assignor.)
- Anderson Co., The. (See Smulski, Theodore J., assignor.)
- Anderson, D., & Sons Limited. (See Child, Reginald O., assignor.)
- Anderson, Daniel G. (See Krick, G. W., and Anderson.)
- Anderson, David E., Detroit, Mich. Dual intake manifold. 1,761,958; June 3.
- Anderson, David E., Detroit, Mich. Crank-case-ventilating system. 1,761,959; June 3.
- Anderson, David E., St. Paul, Minn. Frog point. 1,760,465; May 27.
- Anderson, E. D., Inc. (See Hendry, William F., assignor.)
- Anderson, Earl R. (See Thompson, A. R., and Anderson.)
- Anderson, Earl R., Los Angeles, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitter. 1,784,998; Dec. 16.
- Anderson, Earl R., Los Angeles, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit-pitting apparatus. 1,784,999; Dec. 16.
- Anderson, Earl W., Spokane, Wash. Adjustable safety razor. 1,748,376; Feb. 25.
- Anderson, Edmund A., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Zinc-base die-casting alloy. 1,779,525; Oct. 28.
- Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Radiator. 1,752,879; Apr. 1.
- Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Blower. 1,787,062; Dec. 30.
- Anderson, Edward V., Bellevernon, assignor of one-half to C. E. Golden, Crafton, Pa. Cushioned coke-quenching valve. 1,767,037; June 24.
- Anderson, Edward V., Bellevernon, assignor to one-half to C. E. Golden, Crafton, Pa. Balanced coke-quenching valve. 1,767,038; June 24.
- Anderson, Edward V., Bellevernon, assignor of one-half to C. E. Golden, Crafton, Pa. Standpipe valve. 1,767,039; June 24.
- Anderson, Einar A., Minneapolis, Minn. Direction signal for vehicles. 1,771,566; July 29.
- Anderson, Eli J., Gordon, Nebr. Hay needle. 1,774,691; Sept. 2.
- Anderson, Ellis B., Memphis, Tenn. Automobile handling device. 1,786,282; Dec. 23.
- Anderson, Emil C., Downers Grove, Ill. Locomotive cylinder head. 1,743,908; Jan. 14.
- Anderson, Emil C., Downers Grove, Ill., assignor to The Wine Railway Appliance Company. Car-door supporting and locking mechanism. 1,772,739; Aug. 12.
- Anderson, Ernest D. (See Aulbach, C. J., and Anderson.)
- Anderson, Ernest D., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Garment press. 1,760,679; May 27.
- Anderson, Ernest O., San Jose, Calif. Tire-pressure gauge. 1,745,202; Jan. 28.
- Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Combined cord reel and conductor distributor. 1,747,411; Feb. 18.
- Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Strap clamp terminal. 1,748,564; Feb. 25.
- Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Fastening elements to walls. 1,758,387; May 13.
- Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Electrical ground connection. 1,772,976; Aug. 12.
- Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Ground connection. 1,776,212; Sept. 16.
- Anderson, Ernst G. K., Evanston, and N. A. Tornblom, Chicago, Ill., assignors to Appleton Electric Company. Refillable fuse. 1,744,019; Jan. 14.
- Anderson, Ernst G. K., Evanston, and N. A. Tornblom, Chicago, Ill., assignors to Appleton Electric Company. Fuse device. 1,744,020; Jan. 14.
- Anderson, Eugene, New York, N. Y., assignor of part interest to himself, H. W. Gilbert, S. C. Dretzin, and S. C. Dretzin, agent. Head or hat supported umbrella. 1,772,740; Aug. 12.
- Anderson, Everett G., Des Moines, Iowa. Tip-back cap for milk bottles. 1,770,057; July 8.
- Anderson Foundry Company. (See Peterson, H. F., and Bird, assignors.)
- Anderson, Frank E., Brooklyn, N. Y. Wheel. 1,765,858; June 24.
- Anderson, Frank E., assignor to The Columbus Sucker Rod Company, Columbus, Ohio. Rod coupling. 1,772,174; Aug. 5.
- Anderson, Fred M., New Orleans, La. Electric power circuit control system. 1,783,067; Nov. 25.
- Anderson, Fred O., Minneapolis, Minn. Brush. 1,759,216; May 20.
- Anderson, Frederick V. and R. T., assignors to The V. D. Anderson Company, Cleveland, Ohio. Screw press. 1,750,916; Mar. 18.
- Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Exercising and massaging machine casing. Des. 81,222; May 27.
- Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Table-type therapeutic lamp. Des. 81,516; July 8.
- Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Table therapeutic lamp. Des. 82,775; Dec. 9.
- Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Floor-type therapeutic lamp. Des. 82,776; Dec. 9.
- Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Support. 1,754,006; Apr. 8.
- Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Therapeutic apparatus. 1,755,418; Apr. 22.
- Anderson, George C., assignor to Cope-Swift Company Incorporated, Detroit, Mich. Plate for burners. 1,780,896; Nov. 11.
- Andersen, George F., assignor to Weltha Process Corporation, Seattle, Wash. Working natural sodium sulphate deposits. 1,751,901; Mar. 25.
- Anderson, George W., et al. (See Wells, Don W., assignor.)
- Anderson, Gordon R., Indianapolis, Ind., assignor to Fairbanks, Morse & Co., Chicago, Ill. Brush lifter for electric motors. 1,764,709; June 17.
- Anderson, Gottfried, assignor to H. D. Colman, Rockford, Ill. Closure operator. 1,771,601; July 29.
- Anderson, Gustaf, Lynn, Mass. Internal-combustion engine. 1,756,621; Apr. 29.
- Anderson, Gustaf A., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Locomotive booster. 1,773,214; Aug. 19.
- Anderson, Gustaf E., Brockton, assignor to The Peerless Machinery Company, Boston, Mass. Device for feeding work in circular paths. 1,743,874; Jan. 14.
- Anderson, Gustave H., assignor to The Hart & Hutchinson Company, New Britain, Conn. Gravity hinge. 1,767,111; June 24.
- Anderson, H. Miller, Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Vault release. 1,786,975; Dec. 30.
- Anderson, H. Miller, Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Gas-discharging device for safes. 1,786,976; Dec. 30.
- Anderson, Hans O., Hampton Bays, N. Y. Clam-catching implement. 1,782,497; Nov. 25.
- Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo. Seal for air-brake nonpressure heads. 1,745,345; Feb. 4.
- Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo. Air-brake piston. 1,745,346; Feb. 4.
- Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Co. Kansas City, Mo. Slack adjuster for railway-car-brake equipment. 1,772,433; Aug. 5.
- Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Slack adjuster. 1,772,434; Aug. 5.
- Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Slack adjuster. 1,772,435; Aug. 5.
- Anderson, Harry J. (See Anderson, James B., and H. J.)
- Anderson, Helmer, assignor to General Mills, Inc., Minneapolis, Minn. Bag-sealing machine. 1,772,823; Aug. 12.
- Anderson, Helmer, assignor to General Mills, Inc., Minneapolis, Minn. Bag-closing machine. 1,772,824; Aug. 12.
- Anderson, Helmer, assignor to General Mills, Inc., Minneapolis, Minn. Bag shaker and feeder. 1,781,714; Nov. 18.
- Anderson, Henry G. (See Sladek, L. J., and Anderson.)
- Anderson, Hiram C., New York, N. Y. Punctureproof pneumatic tire. 1,767,502; June 24.
- Anderson, Irvin W. (See Kettmann, A. P., and Anderson.)
- Anderson, Jacob C., Oshawa, Ontario, Canada. Vanity compact. 1,746,810; Feb. 11.
- Anderson, James A., et al. (See Dickson, George A., assignor.)
- Anderson, James A., Minneapolis, Minn. Book end. Des. 81,821; Aug. 19.
- Anderson, James A., Minneapolis, Minn. Book end. Des. 81,822; Aug. 19.
- Anderson, James B., Shaler Township, Allegheny County, Pa. Burner for fluid fuel. 1,746,230; Feb. 11.
- Anderson, James B., assignor of one-fourth to J. J. Gomes, Oakland, Calif. Wing for aircraft. 1,777,279; Oct. 7.
- Anderson, James B. and H. J., Shaler Township, Allegheny County, Pa. Burner. 1,763,289; June 10.
- Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch apparatus and carton-sealing machine. 1,752,139; Mar. 25.
- Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding. 1,761,167; June 3.

- Anderson, Johan A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,777,244; Sept. 30.
- Anderson, John A. (See Hobbs, W. F., and Anderson.)
- Anderson, John A., Chicago, Ill. Harrow. 1,742,678; Jan. 7.
- Anderson, John A., Pittsburgh, Pa., and W. H. Elmes, Toronto, Ontario, Canada. Automatic air control for water-supply systems. 1,749,797; Mar. 11.
- Anderson, John A., assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Valve-spring lifter. 1,770,899; July 22.
- Anderson, John A., assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Screw driver. 1,782,981; Nov. 25.
- Anderson, John C., Keyport, N. J. Endless conveyer. 1,769,818; July 1.
- Anderson, John E. (See Kingsbury, E. J., and Anderson.)
- Anderson, John E., Minneapolis, Minn. Switch for door operators. 1,760,466; May 27.
- Anderson, John E., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill. Repairing furnace linings. 1,765,558; June 24.
- Anderson, John K., Midwest, Wyo. Valve construction. 1,759,081; May 20.
- Anderson, John P., Koppel, assignor, by mesne assignments, to Pressed Steel Car Company, Pittsburgh, Pa. Pressure control and exhaust valve for fluid-pressure-operated railway dump cars. 1,777,821; Oct. 7.
- Anderson, John S., Canby, Minn. Ventilator. 1,774,122; Aug. 26.
- Anderson, John W., Baton Rouge, La. Crate. 1,742,983; Jan. 7.
- Anderson, John W., St. Paul, Minn. Windshield wiper. 1,777,541; Oct. 7.
- Anderson, Josephine. (See Anderson, Olaf A., assignor.)
- Anderson, Karl G., Seattle, Wash. Denture. 1,761,902; June 3.
- Anderson, Lawrence, Fullerton, Nebr. Bill holder and protector. 1,787,335; Dec. 30.
- Anderson, Lennox J. (See Stephens, F. G. C., Anderson, and Cash.)
- Anderson, Lon D., Cross Cut, Tex. Wrench. 1,781,940; Nov. 18.
- Anderson, Lottie E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Crate. 1,772,381; Aug. 5.
- Anderson, Louis A., assignor to R. & G. Company, Attleboro, Mass. Vanity case. 1,782,377; Nov. 18.
- Anderson, Louis S., assignor to Reid, Murdoch & Company, Chicago, Ill. Jar-supporting bracket. 1,778,823; Oct. 21.
- Anderson, Martin J., assignor to Mathews Conveyer Company, Ellwood City, Pa. Conveying apparatus. 1,775,545; Sept. 9.
- Anderson, Martin J., assignor to Mathews Conveyer Company, Ellwood City, Pa. Conveying and spacing apparatus. 1,781,424; Nov. 11.
- Anderson, Martin J., assignor to Mathews Conveyer Company, Ellwood City, Pa. Conveying apparatus for dipping. 1,781,425; Nov. 11.
- Anderson, Nels G., Springfield, Ohio, assignor to International Harvester Company. Hood fastener. 1,751,571; Mar. 25.
- Anderson, Norman T. (See Sweeley, E. A., and Anderson.)
- Anderson, Olaf A., deceased; The Citizens Savings Bank & Trust Company, executor, assignor to J. Anderson, Hamilton, Ohio. Golf-ball holder. 1,754,495; Apr. 15.
- Anderson, Oscar, assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Screen bar for crushing machinery. 1,746,512; Feb. 11.
- Anderson, Ossian, Tumwater, assignor, by mesne assignments, to Puget Sound Pulp and Timber Co., Everett, Wash. Method and apparatus for shredding and drying pulp. 1,774,309; Aug. 26.
- Anderson, Otto A., Chicago, Ill., assignor to Zangerle & Peterson Company. Davenport or like article. Des. 80,769; Mar. 25.
- Anderson, Otto A., Chicago, Ill., assignor to Zangerle & Peterson Company. Davenport or like article. Des. 80,874; Apr. 8.
- Anderson, Perry, Milwaukee, Wis. Toy parachute. 1,780,734; Nov. 4.
- Anderson, Raymond T. (See Anderson, Frederick V. and R. T.)
- Anderson, Raymond T., assignor to The V. D. Anderson Company, Cleveland, Ohio. Press. 1,752,054; Mar. 25.
- Anderson, Raymond T., assignor to The V. D. Anderson Company, Cleveland, Ohio. Press. 1,752,222; Mar. 25.
- Anderson, Raymond T., assignor to The V. D. Anderson Company, Cleveland, Ohio. Producing cereal foods. 1,758,272; May 13.
- Anderson, Raymond T., assignor to The V. D. Anderson Company, Cleveland, Ohio. Press. 1,773,771; Aug. 26.
- Anderson, Raymond T., assignor to The V. D. Anderson Company, Cleveland, Ohio. Feeding mechanism for presses. 1,780,218; Nov. 4.
- Anderson, Raymond T., assignor to The V. D. Anderson Company, Cleveland, Ohio. Press. 1,780,961; Nov. 11.
- Anderson, Rexford O., Seminole; U. S. Rudy, Oklahoma City; and B. M. Gessel, Tulsa, Okla. Cooling tower. 1,785,572; Dec. 16.
- Anderson, Ringhald P. A., Stockholm, Sweden. Telephone. 1,772,198; Aug. 5.
- Anderson, Robert, New York, N. Y. Apparatus for separating comminuted matter. 1,758,422; May 13.
- Anderson, Robert, New York, N. Y. Apparatus for perforating jewelry elements. 1,764,924; June 17.
- Anderson, Robert, New York, N. Y. Brooch clasp. 1,779,957; Oct. 28.
- Anderson, Robert G. (See Jupp, W. B., and Anderson.)
- Anderson, Robert G., Colonie, N. Y., assignor to General Electric Company. Flexible coupling. 1,780,105; Oct. 28.
- Anderson, Robert H., San Diego, Calif., assignor to W. C. Fain, Norfolk, Va. Combination table and seats. 1,768,520; June 24.
- Anderson, Robert J., Sidney, Ohio. Washing machine. 1,755,419; Apr. 22.
- Anderson, Robert J., assignor to Fairmont Manufacturing Company, Fairmont, W. Va. Treating aluminum with halogen gases. 1,743,515; Jan. 14.
- Anderson, Robert J., Whitman, assignor to National Fireworks, Inc., West Hanover, Mass. Mortar shell. 1,756,079; Apr. 29.
- Anderson, Roy N., Clovis, N. Mex. Lister planter. 1,767,910; June 24.
- Anderson, Russell J., assignor to Belle City Malleable Iron Company, Racine, Wis. Skimmer. 1,763,637; June 17.
- Anderson, Samuel D., Grundy Center, Iowa. Check-wire guide for corn planters. 1,757,990; May 13.
- Anderson, Samuel M., Hyde Park, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Propeller fan. 1,781,155; Nov. 11.
- Anderson, Selma, Tacoma, Wash. Sifter. 1,779,579; Oct. 28.
- Anderson, Sidney E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube circuits. 1,743,701; Jan. 14.
- Anderson, Sidney E., Maplewood, N. J., assignor to Western Electric Company, Incorporated. Radio receiving system. 1,762,945; June 10.
- Anderson, Sidney E., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Receiving circuit. 1,745,347; Feb. 4.
- Anderson, Sidney E., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Loop antenna. 1,756,931; May 6.
- Anderson, Swan, et al. (See Pollock, Oscar, assignor.)
- Anderson, Swan F., Rockford, Ill. Refrigerating apparatus. 1,760,621; May 27.
- Anderson, Swan F., Rockford, Ill. Power scraper. 1,767,640; June 24.
- Anderson, Thomas, Houston, Tex. Pipe wrench. 1,774,123; Aug. 26.
- Anderson, Thomas F. (See Carpenter, R. F., and Anderson.)
- Anderson, V. D., Company, The. (See Anderson, Frederick V. and R. T., assignors.)
- Anderson, V. D., Company, The. (See Anderson, Raymond T., assignor.)
- Anderson, V. D., Company. (See Anderson, Raymond T., assignor.)
- Anderson, Victor, North Bergen, N. J., assignor to Alfred Hofmann & Co., West New York, N. J. Automatic stop. 1,774,220; Aug. 26.
- Anderson, Victor H., assignor of one-sixth to G. L. Ratcliffe, South Portland, one-sixth to A. A. Black, one-sixth to N. W. Thompson, and one-sixth to Industrial Development & Manufacturing Corporation, Portland, Me. Valve mechanism for internal-combustion engines. 1,770,665; July 15.
- Anderson, Virgil C., Seattle, Wash. Making tires. 1,744,025; Jan. 21.
- Anderson, Walter B., Maplewood, N. J., assignor to David Lupton's Sons Company, Philadelphia, Pa. Threshold or sill. 1,768,730; July 1.
- Anderson, Walter C., Glen Rock, assignor to Brandes Laboratories, Inc., Newark, N. J. Electromagnetic sound reproducer. 1,777,271; Sept. 30.
- Anderson, Walter C., Glen Rock, assignor to Brandes Laboratories, Inc., Newark, N. J. Electromagnetic sound-reproducing apparatus. 1,779,722; Oct. 28.
- Anderson, Walter E., Pocatello, Idaho. Door latch. 1,763,548; June 10.
- Anderson, Walter S., assignor to E. Holley, Detroit, Mich. Greensand core. 1,771,201; July 22.
- Anderson, William. (See Harman, F. B., and Anderson.)
- Anderson, William, Ferndale, Mich. Wall structure. 1,763,916; June 17.
- Anderson, William, assignor of one-half to D. E. Schrauger, Atlantic, Iowa. Machine for treating fowls in preparation for picking. 1,770,565; July 15.
- Anderson, William K., Cleveland, Ohio. Automobile mirror. 1,749,868; Mar. 11.
- Anderson, William M., assignor of one-half to Arch Hasterman, Brownville, Nebr. Lister attachment for tractors. 1,786,591; Dec. 30.
- Anderson, William T., jr., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Alternating-current vapor electrical device. 1,749,993; Mar. 11.
- Anderson, William T., jr., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Water-cooled mercury-vapor arc lamp. 1,749,994; Mar. 11.
- Anderson, William T., jr., and L. F. Bird, assignors to Hanovia Chemical and Manufacturing Company, Newark, N. J. Securing good electrical contact with crystalline cuprous oxide. 1,749,995; Mar. 11.

- Anderson, William T., jr., and L. F. Bird, assignors to Hanovis Chemical and Manufacturing Company, Newark, N. J. Forming copper copper-oxide rectifier plates. 1,757,284; May 6.
- Anderson, William T., jr., and L. F. Bird, assignors to Hanovia Chemical and Manufacturing Company, Newark, N. J. Cupric-oxide removal. 1,773,160; Aug. 19.
- Anderssen, Walter, St. Louis, Mo. Flask supporter. 1,83,765; Dec. 2.
- Andersson, Ringhald, P. A., Taby, Stockholm, Sweden. Adjustable slicing knife. 1,760,575; May 27.
- Andes Range and Furnace Corp. (See Smith, Fred E., assignor.)
- Anding, Walter J., Columbus, Ohio. Cushion means for shoe shanks. 1,748,377; Feb. 25.
- Andrade, Cipriano, jr., New York, N. Y. Differential. 1,742,679; Jan. 7.
- Andrade, Cipriano, jr., New York, N. Y. Differential. 1,781,996; Nov. 18.
- Andrade, Osvaldo B. (See Pombo, D. M., and Andrade.)
- Andrassy, Joseph, Cleveland, Ohio. Letter box. 1,776,243; Sept. 23.
- André, Henri G., Paris, France. Rectifying apparatus. 1,758,680; May 13.
- André, Henri G., Paris, France. Rectifying apparatus and method of making. 1,764,770; June 17.
- André, Henri G., Paris, France. Alternating-current rectifier. 1,780,056; Oct. 28.
- André, Henri G., Paris, France. Unilateral conductor for rectifying alternating currents. 1,780,057; Oct. 28.
- André, Henri G., Paris, France. Unilateral conductor for rectifying alternating current. 1,782,129; Nov. 18.
- Andre, Joseph M., Montello, Mass. Combination mold and trimmer for rubber heels, soles, and all mechanical molded rubber goods. 1,768,093; June 24.
- Andrea, Charles D., Ozone Park, N. Y. Rest for electric irons. 1,774,541; Sept. 2.
- Andrea, F. A. D., Inc. (See Clement, Lewis M., assignor.)
- Andreas, Arno, Munster, Germany. Screen for disintegrating machines. 1,782,953; Nov. 25.
- Andreason, Alfred C., Oak Park, assignor to Air-Way Pump Company, Chicago, Ill. Hose-end indicator. 1,779,869; Oct. 28.
- Andreianoff, Boris P., Moscow, Union of Soviet Socialist Republics. Device for retaining track rails. 1,770,872; July 15.
- Andreino, Charles, Montreal, Quebec, Canada. Adjustable projector. 1,747,279; Feb. 18.
- Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Attaching tapped nuts to metal plates. Re17,907; Dec. 16.
- Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Crossbar for automobile frames. 1,754,926; Apr. 15.
- Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Automobile frame. 1,754,927; Apr. 15.
- Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Threaded nut for securing metal parts. 1,759,339; May 20.
- Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrically-welded pipe and manufacturing the same. 1,759,427; May 20.
- Andreotti, Italo. (See Pardini, J. A., and Andreotti.)
- Andres, Frank M., Garrett, Ind. Window ventilator. 1,749,093; Mar. 4.
- Andres, Lloyd J., assignor of one-half to E. E. Rullman, Chicago, Ill. Continuous sound-reproducing apparatus. 1,780,414; Nov. 4.
- Andres, Peter, Belding, Mich. Cooling and ventilating apparatus. 1,747,042; Feb. 11.
- Andres, William J., assignor to Bendix Brake Company, South Bend, Ind. Brake-operating mechanism. 1,771,832; July 29.
- Andresen, Adolph C., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Metal-working process and apparatus. 1,753,677; Apr. 8.
- Andresen, George, Chicago, Ill. Refrigerating apparatus. 1,759,534; May 20.
- Andresen, Lauritz B., Minneapolis, assignor to M. F. Patterson Dental Supply Company, St. Paul, Minn. Sterilizer. 1,767,034; June 24.
- Andresen, Lauritz B., Minneapolis, assignor to M. F. Patterson Dental Supply Co., St. Paul, Minn. Centrifugal casting machine. 1,767,035; June 24.
- Andresen, Lauritz B., and C. W. Paulson, Minneapolis, assignors to M. F. Patterson Dental Supply Co., St. Paul, Minn. Centrifugal casting machine. 1,767,036; June 24.
- Address, Cassius C., Philadelphia, Pa. Theater or like chair. 1,743,802; Jan. 14.
- Andrew, Frederick W., Andalusia, and W. Hemingway, jr., Philadelphia, Pa., assignors to The Electrolock Manufacturing Company, Vicksburg, Miss. Ignition-switch lock. 1,753,734; Apr. 8.
- Andrew, Frederick W., Andalusia, Pa., assignor, by mesne assignments, to The Electrolock Manufacturing Company, Vicksburg, Miss. Electric switch. 1,764,596; June 17.
- Andrew, Harry R., Roswell, N. Mex. Stabilizer for road-maintainer machines. 1,742,799; Jan. 7.
- Andrew, Harry R., Roswell, N. Mex. Road-clearing device. 1,745,970; Feb. 4.
- Andrew, Harry R., Roswell, N. M. Road-grading device. 1,756,329; Apr. 29.
- Andrew, John H. (See Glawe, A. A., Eyraud, and Andrew.)
- Andrew, Richard E., Philadelphia, Pa. Toy. 1,759,181; May 20.
- Andrew, Thomas E., and M. Langstreth, Rochdale, assignors to Dunlop Cotton Mills Limited, London, England. Machine for spinning, doubling, twisting, and the like yarns, fibers, and the like. 1,750,153; Mar. 11.
- Andrew, Thomas E., and M. Langstreth, Rochdale, England, assignors to Dunlop Cotton Mills Limited, London, England. Machine for spinning, doubling, twisting, and the like yarns, fibers, and the like. 1,772,766; Aug. 12.
- Andrew, William K., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Clamping device. 1,770,058; July 8.
- Andrews, Alfred J., trustee. (See Pogue, Charles N., assignor.)
- Andrews, Bernard R., Braintree, Mass. Drying apparatus. 1,776,609; Sept. 23.
- Andrews, Bernard R., Braintree, Mass. Heat-insulating panel. 1,776,610; Sept. 23.
- Andrews, Champe S., North Chattanooga, Tenn., assignor to Box Blank Corporation, New York, N. Y. One-piece box. 1,787,030; Dec. 30.
- Andrews, Charles, jr., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Beater. 1,764,597; June 17.
- Andrews, Charles A. (See Votaw, C. L., and Andrews.)
- Andrews, Charles J., San Diego, Calif. Remote lock and control means for doors. 1,755,585; Apr. 22.
- Andrews, Charles W. (See Brassert, H. A., Hulse, and Andrews.)
- Andrews, Charles W., assignor to H. A. Brassert & Company, Chicago, Ill. Checker brick. 1,771,242; July 22.
- Andrews, Charles W., J. P. Grilli, H. L. Wetherbee, and C. E. Dougan, assignors to H. A. Brassert & Company, Chicago, Ill. Checkerwork construction. 1,771,282; July 22.
- Andrews, Clarence W., Burlington, N. C. Treating cotton and other vegetable pulps or fibers of a porous absorbing nature. 1,784,566; Dec. 9.
- Andrews, Clifton C., Shaker Heights, Ohio. Loose-leaf binder. 1,754,664; Apr. 15.
- Andrews, David E., assignor of sixty one-hundredths to W. L. Stone, Detroit, Mich. Apparatus for forming hollow articles of cementitious material. 1,786,385; Dec. 23.
- Andrews, Dennis C., assignor to The Northwest Paper Company, Cloquet, Minn. Bleaching pulp. 1,782,800; Nov. 25.
- Andrews, Edward F., Chicago, Ill. Radiocabinet. Des 82,363; Oct. 28.
- Andrews, Edward F., Chicago, Ill. Portable loop aerial. 1,755,530; Apr. 22.
- Andrews, Frank M., et al. (See Funk, William G., assignor.)
- Andrews, Frank W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Alloys. 1,743,303; Jan. 14.
- Andrews, Frank W., Fort Wayne, Ind. Automatic electric heating apparatus. 1,753,190; Apr. 8.
- Andrews, Frank W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,556; July 1.
- Andrews, Frank W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,557; July 1.
- Andrews, Frank W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,558; July 1.
- Andrews, Frank W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,559; July 1.
- Andrews, Franklin O., Willoughby, and L. Steinfurth, Cleveland, assignors to The Economy Engineering Company, Willoughby, Ohio. Combined automatic bolt pointing and threading machine. 1,762,649; June 10.
- Andrews, George W., jr., Vernon, Conn. Machine for lapping and the like. 1,758,100; May 13.
- Andrews-Hammond Corporation, The. (See Hammond, Laurens, assignor.)
- Andrews, Humfrey, London, England. Rectifier choke coil. 1,774,822; Sept. 2.
- Andrews, J. Lewis, Elmwood Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Vacuum fuel-feed device. 1,780,290; Nov. 4.
- Andrews, John, Elizabeth, Pa. Aeroplane. 1,743,516; Jan. 14.
- Andrews, John H. P., assignor to H. D. Harvey, Baltimore, Md. Rotary pump. 1,742,890; Jan. 7.
- Andrews, Lionel T., North Jamaica, assignor to E. R. Squibb & Sons, New York, N. Y. Stable effervescent composition. 1,764,996; June 17.
- Andrews, L. V., assignor to Riley Stoker Corporation, Worcester, Mass. Burning powdered fuel. 1,762,462; June 10.
- Andrews, L. V., assignor to Riley Stoker Corporation, Worcester, Mass. Pulverizing apparatus. 1,763,496; June 10.
- Andrews, Neal R., assignor to Marinello Company, New York, N. Y. Jar or similar receptacle. Des. 80,933; Apr. 15.

- Andrews, Paul D., Schenectady, N. Y., assignor to General Electric Company. Radio transmitting system. 1,758,816; May 13.
- Andrews, Robert H., assignor of forty-nine one-hundredths to Elsworth Maxfield, Oakland, Calif. Ant-poison feeder. 1,769,408; July 1.
- Andrews, Robert M., New York, N. Y. Tie hanger. 1,770,190; July 8.
- Andrews, Roger W. (See Bradshaw, G. D., and Andrews.)
- Andrews, Roger W., Pittsburgh, assignor, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,754,479; Apr. 15.
- Andrews, Roger W., Pittsburgh, assignor, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,761,168; June 3.
- Andrews, Roger W., Pittsburgh, assignor, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,761,169; June 3.
- Andrews, Roger W., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,761,170; June 3.
- Andrews, Roger W., Pittsburgh, assignor, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,772,023; Aug. 5.
- Andriessen, William A. (See Maher, H. L., and Andrews.)
- Andriessen, Jacobus C. (See Marchand, J. J. M. L., and Andriessen.)
- Andriulli, Angelo, Jersey City, N. J. Electric water heater. 1,759,774; May 20.
- Andrusis, John A., Brooklyn, N. Y. Vegetable grater. 1,756,779; Apr. 29.
- Andrusis, John A., Brooklyn, N. Y. Vegetable slicer. 1,768,094; June 24.
- Anenberg, Solomon, assignor of $\frac{1}{2}$ to O. E. Richardson, Naugatuck, Conn. Humidifier. 1,777,820; Oct. 7.
- Anetsberger, Frank A., and W., Chicago, Ill. Bread-raising cabinet. 1,769,048; July 1.
- Anetsberger, Frank A., and W., Chicago, Ill. Humidifying apparatus for proof boxes and the like. 1,742,842; Jan. 7.
- Anetsberger, William. (See Anetsberger, Frank A. and W.)
- Anfinrud, Arthur R., Los Angeles, Calif. Shade guide. 1,743,517; Jan. 14.
- Angel, Herbert, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Preventing distorted signals and wandering zero in cable telegraphy. 1,747,853; Feb. 18.
- Angell, Augusta, Milwaukee, Wis. Splash shield. 1,742,748; Jan. 7.
- Angell, Edward C., New York, N. Y. Apparatus for filling containers. 1,743,304; Jan. 14.
- Angell, Edward C., New York, N. Y. Apparatus for sealing paper containers. 1,775,113; Sept. 9.
- Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Light projector. 1,779,997; Oct. 28.
- Angell, Robert H. (See Adams, Edgar L., assignor.)
- Angelos, George, Streator, Ill. Casing for an agitator. Des. 80,351; Jan. 21.
- Angert Brothers. (See Angert, George H., assignor.)
- Angert, George H., assignor to Angert Brothers, Cincinnati, Ohio. Table. 1,781,043; Nov. 11.
- Angier, Clarence V., jr., Atlanta, Ga. Traffic-line marking and stenciling machine. 1,783,689; Dec. 2.
- Anglada, Joseph A., Jenkintown, Pa. Multiple-speed mechanism. 1,769,614; July 1.
- Angle, Glenn D., assignor to The Le Blond Aircraft Engine Corporation, Cincinnati, Ohio. Valve-mechanism housing. 1,752,055; Mar. 25.
- Angle, Glenn D., Cincinnati, Ohio. Multicylinder irregular X type engine. 1,772,124; Aug. 5.
- Anglemyer, Herman B., Calexico, assignor of one-tenth to J. A. Allard, jr., one-fourth to A. M. Lichty, one-fourth to B. C. Shepherd, one-eighth to M. W. Zander, and one-sixteenth to I. H. Van Cleave, Pomona, Calif. Automotive air-cleansing device. 1,781,742; Nov. 18.
- Anglo Display Fixture Co. (See Brownstein, Jacob.)
- Anglo-Persian Oil Company. (See Thole, F. B., and Card, assignors.)
- Angus, Joseph A., Caulfield, Victoria, Australia. Apparatus for manufacturing bottles and like articles of glassware. 1,775,381; Sept. 9.
- Anheuser-Busch, Incorporated. (See Bratton, George S., assignor.)
- Animal Trap Company of America. (See Carr, N. R., and Miller, assignors.)
- Animated Book Match Corporation. (See Goldberg, Maurice M., assignor.)
- Animated Color Advertising, Inc. (See Craig, Richard M., assignor.)
- Aniol, John F., Chicago, Ill. Vehicle lamp. 1,781,865; Nov. 18.
- Anjou, Axel A. (See Törneman, Y., and Anjou.)
- Anker-Holth, Severin C., Los Angeles, Calif. Flying machine. 1,781,910; Nov. 18.
- Anko Chimney Cleaning Machine Company. (See Kohl, Paul, assignor.)
- Année, Louis, Detroit, assignor of one-half to R. Gaul, Milford, Mich. Polishing and cleaning composition. 1,768,970; July 1.
- Annen, James E. (See Frostad, G. O., and Annen.)
- Annen, James E., assignor to The National Paper Can Company, Milwaukee, Wis. Container. 1,775,416; Sept. 9.
- Annette's Perfect Cleanser Co. (See Jennings, Annette R., assignor.)
- Annis, Emmett F., Los Angeles, assignor to H. C. Chappell, Glendale, Calif. Air filter. 1,779,458; Oct. 28.
- Anoilcoal Burner Co., The. (See Wetmore, Earl P., assignor.)
- Anostchenko, Nikolai D., Moscow, Union of Socialist Soviet Republics. Motion-picture apparatus. 1,786,977; Dec. 30.
- Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Receptacle for holding volatile liquids. 1,745,466; Feb. 4.
- Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Venting device. 1,757,285; May 6.
- Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Gauge. 1,767,641; June 24.
- Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Tank fitting. 1,767,642; June 24.
- Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Liquid-level indicator. 1,768,946; July 1.
- Ansel, Harry R. (See Creamer, S. B., and Ansel.)
- Anson, Warren J., assignor to F. N. Evans, Big Springs, Tex. Separator. 1,773,286; Oct. 14.
- Ansonia O & C Company, The. (See Clauss, George E., assignor.)
- Antstiss, George P., Oak Park, assignor to G. S. Blakeslee & Co., Cicero, Ill. Apparatus for washing antifriction bearings. 1,766,208; June 24.
- Anthony, Alice, Sterling, Ill. Darning support. 1,765,961; June 24.
- Anthony Company. (See Anthony, William C., assignor.)
- Anthony Company, The. (See Morse, A. W., and Wollheim, assignors.)
- Anthony Company, The. (See Wollheim, Walter E., assignor.)
- Anthony, Joseph W., Lynn, Mass. Folding machine. 1,777,155; Sept. 30.
- Anthony, Leon P., assignor of fifty per cent to M. A. Reynolds, Los Angeles, Calif. Steam-press-head construction. 1,754,665; Apr. 15.
- Anthony, Leon P., assignor of fifty-five per cent to R. W. Reynolds, Los Angeles, Calif. Nut-cracking machine. 1,763,875; June 17.
- Anthony, Stanley, Boston, Mass. Card index. 1,744,093; Jan. 21.
- Anthony, Stanley, Boston, Mass. File. 1,744,094; Jan. 21.
- Anthony, Stanley, Boston, Mass. File. 1,755,760; Apr. 22.
- Anthony, Thomas P., Edgewater Park, N. J. Cupola furnace. 1,747,208; Feb. 18.
- Anthony, William C., assignor to Anthony Company, Streator, Ill. Dumping body. 1,755,803; Apr. 22.
- Antich, Frank, St. Louis, Mo. Life-saving boat. 1,743,270; Feb. 25.
- Anti-Freezer Company. (See Wood, Alfred B., assignor.)
- Antinoro, Angelo, Johnstown, Pa. Barber's-chair attachment. 1,756,112; Apr. 29.
- Antiss, George P., Oak Park, Ill., assignor to G. S. Blakeslee & Co., Cicero, Ill. Water-throwing apparatus for washing machines. 1,761,099; June 3.
- Antizzo, Giuseppe, Brooklyn, N. Y., and G. Latorraca, Newark, N. J. Coin-controlled calling-card box. 1,752,718; Apr. 1.
- Antoine, Alfred D. (See Richardson, M. H., and Antoine.)
- Antoine, Alfred D., assignor to Advance Machine Company, Chicago, Ill. Coin-controlled mechanism for vending machines. 1,773,701; Aug. 19.
- Antoine, Alfred D., assignor to Advance Machine Company, Chicago, Ill. Check-controlled mechanism. 1,787,099; Dec. 30.
- Antoine, Alfred D., Chicago, and A. E. Gebert, Wilmette, assignors to Advance Machine Company, Chicago, Ill. Display device for vending machines. 1,759,031; May 20.
- Antoine, Alfred D., Chicago, and A. E. Gebert, Wilmette, assignors to Advance Machine Company, Chicago, Ill. Vending machine. 1,767,112; June 24.
- Anton, Frederick A., Topeka, Kans. Automatic window awning. 1,758,244; May 13.
- Anton, Frederick A., Topeka, Kans. Store-front awning. 1,773,929; Aug. 26.
- Anton, Frederick A., and C. W. Harvey, said Harvey assignor to Topeka Tent & Awning Company, Topeka, Kans. Window awning. 1,758,245; May 13.
- Antona, Angelo, Cleveland, Ohio. Heat-retaining system for water-cooled gas engines. 1,770,600; July 15.
- Antonelli, Orazio J., Fall River, Mass. Heating device. 1,744,716; Jan. 28.
- Antoni, Ernst J., Denver, Colo. Plant thinner. 1,781,743; Nov. 18.
- Antonuk, Jacob, Hamtramck, Mich. Film splicer. 1,771,394; July 29.
- Antosz, John. (See Pacyna, J., and Antosz.)
- Antrim, Louis C. (See Walsh, J. D., and Antrim.)
- Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Broiler for ranges. 1,779,304; Oct. 21.
- Antrol Laboratories Inc. (See Cardinet, Albert D., assignor.)
- Anzulovic, James V. (See Collins, C. L., and Anzulovic.)

- Aoki, Sataro, Hiratsuka, Japan, assignor to General Electric Company. Seal for vapor electric devices. 1,778,657; Oct. 14.
- Apablaza, John V., Los Angeles, Calif., assignor to O. J. Salisbury, Salt Lake City, Utah. Treating filtering materials. 1,742,433; Jan. 7.
- Apco Mossberg Corporation. (See Jackson, Alfred F., assignor.)
- Apco Mossberg Corporation. (See Storrie, William, assignor.)
- Apel, Hermann, Berlin-Wilmersdorf, Germany. Switch-board and the like. 1,761,461; June 3.
- Apeldorn, Guy S., Philadelphia, Pa. Method of and apparatus for softening water. 1,759,601; May 20.
- Apelt, Charles, Comfort Tex. Bed lamp. Des. 82,211; Oct. 7.
- Apex Electrical Manufacturing Company, The. (See Frantz, Walter A., assignor.)
- Apex Products Corporation, The. (See Keim, Melville, assignor.)
- Apex Stamping Company. (See Rubel, James L., assignor.)
- Apex Stamping Company. (See Smith, Robert P., assignor.)
- Apexon Company. (See Haskell, Frederick F., assignor.)
- Appel, Daniel, Cleveland, Ohio. Paper bag. 1,779,870; Oct. 28.
- Appel, Saul C., Medford, Mass. Combined anchor and pipe sleeve. 1,755,092; Apr. 15.
- Appel, Saul C., Medford, Mass. Radiator bracket. 1,755,093; Apr. 15.
- Appel, Saul C., Medford, Mass. Universal radiator bracket. 1,780,162; Nov. 4.
- Appelbaum, Isaac, Brooklyn, N. Y. Folding container. 1,783,068; Nov. 25.
- Appellus, Fritz, Berlin-Charlottenburg, assignor to Telephon-Apparat-Fabrik E. Zwietusch & Co., G. m. b. H., Charlottenburg, near Berlin, Germany. Telephone system. 1,777,709; Oct. 7.
- Apple, Lynford A., Glen Ridge, N. J., assignor to American Machine & Foundry Company. Making articles from casein. 1,765,819; June 24.
- Apple, Vincent G., Dayton, Ohio. Building armatures. 1,742,190; Jan. 7.
- Apple, Vincent G., Dayton, Ohio. Combined electric starter, battery recharger, and engine supercharger. 1,752,224; Mar. 25.
- Apple, Vincent G., Dayton, Ohio. Dynamo-electric machine. 1,756,501; Apr. 29.
- Apple, Vincent G., Dayton, Ohio. Power washing machine. 1,757,106; May 6.
- Apple, Vincent G., Dayton, Ohio. Electric starting device for internal-combustion engines. 1,763,549; June 10.
- Apple, Vincent G., Dayton, Ohio. Making commutators. 1,768,654; July 1.
- Apple, Vincent G., Dayton, Ohio. Winding armatures. 1,772,851; Aug. 12.
- Apple, Vincent G., Dayton, Ohio. Dynamo-electric-machine armature. 1,775,633; Sept. 16.
- Apple, Vincent G., Dayton, Ohio. Dynamo-electric-machine elements. 1,775,634; Sept. 16.
- Apple, Vincent G., Dayton, Ohio. Friction device. 1,780,455; Nov. 4.
- Apple, Vincent G., Dayton, Ohio. Winding dynamo-electric-machine elements. 1,780,456; Nov. 4.
- Apple, Vincent G., Dayton, Ohio. Direct-drive electric railway truck. 1,783,269; Dec. 2.
- Apple, Vincent G., Dayton, Ohio. Dynamo-electric-machine element. 1,784,815; Dec. 16.
- Applebaker, Theron J., assignor of one-half to A. S. Kleinhammer, Jacksonville, Oreg. Equalizer bar. 1,764,237; June 17.
- Appleby, James P., assignor to Frank Graves Sash, Door and Mill Company, Los Angeles, Calif. Sash balance. 1,760,226; May 27.
- Appleby, James P., assignor to Frank Graves Sash, Door and Mill Company, Los Angeles, Calif. Friction shoe for window sashes. 1,760,227; May 27.
- Applegate, Benton, Wood Lake, Nebr. Educational game apparatus. 1,767,424; June 24.
- Applegate, Oscar E., Fairview, N. C. Cotton picker. 1,745,826; Feb. 4.
- Appleman, Charles H., assignor to A. Amitin, Brooklyn, N. Y. Stand base. Des. 81,953; Sept. 9.
- Appler, Abraham B. (See Brown, G., and Appler.)
- Appleton Electric Company. (See Anderson, Ernst G. K., assignor.)
- Appleton Electric Company. (See Anderson, E. G. K., and Tornblom, assignors.)
- Appleton Electric Company. (See Brachtel, Henry, assignor.)
- Appleton, Ernst G. (See Newman, C., and Appleton.)
- Appleton, Josiah W., assignor to Emerson Shoe Manufacturing Company, Rockland, Mass. Shank piece. 1,743,648; Jan. 14.
- Appleton Manufacturing Company. (See Van Nortwick, John, assignor.)
- Applied Research, Inc. (See Di Lucel, Anthony, assignor.)
- Apter, Saul, Cincinnati, Ohio. Traveling case. Des. 82,596; Nov. 25.
- Apter, Saul, Cincinnati, Ohio. Traveling case. Des. 82,782; Dec. 16.
- Aqua Systems Incorporated. (See Peter, William J., assignor.)
- Aqua Systems Incorporated. (See Reed-Hill, William, assignor.)
- Arana, Camilo M., Habana, Cuba. Photographic reproduction apparatus. 1,781,044; Nov. 11.
- Arancibia, Augusto, Valparaiso, Chile. Pliable wire mattress. 1,744,999; Jan. 28.
- Arbes, Joseph, Union City, N. J. Button and means for securing it to garments. 1,775,546; Sept. 9.
- Arbogast, Frederick A., Akron, Ohio. Fish bait or lure. 1,770,904; July 22.
- Arbon, Paul, Company. (See Standlee, Harvey R., assignor.)
- Arbuckle, Samuel F., Highland Park, Mich., assignor to Monogram Lens Corporation, Paterson, N. J. Headlight lens. 1,744,725; Jan. 28.
- Arbuckle, Samuel F., Highland Park, Mich., assignor to Monogram Lens Corporation, Detroit, Mich. Beam-adjusting means. 1,748,057; Feb. 25.
- Arbuckle, Samuel F., Highland Park, Mich., assignor to Monogram Lens Corporation, New York, N. Y. Lamp-focusing apparatus. 1,768,655; July 1.
- Arbuckle, Samuel F., Highland Park, Mich., assignor to Monogram Lens Corporation, Detroit, Mich. Auxiliary reflector and shield for headlights. 1,768,656; July 1.
- Arbuckle, Samuel F., Highland Park, Mich., assignor to Monogram Lens Corporation, Detroit, Mich. Headlight for producing multicolored beams. 1,772,175; Aug. 5.
- Arbuckle, Samuel F., Detroit, Mich., assignor to Monogram Lens Corporation, New York, N. Y. Head lamp. 1,772,767; Aug. 12.
- Arbuckle, Samuel F., Highland Park, Mich., assignor to Monogram Lens Corporation, New York, N. Y. Adjustable headlight socket. 1,774,124; Aug. 26.
- Arbuckle, Samuel F., Highland Park, Mich., assignor to Monogram Lens Corporation, New York, N. Y. Lamp-focusing mechanism. 1,786,814; Dec. 30.
- Arbuthnot, Claude H., Lake Alfred, Fla. Universal joint. 1,764,381; June 17.
- Arcade Manufacturing Company. (See Firestone, V. S., and Sward, assignors.)
- Arcade Manufacturing Company. (See Tscherning, Henry, assignor.)
- Archangelaky, Alexander, and R. Goldberg, Berlin, Germany. Telephone arrangement. 1,780,146; Oct. 28.
- Archea, Walter D. (See Binns, G. W., and Archea.)
- Archea, Walter D., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,744,857; Jan. 28.
- Archer, Adèle, New York, N. Y. Clock savings bank. 1,777,870; Oct. 7.
- Archer, Capelle H., Tampa, Fla. Nozzle holder and sprinkler. 1,763,119; June 10.
- Archer, Clodien, Meximieux, France. Mounting the dies used as in production of metal threads or wires. 1,751,382; Mar. 18.
- Archer, Harry B., Dolgeville, N. Y. Compressed-air engine. 1,776,963; Sept. 30.
- Archer, Merton T. (See Zerbe, L. E., and Archer.)
- Archer, Merton T., Pittsburgh, Pa., assignor to The National Supply Company, Toledo, Ohio. Hydraulically-actuated pump. 1,746,811; Feb. 11.
- Archer, Merton T., Pittsburgh, Pa., assignor to The National Supply Company, Toledo, Ohio. Drilling rig. 1,756,804; Apr. 29.
- Archer, Merton T., Pittsburgh, Pa., assignor to The National Supply Company, Toledo, Ohio. Intermittent gas-lift pump. 1,780,808; Nov. 4.
- Archer, Robert S., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Forming articles from heat-treatable aluminum-base alloys. 1,751,468; Mar. 25.
- Archer, Robert S., and W. L. Fink, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Aluminum beryllium alloy. 1,774,542; Sept. 2.
- Archer Rubber Company. (See Emery, Herbert W., assignor.)
- Archer, Thomas P., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Cowl-molding and lamp-bracket construction. 1,769,095; July 1.
- Archibald, Ross A., Spirit River, Alberta, Canada. Electric boiler-feed control. 1,747,498; Feb. 18.
- Archini, Angelo. (See Nicolayson, Jens K., assignor.)
- Arcidiacono, Salvatore, Fulton, N. Y. Shingle construction. 1,768,280; June 24.
- Arcturus Radio Tube Company. (See Braselton, Chester H., assignor.)
- Arcturus Radio Tube Company. (See Heany, John A., assignor.)
- Ardbaum, Joseph, et al. (See Wallach, Leon, assignor.)
- Ardeo Manufacturing Company. (See Braden, R. W., and Stern, assignors.)
- Ardeo Manufacturing Company. (See Ellis, D. S., and Zusy, assignors.)
- Ardeo Manufacturing Company. (See Stern, C., and Carlock, assignors.)
- Arden Box Toe Company. (See Daly, Charles L., assignor.)
- Arden Box Toe Company. (See Daly, John J., assignor.)
- Arden Box Toe Company. (See Shopneck, Henry P., assignor.)
- Arden, James L., East Kew, Melbourne, Victoria, Australia. Automatic air-inlet valve for internal-combustion engines. 1,786,283; Dec. 23.
- Arena, A., and Company. (See Poynter, Willis H., assignor.)
- Arenberg, Albert L., Chicago, Ill. Lamp. Des. 82,648; Dec. 2.

- Arenberg, Albert L., Chicago, Ill. Lamp. Des. 82,649; Dec. 2.
- Arensberg, Francis L., Pittsburgh, assignor to Vesuvius Crucible Company, Swissvale, Pa. Protective device for use in hot-metal ladles. 1,776,773; Sept. 30.
- Arensberg, Francis L., Pittsburgh, A. J. Jackman, Forest Hills, and C. L. Jones, Pittsburgh, assignors to Vesuvius Crucible Company, Swissvale, Pa. Refractory structure and article and forming the same. 1,743,803; Jan. 14.
- Arensberg, Francis L., Pittsburgh, and A. J. Jackman, Forest Hills, assignors to Vesuvius Crucible Company, Swissvale, Pa. Refractory structure. 1,782,023; Nov. 18.
- Arent, Arthur, assignor to Arthur Arent Laboratories, Inc., Des Moines, Iowa. Protectively treating metals. 1,770,828; July 15.
- Arent, Arthur, Laboratories, Inc. (See Arent, Arthur, assignor.)
- Arenton, Henry R. (See Gerlach, G. R., and Arenton.)
- Arentzen, Einar M., assignor to Joy Manufacturing Company, Franklin, Pa. Artificial conveyer. 1,785,402; Dec. 16.
- Aretsky, Henry. (See Wiener, J. N., and Aretsky.)
- Arey, Fred C., Oak Park, Ill., assignor to J. W. Gleason, Pittsburgh, Pa., F. W. Bora, New York, N. Y., W. F. Freudenreich, Kenilworth, Ill., F. H. Chetlain, Chicago, Ill., and himself, trustees. Rotary spiral slitting cutter. 1,786,050; Dec. 23.
- Arey, Gordon C. (See Walker, Randall, assignor.)
- Argüelles, Paulino G., La Felguera, Spain. Safety device for electric-lamp bulbs. 1,784,167; Dec. 9.
- Argyle Production Company. (See Cox, G. S., and Almstedt, assignors.)
- Arias, Filomena. See Tan, Ramon, assignor.)
- Arico, Joseph, assignor of one-half to N. Maida and S. Scialino, New York, N. Y. Brush for barbers. 1,757,650; May 6.
- Arizona Minerals Corporation. (See Lindsay, Frederick K., assignor.)
- Arjon Chemical Co. (See John, Robert, assignor.)
- Arkell, Frederick G., Clapham Common, England, assignor to General Electric Company. Electroresponsive device. 1,743,749; Jan. 14.
- Arkell & Smiths. (See Tooker, J. N., and Harley, assignors.)
- Arkin, Victor, Chicago, Ill. Hydraulic-power transmission. 1,748,436; Feb. 25.
- Arklay, William B., Hampstead, London, England. Advertising device. 1,746,138; Feb. 4.
- Arlidge, Thomas J., Cisco, Tex. Automatic switch-latch mechanism. 1,744,604; Jan. 21.
- Arlotte, Inc. (See Watts, Warren S., assignor.)
- Armcast, Wilbur H., assignor to The Superheater Company, New York, N. Y. Header for water-tube boilers. 1,750,254; Mar. 11.
- Armcast, Wilbur H., assignor to The Superheater Company, New York, N. Y. Power plant. 1,773,088; Aug. 19.
- Armading, Harry W. (See Brodbeck, A. G., and Armading.)
- Armamenti Militari S. A. (See Revelli, Bethel-Abiel, assignor.)
- Armand Company, The. (See Weeks, Carl, assignor.)
- Armbrust Chain Company. (See Armbrust, Ferdinand, assignor.)
- Armbrust Chain Company. (See Armbrust, Gottlob and F., assignors.)
- Armbrust, Ferdinand. (See Armbrust, Gottlob and F.)
- Armbrust, Ferdinand, assignor to Armbrust Chain Company, Providence, R. I. Fastening device for watch bracelets. 1,766,477; June 24.
- Armbrust, Gottlob, North Providence, and F. Armbrust, assignors to Armbrust Chain Company, Providence, R. I. Bracelet. 1,745,140; Jan. 28.
- Armbruster, Charles E. H., Denver, Colo. Diagnostic instrument. 1,782,705; Nov. 25.
- Armelin, Edouard, London, England. Construction of the holders of book matches. 1,773,610; Aug. 19.
- Armentrout, Arthur L., Los Angeles, Calif. Rotary core drill. 1,742,641; Jan. 7.
- Armentrout, Arthur L., Los Angeles, Calif. Apparatus for separating solids from liquids. 1,749,057; Mar. 4.
- Armentrout, Arthur L., and E. B. Hall, Los Angeles, Calif. Rotary core-drill attachment. 1,751,678; Mar. 25.
- Arminger, Elmer L., Chicago, Ill. Apparatus for plucking poultry. 1,760,392; May 27.
- Armington, Arthur P., Willoughby, assignor to The Euclid Crane & Hoist Company, Euclid Village, Ohio. Wheeled scraper. 1,754,976; Apr. 15.
- Armington, Arthur P. and S. F., Willoughby, assignors to The Euclid Crane & Hoist Company, Euclid, Ohio. Dump trailer. 1,752,056; Mar. 25.
- Armington, George E., Wickliffe, and R. G. Nightingale, assignors to The Glenn L. Martin Company, Cleveland, Ohio. Airplane. 1,756,231; Apr. 29.
- Armington, Stewart F. (See Armington, Arthur P. and S. F.)
- Armitage, Joseph B. (See Kearney, E. J., and Armitage.)
- Armitage, Joseph B. (See Trecker, T., and Armitage.)
- Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Transmission and control mechanism for machine tools. Re17,699; June 17.
- Armitage, Joseph B., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Metal-working machine. 1,774,692; Sept. 2.
- Armitage, Joseph B., and F. A. Parsons, Milwaukee, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis. Speed-change mechanism. 1,743,649; Jan. 14.
- Armitage, Sylvester, assignor to General Motors Corporation, Detroit, Mich. Ignition apparatus. 1,761,512; June 3.
- Armitage, Sylvester, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Butterfly-valve exhaust pipe. 1,761,960; June 3.
- Armor Electric Manufacturing Company. (See Preedit, Anton, assignor.)
- Armor, James C., West View, Pa. Packing welding rods and a bundle for the same. 1,781,360; Nov. 11.
- Armour Fertilizer Works. (See King, William B., assignor.)
- Armour Fertilizer Works. (See Meyers, Herbert H., assignor.)
- Armour Fertilizer Works. (See Moore, H. C., and White, assignors.)
- Arms, Edward W., assignor to W. & L. E. Gurley, Troy, N. Y. Leveling head. 1,779,080; Oct. 21.
- Armsbruster, Inc. (See Bradt, Edward L., assignor.)
- Armstrong, Adam E., Three Rivers, Mich. Trap. 1,766,970; June 24.
- Armstrong, Charles C., assignor to The Armstrong Electric and Manufacturing Corporation, Huntington, W. Va. Coffee percolator. Des. 80,717; Mar. 18.
- Armstrong, Charles C., Huntington, W. Va., assignor to The Armstrong Electric and Manufacturing Corporation. Electric stove. 1,756,721; Apr. 29.
- Armstrong, Charles C., assignor to The Armstrong Electric and Manufacturing Corporation, Huntington, W. Va. Lawn sprinkler. 1,776,714; Sept. 23.
- Armstrong, Charles E., Washington, D. C. Milk strainer. 1,760,228; May 27.
- Armstrong, Charles L., Houston, Tex. Vermin repellent. 1,769,409; July 1.
- Armstrong, Clifford H. and J. Gordon London England assignor to James Gordon & Company Limited, London, England. Valve. 1,772,199; Aug. 5.
- Armstrong Cork Company. (See Brinton, William P., assignor.)
- Armstrong Cork Company. (See Busch, Herman F., assignor.)
- Armstrong Cork Company. (See Grupe, William F., assignor.)
- Armstrong Cork Company. (See Holt, Daniel S., assignor.)
- Armstrong Cork Company. (See Kaufman, Walter F., assignor.)
- Armstrong Cork Company. (See Rottmund, Fred G., assignor.)
- Armstrong Cork Company. (See Webster, Harry A., assignor.)
- Armstrong, Edward P., Portland, Oreg. Saw grinder. 1,781,941; Nov. 18.
- Armstrong, Edward P., Portland, and R. S. Jackson, Eugene, Oreg. Grinder for concave saw teeth. 1,771,602; July 29.
- Armstrong, Edward W., Belfast, Northern Ireland. Sewing machine. 1,767,955; June 24.
- Armstrong Electric and Manufacturing Corporation, The. (See Armstrong, Charles C., assignor.)
- Armstrong Electric and Manufacturing Corporation, The. (See Grayson, Charles J., assignor.)
- Armstrong, Eliot, assignor to Niagara Metal Stamping Corporation, Niagara Falls, N. Y. Curtain or other article support or bracket. 1,763,737; June 17.
- Armstrong, Francis J., Brooklyn, N. Y., assignor to D. S. Craven, Salem, N. J. Electric-circuit-control lock-switch device for automobiles. 1,752,770; Apr. 1.
- Armstrong, Frederick A., Kirksville, Mo. Sterilizing pan and bottle holder. 1,755,420; Apr. 22.
- Armstrong, Fullerton G. G., Beverley, England. Shock-absorbing means for vehicles. 1,767,113; June 24.
- Armstrong, Harry M., Chicago, Ill. Hairpin. 1,785,885; Dec. 23.
- Armstrong, Henry, assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Display machine. 1,755,761; Apr. 22.
- Armstrong, Hugh, Maryville, Mo. Tractor attachment for automobiles. 1,747,412; Feb. 18.
- Armstrong, Hugh M., Bedford, England. Scotometer. 1,771,908; July 29.
- Armstrong, James R., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Integrating and recording device for fluid meters. 1,749,094; Mar. 4.
- Armstrong, John. (See Brutofski, S. J., Armstrong, and Shermak.)
- Armstrong, John A., Chicago, assignor to The Herman Nelson Corporation, Moline, Ill. Grille. Des. 82,778; Dec. 16.
- Armstrong, John A., Chicago, assignor to The Herman Nelson Corporation, Moline, Ill. Grille. Des. 82,779; Dec. 16.
- Armstrong, John A., Chicago, assignor to The Herman Nelson Corporation, Moline, Ill. Grille. Des. 82,780; Dec. 16.
- Armstrong, John A., Chicago, assignor to The Herman Nelson Corporation, Moline, Ill. Grille. Des. 82,781; Dec. 16.

- Armstrong, John C., Fillmore, and J. E. Wallis, Los Angeles, Calif. Sucker-rod guide and cleaner. 1,755,762; Apr. 22.
- Armstrong, John C., Fillmore, and J. E. Wallis, Los Angeles, Calif. Tubing cleaner and protector. 1,758,995; May 20.
- Armstrong, Joseph. (See Trafton, W. M., and Armstrong.)
- Armstrong, Lloyd Van H., Upper Montclair, assignor to Ingersoll-Rand Company, Jersey City, N. J. Steering gear. 1,753,039; Apr. 1.
- Armstrong Machine Works. (See Goff, Leonard D., assignor.)
- Armstrong Manufacturing Company. (See Watson, George R., assignor.)
- Armstrong, Maurice M., New Harmony, Ind. Battery connector. 1,750,501; Mar. 11.
- Armstrong, Percy A. E., New York, N. Y. Casehardening ferrous articles. 1,748,378; Feb. 25.
- Armstrong, Percy A. E., New York, N. Y. Forming alloys. 1,781,490; Nov. 11.
- Armstrong, Percy A. E., Loudonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Making reenforced noncorrosive steel. 1,757,790; May 6.
- Armstrong, Percy A. E., Loudonville, and R. P. De Vries, Newtonville, assignors to Ludlum Steel Company, Watervliet, N. Y. Alloy of high surface stability comprising nickel and silicon. 1,759,477; May 20.
- Armstrong, Thomas L. B., Poughkeepsie, N. Y. Combination rule gauge. 1,753,191; Apr. 8.
- Armstrong, Victor C., Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y. Rail joint. 1,748,695; Feb. 25.
- Armstrong, Victor C., Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y. Splicing structure for canted rails. 1,756,330; Apr. 29.
- Armstrong, Victor C., Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y. Rail-joint bar. 1,775,382; Sept. 9.
- Armstrong, Victor C., Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y. Rail-joint bar. 1,781,426; Nov. 11.
- Armstrong, Walter J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Pulverizing machine. 1,770,382; July 15.
- Armstrong, Walter J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Pulverizing machine. 1,751,611; Mar. 25.
- Armstrong, Wesley, Regina, Saskatchewan, Canada. Grease cup. 1,779,351; Oct. 21.
- Armstrong, William C., Springfield, assignor to The Ceramic Machinery Company, Hamilton, Ohio. Gasoline engine locomotive. 1,765,559; June 24.
- Arnalz, Frank, Los Angeles, Calif. Safety parachute. 1,749,965; Mar. 11.
- Arnaud, Joseph J., South Milwaukee, Wis. Television apparatus. 1,756,232; Apr. 29.
- Arnaud, Martin J., assignor to The White Tar Company of New Jersey, Inc., Kearny, N. J. Garment bag. 1,773,565; Aug. 19.
- Arndt, Charles, Los Angeles, Calif. Separator to clarify waste waters. 1,760,229; May 27.
- Arndt, Melvin J., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Cabling arrangement for telephone systems. 1,758,919; May 20.
- Arndt, William E., and F. W. Clement, Chicago, Ill. Toy gun. 1,774,346; Aug. 26.
- Arndt, William F., assignor of one-half to McAdams, Watertown, Wis. Buckle. 1,764,670; June 17.
- Arneson, Arne. (See Hönningstad, A., Arneson, and Norheim.)
- Arnett, Florence, San Francisco, Calif. Stocking drier or similar article. Des. 82,212; Oct. 7.
- Arney, John W., Green Bay, Wis. Juvenile vehicle. 1,772,794; Aug. 12.
- Arnold, Albert W., Charlotte, N. C., assignor to E. C. Bowers and C. L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Apparatus for carding cotton. 1,759,563; May 20.
- Arnold, Carl, Nuremberg, Germany. Spark toy. 1,787,349; Dec. 30.
- Arnold, Charles E., assignor to Electro Company, Odessa, Del. Treating minerals containing potassium, aluminum, and iron. 1,742,191; Jan. 7.
- Arnold, Charles F., assignor to General Motors Corporation, Detroit, Mich. Vacuum gasoline-supply system. 1,761,961; June 3.
- Arnold, Charles H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,555; June 3.
- Arnold, Charles H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,556; June 3.
- Arnold, Craig R. (See Boyd, Joseph E., assignor.)
- Arnold, David B. (See Edson, J. W., Stone, and Arnold.)
- Arnold, Charles L., Shelbyville, Ky. Embalmer's plug. 1,782,332; Nov. 18.
- Arnold, Ernest H., Cleveland, Ohio. Metal-wheel manufacture. 1,753,306; Apr. 8.
- Arnold, Ernest H., Cleveland, Ohio. Metal spoke and its manufacture. 1,753,307; Apr. 8.
- Arnold, Frederick H., Reading, Pa. Glare shield for automobile headlight bulbs. 1,761,974; June 3.
- Arnold, Gustav, Nuremberg, Germany. Machine for making bolts, screws, and the like. 1,771,833; July 29.
- Arnold, Harry C. (See Hartwick, F. H., and Arnold.)
- Arnold, Henry F., Hyde Park, assignor to American Tool & Machine Company, Boston, Mass. Idler pulley. 1,762,149; June 10.
- Arnold, Joseph J., New York, N. Y. Tally card. 1,768,020; June 24.
- Arnold, Otto, Schmiedefeld, Germany. Blood pipette. 1,762,807; June 10.
- Arnold, Robert B., Richmond, Va., and R. M. Hixon, Ames, Iowa, assignors to Tobacco By-Products & Chemical Corporation, Louisville, Ky. Pulp product and making the same. 1,756,722; Apr. 29.
- Arnold, Robert V., E. E. Flickinger, and S. E. Wantz, Taneytown, Md. Feeder and disintegrator or mixer. 1,786,556; Dec. 30.
- Arnold, Stanfield N., New York, N. Y. Tube cutter. 1,748,099; Feb. 25.
- Arnold, William L. (See Hopper, C., and Arnold.)
- Arnold, William T., Hempstead, N. Y. Electrical meter switch. 1,782,454; Nov. 25.
- Arnold, William W., Jr., Knoxville, Tenn. Method of and apparatus for cleaning and lapping cotton. 1,777,245; Sept. 30.
- Arnold Electric Co. (See Blish, R. A., and Jorgenson, assignors.)
- Arnold Electric Company, The. (See Brunhoff, Edward, assignor.)
- Arnold Electric Company. (See Flegel, Harrison D., assignor.)
- Arnold Electric Company. (See Poplawski, Stephen J., assignor.)
- Arnold Electric Company. (See Schmitz, George C., assignor.)
- Arnot, Robert, Watford, England. Adhesive or cement and making the same. 1,771,553; July 29.
- Arnott, Peter, Palo Alto, Calif. Rack for automobiles. 1,764,771; June 17.
- Arnou, Gabriel. (See Bauchère, A., and Arnou.)
- Arnstein, Karl, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Main ring for rigid airships. 1,779,387; Oct. 21.
- Arntzen, Cloyd H., Canton, Mo. End gate. 1,753,637; Apr. 8.
- Aron, Glen M., Alhambra, assignor to M. B. Pendleton, San Gabriel, Calif. Liquid-sampling device. 1,769,660; July 1.
- Aron, William P., assignor of one-half to E. Rorex, Dallas, Tex. Combined pencil and lighter. 1,750,255; Mar. 11.
- Aron, William P., assignor, by mesne assignments, to W. D. Kennedy, Dallas, Tex. Ventilating and air-purifying unit. 1,765,962; June 24.
- Aron, William P., Dallas, Tex., assignor to O. W. Ludwick, Dallas, Tex. Rotary fan. 1,775,081; Sept. 9.
- Arones, George B., Minneapolis, Minn. Device for feeding cutting compounds and the like. 1,763,290; June 10.
- Aronson, Louis, and A. Feldblet, Brooklyn, N. Y. Flavoring tea. 1,750,768; Mar. 18.
- Aronson, Louis V., Newark, N. J. Lamp stand or similar article. Des. 81,318; June 10.
- Aronson, Louis V., Newark, N. J. Toy gun. 1,755,142; Apr. 15.
- Aronson, Louis V., Newark, N. J. Receptacle with removable jacket. 1,760,933; June 3.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Pyrophoric lighter or similar article. Des. 80,353; Jan. 21.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined cigarette container and pyrophoric lighter. Des. 80,770; Mar. 25.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined cigarette container and pyrophoric lighter. Des. 81,823; Aug. 19.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined pyrophoric lighter and cigarette container. Des. 81,951; Sept. 9.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Fuel-carrying means for lighters. 1,748,323; Feb. 25.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Lighter. 1,755,494; Apr. 22.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Lighter. 1,759,340; May 20.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Sparking toy. 1,760,622; May 27.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Pocket lighter and the like. 1,762,123; June 3.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Indicating device. 1,762,753; June 10.
- Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Vanity case. 1,782,024; Nov. 18.
- Aronson, Nathalie. (See Nairne, Eldridge E., assignor.)
- Aronson, Peter A., Devon, Conn., assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,786,978; Dec. 30.
- Aronson, Peter A., Rivercliffe, Devon, Conn., assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,785,240; Dec. 16.
- Aron-Werke Elektrizitäts Aktiengesellschaft. (See Stern, Walter, assignor.)
- Arps, Bruno, New Holstein, Wis. Traction lug. 1,780,513; Nov. 4.
- Arps, Bruno F., New Holstein, Wis. Traction belt. 1,764,671; June 17.
- Arranbee Doll Co. (See Wallach, Leon.)

- Arranz, Lorenzo, New York, N. Y. Platen-adjusting device. 1,755,143; Apr. 15.
- Arranz, Lorenzo, New York, N. Y. Massage device. 1,755,144; Apr. 15.
- Arras, Adams, Frankfort, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitating apparatus. 1,767,338; June 24.
- Arras, George, Chicago, Ill. Fixture support. 1,764,997; June 17.
- Arrault, Jules, and L. Deschamps, Chalon-sur-Saone, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Apparatus and process for flattening glass. 1,776,574; Sept. 23.
- Arrighi, Pietro, assignor to Italian-American Motors Inc., San Francisco, Calif. Internal-combustion engine. 1,772,977; Aug. 12.
- Arrow Electric Company, The. (See Carlson, Johannes R., assignor.)
- Arrow-Hart & Hegeman Electric Company, The. (See Gates, Frederic P., assignor.)
- Arrow-Hart & Hegeman Electric Company, The. (See Guett, Monroe, assignor.)
- Arrow-Hart & Hegeman Electric Company, The. (See MacFadyen, Harry R., assignor.)
- Arrow-Hart & Hegeman Electric Company, The. (See Nero, Arvid H., assignor.)
- Arrow-Hart & Hegeman Electric Company, The. (See Paiste, Henry T., assignor.)
- Arrowood, Milton W., Greenwich, Conn., assignor to Universal Engineers, Inc., Worcester, Mass. Furnace and method of burning fuel. Re17,908; Dec. 23.
- Arrowood, Milton W., Greenwich, Conn. Method and apparatus for pulverizing materials. 1,747,922; Feb. 18.
- Arsem, William C., Schenectady, N. Y., assignor to General Electric Company. Making sectional two-component wire. 1,748,822; Feb. 25.
- Arsem, William C., Schenectady, N. Y., assignor to General Electric Company. Treating oils and other glycerides. 1,760,535; May 27.
- Arsem, William C., assignor to Industrial Technics Corporation, Schenectady, N. Y. Production of dry levulose or carbohydrate mixtures. 1,763,080; June 10.
- Art Concrete Works. (See Haase, L. G., and Brooks, assignors.)
- Art Fixtures, Inc. (See Hoffmann, Otto, assignor.)
- Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
- Art Metal Construction Company. (See Jones, James R., assignor.)
- Art Metal Construction Company. (See Larson, O. J., and Jones, assignors.)
- Art Metal Construction Company. (See Sutter, Roser B., assignor.)
- Art Metal Construction Company. (See Ulrich, Charles B., assignor.)
- Art Metal Spinning Co. (See Laudel, Eric, assignor.)
- Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
- Art Specialty Company. (See Mugnai, Fred, assignor.)
- Artafact Metal Stamping Corporation. (See Poerner, Edward W., assignor.)
- Arter, Jakob, Ober-Engstringen, Switzerland. Friction gear. 1,775,479; Sept. 9.
- Artesian Well & Equipment Co. (See Every, Elmer D., assignor.)
- Arthur, C. F., et al. (See Waite, Harry C., assignor.)
- Arthur, Ernest L., assignor of one-third to C. E. Mahan, jr., Fayetteville, W. Va. Fingernail buffer. 1,766,321; June 24.
- Arthur, Glen J., Rock Island, Ill. Nursery chair. Des. 81,952; Sept. 9.
- Arthur, J. P., et al. (See Waite, Harry C., assignor.)
- Arthur, James C., Platteville, Wis. Player piano. 1,743,181; Jan. 14.
- Arthur, James F., Dickson City, Pa. Circulating tube. Re17,866; Nov. 11.
- Arthur, James F., Dickson, Pa. Tube joint. 1,768,095; June 24.
- Arthur, James L., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Switch control. 1,753,913; Apr. 8.
- Arthur, James L., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Ignition system. 1,759,428; May 20.
- Arthur, James L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,761,513; June 3.
- Arthur, James L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,761,514; June 3.
- Arthur, John, Zanesville, Ohio. Twine cutter. 1,776,715; Sept. 23.
- Arthur, Paul, assignor to Frank Holton & Co., Elkhorn, Wis. Saxophone mouthpiece. 1,770,965; July 22.
- Arthur, Paul, assignor to Frank Holton & Co., Elkhorn, Wis. Reed for wind musical instruments. 1,770,966; July 22.
- Arthur, Paul, assignor to Frank Holton & Co., Elkhorn, Wis. Saxophone mouthpiece and making the same. 1,771,109; July 22.
- Arthur, Paul, assignor to Frank Holton & Co., Elkhorn, Wis. Clarinet mouthpiece. 1,771,157; July 22.
- Artigue, Pierre, Los Angeles, Calif. Making motion pictures. 1,742,680; Jan. 7.
- Artigue, Pierre, Los Angeles, Calif. Making motion pictures. 1,764,490; June 17.
- Artigue, Pierre M., Los Angeles, Calif. Motion-picture color photography. 1,772,622; Aug. 12.
- Artisan Metal Products Company. (See Sinton, R., Holzhauser, and Lutz, assignors.)
- Arutunoff, Armais, Los Angeles, Calif. Oil-well pump. 1,758,346; May 13.
- Arutunoff, Armais, Los Angeles, Calif., assignor to Reda Pump Company, Bartlesville, Okla. Multistage bearing. 1,769,933; July 8.
- Arutunoff, Armais, Bartlesville, Okla. Valve unit for centrifugal pumps. 1,775,480; Sept. 9.
- Arutunoff, Armais, Los Angeles, Calif., assignor to Reda Pump Company, Bartlesville, Okla. Motor protector. 1,778,787; Oct. 21.
- Arvastsson, Otto, et al. (See Ottosson, Ernst J., assignor.)
- Arvey Corporation. (See Horwath, Julius, assignor.)
- Arvid, Joseph-S., Company. (See Auerbach, Joseph B., assignor.)
- Arvidson, Carl A., Camas, Wash. Paper oiler and waxer. 1,769,250; July 1.
- Arvidson, Nils, Chicago, Ill. Producing metallic coatings on articles such as type forms and the like. 1,769,363; July 1.
- Asafoff, Nikolai I., Moscow, Union of Socialist Soviet Republics. Automatic bobbin-changing mechanism for looms. 1,751,224; Mar. 18.
- Asahi Glass Company Limited, The. (See Kamita, Kiyoshi, assignor.)
- Asbeck, Gustav, Dusseldorf-Rath, Germany. Rolling mill. 1,753,767; Apr. 8.
- Asbeck, Gustav, Dusseldorf-Rath, Germany. Rolling mill. 1,764,598; June 17.
- Asbestos Manufacturing Company. (See Evans, Richard J., assignor.)
- Asbestos Panels Corporation. (See Lanhoffer, Edmond O., assignor.)
- Asbestos Wood & Shingle Co. (See MacIldowie, John C., assignor.)
- Asbridge, Harry H., Ashton-on-Mersey, assignor to The Churchill Machine Tool Company Limited, Broadheath, near Manchester, England. Grinding machinery. 1,754,139; Apr. 8.
- Asbridge, Harry H., Ashton-on-Mersey, assignor to The Churchill Machine Tool Company Limited, Broadheath, near Manchester, England. Grinding or abrading machine. 1,754,140; Apr. 8.
- Asbury, Dorsey F., Broomes Island, Md. Radio apparatus. 1,759,678; May 20.
- Asbury, Dorsey F., Broomes Island, Md. Radio apparatus. 1,765,191; June 17.
- Asch, Andrew J., New York, N. Y. Electric furnace. 1,757,895; May 6.
- Asch, Howard E., New York, N. Y. Adjustable garment form. 1,744,198; Jan. 21.
- Aschenbach, Walter J., East Orange, N. J. Punctureproof pneumatic inner tube. 1,759,602; May 20.
- Aseltine, Ethan E., St. Albans, Vt. Merchandise carrier. 1,785,665; Dec. 16.
- Aseltine, Fred E., Dayton, Ohio. Thermostatically-controlled valve. 1,747,413; Feb. 18.
- Aseltine, Fred E., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Fuel-charging device. 1,749,307; Mar. 4.
- Aseltine, Fred E., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge-forming device for internal-combustion engines. 1,782,333; Nov. 18.
- Aseltine, Fred E., and W. H. Teeter, assignors, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge-forming device. 1,762,463; June 10.
- Ash, Charles S., assignor to California Packing Corporation, San Francisco, Calif. Stabilized pineapple and producing the same. 1,764,491; June 17.
- Ash, Omer A. (See Shannon, J. R., and Ash.)
- Ash, Walter V., Philadelphia, Pa. Support for connection cords of electric irons. 1,774,742; Sept. 2.
- Ashbaugh, John H. (See Bergvall, R. C., and Ashbaugh.)
- Ashbaugh, John H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,746,756; Feb. 11.
- Ashbaugh, John H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Load-balancing regulator system. 1,746,757; Feb. 11.
- Ashbaugh, John H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,751,225; Mar. 18.
- Ashbaugh, John H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,764,382; June 17.
- Ashbury, Dorsey F., Broomes Island, Md. Radio apparatus. 1,765,190; June 17.
- Ashby, Cassius J., Evansville, Ind. Electrically-operated lawn mower. 1,779,723; Oct. 28.
- Ashcraft, Clarence S., Los Angeles, Calif. Reflector-protection device for arc lamps. 1,743,182; Jan. 14.
- Ashcroft, Edgar A., Waye House, near Ashburton, England. Extraction of tin from ores or materials containing tin. 1,780,106; Oct. 28.
- Ashcroft, Edgar A., Waye House, near Ashburton, England. Extraction of tin from ores or materials containing tin. 1,786,386; Dec. 23.
- Ashcroft, Edgar A., assignor, by mesne assignments, to The Magnesium Company, Limited, London, England. Treatment of lead-zinc sulphide ores, mattes, and the like. 1,748,748; Feb. 25.

- Ashdown, Albert J., Letchworth, England. Stroboscopic apparatus. 1,746,179; Feb. 4.
- Ashe, William O., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,780,457; Nov. 4.
- Ashenburt, Fred L., Lingle, Wyo. Harrow attachment for plows. 1,776,176; Sept. 16.
- Asher, Allen P., Sandpoint, Idaho. Fender roller. 1,760,467; May 27.
- Ashington Coal Company Limited. (See Drummond, Walter J., assignor.)
- Ashkenas, Abraham, Brooklyn, N. Y. Screen and post. 1,744,605; Jan. 21.
- Ashkenas, Abraham, Brooklyn, N. Y. Window display fixture. 1,769,096; July 1.
- Ashleman, Adolph E., Waco, Tex. Nutcracker. 1,764,238; June 17.
- Ashley, Enoch J. (See Coe, B. S., and Ashley.)
- Ashley, Frank M., Brooklyn, N. Y. Fountain pen. 1,746,758; Feb. 11.
- Ashley, Frank M., Brooklyn, N. Y. Pipe for smoking tobacco. 1,749,308; Mar. 4.
- Ashley, Gamb J., Goodloes, Va. Automatic draft regulator. 1,786,931; Dec. 30.
- Ashley, Lucy C., and W. B. Bahn, Oklahoma City, Okla. Aerial mail exchange. 1,755,235; Apr. 22.
- Ashley, Merwin F., Chicago, Ill. Horn. 1,766,580; June 24.
- Ashton, Francis E., Chester, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle for weft-replenishing looms. 1,756,622; Apr. 29.
- Ashton, Francis E., assignor to Aberfoyle Manufacturing Company, Chester, Pa. Weft-inserting mechanism. 1,762,377; June 10.
- Ashton, Francis E., assignor to Aberfoyle Manufacturing Company, Chester, Pa. Loom. 1,768,096; June 24.
- Ashton, Francis E., assignor to Aberfoyle Manufacturing Company, Chester, Pa. Loom. 1,771,603; July 29.
- Ashton, Francis E., assignor to Aberfoyle Manufacturing Company, Chester, Pa. Needle loom. 1,783,994; Dec. 9.
- Ashton, Georg, Geiselsgasteig, near Munich, and G. Frei, assignors to A. Haefeli, Munich, Germany. Carbureter. 1,778,444; Oct. 14.
- Ashton, George, assignor to The Central Frog & Switch Company, Cincinnati, Ohio. Track brace. 1,760,934; June 3.
- Ashton, Pearl F., assignor to T. W. Lind Company, Providence, R. I. Shoe ornament. Des. 82,013; Sept. 16.
- Ashton, Pearl F., assignor to T. W. Lind Company, Providence, R. I. Shoe ornament. Des. 82,014; Sept. 16.
- Ashton, William S., assignor, by mesne assignments, to Hood Rubber Company, Inc., Watertown, Mass. Boot-stripping machine. 1,745,827; Feb. 4.
- Ashworth Advertising Company. (See Ashworth, John W., assignor.)
- Ashworth, Alton W., Yoakum, Tex. Oil-gauge-rod wiper. 1,747,100; Feb. 11.
- Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Presser-foot mechanism. 1,744,858; Jan. 28.
- Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Presser-foot mechanism for sewing machines. 1,756,502; Apr. 29.
- Ashworth, Fred, Wenham, and A. Thompson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,774,498; Sept. 2.
- Ashworth, George B., Amsterdam, N. Y. Steam-pipe expansion joint. 1,752,475; Apr. 1.
- Ashworth, George B., Amsterdam, N. Y. Steam-boller smoke box. 1,760,680; May 27.
- Ashworth, George B., Amsterdam, N. Y. Locomotive driving box. 1,779,111; Oct. 21.
- Ashworth, Harry E., and B. Lazich, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,750,658; Mar. 18.
- Ashworth, John W., assignor to Ashworth Advertising Company, Incorporated, New York, N. Y. Advertising device. 1,767,570; June 24.
- Ashworth, John W., assignor to Ashworth Advertising Company, Incorporated, New York, N. Y. Exhibiting sign. 1,767,571; June 24.
- Ashworth, John W., assignor to Ashworth Advertising Company, Incorporated, New York, N. Y. Safety-razor-blade holder. 1,780,549; Nov. 4.
- Ashworth, William H., Columbia, S. C. Automatic planer-knife grinder. 1,781,674; Nov. 18.
- Asiatic Petroleum Company. (See Egerton, Alfred C., assignor.)
- Asiatic Petroleum Company. (See Lawson, Joseph, assignor.)
- Askam, Le Roy, Milford, Conn. Windshield clarifier. 1,783,270; Dec. 2.
- Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. (See Klopfer, Carl A., assignor.)
- Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. (See Reipert, Ernst, assignor.)
- Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. (See Schweydar, Wilhelm, assignor.)
- Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. (See Wunsch, Erich P. G., assignor.)
- Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. (See Wunsch, Guido, assignor.)
- Aske, Irving E., Duluth, Minn. Hydrocarbon-feeding system for vaporizing device. 1,748,164; Feb. 25.
- Aske, Irving E., Minneapolis, Minn. Electric heater and vaporizer. 1,770,384; July 15.
- Aske, Irving E., Minneapolis, Minn. Vaporizer. 1,758,020; May 13.
- Askew, Earle. (See Hart, F. A., and Askew.)
- Askey, James, London, England. Bottle-capping machine. 1,751,022; Mar. 18.
- Askue, Albert R. (See Ober, D. C., and Askue.)
- Asness, George. (See Herschdorfer, A., and Asness.)
- Aspinwall, Donald A., Twickenham, England. Hand-operated printing press. 1,770,506; July 15.
- Asparad Radio Corporation. (See Simpson, Hobart A., assignor.)
- Aspinwall, Louis M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electropneumatic brake. 1,763,120; June 10.
- Aspinwall, Louis M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Train-control system. 1,786,815; Dec. 30.
- Asmussen, August J., Detroit, Mich., assignor to Diamond Tool & Engineering Company. Compressor. 1,785,853; Dec. 23.
- Asmussen, Heinrich. (See Loebe, W.-W., Ledig, and Asmussen.)
- Asselin, James H., San Francisco, Calif. Rail-crossing structure. 1,773,251; Aug. 19.
- Associated Electrical Industries Limited. (See Braendle, Ernest W., assignor.)
- Associated Electrical Industries Limited. (See Hinton, Norman P., assignor.)
- Associated Electrical Industries Limited. (See Robinson, Ernest Y., assignor.)
- Associated Engineers Company. (See Deters, John A. L., assignor.)
- Associated Factories Corporation. (See Cumpston, Frederick B., assignor.)
- Associated Factories Corporation. (See Douglas, Roy, assignor.)
- Associated Factories Corporation et al. (See Garrett, Henry, assignor.)
- Associated Factories Corporation. (See Knox, Jean H., assignor.)
- Associated Lead Manufacturers Limited. (See Waring, Horace, assignor.)
- Associated Telephone and Telegraph Company. (See Kesler, F., Woodland, and McCrindle, assignors.)
- Associated Telephone and Telegraph Company. (See Ostline, John E., assignor.)
- Associated Telephone and Telegraph Company. (See Ostline, J. E., Rayner, and Preist, assignors.)
- Associated Telephone and Telegraph Company. (See Pearce, Owen A., assignor.)
- Associated Telephone and Telegraph Company. (See Preist, Thomas P., assignor.)
- Associated Telephone and Telegraph Company. (See Ray, Arthur J., assignor.)
- Associated Telephone and Telegraph Company. (See Remington, Charles, assignor.)
- Associated Telephone and Telegraph Company. (See Sharpe, Harry D., assignor.)
- Associated Telephone and Telegraph Company. (See Simpson, Lancelot M., assignor.)
- Associated Telephone and Telegraph Company. (See Tench, Frank, assignor.)
- Ast, Carl O., assignor to Pacific Knitting Mills, Inc., Los Angeles, Calif. Bathing suit. 1,752,771; Apr. 1.
- Astels, Ernest W. (See Palmer, William, assignor.)
- Asten, Eduard v., Eupen, Belgium, and H. N. Hill, Philadelphia, Pa., assignors to Von Asten & Cie., Societe en Commandite, Eupen, Belgium. Fabric for technical purposes. 1,753,845; Apr. 8.
- Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company, Inc., New York, N. Y. Hot-metal car. 1,757,000; May 6.
- Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company, New York, N. Y. Hot-metal car. 1,785,292; Dec. 16.
- Astrom, John, Fort Wayne, Ind. Carburetor. 1,756,580; Apr. 29.
- Astrup, Andrew, and W. Astrup, Racine, Wis. Headlight. 1,780,548; Nov. 4.
- Astrup, Walter C., Cleveland, Ohio. Curtain-pole end piece. Re80,994; Apr. 22.
- Astrup, Walter C., Cleveland, Ohio. Curtain-pole end piece. Re80,995; Apr. 22.
- Astrup, William. (See Astrup, Andrew and W.)
- Atchison, Harold E. (See Melville, H. J., and Atchison.)
- Atchity, James A., Kansas City, Mo. Mop. 1,765,364; June 24.
- Ateliers Hanrez Societe Anonyme. (See Modave, André, assignor.)
- Athenstedt, Otto, Einbeck, Germany. Controlling apparatus for centrifugal machines. 1,748,165; Feb. 25.
- Atherton, Albert, Bloomfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Central-battery duplex telegraph system. 1,773,336; Aug. 19.
- Athey, Isaac H., Chicago, Ill. Vehicle wheel. 1,753,735; Apr. 8.

- Athey, Isaac H., assignor to Athey Truss Wheel Co., Chicago, Ill. Vehicle. 1,743,589; Jan. 14.
- Athey, Isaac H., assignor to Athey Truss Wheel Co., Chicago, Ill. Vehicle. 1,761,861; June 3.
- Athey, Isaac H., assignor to Athey Truss Wheel Co., Chicago, Ill. Brake for vehicles. 1,776,846; Sept. 30.
- Athey Truss Wheel Co. (See Athey, Isaac H., assignor.)
- Athol Manufacturing Company. (See Alling, Guy E., assignor.)
- Athon, Lewis H. (See Athon, Walter C., assignor.)
- Athon, Walter C., Lavoie, Wyo., assignor of one-half to L. H. Athon, Los Angeles, Calif. Oil-storage tank. 1,773,930; Aug. 26.
- Atia Sales Corporation. (See Lima, Henry C., assignor.)
- Atkins, Alfred C., London, England. Fastening device. 1,745,521; Feb. 4.
- Atkins, Alfred C., London, England. Suitcase. 1,759,930; May 27.
- Atkins, Edward G., assignor to Wolverine Carburetor Company, Jackson, Mich. Carburetor. 1,787,230; Dec. 30.
- Atkins, Frank P., assignor to Atkins & Pearce Manufacturing Company, Cincinnati, Ohio. Bead cord. 1,751,383; Mar. 18.
- Atkins, Mack T., Gaffney, S. C. Padlock. 1,777,424; Oct. 7.
- Atkins & Pearce Manufacturing Company. (See Atkins, Frank P., assignor.)
- Atkinson, Cyril J. (See Batenburg, P. J. F., and Atkinson.)
- Atkinson, Elijah B., Oakley, Kans. Lid or cover fastener for milk cans. 1,754,074; Apr. 8.
- Atkinson, Gordon E., Niagara Falls, N. Y. Signal. 1,759,291; May 20.
- Atkinson, Herbert S., East Orange, N. J., assignor to The Hayward Company, New York, N. Y. Bucket or grapple. 1,762,946; June 10.
- Atlanta Harness & Reed Manufacturing Company. (See Harris, A. W., Suchke, and King, assignors.)
- Atlantic Aircraft Corporation. (See Fokker, Anthony H. C., assignor.)
- Atlantic Coast Fisheries Company, The. (See Taylor, Harden F., assignor.)
- Atlantic Precision Instrument Company. (See Allen, Albert, assignor.)
- Atlantic Refining Company, The. (See Chillas, R. B., jr., and Peterkin, assignors.)
- Atlantic Refining Company, The. (See Cooke, Maurice B., assignor.)
- Atlantic Refining Company, The. (See Ehlers, Carl H., assignor.)
- Atlantic Refining Company, The. (See Goldsmith, Lester M., assignor.)
- Atlantic Refining Company, The. (See Peterkin, Albert G., jr., assignor.)
- Atlantic Refining Company, The. (See Stroud, W. F., jr., and Chillas, assignors.)
- Atlantic Service Company. (See Schaefer, Adolph O., assignor.)
- Atlantic Steel Company. (See Lowndes, Richard H., assignor.)
- Atlas Bolt & Screw Company, The. (See Schellentrager Eugene W., assignor.)
- Atlas Bolt & Screw Company. (See Schellentrager, E. W., and Clarkson, assignors.)
- Atlas Drop Forge Co. (See Shaw, Thomas, assignor.)
- Atlas Fowl Plucking Machine Corporation. (See Scott, George A., assignor.)
- Atlas Leather Products Corporation, The. (See Marshutz, S. G., and Sockett, assignors.)
- Atlas Powder Company. (See Bacon, Gilbert C., assignor.)
- Atlas Powder Company. (See Hill, Roy L., assignor.)
- Atlas Powder Company. (See Pratt, Carl D., assignor.)
- Atlas Powder Company. (See Shipley, Stanley D., assignor.)
- Atlas Press Company. (See Collins, James G., assignor.)
- Atlas Tack Corporation. (See Christophel, Lewis W., assignor.)
- Atlas-Werke Pöhler & Co. (See Abel, August, assignor.)
- Atthenont, Léon, Versailles, France. Building material and its applications. 1,773,658; Aug. 19.
- Atticks, Harry J., and J. G. Saltzman, New York, N. Y. Actuating means for electric-light dimmers. 1,782,390; Nov. 18.
- Attinger, Stephen J., Sharpsburg, Pa. Picture frame. Des. 82,410; Nov. 4.
- Attwood, Charles E., assignor to Postindex Company, Inc., Jamestown, N. Y. Paper file. 1,780,735; Nov. 4.
- Atwater, Harry A., Kansas City, Mo. Flue-gas recirculation system for shell stills. 1,779,405; Oct. 28.
- Atwater, Karl W., Chicago, Ill. Bearing construction. 1,771,108; July 22.
- Atwater Kent Manufacturing Company. (See Kingsford, Russell T., assignor.)
- Atwater Kent Manufacturing Company. (See McLaughlin, Kenneth M., assignor.)
- Atwater Kent Manufacturing Company. (See Miller, John M., assignor.)
- Auble, Arthur J., Ord, Nebr. Canopy. 1,775,383; Sept. 9.
- Auerbach, Joseph B., New York, N. Y., assignor to Joseph S. Arvid Company, Inc. Display fixture. 1,775,151; Sept. 9.
- Auerbach, Zemach, New York, N. Y. Filing or index system. 1,772,926; Aug. 12.
- Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Warning-signal casing or similar article. Des. 82,213; Oct. 7.
- Augenstein, Karl C. (See Speidel, E. F. M., and Augenstein.)
- Augstein, Adolph M., Great Neck, N. Y. Sweater. Des. 82,302; Oct. 21.
- Augustine, Walter O., Rahway, N. J., assignor to The Diamond Match Company, Chicago, Ill. Making matches. 1,773,385; Aug. 19.
- Auld, D. L., Company, The. (See Auld, James F., assignor.)
- Auld, James F., assignor to The D. L. Auld Company, Columbus, Ohio. Airplane wing. 1,771,567; July 29.
- Atlas Tack Corporation. (See Jacques, George W., assignor.)
- Atleson, Andy, et al. (See Smythe, Frank E. and A. Q., assignors.)
- Atleson, May, et al. (See Smythe, Frank E. and A. Q., assignors.)
- Atmospheric Nitrogen Corporation. (See Bramwell, Francis H., assignor.)
- Atrax Gesellschaft mit beschränkter Haftung. (See Müller, George G., assignor.)
- Atterholt, Oliver S., Frostburg, assignor to Sloan Brothers, Lonaconing, Md. Goblet or similar article. Des. 81,121; May 13.
- Atterholt, Oliver S., Frostburg, assignor to Sloan Brothers, Lonaconing, Md. Goblet or similar article. Des. 81,122; May 13.
- Atticks, Harry J., and J. G. Saltzman, New York, N. Y. Mounting of lamp housings. 1,754,929; Apr. 15.
- Attwood, Charles W. (See Nicholay, Paul, assignor.)
- Atwater, Harry A., Kansas City, Mo. Air heater. 1,746,982; Feb. 11.
- Atwater Kent Manufacturing Company. (See Bradley, Charles S., assignor.)
- Atwater Kent Manufacturing Company. (See Da Costa, Robert C., assignor.)
- Atwater Kent Manufacturing Company. (See Davis, L. H., and Kingsford, assignors.)
- Atwater Kent Manufacturing Company. (See Fenton, Almon N., assignor.)
- Atwater Kent Manufacturing Company. (See Lodge, Edmund G., assignor.)
- Atwater Kent Manufacturing Company. (See Majer, Carl T., assignor.)
- Atwater Kent Manufacturing Company. (See Tarzian, Sarkes, assignor.)
- Atwell, Harold V., Hammond, assignor to Standard Oil Company, Whiting, Ind. Seal. 1,747,810; Feb. 18.
- Atwood, George D., Brooklyn, N. Y. Spool. 1,744,606; Jan. 21.
- Atwood, James T., Rockford, Ill. Seat-back mounting. 1,765,394; June 24.
- Atwood, Seth B., Rockford, Ill. Making covered-joint hinge members. 1,763,337; June 10.
- Atwood, Seth B., Rockford, Ill. Covered-joint hinge. 1,765,393; June 24.
- Atwood, Winthrop F., Whitman, Mass. Shoe rack. 1,745,883; Feb. 4.
- Aubel, Paul K., Baltimore, Md., assignor to American Smelting and Refining Company, New York, N. Y. Electrolytic cell. 1,745,348; Feb. 4.
- Auberlin, William, Northfield, Ohio. Advertising-card holder. 1,762,321; June 10.
- Auberscheck, Joseph, Milwaukee, Wis. Filter. 1,757,554; May 6.
- Aubertin, Vilhelm T., Valby, near Copenhagen, Denmark. Woodworking machine. 1,763,497; June 10.
- Aubry, Emile, Paris, and G. Boreau, Versailles, France. Synchronizing device for musical instruments or other apparatus. 1,758,776; May 13.
- Audet, Alfred, Salem, Mass. Eave shingle support. 1,756,476; Apr. 29.
- Audet, Alfred, Salem, Mass. Ridge cap. 1,765,119; June 17.
- Audet, Alfred, Salem, Mass. Angle piece for roofs or sidings. 1,765,121; June 17.
- Auer, George S., Cleveland, Ohio. Hot-air-register construction. 1,785,993; Dec. 23.
- Auerbach, Karl, Saalfeld-on-the-Saale, Germany, assignor to H. F. Hoewel, New York, N. Y. Machine for forming cranks. 1,763,338; June 10.
- Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Cover plate for sound-wave apparatus or similar article. Des. 81,044; Apr. 29.
- Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Cover plate for sound-wave apparatus or similar article. Des. 81,045; Apr. 29.
- Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Pneumatic horn. 1,760,295; May 27.
- Aufuldish, John B., assignor to The Multiple Valve and Manufacturing Company, Dayton, Ohio. Multiple valve. 1,756,845; Apr. 29.
- Augenstein, Karl C. (See Speidel, E. F. M., and Augenstein.)
- Augenstein, Karl C., Cranston, assignor to Automatic Gold Chain Company, Providence, R. I. Flexible band. 1,766,971; June 24.
- Augenthaler, Friedrich A., Berlin, Germany. Chuck for torsional stresses. 1,783,870; Dec. 2.
- Augmentine Holding S. A. (See Matti, Jean, assignor.)

- Augstein, Adolph M., Great Neck, assignor to S. Augstein & Co., New York, N. Y. Knitted fabric. Des. 81,270; June 3.
- Augstein, Adolph M., and A. Egerer, Great Neck, N. Y. Knitted sweater. Des. 80,560; Feb. 25.
- Augstein, Adolph M., and A. Egerer, Great Neck, N. Y. Knitted sweater. Des. 80,561; Feb. 25.
- Augstein, S., & Co. (See Augstein, Adolph M., assignor.)
- Augstein, S. & Co. (See Egerer, August, assignor.)
- August, Nathan, jr., Newark, N. J. Mixing-faucet fixture. 1,743,804; Jan. 14.
- August, Nathan, jr., Newark, N. J. Mixing-faucet fixture. 1,754,217; Apr. 15.
- Auguste, Léon, and R. des Moutis, Paris, France. Apparatus for cutting threads applicable to all horizontal lathes. 1,761,768; June 3.
- Augustine, Charles C., North Liberty, Iowa. Violin bow. 1,784,038; Dec. 9.
- Aukenthaler, Richard, Cincinnati, Ohio. Toy blocks and connecting means therefor. 1,765,644; June 24.
- Aubach, Charles J., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Dual nozzle closure for containers. 1,758,916; May 20.
- Aubach, Charles J., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Mechanism for curling the edges of irregular-shaped containers. 1,764,239; June 17.
- Aubach, Charles J., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Pouring spout for containers. 1,768,098; June 24.
- Aubach, Charles J., and E. D. Anderson, Passaic, N. J., assignors to Continental Can Company, Inc., New York, N. Y. Metal container. 1,765,478; June 24.
- Aubach, Charles J., and W. F. Punte, Passaic, N. J., assignors to Continental Can Company, Inc., New York, N. Y. Easy-opening container. 1,750,380; Mar. 11.
- Aubach, Charles J., and W. F. Punte, Passaic, N. J., assignors to Continental Can Company, Inc., New York, N. Y. Spice dredge. 1,767,781; June 24.
- Auld, D. L., Company, The. (See Cochran, Rae E., assignor.)
- Auld, John A. (See Jones, E. F., and Auld.)
- Aull, Harry, assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Elastic webbing. Des. 81,319; June 10.
- Aull, Wilson, jr. (See Washington, B., and Aull.)
- Ault, David V., Morton, Pa. Producing a pigment. 1,784,411; Dec. 9.
- Ault, Van J., Fort Dodge, Iowa. Ice-cream carrier. 1,749,658; Mar. 4.
- Ault & Wiborg Co., The. (See Miller, Amos L., assignor.)
- Aultman, Joseph L., Gadsden, Ala. Sweeper. 1,784,567; Dec. 9.
- Aultman, Joseph T., Milwaukee, Wis. Billboard. Des. 81,320; June 10.
- Aulwes, Henry C., Hartford, S. Dak. Brush holder. 1,752,361; Apr. 1.
- Aune, Richard J., Fergus Falls, Minn. Drying apparatus. 1,751,023; Mar. 18.
- Aungst, Ira A., Canton, assignor to W. W. Billings, Rocky River, Ohio. Electrically-energized spring motor. 1,776,674; Sept. 23.
- Aurand, Omer R., Shamokin Dam, Pa. Combined light and signal. 1,782,334; Nov. 18.
- Auray, Adelbert R. (See Hayes, Neil G., assignor.)
- Aureli, Aurelio, Cogoleto, assignor to "Ilva" Alti Forni Fonderie & Acciaierie d'Italia, Genoa, Italy. Continuous heating furnace. 1,747,209; Feb. 18.
- Aurich, Peter, assignor to the firm Gebr. Eickhoff, Maschinenfabrik, Bochum, Germany. Shaking conveyer. 1,742,800; Jan. 7.
- Aurich, Peter, Bochum, assignor to the firm Gebr. Eickhoff, Maschinenfabrik, Bochum, Germany. Shaking conveyer. 1,767,425; June 24.
- Aurich, Peter, assignor to the firm Gebr. Eickhoff, Maschinenfabrik, Bochum, Germany. Conveying device. 1,769,171; July 1.
- Aurig, Max, Munich, Germany. Apparatus for treating gases. 1,760,623; May 27.
- Aurora Steel Products Company. (See Furnas, Don R., assignor.)
- Ausloos, Karel J. E. A., Schaarbeek, and J. W. A. Duden, Oude God, near Antwerp, assignors to Gevaert Photo Producten Naamloze Vennootschap, Oude God, Belgium. Film-protecting method and means. 1,747,656; Feb. 18.
- Auster, Louis, New York, N. Y. Bathing sandal. 1,769,328; July 1.
- Auster, Louis, New York, N. Y. Bathing sandal. 1,773,127; Aug. 19.
- Austin, Albert D., Portland, Oreg. Carburetor. 1,751,461; Mar. 25.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Support for transmission lines. 1,744,353; Jan. 21.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Cable-terminal housing. 1,748,696; Feb. 25.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Process and apparatus for testing insulators. 1,750,699; Mar. 18.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator pin. 1,750,769; Mar. 18.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator pin. 1,750,770; Mar. 18.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Condenser lightning protection device. 1,750,771; Mar. 18.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator bushing joint. 1,752,281; Mar. 25.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulated cable joint. 1,756,080; Apr. 29.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Outlet for multiple-conductor cables. 1,756,233; Apr. 29.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Apparatus for controlling breathing of oil-containing housings. 1,759,971; May 27.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Protective apparatus and circuits. 1,766,738; June 24.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator bushing. 1,766,869; June 24.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Transmission line. 1,773,659; Aug. 19.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Joint for covered conductors. 1,773,713; Aug. 26.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Cable joint. 1,773,714; Aug. 26.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Joint for cables. 1,773,715; Aug. 26.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Joint for conductor cables. 1,773,716; Aug. 26.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Joint for multiple-conductor cables. 1,779,415; Oct. 28.
- Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Joint for multiple-conductor high-tension cables. 1,779,416; Oct. 28.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. High-potential installation. 1,783,271; Dec. 2.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Support for transmission lines. 1,783,272; Dec. 2.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Pot head for conductors. 1,786,728; Dec. 30.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Pot head for insulated conductors. 1,786,729; Dec. 30.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Fitting for insulators. 1,786,730; Dec. 30.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Terminal housing for cables. 1,786,731; Dec. 30.
- Austin, Basil G., assignor to The Austin Organ Company, Hartford, Conn. Swell shutter. 1,770,260; July 8.
- Austin, Bernard F. (See Roeling, H. W., Austin, and Bauer.)
- Austin, Charles J., assignor to R. E. Roberts, Utica, N. Y. Shade holder. 1,782,159; Nov. 18.
- Austin, Ernest C., Los Angeles, Calif. Spring governor. 1,775,841; Sept. 16.
- Austin, Ernest C., Poughkeepsie, N. Y. Ball joint. 1,779,459; Oct. 28.
- Austin, Harold T., Lawrence, Mass., assignor, by mesne assignments, to The Hump Hairpin Manufacturing Company, Chicago, Ill. Hairpin. 1,742,181; Jan. 7.
- Austin, Herbert, Bromsgrove, England. Crank-shaft bearing. 1,764,672; June 17.
- Austin, Herbert, Bromsgrove, England. Wind screen for motor vehicles and the like. 1,775,083; Sept. 9.
- Austin, John B., Cleveland, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond and method of applying. 1,763,032; June 10.
- Austin, John, and H. Smith, Liverpool, England. Method of and in apparatus for treating the tubes of surface containers and the like to prevent corrosive action. 1,758,810; May 13.
- Austin, John T., assignor to The Austin Organ Company, Hartford, Conn. Swell-shutter-controlling mechanism. 1,765,492; June 17.
- Austin Machinery Corporation. (See Lamont, Henry, assignor.)
- Austin Manufacturing Co. (See Beatty, William T., assignor.)
- Austin Manufacturing Co. (See Wilson, Fred D., assignor.)
- Austin, Mary, Rosemont, Pa. Corn-pulp extractor. 1,750,210; Mar. 11.

Austin, Miner M., Waukegan, and L. J. Warner, North Chicago, assignors to Fansteel Products Company, Inc., North Chicago, Ill. Soldering contact points. 1,748,938; Mar. 4.

Austin Organ Company, The. (See Austin, Basil G., assignor.)

Austin Organ Company, The. (See Austin, John T., assignor.)

Austin, Robert A., Chicago, Ill. Appliance for invalids. 1,782,672; Nov. 25.

Austin, Septimous L., Laurel, Miss. Anvil knife for saw-mill hogs. 1,769,329; July 1.

Austin, William J., assignor of one-half to V. Dahl and E. L. Roscoe, San Francisco, Calif. Automobile brake. 1,777,246; Sept. 30.

Austin, Wray R., and J. N. Smith, assignors to F. G. Clark, Toronto, Ontario, Canada. Manufacture of anhydrous aluminum chloride. 1,752,936; Apr. 1.

Austral Window Company. (See Ellison, Edward H., assignor.)

Australasian Machine Proprietary Ltd. (See Ridley, Albert S., assignor.)

Austro Daimler-Puchwerke Aktiengesellschaft. (See Raab, Leopold, assignor.)

Auten, James E., Milwaukee, assignor to The Nash Motors Company, Kenosha, Wis. Boring machine. 1,744,095; Jan. 21.

Auteri, Michele, Milan, Italy, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemenstadt, near Berlin, Germany. Coin-collecting apparatus. 1,785,994; Dec. 23.

Auth, Charles, New York, assignor to E. L. Auth, Brooklyn, N. Y. Mail box. 1,770,188; July 8.

Auth, Emma L. (See Auth, Charles, assignor.)

Auto Brakeometer Corporation. (See McKinney, F. B., and Allen, assignors.)

Autocall Company, The. (See Elmore, Charles A., assignor.)

Autocall Company, The. (See Love, F. B., and Smith, assignors.)

Autocar Company, The. (See Bachman, B. B., and Clarke, assignors.)

Autodrink Corporation. (See Smith, Harry C., assignor.)

Autokal Syndicate Limited, The. (See Rowley, C. D., and Jackson, assignors.)

Autokraft Box Corporation. (See Adamson, Allan A., assignor.)

Autolux Sign Company. (See O'Brien, Norman B. M., assignor.)

Autolux Sign Company. (See Wise, William P., assignor.)

Automat Molding and Folding Company, The. (See Morris, H. A., and Aldrich, assignors.)

Automaten- & Fuellungs-Manufaktur, G. m. b. H. (See Pohl, Max J., assignor.)

Automatic Anchor-Control Corporation. (See Schauman, Frank, assignor.)

Automatic Anchor-Control Corporation. (See Schauman, Frank and B. M., assignors.)

Automatic Appliance Company, The. (See Zimmerli, Franz P., assignor.)

Automatic Ballast Spreader Corporation. (See Straw, Bernard W., assignor.)

Automatic Brake Control Company of Philadelphia. (See Furness, W. H., and Hansell.)

Automatic Burner Corporation. (See Perry, Stanley, assignor.)

Automatic Car Lock Company. (See Hicks, James A., assignor.)

Automatic Coffee Creamer Incorporation. (See Bronson, E. G., and Russell, assignors.)

Automatic Door and Equipment Co. (See Allen, Walter E., jr., assignor.)

Automatic Drive and Transmission Company. (See Knapp, David R., assignor.)

Automatic Drive and Transmission Company. (See Vail, Henry H., assignor.)

Automatic Electric Company. (See Wagner, Ralph W., assignor.)

Automatic Electric Inc. (See Bellamy, John I., assignor.)

Automatic Electric Inc. (See Bellamy, J. I., and Richardson, assignors.)

Automatic Electric Inc. (See Brandt, William A., assignor.)

Automatic Electric, Inc. (See Erickson, John, assignor.)

Automatic Electric Inc. (See Gillings, Charles, assignor.)

Automatic Electric Inc. (See Gohorel, Fernand P. A., assignor.)

Automatic Electric Inc. (See Gould, Roy F., assignor.)

Automatic Electric Inc. (See Hudd, Alfred E., assignor.)

Automatic Electric Inc. (See Lomax, Clarence E., assignor.)

Automatic Electric Inc. (See Nelson, Martin L., assignor.)

Automatic Electric Inc. (See Obergfell, Herbert F., assignor.)

Automatic Electric Inc. (See Ostline, John E., assignor.)

Automatic Electric Inc. (See Richardson, Rodney G., assignor.)

Automatic Electric Inc. (See Stehlik, Rudolph F., assignor.)

Automatic Electric Inc. (See Wicks, John, assignor.)

Automatic Electric Inc. (See Willis, Bernard D., assignor.)

Automatic Floor Waxing Machine Corporation. (See Isenman, George A., assignor.)

Automatic Gold Chain Company. (See Augenstein, Karl C., assignor.)

Automatic Gold Chain Company. (See Speidel, E. F. M., and Augenstein, assignors.)

Automatic Guns, Inc. (See Hudson, Robert F., assignor.)

Automatic Hi-Low Steam Pulsometer Company. (See Hubbard, Adra M., assignor.)

Automatic Merchandizer Inc., The. (See Lea, Charles, assignor.)

Automatic Molding Machine Corporation. (See Morris, T. O., and Lawlor, assignors.)

Automatic Motor Control Corporation. (See Zitzmann, George, assignor.)

Automatic Motor Stop and Start, Inc. (See Stevenson, M., and Good, assignors.)

Automatic Moulding Machines Limited. (See Breeden, Francis, assignor.)

Automatic Musical Instrument Company. (See Kenyon, Bertram C., assignor.)

Automatic Oilingsal Corporation. (See Morrow, Emmet H., assignor.)

Automatic Packaging Machinery Company. (See Van der Pyl, E., and Stimpson, assignors.)

Automatic Paper Machinery Co. (See Marcalus, Nicholas, assignor.)

Automobile Radio Corporation. (See Heina, William M., assignor.)

Automatic Recording Safe Company, The. (See Fisher, Charles, assignor.)

Automatic Refrigerating Company, The. (See Roberts, Leroy C., assignor.)

Automatic Registering Machine Company. (See Gustavson, Alvin N., assignor.)

Automatic Registering Machine Company. (See Staring, William H., assignor.)

Automatic Signal Corporation, The. (See Nelson, Robert O., assignor.)

Automatic Sprinkler Company of America. (See Hamilton, John R., assignor.)

Automatic Transmission Company. (See Lane, Albert M., assignor.)

Automatic Transmission Corporation of America. (See Gardner, Cummings, assignor.)

Automatic Transportation Company, The. (See Gfroerer, Albert H., assignor.)

Automatic Washer Company. (See Cammack, Clifton C., assignor.)

Automatic Washer Company. (See Nelson, John, assignor.)

Automatic Washer Company. (See Ogg, Harry L., assignor.)

Automatic Washer Company. (See Schroeder, Simon B., assignor.)

Automatic Water Softener Company. (See Dotterweich, Andrew J., assignor.)

Automatic Word Counter, Inc. (See Llorens, Louis M., assignor.)

Auto-Meter Company. (See Huggins, Merion J., assignor.)

Automobile "Lock-Alarm" Corporation. (See Bolduc, Joseph A., assignor.)

Automobile Radio Corporation. (See Helna, William M., assignor.)

Automotive Fan & Bearing Company. (See Funk, Truman B., assignor.)

Automotive Gear Works, Inc. (See Hamilton, Charles E., assignor.)

Automotive Maintenance Machinery Co. (See Heon, Horace C., assignor.)

Automotive Maintenance Machinery Co. (See Wacker, F. G., and Zimmerman, assignors.)

Automotive Patent Holding Company. (See Ahlm, C. E. F., and Soule, assignors.)

Automotive Valves Corporation, The. (See Burnett, Everett R., assignor.)

Autom-Spezial-Maschinen G. m. b. H. (See Schmidt, Edmund, assignor.)

Autopoint Company. (See Keeran, Charles R., assignor.)

Auto Prime Pump Company. (See Ferguson, Gale L., assignor.)

Auto Prime Pump Company. (See Ferguson, G. L., and Wood, assignors.)

Auto Prime Pump Company. (See Wood, Clarence G., assignor.)

Auto Ramps Corporation. (See Smith, Horace L., jr., assignor.)

Auto Research Corporation. (See Bifur, Joseph, assignor.)

Auto Research Corporation. (See Bloom, Edgar J., assignor.)

Auto Research Corporation. (See Thomas, Thomas R., assignor.)

Autosales Corporation. (See Grant, Garnet P., assignor.)

Auto Specialties Manufacturing Company. (See Luckner, Millard B., assignor.)

Auto Specialties Manufacturing Co. (See Peteler, Adolph, assignor.)

Autostrop Patents Corporation. (See Gaisman, Henry J., assignor.)

Autostrop Patents Corporation. (See Schumacher, Conrad, assignor.)

Autostrop Safety Razor Company. (See Gaisman, Henry J., assignor.)

Autoyre Company, The. (See Mosgrove, Charles A., assignor.)

Auvil, Daniel M., Ryderwood, Wash. Saw-supporting device. 1,761,249; June 3.

- Au Werter, Edith, Cleveland Heights, Ohio. Hat holder. 1,777,388; Oct. 7.
- Auxter, Ervin. (See Gray, H. D., Auxter, and Noble.)
- Avakoff, Harry B., and L. Thimme, Fairbanks, Alaska; said Thimme assignor to said Avakoff. Nut lock. 1,772,200; Aug. 5.
- Avers, Franklin H., Portage, Wis. Motion-picture machine. 1,762,378; June 10.
- Avery, B. F., & Sons. (See Ray, Charles T., assignor.)
- Avery, B. F., & Sons. (See Ray, C. T., and McDonald, assignors.)
- Avery, Edward S., East Hampton, N. Y. Coated pulley. 1,748,100; Feb. 25.
- Avery, Henry C., New Brunswick, N. J., assignor to The Flintkote Company, Boston, Mass. Flooring and the like and method of making. 1,754,253; Apr. 15.
- Avery, Henry W., Cleveland, Ohio. Device adapted to be screwed onto pipes or rods. 1,756,167; Apr. 29.
- Avery Power Machinery Co. (See Scranton, Charles J., Jr., assignor.)
- Avery, True M., Glens Falls, N. Y., assignor, by mesne assignments, to Marshall Field & Company, Chicago, Ill. Box-bag-packing device. 1,768,097; June 24.
- Avery, W. & T., Limited. (See Bradley, Leslie C., assignor.)
- Avery, W. & T., Limited. (See Sykes, C. M., and Binns, assignors.)
- Avery, W. & T., Limited. (See Timson, William, assignor.)
- Avery, Walter B. (See Brimer, Robert F., assignor.)
- Avery, William H. (See Schauman, Karl O., assignor.)
- Avey Drilling Machine Company, The. (See Friedl, Joseph, assignor.)
- Avey Drilling Machine Co., The. (See Mirrielees, James F., assignor.)
- Aveyard, Charles, Lowell, assignor to Whitin Machine Works, Whitinsville, Mass. Yarn stop motion for twisting machines. 1,783,897; Dec. 2.
- Avila, Enrique, Toluca, Mex. Universal gauge for pinions and escape wheels. 1,771,889; July 29.
- Avilla, Philip, San Francisco, Calif. Self-centering chuck. 1,747,657; Feb. 18.
- Avis, Samuel W., West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Conveyer. 1,763,738; June 17.
- Avlon, Theodore P., Schenectady, N. Y. Nonalcoholic beverage. 1,765,899; June 24.
- Avon Sole Company. (See Packard, Everett T., assignor.)
- Avorio, Luigi, Rome, Italy. Parachute. 1,743,951; Jan. 14.
- Avorio, Luigi, Rome, Italy. Elastically-deformable parachute. 1,784,774; Dec. 9.
- Avril, Arthur C., Cincinnati, Ohio. Container for transporting and mixing concrete. 1,761,063; June 3.
- Avril, Arthur C., Cincinnati, Ohio. Concrete-transporting vehicle. 1,778,348; Oct. 14.
- Awbrey, Ethel. (See Awbrey, Samuel C., assignor.)
- Awbrey, Samuel C., assignor to E. Awbrey, Kansas City, Mo. Screed holder. 1,751,785; Mar. 25.
- Awbrey, Samuel C., assignor to E. Awbrey, Kansas City, Mo. Stair nosing. 1,767,782; June 24.
- Awbrey, Samuel C., assignor to E. Awbrey, Kansas City, Mo. Desk, table top, and counter edging. 1,768,731; July 1.
- Awbrey, Samuel C., assignor to E. Awbrey, Kansas City, Mo. Binding strip for floor coverings. 1,769,283; July 1.
- Ax, Simon J., Longmont, Colo. Controlling mechanism for aeroplanes. 1,765,195; June 17.
- Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window-guide construction for removable sashes. 1,764,599; June 17.
- Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window frame and sash construction (removable sash). 1,777,513; Oct. 7.
- Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Ventilator construction for window frames. 1,780,665; Nov. 4.
- Axell, Fred H., Oakland, Calif. Attachment for containers. 1,782,886; Nov. 25.
- Axelson Machine Company. (See Platenberg, Herman W., assignor.)
- Axtell, Fred W., Fort Worth, Tex. Making couplings for sucker rods and the like. 1,753,638; Apr. 8.
- Axtell, Jay M., Fort Worth, Tex. Lubricating device for windmills. 1,779,267; Oct. 21.
- Ayars, Harry D., Salem, N. J. Depositor. 1,751,384; Mar. 18.
- Aycock, Robert V. (See Harris, W. D., and Aycock.)
- Ayers, Augustine R., Cleveland, Ohio. Bridge for steam-engine-exhaust nozzles. 1,760,576; May 27.
- Ayers, Augustine R., Cleveland, Ohio, assignor to A. R. Ayers and A. G. Hollingshead, trustees. Injector. 1,778,745; Oct. 21.
- Ayers, Augustine R., et al., trustees. (See Ayers, Augustine R., assignor.)
- Ayers, Everett, Brooklyn, assignor of one-third to H. Ayers, Chicago, and one-third to J. Ayers, Camden, Ill. Seed replanting attachment for cultivators. 1,783,032; Nov. 25.
- Ayers, Hester, et al. (See Ayers, Everett, assignor.)
- Ayers, James, et al. (See Ayers, Everett, assignor.)
- Ayers, Owen H., and C. Mobley, Dayton, Ohio. Bathroom equipment. 1,763,209; June 10.
- Ayler, Frank, Tacoma, Wash. Towing bar. 1,768,304; June 24.
- Aylwin, Ernest A., and F. R. Cowell, assignors to Kirkstall Forge Limited, Kirkstall, near Leeds, England. Driving gear for multiple driven axles of motor road vehicles. 1,742,889; Jan. 7.
- Ayotte, Joseph R., assignor to The Norlipp Company, Chicago, Ill. Cigar lighter. 1,769,912; July 8.
- Ayres, Arthur U. (See Jones, L. D., and Ayres.)
- Ayres, Elwood B., Melrose Park, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Machine for chilling and flaking soap. 1,762,043; June 3.
- Ayres, Eugene E., Jr., Swarthmore, assignor to B. A. S. Company, Philadelphia, Pa. Absorption of gasoline from natural gas. 1,768,521; June 24.
- Ayres, Ira H., New York, N. Y., and H. R. Pyne, Bernardsville, N. J. Condenser for internal-combustion engines. 1,754,298; Apr. 15.
- Ayres, Ira H., New York, N. Y., and H. R. Pyne, Bernardsville, N. J. Condenser for internal-combustion engines. 1,754,299; Apr. 15.
- Ayres, Ira H., New York, N. Y., and H. R. Pyne, Bernardsville, N. J. Steam cooling system for internal-combustion engines. 1,754,300; Apr. 15.
- Ayres, Ira H., New York, N. Y., and H. R. Pyne, Bernardsville, N. J. Cooling system for internal-combustion engines. 1,754,301; Apr. 15.
- Ayres, Richard S., Fort Thomas, Ky. Treating leather. 1,773,089; Aug. 19.
- Ayres, Virginia D., Berlin, Md. Rag doll. Des. 81,123; May 13.
- Ayyad, Hachig A., West New York, N. J. Hammer. 1,773,931; Aug. 26.
- Ayyad, Hachig A., West New York, assignor to The Ayyad Manufacturing Company, Hoboken, N. J. Life preserver. 1,773,932; Aug. 26.
- Ayyad Manufacturing Company, The. (See Ayyad, Hachig A., assignor.)
- Azarraga, Luis, Hempstead, N. Y. Camera. 1,748,379; Feb. 25.
- Azaray, Angel Z., Habana, Cuba. Railway switch. 1,778,478; Oct. 14.
- Aznak, Vahan and V. Bodourian, Los Angeles, Calif. Toy. 1,776,964; Sept. 30.
- B. A. S. Company. (See Ayres, Eugene E., Jr., assignor.)
- B and B Pipe Shops Corporation. (See Bardeen, Hugh A., assignor.)
- B & D Mfg. Co. (See Hecht, Paul O., assignor.)
- B. G. Corporation, The. (See Hurley, Roy T., assignor.)
- B. O. T. Mfg. Co. (See Tilden, Bert O., assignor.)
- B. R. E. Manufacturing Co. (See Leslie, Howard C., assignor.)
- B. S. & M. Scale Company Limited, The. (See Barrett, K. E., and Fuller, assignors.)
- B. V. D. Company. (See Ide, Walter D., assignor.)
- Baader, Rudolph, Lubeck, Germany. Apparatus for splitting open, cleaning, and removing the gills from herrings. 1,744,726; Jan. 28.
- Baash-Ross Tool Company. (See Brown, Alvis F., assignor.)
- Babb, Edwin, Aultman, Ohio, assignor, by mesne assignments, to National Fireproofing Corporation, Pittsburgh, Pa. Conduit. 1,785,403; Dec. 16.
- Babbitt, Arthur B., Kent, Ohio, Tamping machine. 1,767,197; June 24.
- Babbitt, Bethel J. (See Beath, C. P., and Babbitt.)
- Babbitt, Bethel J., Riverside, Ill. Method of and apparatus for detecting slight variations in a force. 1,746,627; Feb. 11.
- Babbitt, Elwin J., Holland, Mich. Fish lure. 1,758,817; May 13.
- Babbitt, John F., assignor to J. V. Pilcher, Louisville, Ky. Vanity case. 1,755,858; Apr. 22.
- Babbitt, John F., assignor to J. V. Pilcher, Louisville, Ky. Vanity box. 1,755,908; Apr. 22.
- Babbitt, John F., assignor to J. V. Pilcher, Louisville, Ky. Vanity case. 1,774,543; Sept. 2.
- Babcock, Garrison, Everett, Wash., assignor to American Telechronometer Company. Telechronometer. 1,747,210; Feb. 18.
- Babcock, Garrison, Seattle, Wash., assignor to American Telechronometer Company. Telephone instrument. 1,747,923; Feb. 18.
- Babcock, Leon W., Kenil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing low-density pulp. 1,777,710; Oct. 7.
- Babcock Manufacturing Company, The. (See Reynolds, Arthur W., assignor.)
- Babcock, Perez R., et al. (See Pelton, John C., assignor.)
- Babcock Printing Press Manufacturing Company, The. (See Hetherington, Howard L., assignor.)
- Babcock & Wilcox Company, The. (See Alden, Vern E., assignor.)
- Babcock & Wilcox Company, The. (See Black, John E., assignor.)
- Babcock & Wilcox Company, The. (See Bunker, Horace E., assignor.)
- Babcock & Wilcox Company, The. (See Cassidy, Perry, assignor.)
- Babcock & Wilcox Company, The. (See Davy, Christopher H., assignor.)
- Babcock & Wilcox Company, The. (See Fairchild, Frederick P., assignor.)
- Babcock & Wilcox Company, The. (See Hall-Brown, A., and Jones, assignors.)
- Babcock & Wilcox Company, The. (See Haniman, Charles J., assignor.)

- Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
- Babcock & Wilcox Company, The. (See Heimberger, George J., assignor.)
- Babcock & Wilcox Company, The. (See Jacobus, David, assignor.)
- Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
- Babcock & Wilcox Company, The. (See Jacobus, D. S., and Jones, assignors.)
- Babcock & Wilcox Company, The. (See Jones, Edwin W., assignor.)
- Babcock & Wilcox Company, The. (See Jones, William A., assignor.)
- Babcock & Wilcox Company, The. (See Kehoe, Basil T., assignor.)
- Babcock & Wilcox Company, The. (See Kemnal, James, assignor.)
- Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
- Babcock & Wilcox Company, The. (See Monroe, W. S., Heaton, and Jacobus, assignors.)
- Babcock & Wilcox Company, The. (See Paton, Robert, assignor.)
- Babcock & Wilcox Company, The. (See Savoye, Charles U., assignor.)
- Babcock & Wilcox Company, The. (See Shannon, Don H., assignor.)
- Babcock & Wilcox Company, The. (See Trainer, J. E., and Langvand, assignors.)
- Babcock & Wilcox Company, The. (See Weston, Sydney F., assignor.)
- Babcock & Wilcox Company, The. (See Whittam, Benjamin B., assignor.)
- Babcock & Wilcox Company, The. (See Witz, Henri E., assignor.)
- Babcock & Wilcox Tube Company, The. (See Ornitz, Nathaniel B., assignor.)
- Babcock, William S., et al. (See Seaman, Ernest W., assignor.)
- Babe, William E., assignor to The Pedlar People Limited, Oshawa, Ontario, Canada. Sheet-metal culvert. 1,783,597; Dec. 2.
- Baber Company. (See Baber, John L., jr., assignor.)
- Baber, John L., jr., New York, N. Y., assignor to Baber Company, Boston, Mass. Printing machine. 1,778,178; Oct. 14.
- Babin, Telephore, Houma, La. Lift pump. 1,747,537; Feb. 18.
- Babitch, Abraham M., assignor to A C Spark Plug Company, Flint, Mich. Oil-filter by-pass. 1,759,827; May 27.
- Babitch, Abraham M., assignor to A C Spark Plug Company, Flint, Mich. Laminated worm gear. 1,761,962; June 3.
- Babitch, Abraham M., assignor to A C Spark Plug Company, Flint, Mich. Oil filter. 1,761,963; June 3.
- Babitzky, Samuel, Chicago, Ill. Base for bird-cage stands or similar articles. Des. 82,720; Dec. 9.
- Babson Manufacturing Corporation. (See Stampen, Jacob J., assignor.)
- Babson, Roger W., Wellesley, Mass. Combined package and holder. 1,764,673; June 17.
- Bacca, Joseph P. (See Mainello, J., and Bacca.)
- Baccellieri Bros. (See Baccellieri, R., and De Rentiis, assignors.)
- Baccellieri, Raffaele, Philadelphia, and A. de Rentiis, Collingdale, Pa. Noodle-cutting machine. 1,775,505; Sept. 9.
- Baccellieri, Raffaele, Philadelphia, and R. De Rentiis, Collingdale; said De Rentiis assignor to Baccellieri Bros., Philadelphia, Pa. Macaroni machine. 1,779,580; Oct. 28.
- Baccich, Marco, Flume, and C. De-Filippi, Milan, Italy. Hydropneumatic reservoir for petrol fuels and the like. 1,759,727; May 20.
- Baccomo, Michele P., Greenfield, Calif. Bale-hoist hook. 1,766,091; June 24.
- Bach, Adolph D., Newtonville, Mass. Spring forming and hardening device. 1,763,610; June 10.
- Bach, Carl L., Limbach, Germany. Driving mechanism for intermittently-rotating shafts. 1,759,535; May 20.
- Bach, George W., assignor to Union Iron Works, Erie, Pa. Steam boiler. 1,750,985; Mar. 18.
- Bach, George W., assignor to Union Iron Works, Erie, Pa. Furnace. 1,763,210; June 10.
- Bach, Hermann, Essen, Germany. Biological purification of waste liquors from gas works, ammonia recovery plants, tar factories, and similar industries. 1,745,397; Feb. 4.
- Bach, Theodor, and J. Biersack, Munich, Germany. Lid with shearslike gripper. 1,748,437; Feb. 25.
- Bache, Ernest W., and J. Grice, assignors to George Salter and Company Limited, West Bromwich, England. Speed-controlling means for typewriter carriages. 1,753,195; Apr. 8.
- Bache, Ernest W., and J. Grice, assignors to George Salter and Company Limited, West Bromwich, England. Tabulating mechanism of typewriting machines. 1,772,768; Aug. 12.
- Bachelder, Elmer N., Portland, Me. Apparatus for infusing coffee, tea, and the like. 1,767,956; June 24.
- Bachelder, Frank H., Orange, Mass. Tool cabinet. 1,785,666; Dec. 16.
- Bachelder, William H. (See Wood, W. E., and Bachelder.)
- Bachelder, William H., Wood River, Ill., assignor to Standard Oil Company, Whiting, Ind. Filter-leaf construction. 1,787,100; Dec. 30.
- Bacheler, Robert S., Baltimore, Md. Heat diverter. 1,771,024; July 22.
- Bacher, Rollin L., Cleveland Heights, assignor to United States Air Compressor Company, Cleveland, Ohio. Motor base. 1,756,932; May 6.
- Bacher, Rollin L., Lakewood, assignor to The United States Air Compressor Company, Cleveland, Ohio. Fluid-dispensing apparatus. 1,781,045; Nov. 11.
- Bachman, Benjamin B., Philadelphia, Pa., and L. S. Clarke, Palm Beach, Fla., assignors to The Autocar Company, Ardmore, Pa. Internal-combustion engine. 1,782,187; Nov. 18.
- Bachman, Chester A., Los Angeles, Calif. Lamp or similar article. Des. 80,934; Apr. 15.
- Bachman, Chester A., Los Angeles, Calif. Lamp or similar article. Des. 81,571; July 15.
- Bachman, Frederick. (See Korany, Julius S., assignor.)
- Bachman, John S., Rome, assignor to E. Chappell, Atlanta, Ga. Machine for cleaning cotton and the like. 1,767,957; June 24.
- Bachmann, Michael G., Ashland, Ohio. Ingot-type metal mold. 1,771,110; July 22.
- Bachmann, Siegmund, Chicago, Ill. Folding box. 1,755,722; Apr. 22.
- Bachofen, Jacob. (See Dunning, W. E., and Bachofen.)
- Bachofen, Theodor J., Westbrook, Me. Process and apparatus for making double pile fabrics. 1,757,555; May 6.
- Bachon, Roger, assignor of one-half to Société Anonyme Des Usines De Rosieres, Bourges, France. Molding machine. 1,759,728; May 20.
- Bachor, Paul A. (See Stratton, Nathaniel A., assignor.)
- Back, Franz G., Stamford, Conn., assignor, by mesne assignments to The Photocor Corporation, New York, N. Y. Electrical apparatus. 1,770,121; July 8.
- Back, Robert. (See Mungen, D. D., and Back.)
- Back, Robert, assignor to The Wahl Company, Chicago, Ill. Fountain pen. Des. 81,223; May 27.
- Back, Robert, assignor to The Wahl Company, Chicago, Ill. Pencil. Des. 81,741; Aug. 5.
- Back, Robert, assignor to The Wahl Company, Chicago, Ill. Fountain pen. Des. 81,742; Aug. 5.
- Backer, Christian B., Brooklyn, N. Y. Electric heating device. 1,783,554; Dec. 2.
- Backer, George, Shamokin Dam, Pa. Cylinder potato digger. 1,753,189; Apr. 1.
- Backhus, Herman T., Woodridge, N. J. Auxiliary control for motor vehicles. 1,748,041; Feb. 18.
- Backman, Alfred, Halifax, Nova Scotia, Canada. Exhaust muffler. 1,759,679; May 20.
- Backman, Charles. (See Smith, V. A., and Backman.)
- Backmyer, Christopher F., Chicago, Ill. Cigar tray. 1,771,834; July 29.
- Backmyer, Christopher F., assignor to Magill-Weinshelmer Company, Chicago, Ill. Window display sign. 1,772,697; Aug. 12.
- Backstatter, Joseph, Winfield, N. Y. Abnormal-steam-pressure signal. 1,779,795; Oct. 28.
- Backstay Welt Company. (See Best, Frank A., assignor.)
- Bäckström, Mattias. (See Ruths, J., Frenne, and Bäckström.)
- Backus, A., jr., and Sons. (See Small, G. A., and Henze, assignors.)
- Backus, Albert H., Abington, Mass. Shoe welt. 1,778,577; Oct. 14.
- Backus, John C., and W. L. Pierotti, Smethport, Pa.; said Pierotti assignor to said Backus. Handy ash tray and emergency drinking cup. 1,751,463; Mar. 25.
- Backus, Rodman T. (See Gunderson, G., Erickson, and Backus.)
- Bacon, Albert S., et al. (See Headen, L. A., and Petit, assignors.)
- Bacon, Chester A., assignor to Bowen Products Corporation, Auburn, N. Y. Lubricating system. 1,759,429; May 20.
- Bacon, Gilbert C., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Delay-action detonator. 1,765,294; June 17.
- Bacon, Gilbert C., Tamaqua, Pa., assignor to Darco Corporation, Wilmington, Del. Sanitation of refrigerators. 1,787,231; Dec. 30.
- Bacon, Henry C., assignor to Harry C. Smith Company, Willimantic, Conn. Adjustable means for catching slugs in threads. 1,743,650; Jan. 14.
- Bacon, Henry S. (See Ferriter, J. P., and Bacon.)
- Bacon, James. (See Hutton, J., and Bacon.)
- Bacon, James, et al. (See Hutton, J., and Bacon, assignors.)
- Bacon, Miler M. (See Coe, R. W., and Bacon.)
- Bacon, Raymond F., Bronxville, N. Y. Recovery of sulphur from sulphides. 1,769,819; July 1.
- Bacon, Raymond F., Bronxville, N. Y. Recovery of sulphur from pyrites. 1,782,225; Nov. 18.
- Bacon, Raymond F., Bronxville, N. Y. Recovery of sulphur from iron pyrites. 1,782,226; Nov. 18.
- Baczewski, Scepán. (See Piekos, Tadeusz, assignor.)
- Baddley, James, assignor to British Dyestuffs Corporation Limited, Manchester, England. Dyeing of regenerated cellulose material. 1,757,158; May 6.

- Baddiley, James, assignor to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Relating to manufacture of new secondary disazo dyes from 1:8-aminonaphthol sulphonic acid. 1,757,500; May 6.
- Baddiley, James, assignor to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Application of secondary disazo dyes. 1,757,501; May 6.
- Baddiley, James, assignor to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Dyeing. 1,757,502; May 6.
- Baddiley, James, assignor to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Application of azo dyes. 1,757,503; May 6.
- Baddiley, James, Blackley, Manchester, assignor to British Dyestuffs Corporation Limited, Manchester, England. Dyeing. 1,757,505; May 6.
- Baddiley, James, assignor to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Manufacture of new secondary disazo dyes and their application. 1,757,506; May 6.
- Baddiley, James, R. Brightman, and P. Chorley, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Dyeing. 1,776,802; Sept. 30.
- Baddiley, James, and E. Chapman, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of absorbent materials. 1,777,459; Oct. 7.
- Baddiley, James, P. Chorley, and R. Brightman, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of new azo dyes. 1,757,496; May 6.
- Baddiley, James, P. Chorley, and R. Brightman, assignors to British Dyestuffs Corporation Limited, Manchester, England. Dyeing with azo dyes. 1,757,497; May 6.
- Baddiley, James, P. Chorley, and R. Brightman, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Dyeing with azo dyes. 1,757,498; May 6.
- Baddiley, James, P. Chorley, and R. Brightman, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. New secondary disazo dyes. 1,757,499; May 6.
- Baddiley, James, P. Chorley, and R. Brightman, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Dyeing regenerated cellulose silk. 1,757,504; May 6.
- Baddiley, James, P. Chorley, and R. Brightman, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. New primary disazo dyestuffs. 1,776,801; Sept. 30.
- Bade-Cummins Mfg. Company, The. (See Cummins, Norman W., assignor.)
- Badeker, John, Chicago, Ill. Metallic rod packing. 1,772,698; Aug. 12.
- Badenhausen, Phillips, Philadelphia, Pa. Steam boiler. 1,747,612; Feb. 18.
- Baden-Powell, Baden F. S., Riverhead, Sevenoaks, England. Centrifugal gun. 1,783,053; Nov. 25.
- Bader, Fred W., Hillsdale, N. J., assignor to J. Kridel, Sons & Co. Textile fabric. Des. 81,046; Apr. 29.
- Bader, Fred W., Millsdale, N. J. assignor to J. Kridel, Sons & Co. Textile fabric. Des. 81,428; June 24.
- Bader, Fred W., Hillsdale, N. J., assignor to J. Kridel, Sons & Co. Textile fabric. Des. 81,772; Aug. 12.
- Bader, Fred W., Hillsdale, N. J., assignor to J. Kridel, Sons & Co. Textile fabric. Des. 82,537; Nov. 18.
- Bader, Fred W., Hillsdale, N. J., assignor to J. Kridel, Sons & Co. Textile fabric. Des. 82,597; Nov. 25.
- Bäder- und Verkehrs-Aktiengesellschaft. (See Weissbein, Siegfried, assignor.)
- Badertscher, Otto J., Zurich, Switzerland. Servo-brake mechanism. 1,760,624; May 27.
- Badger, Arthur C., Newton, Mass. Impervious compressed-fluid container. 1,753,259; Apr. 8.
- Badger, E. B., & Sons Company. (See Campbell, Charles L., assignor.)
- Badger, E. B., & Sons Company. (See Greene, Charles E., assignor.)
- Badger, E. B., & Sons Company. (See Peters, William A., jr., assignor.)
- Badger, Edwin L., Spokane, Wash., assignor to Doherty Research Company, New York, N. Y. Water heater. 1,784,652; Dec. 9.
- Badger, Ernest C. (See Runge, A. C., and Badger.)
- Badger Gummed Tape Co. (See Stover, P. A., and Young, assignors.)
- Badger Manufacturing Corporation. (See Starck, William A., assignor.)
- Badger Meter Manufacturing Company. (See Krueger, Emil M., assignor.)
- Badgley, Ollie V., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Soldering machine. 1,753,639; Apr. 8.
- Badische Maschinenfabrik & Eisenglesserel vormals G. Sebold und Sebold & Neff. (See Nagel, O., and Kaempfer, assignors.)
- Baechtel, Henry A. (See Krause, F. W., and Baechtel.)
- Baechler, Walter, Lakewood, Ohio, assignor to National Carbon Company, Inc. Adjusting variable condensers. 1,746,411; Feb. 11.
- Baehn, Frederick, Jersey City, N. J. Radio loud-speaker. 1,782,801; Nov. 25.
- Baehr, Edward J. (See Dennis, W. R., and Baehr.)
- Baekeland, George, Scarsdale, assignor to Bakelite Corporation, New York, N. Y. Impregnated and coated fabric. 1,776,879; Sept. 30.
- Baender, Fred G., trustee. (See Nelson, O. J., and Baender, assignors.)
- Baender, Frederick G. (See Nelson, O. J., and Baender.)
- Baensch, Walter. (See Brandl, G., and Baensch.)
- Baer, Alfred, Berlin-Charlottenburg, Germany. Rotary valve for internal-combustion engines. 1,775,581; Sept. 9.
- Baer, Joseph. (See Reys, W. W., and Baer.)
- Baer, Lawrence E., assignor to Baer & Wilde Co., Attleboro, Mass. Collar holder. Des. 81,369; June 17.
- Baer, Lawrence E., assignor to Baer & Wilde Company, Attleboro, Mass. Bill holder. 1,753,186; Apr. 1.
- Baer & Wilde Company. (See Baer, Lawrence E., assignor.)
- Baerk Perkins Co. Inc. (See Baker, George R., assignor.)
- Baerman, Ralph, Rushford, Minn. Folding display cabinet. 1,777,542; Oct. 7.
- Baetz, Henry, St. Louis, Mo. Air heater. 1,758,643; May 13.
- Baetz, Henry, Montclair, N. J., assignor of one-half to C. I. Johnsen, Brooklyn, N. Y. Gas-generator oil heater. 1,747,613; Feb. 18.
- Baeuerle & Morris, Inc. (See Dorfner, Anton L., assignor.)
- Bag Frame and Components Company, The. (See Winning, John F. F.)
- Bagan, John P., Vancouver, British Columbia, Canada. Rotary cultivator. 1,776,612; Sept. 23.
- Bagasse Development Inc. (See Horn, Harry L., assignor.)
- Bagasse Products Corporation. (See de la Roza, Joaquin J., sr., assignor.)
- Bager, William M., and W. Lehman, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Excavating machinery. 1,773,252; Aug. 19.
- Bager, William M., and W. Lehman, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Creeping traction mounting. 1,773,253; Aug. 19.
- Bagert, John W., New Orleans, La. Cover for garbage containers. 1,770,385; July 15.
- Bagge, Ernest, et al. (See Bagge, Walter, assignor.)
- Bagge, Walter, assignor of one-third to E. Bagge and one-third to A. B. Imhoff, Los Angeles, Calif. Axle-bending apparatus. 1,777,686; Oct. 7.
- Baggstrom, Elias L., Mangere, Auckland, assignor to The Baggstrom Patent Motor Rim Company Limited, Touranga, New Zealand. Tire rim of motor and like vehicles. 1,759,386; May 20.
- Baggstrom Patent Motor Rim Company Limited, The. (See Baggstrom, Elias L., assignor.)
- Bagley, Archie C., et al. (See Hall, Charles S., assignor.)
- Bagley, Francis H., Savannah, Ga. Railway switch. 1,787,336; Dec. 30.
- Bagley, Robert M., Haddonfield, N. J., assignor to The R. M. Hollingshead Co. Apparatus for making soap solution. 1,751,301; Mar. 18.
- Bagley, Robert M., Haddonfield, N. J., assignor to The R. M. Hollingshead Co. Liquid mixer. 1,769,904; July 1.
- Bagley, Robert M., Haddonfield, N. J., assignor to The R. M. Hollingshead Co. Hydraulic brake fluid. 1,779,460; Oct. 28.
- Bagley and Sewall Company, The. (See Helin, Alfred F., assignor.)
- Bagnall, Edwin, Kenosha, Wis. Vehicle spring. 1,757,405; May 6.
- Bagnall, Edwin, Kenosha, Wis. Reflex spring. 1,757,406; May 6.
- Bagnall, Edwin, Toronto, Ontario, Canada. Spring control. 1,775,883; Sept. 16.
- Bagnall, Edwin, Kenosha, Wis. Spring controller. 1,778,056; Oct. 14.
- Bagshaw, W. H., Co. (See McCarter, F. W., assignor.)
- Bahan Textile Machinery Company. (See Bahan, William H., assignor.)
- Bahan Textile Machinery Company. (See Burgess, Abner E., assignor.)
- Bahan Textile Machinery Company. (See McDaniel, Lee, assignor.)
- Bahan, William H., Greenville, S. C. Bobbin Support. 1,766,809; June 24.
- Bahan, William H., Greenville, S. C. Adjustable gripper for shuttles. 1,784,266; Dec. 9.
- Bahan, William H., assignor to Bahan Textile Machinery Company, Greenville, S. C. Lay patch. 1,777,597; Oct. 7.
- Bahlke, William H. (See Wilson, R. E., and Bahlke.)
- Bahlke, William H., assignor to Standard Oil Company, Whiting, Ind. Distillation of hydrocarbon oils. 1,778,445; Oct. 14.
- Bahn, William B. (See Ashley, L. C., and Bahn.)
- Bahney, Robert H., Massillon, assignor of one-half to H. F. Frease, Canton, Ohio. Speed indicator and variable synchronizer. 1,781,866; Nov. 18.
- Bahnson Company, The. (See Bahnson, Frederic F., assignor.)
- Bahnson, Frederic F., Winston-Salem, N. C. Air-conditioning apparatus. 1,745,239; Jan. 28.
- Bahnson, Frederic F., assignor to The Bahnson Company, Winston-Salem, N. C. Safety control switch. 1,773,086; Aug. 12.

- Bahr, August T. J., Kansas City, Mo., assignors, by mesne assignments, to Chicago Business Men's Racing Association, Chicago, Ill. Starting machine. 1,770,450; July 15.
- Bahr, Emil, Dean, Mont. Alarm device. 1,782,378; Nov. 18.
- Baler, John M., Olmsted County, assignor of one-half to W. H. H. Greene, Rochester, Minn. Corn harvester. 1,749,749; Mar. 11.
- Baler, Ludwig S., Portland, Oreg. Material for building and other purposes. 1,754,707; Apr. 15.
- Baler, Ludwig S., Portland, Oreg., assignor, by mesne assignments, to Ice Cream Smack Corporation. Confection. 1,778,479; Oct. 14.
- Bailey, Albert W., New Haven, Conn. Support for chairs, stands, and the like. 1,755,311; Apr. 22.
- Bailey, Albert W., New Haven, Conn. Support for chairs, stands, and the like. 1,766,092; June 24.
- Bailey, Allen E., jr., Schenectady, N. Y., assignor to General Electric Company. Motion-damping means. 1,743,750; Jan. 14.
- Bailey, Allen E., jr., Schenectady, N. Y., assignor to General Electric Company. Signaling system. 1,770,829; July 15.
- Bailey, Austin, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Radio signaling system. 1,780,963; Nov. 11.
- Bailey, Austin, Freehold, N. J., and S. W. Dean, Houlton, Me., assignors to American Telephone and Telegraph Company. Radio signaling system. 1,780,962; Nov. 11.
- Bailey, Banks & Biddle Company, The. (See Constabel, Arthur A., assignor.)
- Bailey, Charles F., assignor to W. H. Sommer, Peoria, Ill. Twisting tool. 1,760,468; May 27.
- Bailey, Charles F., assignor to Keystone Steel & Wire Company, Peoria, Ill. Method and apparatus for continuous wire feeding. 1,787,301; Dec. 30.
- Bailey, Charles H. (See Chamberlain, T. B., and Bailey.)
- Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,771,604; July 29.
- Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,775,153; Sept. 9.
- Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,782,087; Nov. 18.
- Bailey, Daniel, Hasbrouck Heights, N. J., assignor to Merritt, Chapman & Scott Corporation, New York, N. Y. Marine steering gear. 1,759,082; May 20.
- Bailey, Earl W., et al. (See Stephens, R. W., and Wilcox, assignors.)
- Bailey, Ervin G., Cleveland Heights, Ohio, assignor, by mesne assignments, to Fuller Lehigh Company. Apparatus for feeding and metering pulverulent material. 1,764,998; June 17.
- Bailey, Ervin G., Cleveland Heights, Ohio, assignor, by mesne assignments, to Fuller Lehigh Company. Composition of matter. 1,771,605; July 29.
- Bailey, Ervin G., Easton, and E. M. Hardgrove, Bethlehem, assignors to Fuller Lehigh Company, Fullerton, Pa. Retaining means for furnace-wall blocks. 1,747,614; Feb. 18.
- Bailey, Fred A., Omaha, Nebr. Window ventilator. 1,769,484; July 1.
- Bailey, Frederick E., Elwood, near Melbourne, Victoria, Australia. Recovery of grease or fat. 1,770,476; July 15.
- Bailey, Herbert L., Philadelphia, Pa. Method and machine for file grinding. 1,777,135; Sept. 30.
- Bailey, Howard C., Los Angeles, Calif., assignor, by mesne assignments, to R. W. Tull, Fanwood, N. J. Table top. 1,749,750; Mar. 11.
- Bailey, James A., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,765,365; June 24.
- Bailey, John H. (See Jones, W. W., and Bailey.)
- Bailey, Joseph O., Atlanta, Ga. Agitating conveyor. 1,763,121; June 10.
- Bailey, Joseph O., Atlanta, Ga. Spray conveyor. 1,763,122; June 10.
- Bailey, Kenneth J., Great Falls, Mont. Device for expanding and mounting-piston rings. 1,755,044; Apr. 15.
- Bailey, Lawrence H., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Compressing machine. 1,787,842; Oct. 21.
- Bailey, Lawrence H., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Compressing machine. 1,768,500; June 24.
- Bailey, Matthew L., and W. Burgess, Cross Keys, near Newport, South Wales. Domestic water-heating apparatus. 1,744,434; Jan. 21.
- Bailey, Otterbein A., Chicago, Ill., assignor to Chicago Bridge & Iron Co. Drainage apparatus for floating roofs. 1,761,700; June 3.
- Bailey, Percy S., Marblehead, Mass., assignor to General Electric Company. Lamp socket. 1,773,292; Aug. 19.
- Bailey, Percy S., Marblehead, Mass., assignor to General Electric Company. Flood-lighting device. 1,780,666; Nov. 4.
- Bailey, Richard O. (See Gray, D., Bailey, and Murray.)
- Bailey, Richard O., Oneida, and W. S. Murray, Utica, assignors to Oneida Community, Limited, Oneida, N. Y. Producing tarnish-resisting silver and silver plate. 1,773,702; Aug. 19.
- Bailey, Robert J. (See Hatch, John L., assignor.)
- Bailey, Walter C., Norwalk, Calif. Continuous cracking still. 1,766,209; June 24.
- Bailey, Walter T. (See Federwitz, T. A., and Bailey.)
- Bailey, William B., Olympia, Wash. Threshold weather-strip. 1,785,431; Dec. 16.
- Bailey, William M. (See Proctor, J. A., and Bailey.)
- Bailey, William M., Lynn, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Apparatus unit. 1,775,616; Sept. 9.
- Bailey, Wells S., Detroit, Mich. Carbon-monoxide consumer. 1,750,342; Mar. 11.
- Baillie, Jesse W., Newark, Ohio. Nonskid brake. 1,753,588; Apr. 8.
- Baily, Thaddeus F., Alliance, Ohio. Reduction of ores of reducible oxides. 1,775,713; Sept. 16.
- Baily, Thaddeus F., Alliance, Ohio. Making phosphoric acid and cyanamide. 1,775,802; Sept. 16.
- Baily, Thaddeus F., Alliance, Ohio. Electric refining furnace. 1,778,578; Oct. 14.
- Baily, Thaddeus F., Alliance, and L. G. Pritz, Canton, Ohio; said Pritz assignor to said Baily. Slag-reducing process. 1,754,845; Apr. 15.
- Bainbridge, Alphaeus C., and E. Burns, Los Angeles, and J. M. Alexander, Southgate, Calif. Collapsible rotary spear. 1,776,989; Sept. 30.
- Bain, Clarence J. (See Olsen, F., and Bain.)
- Bain, Clarence J., and G. C. Hale, Dover, N. J. Smoke charge for practice shells. 1,774,466; Aug. 26.
- Bainbridge, Kenneth T., New York, N. Y., assignor to General Electric Company. Circuit-controlling apparatus. 1,747,044; Feb. 11.
- Baine, James C., Michigan City, Ind. Exercising apparatus. 1,744,607; Jan. 21.
- Bainton, George W., Cranston, R. I., assignor to Roland and Whytock Company Inc. Connector for necklaces and the like. 1,774,347; Aug. 26.
- Baird, Archie M., Topeka, Kans. Pressure regulator for air service apparatus. 1,751,970; Mar. 25.
- Baird, Archie M., deceased, and F. J. Partridge, M. L. Baird, administratrix, assignors to Baird Pneumatic Register Company, Topeka, Kans. Air-service control and register for pneumatic tires. 1,786,103; Dec. 23.
- Baird, Arthur J., Portland, Oreg. Preheater apparatus for oil burners. 1,761,975; June 3.
- Baird, Arthur J., Portland, Oreg., assignor to Baird Automatic Pre-Heater Co. Regulating apparatus for oil burners. 1,752,548; Apr. 1.
- Baird Automatic Pre-Heater Co. (See Baird, Arthur J., assignor.)
- Baird, Dudley. (See Fowler, E. J., and Baird.)
- Baird, Edward P., Evanston, Ill. Lock. 1,767,643; June 24.
- Baird, George C., Los Angeles, Calif. Shoe press. 1,779,081; Oct. 21.
- Baird, John L., assignor to Television Limited, London, England. Facsimile telegraphy. 1,757,352; May 6.
- Baird, John L., assignor to Television Limited, London, England. Recording of views of objects or scenes or optical images or the like. 1,776,097; Sept. 16.
- Baird, John L., assignor to Television Limited, London, England. Television or like system and apparatus. 1,781,210; Nov. 11.
- Baird, John L., assignor to Television Limited, London, England. Transmitting signals. 1,781,799; Nov. 18.
- Baird, John L., assignor to Television Limited, London, England. Television apparatus and the like. 1,781,800; Nov. 18.
- Baird, Lynne D., Tulsa, Okla. Pump. 1,769,820; July 1.
- Baird, Lynne D., Tulsa, Okla. Wrench. 1,787,185; Dec. 30.
- Baird Machine Company, The. (See Lewis, Arthur J., assignor.)
- Baird, Mary L., administratrix. (See Baird, A. M., and Partridge.)
- Baird Pneumatic Register Company. (See Baird, A. M., and Partridge, assignors.)
- Baird, Thomas O. (See Baird, William H. and T. O.)
- Baird, William F. (See Smith, Albert C., assignor.)
- Baird, William H. and T. O., Grandview, Wash. Tire rim. 1,769,097; July 1.
- Baits, Stuart G. (See Fekete, S. I., and Baits.)
- Baits, Stuart G., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Power-transmitting mechanism. 1,763,739; June 17.
- Bakehouse, Dietrich C., North Hollywood, Calif. Door. 1,787,302; Dec. 30.
- Bakelite Corporation. (See Ahlbeck, Harry W., assignor.)
- Bakelite Corporation. (See Baekeland, George, assignor.)
- Bakelite Corporation. (See Brock, Frank P., assignor.)
- Bakelite Corporation. (See Cheetham, Harold C., assignor.)
- Bakelite Corporation. (See Mills, Harry P., assignor.)
- Bakelite Corporation. (See Peakes, Gilbert L., assignor.)
- Bakelite Corporation. (See Schrimpe, Conrad F., assignor.)
- Bakelite Corporation. (See Wakefield, Harold F., assignor.)
- Bakelite Limited. (See Lloyd, Arthur, assignor.)
- Baker, Arthur K., Chicago, assignor to Heggie Simplex Boiler Company, Joliet, Ill. Draft-door apparatus. 1,767,271; June 24.
- Baker, Arthur R., assignor to I. T. Swartz, Indianapolis, Ind. Internal-combustion engine. 1,775,303; Sept. 9.

- Baker, Benjamin, Douglass, Tex. Bermuda-grass-eradicating machine. 1,779,027; Oct. 21.
- Baker, Bert F. (See Knox, H. A., and Baker.)
- Baker, Bertram B. (See Wilder, E. B., Baker, and Wilder.)
- Baker Brothers, Inc. (See Hallenbeck, George E., assignor.)
- Baker, Charles E., Newton, Iowa. Liquid-dispensing attachment. 1,745,656; Feb. 4.
- Baker, Charles W., Lake Charles Park, Mo. Burial apparatus. 1,755,170; Apr. 22.
- Baker, Chester A., assignor to Baker Ice Machine Co., Inc., Omaha, Nebr. Refrigerated container. 1,748,324; Feb. 25.
- Baker, Clifford H., assignor to V. V. Fittings Company, Philadelphia, Pa. Swivel joint for electrical fittings. 1,778,658; Oct. 14.
- Baker & Company. (See Keitel, Christian W., assignor.)
- Baker & Co. (See Zachiegner, Herbert E., assignor.)
- Baker, David B. (See Johnston, E. A., Baker, and Hagen.)
- Baker, David B. (See Johnston, E. A., Benjamin, Baker, and Hagen.)
- Baker, David S. (See Johnsen, Bjornulf, assignor.)
- Baker, David S., Greenwich, Conn., and B. Johnsen, Brooklyn, N. Y.; said Johnsen assignor to said Baker. Apparatus for handling materials. 1,772,024; Aug. 5.
- Baker, Delbert, assignor of one-half to J. J. Friel, Tulsa, Okla. Wire-line socket. 1,746,759; Feb. 11.
- Baker, Dexter C., Oakland, assignor to Baker-Hansen Manufacturing Co., Alameda, Calif. Rotary pump. 1,782,771; Nov. 25.
- Baker, Donald A., Cleveland, assignor to J. W. Fecker, Cleveland, Ohio. Telescope-sight mounting. 1,770,451; July 15.
- Baker, Edward A., Mansfield, Ohio. Guard cage. 1,755,495; Apr. 22.
- Baker, Edwin M. (See Leslie, E. H., and Baker.)
- Baker, Ella S., Kansas City, Mo. Apron. Des. 80,474; Feb. 11.
- Baker, Erle K., Chicago, Ill. Split-rim operating tool. 1,742,373; Jan. 7.
- Baker, Erle K., Chicago, Ill. Spare-wheel carrier. 1,765,785; June 24.
- Baker, Erle K., Chicago, Ill. Hydraulic chassis control. 1,770,096; July 8.
- Baker, Erle K., Chicago, Ill., assignor, by mesne assignments, to Motor Wheel Corporation, Lansing, Mich. Dual-wheel mounting. 1,769,903; July 1.
- Baker, Eugene L., Taunton, Mass. Automobile attachment. 1,744,727; Jan. 28.
- Baker, Eugene L., Taunton, Mass. Stove bottom. 1,744,728; Jan. 28.
- Baker, Flora B., Grants Pass, Oreg. Emgry. 1,756,420; Apr. 29.
- Baker, Frank C., McCamey, Tex. Shock absorber for oil-well pump rods. 1,750,917; Mar. 18.
- Baker, Frederick C., Portland, Oreg. Semiindirect diffusing bowl. Des. 82,715; Dec. 2.
- Baker, Frederick W., Stourbridge, England, assignor to Trinity Wheel Corporation, New York, N. Y. Vehicle wheel. 1,748,058; Feb. 25.
- Baker, Frederick W., Stourbridge, England, assignor to Trinity Wheel Corporation. Vehicle wheel. 1,777,711; Oct. 7.
- Baker, Frederick W., Stourbridge, England, assignor to Trinity Wheel Corporation, New York, N. Y. Wheel felly. 1,785,995; Dec. 23.
- Baker, George R. (See Kirman, H., and Baker.)
- Baker, George R. (See Paterson, J. C., and Baker.)
- Baker, George R. (See Savy, R., Baker, and Prescott.)
- Baker, George R., London, England, assignor to Baker Perkins Co. Inc., Saginaw, Mich. Mold such as used in the manufacture of wafer biscuits and for other purposes. 1,763,211; June 10.
- Baker, George R., and W. E. Prescott, Willesden Junction, London, England, assignors to Baker Perkins Company Incorporated, New York, N. Y. Method and apparatus for concentrating and evaporating sugar sirups. 1,744,096; Jan. 21.
- Baker, George R., C. Dumbleton, and J. C. Paterson, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Unloading and stacking mechanism for biscuit ovens. 1,750,452; Mar. 11.
- Baker, Gilbert L., Oakland, assignor to W. P. Grant, Berkeley, Calif. Valve. 1,763,942; June 17.
- Baker, Guy. (See Stanford, F. G. and Baker.)
- Baker, Guy B., Red Bluff, Calif. Citrus-fruit-juice extractor. 1,754,591; Apr. 15.
- Baker, G. W., Machine Company. (See Layton, Harry B., assignor.)
- Baker-Hansen Manufacturing Co. (See Baker, Dexter C., assignor.)
- Baker, Harry. (See Rundell, Raymond R., assignor.)
- Baker, Harry M., Wilkesburg, and J. R. Gier, jr., Pittsburg, Pa. Toilet article. 1,766,478; June 24.
- Baker, Harry S. (See Borden, P. A., Baker, and Palne.)
- Baker, Herbert K., Detroit, Mich., assignor to Penn Metal Company, Cambridge, Mass. Metal lath. 1,762,332; June 10.
- Baker, Hiram L., Leland, Ill. Corn picker. 1,777,112; Sept. 30.
- Baker, Howard H., assignor to Ready Heat Products, Inc., Buffalo, N. Y. Composition for chemical heaters. 1,760,102; May 27.
- Baker, Hugh J., Indianapolis, Ind. Adjustable shore. 1,762,567; June 10.
- Baker Ice Machine Co. (See Baker, Chester A., assignor.)
- Baker Ice Machine Co., Inc. (See Hoffman, John F., assignor.)
- Baker, James C., assignor of one-third to R. L. Davis, sr., and one-third to A. J. Ohler, Lincoln, Nebr. Wrench. 1,785,925; Dec. 23.
- Baker, James F., Los Angeles, Calif. Safety attachment for pocketbooks and the like. 1,760,864; June 3.
- Baker, James N., Baltimore County, assignor to The Black and Decker Manufacturing Company, Towson Heights, Md. Brush holder for electric tools. 1,751,462; Mar. 25.
- Baker, John C., Nutley, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Preventing the formation of scums and films due to the growth of organisms on surfaces in contact with water. 1,745,141; Jan. 28.
- Baker, John C., Lake Bluff, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Breaker mechanism. 1,780,415; Nov. 4.
- Baker, John H. E. (See Wright, E. P. G., Baker, and Cameron.)
- Baker, John R., and R. B. Parsons, Pacific Grove, Calif. Mason's molding trowel. 1,744,097; Jan. 21.
- Baker, Joseph J., Kokomo, Ind. Floating power plant. 1,764,820; June 17.
- Baker, Marlin C., and W. A. Dingman, assignors, by mesne assignments, to Parker Rust Proof Company, Detroit, Mich. Treating ferrous metal articles. 1,761,186; June 3.
- Baker, Melvin G., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch. 1,742,492; Jan. 7.
- Baker, Melvin G., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Forming connections. 1,744,199; Jan. 21.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Bridge for an ophthalmic mounting. Des. 80,254; Jan. 7.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Bridge for an ophthalmic mounting. Des. 80,255; Jan. 7.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. End piece for an ophthalmic mounting. Des. 82,473; Nov. 11.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. End piece for an ophthalmic mounting. Des. 82,474; Nov. 11.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Guard for an ophthalmic mounting. Des. 82,651; Dec. 2.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Goggles. 1,751,024; Mar. 18.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Lens cutter. 1,770,452; July 15.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,779,155; Oct. 21.
- Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
- Baker, Paul W., assignor to Wagner Electric Corporation, St. Louis, Mo. Brush holder. 1,785,996; Dec. 23.
- Baker Perkins Company. (See Baker, G. R., Dumbleton, and Paterson, assignors.)
- Baker Perkins Company. (See Devlin, Henry, assignor.)
- Baker Perkins Company. (See Eggert, Gustav B., assignor.)
- Baker Perkins Company. (See Engels, Eugene O., assignor.)
- Baker Perkins Company. (See Harber, Laurence S., assignor.)
- Baker Perkins Company. (See Kirman, H., and Baker, assignor.)
- Baker Perkins Company. (See Paterson, John C., assignor.)
- Baker Perkins Company. (See Plater, Albert S., assignor.)
- Baker Perkins Company. (See Prescott, William E., assignor.)
- Baker Perkins Company. (See Savy, R., Baker, and Prescott, assignors.)
- Baker Perkins Company. (See Schmierer, Eugene, assignor.)
- Baker Perkins Company. (See Thurm, Richard, assignor.)
- Baker Perkins Company. (See Thurm, R., and Engels, assignor.)
- Baker Perkins Company. (See Thurm, R., and Schmierer, assignors.)
- Baker Perkins Company. (See Tugendhat, Robert G., assignor.)
- Baker Perkins Company, Incorporated. (See Baker, G. R., and Prescott, assignors.)
- Baker Perkins Company Incorporated. (See Harber, L. S., and Pointon, assignors.)
- Baker Perkins Co. Inc. (See Head, Ronald, assignor.)
- Baker Perkins Company, Incorporated. (See Paterson, J. C., and Baker, assignors.)
- Baker Perkins Company Incorporated. (See Pointon, J. E., and Harber, assignors.)
- Baker, Perkins, Limited. (See Harris, Richard A., assignor.)
- Baker, P. R. (See Barnes Harold S., assignor.)
- Baker-Raulang Company, The. (See Pearsons, Ernest T., assignor.)

- Baker-Raulang Company, The. (See Remde, Edward H., assignor.)
- Baker-Raulang Company, The. (See Seeley, Hugh C., assignor.)
- Baker-Rauling Company, The. (See Stoner, Frank, assignor.)
- Baker, Reginald H., and C. W. Parsons, Aston, Birmingham, England. Electric switch. 1,783,690; Dec. 2.
- Baker, Reuben C., Coalinga, Calif. Guiding, floating, and cementing device for well casings. 1,748,007; Feb. 18.
- Baker, Reuben C., Coalinga, Calif. Wrist pin. 1,756,504; Apr. 29.
- Baker, Reuben C., Coalinga, Calif. Counterbalance. 1,770,601; July 15.
- Baker, Reuben C., Coalinga, Calif., assignor to Baker Oil Tools, Inc. Core drill. 1,756,503; Apr. 29.
- Baker, Reuben C., Coalinga, Calif., assignor to Baker Oil Tools, Inc. Well-casing-centering device. 1,767,193; June 24.
- Baker, Reuben C., Coalinga, Calif., assignor to Baker Oil Tools, Inc. Floating and cementing plug. 1,776,613; Sept. 23.
- Baker, Reuben C., Coalinga, Calif., assignor to Baker Oil Tools, Inc. Screen plug for core barrels. 1,784,886; Dec. 16.
- Baker, Richard D., Spokane, Wash. Safety razor. 1,782,455; Nov. 25.
- Baker, Robert D., Birmingham, Mich., assignor to Blaw-Knox Company, Pittsburgh, Pa. Fine-grading machine. 1,768,657; July 1.
- Baker, Robert E. (See Frick, C. A., and Baker.)
- Baker, Robert M., Toledo, Ohio. Furnace casing. Des. 81,824; Aug. 19.
- Baker, Robert N., Fort Worth, Tex. Advertising tower. 1,775,267; Sept. 9.
- Baker, Ross A., and C. C. Carpenter, Syracuse, N. Y. Method of and product for promoting plant growth. 1,747,281; Feb. 18.
- Baker, Russell W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Method and machine for lining an armature core with a flexible strip. Re17,800; Sept. 16.
- Baker, Russell W., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Armature-conveying apparatus. 1,753,640; Apr. 8.
- Baker, Russell W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Commutator-sawing machine. 1,761,032; June 3.
- Baker, Russell W., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Machine for removing surplus insulation from the armatures of dynamo-electric machines. 1,761,033; June 3.
- Baker, S. N. (See Lines, Grant, assignor.)
- Baker, Theodore E., Long Beach, assignor to Aero Liquid Meter Corporation, Los Angeles, Calif. Measuring liquids. 1,766,581; June 24.
- Baker, Thomas A., Bakersfield, Calif. Rotary internal-combustion engine. 1,750,502; Mar. 11.
- Baker, Thomas Y., and R. W. Cheshire, Teddington, assignors to Cooke, Troughton & Simms Limited, York, England. Theodolite and other angle-measuring instrument. 1,754,872; Apr. 15.
- Baker, W. E. B. (See Baker, W. E. B., and Roberts, assignors.)
- Baker, Walter G., Salem, Oreg. Animal trap. 1,755,947; Apr. 22.
- Baker, Walter J., Chillicothe, Mo. Rotary vaporizing carburetor. 1,756,805; Apr. 29.
- Baker, Walter R. G., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. 1,755,859; Apr. 22.
- Baker, Webster E. B., York Haven, Pa. Sulphite waste-liquor product and making same. 1,764,600; June 17.
- Baker, Webster E. B., Brooklyn, N. Y. Sulphite wood pulp and making the same. 1,773,419; Aug. 19.
- Baker, Webster E. B., and F. G. Roberts, York Haven, Pa., assignors by mesne assignments to W. E. B. Baker, Brooklyn, N. Y. Product and process of making the same from sulphite waste liquors. 1,764,601; June 17.
- Baker, Wellington W., Sheffield, Iowa. Fertilizer spreader. 1,779,926; Oct. 28.
- Baker, William E., et al., trustees. (See Baker, W. E., and Aland, assignors.)
- Baker, William E., and R. C. Aland, assignors to W. E. Baker and G. A. Frantz, trustees of The Web Engineering Company, Cleveland, Ohio. Low-water control for steam generators. 1,746,574; Feb. 11.
- Baker, William H., Des Moines, Iowa. Tractive-power unit. 1,743,751; Jan. 14.
- Baker, William H., Montreal, Quebec, Canada. Let-off for looms. 1,749,120; Mar. 4.
- Baker, William J., Newport, Ky. Screen mounting for revolving windows. 1,778,713; Oct. 21.
- Baker, William J., Newport, Ky. Child's vehicle. 1,778,928; Oct. 21.
- Baker, William P., et al. (See Grim, John W., assignor.)
- Baker, William S., assignor to Illinois Piston and Ring Company, Fort Worth, Tex. Piston ring. 1,750,381; Mar. 11.
- Bakeries Service Corporation. (See Kinkenon, Frank R., assignor.)
- Bakken, Andrew H. (See MacNeill, J. B., Bakken, and Tucker.)
- Bakken, Andrew H., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,744,200; Jan. 21.
- Bal, Victor, Hyannis, Nebr. Hay loader. 1,782,227; Nov. 18.
- Balash, Alexander, Vaux Hall, N. J. Air-regulating device for internal-combustion engines. 1,785,726; Dec. 23.
- Balazinski, Louis, East Port Chester, Conn. Airship. 1,784,775; Dec. 9.
- Baldea, John G., Salt Lake City, Utah. Artificial calf. 1,747,965; Feb. 18.
- Baldenhofer, Christian, Springfield, Ohio. Packaging machine. 1,771,869; July 29.
- Baldi, John. (See Molinari, R. and Baldi.)
- Balduf, Bruno E., assignor to The United States Gypsum Co., Chicago, Ill. Sound-insulating construction. 1,754,411; Apr. 15.
- Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Sound-insulated building. 1,773,412; Oct. 14.
- Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Building insulation. 1,786,732; Dec. 30.
- Balduf, Frederick H., Binghamton, N. Y. Name plate. 1,779,796; Oct. 28.
- Baldwin, Charles E., Stanhope, N. J., assignor to American Telephone and Telegraph Company. Plugging cables. 1,762,255; June 10.
- Baldwin, Clarence D., Bellingham, Wash. Railroad-rail straightener. 1,752,629; Apr. 1.
- Baldwin, Earl F., and F. E. Woods, assignors to American Fibre Corporation, Gardner, Mass. Machine for making fiber reed. 1,760,536; May 27.
- Baldwin, Ernest W., and G. D. Baldwin, assignors, by mesne assignments, to The Gleaner Combine Harvester Corporation, Independence, Mo. Tractor hitch. 1,775,268; Sept. 9.
- Baldwin, Eugene N., Donora, Pa. Electric brake. 1,775,582; Sept. 9.
- Baldwin, George D. (See Baldwin, Ernest W. and G. D.)
- Baldwin, George D., New York, N. Y. Industrial railway track. 1,753,327; Apr. 8.
- Baldwin, Henry S., Swampscott, Mass., assignor to General Electric Company. Vehicle ventilating system. 1,746,181; Feb. 4.
- Baldwin, James L., Chicago, Ill. Cash carrier. 1,784,776; Dec. 9.
- Baldwin, James P., and C. Garver, Los Angeles, Calif.; said Garver assignor to said Baldwin. Shock absorber. 1,784,328; Dec. 9.
- Baldwin, Lewis H., Oklahoma City, Okla. Emergency wheel for aeroplanes. 1,750,950; Mar. 18.
- Baldwin Locomotive Works et al. (See Titren, Gerald E., assignor.)
- Baldwin Locomotive Works, The. (See Vauclain, Samuel M., assignor.)
- Baldwin, Luther C., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Tension device for shuttles. 1,764,710; June 17.
- Baldwin, Luther C., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Shuttle tension. 1,772,449; Aug. 12.
- Baldwin, Luther C., assignor, by mesne assignments, to U. S. Bobbin & Shuttle Company, 1929, Providence, R. I. Spool or bobbin. 1,781,801; Nov. 18.
- Baldwin, Melvin D., A. S. Kurkjian, and T. R. Renwick, assignors to Oliver Machinery Company, Grand Rapids, Mich. Mortising machine. 1,748,325; Feb. 25.
- Baldwin, Nathaniel, East Mill Creek, Utah. Diaphragm. 1,744,032; Jan. 21.
- Baldwin, Nathaniel, East Mill Creek, Utah. Acoustic diaphragm and loud-speaker combination. 1,753,979; Apr. 8.
- Baldwin, Nathaniel, East Mill Creek, Utah. Acoustic diaphragm and loud-speaker combination. 1,761,100; June 3.
- Baldwin, Nathaniel, East Mill Creek, Utah. Acoustic diaphragm and mounting. 1,763,876; June 17.
- Baldwin, Nathaniel, East Mill Creek, Utah. Loud-speaker armature. 1,772,125; Aug. 5.
- Baldwin, Nathaniel, East Mill Creek, Utah. Loud-speaker. 1,778,711; Oct. 21.
- Baldwin, Wilbur M., administrator. (See Parsons, Ernest P.)
- Baldwin, William E., New York, N. Y. Golf tee. 1,783,211; Dec. 2.
- Baldygar, Stephen, Racine, Wis. Radiator-heating connection for boilers. 1,762,808; June 10.
- Bale, Lawrence D., Cleveland, assignor to Union Metal Manufacturing Company, Canton, Ohio. Anchorage for poles. 1,784,568; Dec. 9.
- Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Shelf construction. 1,758,307; May 13.
- Balfe, George T., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Gasket. 1,776,140; Sept. 16.
- Balin, Samuel, assignor to United Auto Trunk Co., New York, N. Y. Wardrobe hatbox. 1,752,772; Apr. 1.
- Balke, Burt, Phelps, Wis. Sawing device. 1,744,201; Jan. 21.
- Balke, Clarence W., Highland Park, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Removing carbon impurities from tantalum. 1,754,453; Apr. 15.

- Ball & Ball Carburetor Company. (See Ball, Frederick O., and T. M., assignors.)
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 80,820; Apr. 1.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 80,821; Apr. 1.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 80,822; Apr. 1.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 80,823; Apr. 1.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 80,824; Apr. 1.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 80,825; Apr. 1.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 80,826; Apr. 1.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 81,616; July 22.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 82,364; Oct. 28.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 82,365; Oct. 28.
- Ball, Ben A., assignor to American Textile Co. Inc., Pawtucket, R. I. Lace. Des. 82,366; Oct. 28.
- Ball, Ben A., assignor to American Textile Co. Inc., Pawtucket, R. I. Lace. Des. 82,367; Oct. 28.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 82,721; Dec. 9.
- Ball Brothers Company. (See Lawson, Harry B., assignor.)
- Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Mixing drum. 1,766,582; June 24.
- Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Power-transmission unit for concrete mixers. 1,766,583; June 24.
- Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Mixing and agitating machine. 1,766,584; June 24.
- Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Mechanism for timing mechanical operations. 1,766,770; June 24.
- Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixer and agitator. 1,781,965; Nov. 18.
- Ball, Charles O., Birmingham, assignor to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich. Interlock mechanism. 1,761,964; June 3.
- Ball, Charles O., Birmingham, assignor to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich. Window-regulator adjustment. 1,783,933; Dec. 2.
- Ball, Edmund B. (See Hurst, J. E., and Ball.)
- Ball, Fred, Spokane, Wash. Drift valve. 1,764,493; June 17.
- Ball, Frederick O. and T. M., assignors to Ball & Ball Carburetor Company, Detroit, Mich. Carburetor. 1,777,779; Oct. 7.
- Ball, George N., Glendale, assignor to Warner Bros. Pictures, Inc., Los Angeles, Calif. Sound-insulated camera. 1,779,653; Oct. 28.
- Ball, Guy M., Los Angeles, Calif., assignor to Nordwick Engine Company, Inc., Reno, Nev. Cam engine. 1,775,635; Sept. 16.
- Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Web-cleaning mechanism. 1,744,151; Jan. 21.
- Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Web-roll-changing mechanism. 1,746,376; Feb. 11.
- Ball, Harry V., Concord, Mass., assignor to R. Hoe and Co., Inc., New York, N. Y. Roller-supporting device. 1,760,188; May 27.
- Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Web-roll changer. 1,767,727; June 24.
- Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Web-joining mechanism. 1,744,151; Jan. 21.
- Ball, Henry P., Brooklyn, N. Y. Music roll. 1,761,862; June 3.
- Ball, Henry P., Brooklyn, N. Y. Reproducing musical instrument. 1,776,774; Sept. 30.
- Ball, Henry V., Concord, Mass., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Printing machine. 1,784,412; Dec. 9.
- Ball, Howard, Long Beach, Calif. Adjustable scaffolding. 1,781,911; Nov. 18.
- Ball, Jasper T. (See Platter, O. R., and Ball.)
- Ball, Norman Z., Norfolk, Va. Sewer-clean-out box. 1,747,211; Feb. 18.
- Ball, Orlando R., Wheatland, Iowa. Force oiler. 1,761,462; June 3.
- Ball, P. De C. (See Adams, Burke D., assignor.)
- Ball, Russell C., assignor to Philadelphia Gear Works, Philadelphia, Pa. Protective means for shaft bearings. 1,769,934; July 8.
- Ball, Thomas M. (See Ball, Frederick O. and T. M.)
- Ball Wagon Grader Company. (See Adams, William J., assignor.)
- Ballantine, Stuart, White Haven, Pa., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Reducing retroactive currents in audion amplifiers. 1,747,045; Feb. 11.
- Ballantine, Stuart, Mountain Lakes, assignor of one-half to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Preventing radiation and extra reradiation in radioreceivers. 1,760,871; June 3.
- Ballard, Arthur H., Incorporated. (See Goodridge, George E., assignor.)
- Ballard, Frank L., Ankeny, and W. A. Robson, Scranton, Iowa. Multiple thumb stall. 1,758,681; May 13.
- Ballard, Harrie A., Beverly, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Measuring machine. 1,756,081; Apr. 29.
- Ballard, Harrie A., Beverly, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Splitting machine. 1,769,935; July 8.
- Ballard, Harry W. and J. F., Detroit, Mich. Scanning device for television. 1,773,161; Aug. 19.
- Ballard, Howard A., Clarksburg, Calif. Portable irrigation head gate. 1,784,955; Dec. 16.
- Ballard, Jack F. (See Ballard, H. W. and J. F.)
- Ballard, John W. (See Drewer, J. H., Bertholf, Dalbey, and Ballard.)
- Ballard, Milton H. (See Seely, T. H., and Ballard.)
- Ballard, Milton H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-pressing machine. 1,743,518; Jan. 14.
- Ballard, Milton H., Beverly, and T. H. Seely, Melrose, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat-forming machine. 1,742,299; Jan. 7.
- Ballard, Milton H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,771,606; July 29.
- Ballauf, Fritz, Elberfeld, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Hydrindole-indophenols and making the same. 1,780,058; Oct. 18.
- Ballauf, Fritz, F. Muth, and A. Schmelzer, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Carbazole indophenol compounds and preparing the same. 1,781,966; Nov. 18.
- Balle, Gerhard. (See Daimler, K., and Balle.)
- Ballentine, Charles N. (See Lehman, W., Ballentine, and Dahlgren.)
- Ballentine, Ora C., Klamath Falls, Oreg. Safety strap for overall pockets. 1,778,057; Oct. 14.
- Ballentine, Samuel O., Greenfield, Ohio. Automobile window and the like. 1,767,783; June 24.
- Ballentine, William I., La Porte, Ind. Apparatus for testing hardness. 1,773,802; Aug. 26.
- Ballentine, William I., and P. R. Thompson, assignors to Advance-Rumely Company, La Porte, Ind. Tractor. 1,750,453; Mar. 11.
- Ballentine, William I., and P. R. Thompson, assignors to Advance-Rumely Company, La Porte, Ind. Hitch mechanism for tractors. 1,776,408; Sept. 23.
- Balliet, A. H., Corporation. (See Kleinsmith, H. B., Neely, and Doll, assignors.)
- Balloon Rubber Heel Corporation. (See Norwood, Harry G., assignor.)
- Ballou, B. A., & Co. (See Ballou, Frederick A., assignor.)
- Ballou, B. A., & Co. (See Ballou, F. A., and Stafford, assignors.)
- Ballou, B. A., & Co. (See Ballou, Frederick A., jr., assignor.)
- Ballou, B. A., & Co. (See Morehouse, Eugene, assignor.)
- Ballou, B. A. & Co. (See Stafford, Rogers T., assignor.)
- Ballou, Frederick A., Nayatt, assignor to B. A. Ballou & Co., Inc., Providence, R. I. Shoe strap. 1,756,505; Apr. 29.
- Ballou, Frederick A., Nayatt, assignor to B. A. Ballou & Co., Inc., Providence, R. I. 1,778,413; Oct. 14.
- Ballou, Frederick A., jr., assignor to B. A. Ballou & Co., Inc., Providence, R. I. Combined pin stem, joint, and catch. 1,761,187; June 3.
- Ballou, Frederick A., Nayatt, and R. T. Stafford, East Providence, assignors to B. A. Ballou & Co., Inc., Providence, R. I. Shoe strap. 1,756,506; Apr. 29.
- Ballou, George F., New York, assignor to C. F. Hindle, Ossining, N. Y. Pencil sharpener. 1,774,584; Sept. 2.
- Ballous, Charles E., Roanoke, Va. Rail joint. 1,772,382; Aug. 5.
- Balls, Arnold K., Philadelphia, Pa., assignor of one-third to M. Nilsson, deceased, Peekskill, N. Y., and one-third to A. W. Hixson, Leonia, N. J.; The National City Bank of New York, executor. Manufacturing yeast. 1,759,536; May 20.
- Balls, Arnold K., Philadelphia, Pa., assignor of one-third to M. Nilsson, deceased, Peekskill, N. Y., and one-third to A. W. Hixson, Leonia, N. J.; The National City Bank of New York, executor. Method of growing yeast. 1,761,515; June 3.
- Bally, Oscar, and P. Grossmann, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Amino-anthraquinone derivative and making same. 1,777,953; Oct. 7.
- Balouzet-Tillard, Suzanne, Paris, France, assignor to Fownes Brothers & Co. Incorporated, New York, N. Y. Glove. Des. 82,071; Sept. 23.
- Balouzet-Tillard, Suzanne, Paris, France, assignor to Fownes Brothers & Co. Incorporated, New York, N. Y. Glove. Des. 82,072; Sept. 23.
- Balsley, James R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Amplifying system. 1,768,658; July 1.

- Balsley, James R., assignor to Fox Case Corporation, New York, N. Y. Sound-record film and apparatus. 1,776,058; Sept. 16.
- Baltes, Walter H., San Diego, Calif. Building-wall ventilator. 1,761,250; June 3.
- Baltimore Enamel & Novelty Company, The. (See Marsland, Charles A., assignor.)
- Baltimore Gas Engineering Corporation. (See Friend, Wayne Z., assignor.)
- Balton, James. (See Bereck, Daniel, assignor.)
- Balton, James, assignor to J. Shapiro, Baltimore, Md. Automatic cup-pastry-making machine. 1,772,450; Aug. 12.
- Balton, James L., Baltimore, Md. Ice-cream cone. Des. 82,650; Dec. 2.
- Balton, James L., Baltimore, Md. Baking and molding device. 1,782,088; Nov. 18.
- Baltzell, Edmund A., Portland, Oreg. Sharpening device. 1,781,967; Nov. 18.
- Baltzley, Louis E., Glen Ridge, N. J. Sound reproducer. 1,757,107; May 6.
- Baltzley, Oren F., Hagerstown, Md. Jar and bottle closure. 1,744,026; Jan. 21.
- Balz, Otto, Ludwigshafen-on-the-Rhine and F. Reuscher, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Catalytic oxidation of ammonia. 1,754,345; Apr. 15.
- Balzano, Oreste. (See Carmichael, A. J., and Balzano.)
- Balzano, Oreste. (See Eddy, N., Carmichael, Thurber, and Balzano.)
- Balze, Paul. (See Mersfelder, F. J., and Balze.)
- Balzer, Howard. (See Donley, H. B., and Balzer.)
- Bamag-Meguini A.-G. (See Kniessel, Richard, assignor.)
- Bamag-Meguini Aktiengesellschaft. (See Binte, H., and Pipkorn, assignors.)
- Bamberger, Otto, assignor to Deutsche Maschinenfabrik Aktiengesellschaft, Duisburg, Germany. Pilgering mill. 1,744,731; Jan. 28.
- Bamberger, Otto, Duisburg, Germany. Tube-transporting device. 1,783,555; Dec. 2.
- Bamford, Cyril J. (See Bamford, Joseph and C. J.)
- Bamford, Frank L., assignor to C. M. Hall Lamp Company, Detroit, Mich. Focus-adjustment mechanism for lamps. 1,744,098; Jan. 21.
- Bamford, Frank L., assignor to C. M. Hall Lamp Company, Detroit, Mich. Reflector-gasket retainer. 1,762,150; June 10.
- Bamford, Frank L., assignor to C. M. Hall Lamp Company, Detroit, Mich. 1,770,724; July 15.
- Bamford, Frank L., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp. 1,779,156; Oct. 21.
- Bamford, Frank L., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp catch. 1,783,598; Dec. 2.
- Bamford Joseph and C. J., Uttoxeter, England. Potato or like digger. 1,776,485; Sept. 23.
- Bamford, Walter R., Detroit, and H. W. Hamilton, deceased, Detroit, Mich., by C. B. Camp, Oak Park, Ill., trustee and assignee, said Bamford and said Hamilton assignors, by mesne assignments, to C. B. Camp, Oak Park, Ill., trustee. Vacuum system for internal-combustion engines. Re17,657; May 6.
- Bammann, Heinrich, Sorau N. L., Germany. Rack for warp beams and the like. 1,745,334; Jan. 28.
- Bancel, Paul A., Montclair, assignor to Ingersoll-Rand Company, Jersey City, N. J. Surface condenser. 1,745,142; Jan. 28.
- Bancel, Paul A., Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J. Condensate reheater. 1,773,803; Aug. 26.
- Bancel, Paul A., Nutley, N. J., and J. F. Kirgan, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Steam-condensing apparatus. 1,777,280; Oct. 7.
- Banck, Martin, Bucharest, Rumania. Preparation of acetylene and hydrogen. 1,773,611; Aug. 19.
- Bancroft, Joseph, & Sons Co. (See Berry, William, assignor.)
- Bancroft, Joseph, & Sons Co. (See Moller, Kenneth, assignor.)
- Bancroft, George J., Denver, Colo. Treating ferrotitanium ores. 1,745,732; Feb. 4.
- Bancroft, James, assignor of one-half to Howard & Bulbough Limited, Accrington, Lancaster, England. Ring and traveler for use in certain doubling and like operations upon yarns. 1,744,202; Jan. 21.
- Bancroft, Nathaniel W., Buenos Aires, Argentina. Cock or faucet for fluids. 1,786,885; Dec. 30.
- Bancroft, William E. (See Blackburn, J. H., and Bancroft.)
- Bander, Jacob B., assignor to Full-O-Lite Company, New York, N. Y. Shade holder. 1,752,057; Mar. 25.
- Bander, Jacob B., Newark, N. J., assignor of one-half to C. Berger, Brooklyn, N. Y. Reading glass. 1,784,168; Dec. 9.
- Bandhauer, Franz, assignor to the firm S. Rothmüller A. G., Vienna, Austria. Pendulum weigher. 1,760,034; May 27.
- Bandla, Stephen H., Buffalo, N. Y. Antiskid brake for self-propelled vehicles. 1,764,602; June 17.
- Bandlow, Walter E. (See Pelletier, E. F., and Bandlow.)
- Banning, Thomas A., jr. (See Shay, Ralph R., assignor.)
- Bandoly, Erich, assignor to Central Scientific Company, Chicago, Ill. Resistance box. 1,781,802; Nov. 18.
- Bandow, Ada, Appleton, Wis. Furnace-door opener. 1,764,142; June 17.
- Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,743,089; Jan. 14.
- Bane, Robert D., Los Angeles, Calif. Pumping unit. 1,779,762; Oct. 28.
- Banerschlag, Walter H. (See Preece, Archie R., assignor.)
- Banff, Peter S., Chicago, Ill., assignor, by mesne assignments, to Sanitary Food Machine Corporation. Electrical cooking device. 1,742,945; Jan. 7.
- Banff, Peter S., Chicago, Ill., assignor, by mesne assignments, to Sanitary Food Machine Corporation. Electrical cooking apparatus. 1,759,832; May 27.
- Banfield, Charles N. (See Reid, Alfred J., assignor.)
- Banfield, Frederic E., jr., and G. E. Albrecht, Saco, Me., assignors to Saco-Lowell Shops, Boston, Mass. Driving mechanism for bobbin shafts of roving frames. 1,766,586; June 24.
- Banfield, Frederic E., jr., Saco, Me., and F. O. Hoagland, Bridgeport, Conn., assignors to Saco-Lowell Shops, Boston, Mass. Driving cylinders for spinning frames. 1,766,585; June 24.
- Banfield, Thomas H., Portland, Oreg. Time control for stokers. 1,778,349; Oct. 14.
- Bangert, Heinrich, Dusseldorf, Germany. Metal-bar-heating furnace. 1,772,065; Aug. 5.
- Bangert, Heinrich, and M. Peters, assignors to Ofenbau-Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Apparatus for moving ingots or masses in furnaces. 1,763,918; June 17.
- Bangs, Edwin Q., and W. Ernst, assignors to Hamilton Beach Manufacturing Company, Racine, Wis. Motor mounting. 1,772,334; Aug. 5.
- Bangs, Ralph C., assignor to T. W. Lind Company, Providence, R. I. Pin or similar article. Des. 80,354; Jan. 21.
- Banham, Frank D. (See Schultz, E. W., and Banham.)
- Banigan, Thomas F. (See Bassett, H. P., and Banigan.)
- Bankers Development Corporation. (See Colvin, Harold B., assignor.)
- Bankier, Robert, Philadelphia, Pa. Guide attachment for presser bars. 1,752,323; Apr. 1.
- Banks, Benjamin E., Chicago, Ill. Antenna. 1,748,823; Feb. 25.
- Banks, Charles M., Philadelphia, Pa. Hydraulic jack. 1,758,640; May 13.
- Banks, Charles M., Philadelphia, Pa. Jack. 1,774,693; Sept. 2.
- Banks, Henry W., 3d, Noroton, Conn., assignor, by mesne assignments, to United States Rubber Company. Concentrating latex. 1,755,379; Apr. 22.
- Banks, Robert T., Spokane, Wash., assignor to Sullivan Machinery Company. Feeding mechanism. 1,754,159; Apr. 8.
- Banks, Thomas H., Quebec, Quebec, Canada. Record folder. 1,743,305; Jan. 14.
- Bankson, William R., Pittsburgh, Pa. Conveyer. 1,764,143; June 17.
- Bankson, William R., Pittsburgh, Pa. Letter mail box. 1,777,740; Oct. 7.
- Banner, Frank H., assignor to General Railway Signal Company, Rochester, N. Y. Ground-rod connection. 1,766,587; June 24.
- Banning, Ephraim. (See Edelman, Philip E., assignor.)
- Banning, Ephraim, trustee. (See Coyle, Joseph L., assignor.)
- Bannister, Allan S., assignor to Revere Rubber Company, Providence, R. I. Shoe sole. Des. 80,875; Apr. 8.
- Bannister, Allan S., assignor to Revere Rubber Company, Providence, R. I. Shoe sole. 80,876; Apr. 8.
- Bannister, James S. (See McLean, Arthur, assignor.)
- Bannister, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Purification of gaseous mixtures. 1,757,826; May 6.
- Bannister, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Making polyvalent metallic salts of half esters of phthalic acid. 1,779,654; Oct. 28.
- Bannister, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Denatured alcohol. 1,779,687; Oct. 28.
- Bannister, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Making polyvalent metallic salts of half esters of phthalic acid. 1,779,688; Oct. 28.
- Bannon, Thomas C., Los Angeles, Calif. Pump. 1,771,070; July 22.
- Banschbach, Edward A., Chicago, Ill. Filling device. 1,751,025; Mar. 18.
- Banschbach, Edward A., Chicago, Ill. Record file. 1,760,103; May 27.
- Banschbach, Edward A., Madison, Wis. Protector for automobiles. 1,783,934; Dec. 2.
- Bansen, Friedrich, assignor to W. Rabald, Leipzig, Germany. Shearing machine. 1,776,244; Sept. 23.
- Bansfield, Thomas M., Chicago, Ill. Pictorial reproduction in plaque. 1,758,876; May 13.
- Banta, Clifford. (See Cole, P. J., and Banta.)
- Banta, Len A., Clearfield, Pa. Building wall. 1,765,255; June 17.
- Bantin, Frederick C., Salamanca, N. Y. Ball-bearing connection. Re17,575; Jan. 28.
- Bantin, Frederick C., Salamanca, N. Y. Ball-bearing connection. 1,776,746; Sept. 23.
- Bantin, Frederick C., Salamanca, N. Y. Ball-bearing connection. 1,776,747; Sept. 23.

- Banton, Madison W., Chicago, Ill., assignor to General Chemical Company, New York, N. Y. Rabble for Mannheim furnaces. 1,757,286; May 6.
- Bany, Herman, Scotia, N. Y., assignor to General Electric Company. Automatic control equipment. 1,746,182; Feb. 4.
- Bany, Herman, Yeadon, Pa., assignor to General Electric Company. Control system. 1,771,909; July 29.
- Bany, Herman, and H. E. Lockett, Yeadon, Pa., assignor to General Electric Company. Automatic switching arrangement. 1,755,094; Apr. 15.
- Bany, Herman, Yeadon, Pa., and G. R. McDonald, Schenectady, N. Y., assignors to General Electric Company. Regulating system. 1,760,537; May 27.
- Bany, Herman, Yeadon, Pa., and G. R. McDonald, Schenectady, N. Y., assignors to General Electric Company. Synchronizing apparatus. 1,780,667; Nov. 4.
- Bányai, Maurus, Vienna, Austria, assignor to Vereenigde Knoopstapindustrie Systeem Banyai, Rotterdam, Netherlands. Automatic loom for making real knotted carpets. 1,752,140; Mar. 25.
- Banzett, William H., Bergenfield, N. J., assignor to American Lithographic Company, Inc., New York, N. Y. Plate-registering means. 1,752,659; Apr. 1.
- Banzett, William H., Bergenfield, N. J., assignor to American Lithographic Company, Inc., New York, N. Y. Applying designs to cylinders. 1,767,644; June 24.
- Banzhof, Charles P., assignor of three-quarters to The Fidelity Electric Company, Lancaster, Pa. Blasting machine. 1,771,870; July 29.
- Baquet, Gaston. (See Baquet, Pierre.)
- Baquet, Pierre, otherwise known as Gaston Baquet, Colombes, France. Face paint or fard distributor with stump. 1,786,418; Dec. 30.
- Baracate, Stephen, Troy, N. Y. Soldering tool. 1,754,382; Apr. 15.
- Barakauskas, Peter D., Chicago, Ill. Adjustable mirror for barbers' chairs and the like. 1,758,021; May 13.
- Baranowski, Kazimierz, Paris, France, assignor to W. J. Einstein, London, England. Electroplating apparatus. 1,786,592; Dec. 30.
- Barany, Edmund R., assignor to French Battery Company, Madison, Wis. Flash-light casing. 1,747,811; Feb. 18.
- Barany, Edward J., New York, N. Y. Golf game. 1,770,191; July 8.
- Barasch, Abraham I., Brooklyn, and G. J. Skimin, New York, N. Y., assignors to Bright Star Battery Company, Hoboken, N. J. Dry-cell cabinet. Des. 80,301; Jan. 14.
- Barba, Adrien, Asnières, Seine, France, assignor, by mesne assignments, to A. d'Hallo, Paris, France. Shaping machine. 1,755,860; Apr. 22.
- Barbagelata, Angelo, Milan, Italy, assignor to General Electric Company. Automatic electric regulator or overload limiting apparatus. 1,787,303; Dec. 30.
- Barbaron, Marius J.-B., Paris, France. Speed changing and reducing gear for aeroplane engines. 1,755,804; Apr. 22.
- Barbarou, Marius J.-B., Paris, France. Air heater for carburetors. 1,772,237; Aug. 5.
- Barbarou, Marius J.-B., Paris, France. Aircraft engine. 1,775,926; Sept. 16.
- Barbas, Raymond, Paris, France. Sheath-crayon holder. 1,776,098; Sept. 16.
- Barbas, Raymond, assignor to La Société Anonyme Jean Patou, Paris, France. Bottle. Des. 82,652; Dec. 2.
- Barbas, Raymond, assignor to La Société Anonyme Jean Patou, Paris, France. Bottle. Des. 82,653; Dec. 2.
- Barbas, Raymond, assignor to La Société Anonyme Jean Patou, Paris, France. Bottle. Des. 82,716; Dec. 2.
- Barbasol Company, The. (See McNally, Edwin M., assignor.)
- Barbato, Theodore, Union City, N. J. Slab construction. 1,749,524; Mar. 4.
- Barbe, Edgar H. (See Earles, A., and Barbe.)
- Barbee, Fred E., San Francisco, Calif. Friction rice-scouring process. 1,776,278; Sept. 23.
- Barbee, Joseph C., Des Moines, Iowa. Bearing scraper. 1,777,780; Oct. 7.
- Barber, Albert W., assignor to Union Special Machine Company, Chicago, Ill. Needle bar for sewing machines. 1,764,865; June 17.
- Barber Asphalt Company, The. (See Barnes, Eugene L., assignor.)
- Barber Asphalt Company, The. (See Bergner, John C., assignor.)
- Barber Asphalt Company, The. (See Browne, Frank A., assignor.)
- Barber Asphalt Company, The. (See Darrow, M. S., Hart, Gronemeyer, and Watkins, assignors.)
- Barber Asphalt Company, The. (See Freegard, William, assignor.)
- Barber Asphalt Company, The. (See Gronemeyer, Fred G., assignor.)
- Barber Asphalt Company, The. (See Miller, John S. jr., assignor.)
- Barber Asphalt Company, The. (See Weller, John H., assignor.)
- Barber-Colman Company. (See Colman, Howard D., assignor.)
- Barber-Colman Company. (See Edgar, John, assignor.)
- Barber-Colman Company. (See Nelson, John A., assignor.)
- Barber-Colman Company. (See Peterson, Burt A., assignor.)
- Barber, Franklin L., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Lateral-motion roller bearing for cars. 1,782,130; Nov. 18.
- Barber, Franklin L., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Car truck. 1,787,031; Dec. 30.
- Barber Gas Burner Company, The. (See Kerr, Harry E., assignor.)
- Barber-Greene Company. (See Barber, Harry H., assignor.)
- Barber-Greene Company. (See Barber, H. H., and Smith, assignors.)
- Barber, Harry H., Aurora, Ill., assignor to Barber-Greene Company. Linkage connection for digging booms. 1,744,942; Jan. 28.
- Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Automatic measuring hopper. 1,753,546; Apr. 8.
- Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Ditch-digging machine. 1,762,568; June 10.
- Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Ditching machine. 1,762,569; June 10.
- Barber, Harry H., and P. A. Smith, assignor to Barber-Greene Company, Aurora, Ill. Flight conveyor. 1,757,608; May 6.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary-web-printing press. 1,744,729; Jan. 28.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary printing press. 1,745,467; Feb. 4.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary printing press. 1,745,469; Feb. 4.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary printing press. 1,746,812; Feb. 11.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary web-printing press for bag blanks. 1,763,123; June 10.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Plate cylinder for printing presses. 1,763,124; June 10.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary web-printing press. 1,783,766; Dec. 2.
- Barber, Hugh B., assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Burner. 1,769,821; July 1.
- Barber, Hugh B., Toledo, Ohio, assignor to The Surface Combustion Co., Incorporated, Toledo, Ohio. Combustion control. 1,770,059; July 8.
- Barber, James T., Brooklyn, N. Y. Drum-washing machine. 1,755,763; Apr. 22.
- Barber, Lee W., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Side bearing for cars. 1,763,081; June 10.
- Barber, Lewis R., Fresno, Calif. Electrical heating unit. 1,776,827; Sept. 30.
- Barber, Samuel H., Kim, Colo. Wire stretcher. 1,775,059; Sept. 2.
- Barber, William, Brooklyn, N. Y., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Metal disk wheel. 1,768,947; July 1.
- Barber, William C., Los Angeles, Calif. Reenforcing stirrup assembly. 1,772,741; Aug. 12.
- Barbera, Tony, assignor to Designograph Company, Trinidad, Colo. Device for making designs on cakes and the like. 1,781,209; Nov. 11.
- Barberon, Pierre, Le Fayet, France. Ever-pointed pencil. 1,759,931; May 27.
- Barbey, Francis A., Cambridge, Mass. Blower-nozzle protector for fire boxes. 1,754,813; Apr. 15.
- Barbieri, Cesare, New York, N. Y., assignor to Vortex Cup Company. Conical-cup dispenser. Re17,664; May 13.
- Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to The Vortex Manufacturing Co., Chicago, Ill. Capped container. 1,747,212; Feb. 18.
- Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Rolled-edge cone cup. 1,750,454; Mar. 11.
- Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Blank-feeding machine. 1,762,947; June 10.
- Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Conical-cup dispenser. 1,762,948; June 10.
- Barbiers, Ferdinand S., assignor to The Hocking Glass Company, Lancaster, Ohio. Glass dispensing vessel. 1,752,291; Apr. 1.
- Barbou, Pierre A., assignor to Société Barbon & Cie., Paris, France. Treating residual liquors accruing from the treatment of cellulose material. 1,749,557; Mar. 4.
- Barbou, Pierre A., assignor to Société Barbon & Cie., Paris, France. Recovery of sodium sulphite from spent sulphite liquors. 1,765,560; June 24.
- Barbour Flax Spinning Co. (See Tracy, Homer D., assignor.)
- Barbour, James G., Canton, assignor to The Metropolitan Paving Brick Company, Canton, Ohio. Trickling-filter floor construction. 1,770,830; July 15.

- Barbour, Perley E. (See Vizard, William C., assignor.)
 Barbour, Rolland M., and H. H. Knipe, Lawrenceville, Ill. Time-recording machine. 1,763,740; June 17.
 Barclay, Colin T. (See Barclay, John G., and C. T.)
 Barclay, Gustaf I., assignor to Detroit Steel Products Company, Detroit, Mich. Window screen. 1,750,659; Mar. 18.
 Barclay, Hjalmar V., New York, N. Y. Hernia support. 1,748,939; Mar. 4.
 Barclay, John G., and C. T., Kilmarnock, Scotland. Engine drain or compression relief valve. 1,780,857; Nov. 4.
 Barclay, John S., New Malden, England. Holsting apparatus. 1,759,292; May 20.
 Barclay, William R., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe support. 1,784,923; Dec. 16.
 Barclay, William R., and F. Ricks, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat-fitting machine. 1,783,212; Dec. 2.
 Barclay, William R., and R. B. Woodcock, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the waxing and burnishing of leather. 1,743,183; Jan. 14.
 Barcley Corset Company. (See Gray, Etta, assignor.)
 Barcley, Gaylord A., South Orange, N. J. Corset and similar garment. 1,769,364; July 1.
 Barco Manufacturing Company. (See Bertram, Clarence C., assignor.)
 Barco Manufacturing Company. (See Markel, Charles, assignor.)
 Bard, Francis N., Highland Park, Ill. Lubricated plug valve. 1,744,255; Jan. 21.
 Bard, Francis N., Highland Park, Ill. Crosshead. 1,758,212; May 13.
 Bard, Francis N., Highland Park, Ill. Self-lubricating valve. 1,778,746; Oct. 21.
 Bard, Francis N., Highland Park, Ill. Reversing-gear mechanism. 1,780,329; Nov. 4.
 Bardeen, Hugh A., assignor to B and B Pipe Shops Corporation, Los Angeles, Calif. Tubing for oil wells. 1,774,075; Aug. 26.
 Barden, Clifford A., Oberlin, Ohio. Rubber-chain hook attachment. 1,748,824; Feb. 25.
 Bardet, George A. and G. V., Berkeley, assignors to M. J. B. Co., San Francisco, Calif. Key-soldering machine. 1,743,519; Jan. 14.
 Bardet, George A. and G. V., Berkeley, assignors to M. J. B. Co., San Francisco, Calif. Key-placing apparatus for tin cans. 1,745,889; Feb. 4.
 Bardet, George V. (See Bardet, George A. and G. V.)
 Bardons & Oliver. (See Hornberger, Earl J., assignor.)
 Bardons and Oliver. (See Libby, W. L., and Hugs.)
 Bardsley, Samuel B., assignor to Woodward-Wanger Company, Philadelphia, Pa. Float-valve-operating mechanism for flush tanks. 1,757,159; May 6.
 Bardwell, Francis N., Passaic, N. J. Flexible driving means. 1,759,833; May 27.
 Bardwell, Harold F., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,753,495; Apr. 8.
 Bardwell, Harold F., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Motor mounting. 1,773,420; Aug. 19.
 Bares, Rudolph. (See Wood, A. C., and Bares.)
 Barfield, Ernest A., Macon, Ga. Envelope label holder. 1,776,880; Sept. 30.
 Barfoed, Svend, San Francisco, Calif. High-tension insulator. 1,742,628; Jan. 7.
 Bargagn, Angelo J., Washington, D. C. Silent-salesman rack for newspapers, magazines, etc. 1,743,306; Jan. 14.
 Bargeboer, Adolf, The Hague, Netherlands. Regulating device. 1,753,678; Apr. 8.
 Bargeboer, Adolf, The Hague, Netherlands. Rotary pump. 1,782,282; Nov. 18.
 Bargeboer, Adolf, assignor to Naamlooze Vennootschap: Maatschappij voor Nitvindingen van Dikkers en Bargeboer, The Hague, Netherlands. Liquid-measuring apparatus. 1,745,000; Jan. 28.
 Barghausen, Louis H., Pittsburgh, Pa. Artificial-hmb ankle joint. 1,767,868; Jan. 24.
 Barhorst, Albert H., Fort Loramie, Ohio. Thrashing machine. 1,772,978; Aug. 12.
 Barili, Arthur E. H., and J. A. Hyle, Los Angeles, Calif., assignors to Empire Railway Supply Corporation. Railway-rail anchor. 1,749,558; Mar. 4.
 Barili, Arthur E. H., and J. A. Hyle, Los Angeles, Calif., assignors of one-half to said Hyle, one-eighth to J. H. Green, Philadelphia, Pa., one-fourth to D. F. Morris, Boston, Mass., and one-eighth to S. E. Holdzkorn, Pleasantville, N. J. Railway-rail anchor. 1,765,122; June 17.
 Barium Reduction Corporation. (See Pierce, James B., Jr., assignor.)
 Barkeij, Jean A. H., Washington, D. C. Internal-combustion engine. 1,773,072; Aug. 12.
 Barkeij, Jean A. H., Altadena, Calif. Internal-combustion engine. 1,776,760; Sept. 23.
 Barkeij, Jean A. H., Los Angeles, Calif. Inlet manifold for straight-eight internal-combustion engines. 1,787,186; Dec. 30.
 Barkelew Electric Manufacturing Company, The. (See McLaughlin, William E., assignor.)
 Barker, Arthur H., Westminster, London, England. Heating and cooling device. 1,744,517; Jan. 21.
 Barker, Arthur H., Westminster, London, England. Apparatus for heating buildings and for like purposes. 1,746,231; Feb. 11.
 Barker, Arthur H., London, England. Heating apparatus. 1,746,235; Feb. 11.
 Barker, Arthur H., Westminster, London, England. Heating device for buildings. 1,775,152; Sept. 9.
 Barker, Carolyn E. (See Martin, Joseph W., assignor.)
 Barker, Donald J., Cowansville, Quebec, Canada. Advertising structure. 1,760,186; May 27.
 Barker, Edwin H., Moylan, assignor to A. H. Wirz, Inc., Chester, Pa. Dispensing tube. 1,754,496; Apr. 15.
 Barker, Galen D., Dowagiac, Mich. Heater control. 1,783,821; Dec. 2.
 Barker, George A., Rochester, N. Y. Piston. 1,757,230; May 6.
 Barker, George W., et al. (See Lewis, Samuel A., assignor.)
 Barker, Harry B., Chicago, Ill., assignor, by mesne assignments, to C. W. Raynor, New York, N. Y. Display device. 1,763,741; June 17.
 Barker, Harry B., Chicago, Ill., assignor, by mesne assignments, to C. W. Raynor, New York, N. Y. Display sign. 1,763,742; June 17.
 Barker, Horace E., Brooklyn, N. Y. Receptacle for tooth-brushes. 1,746,022; Feb. 4.
 Barker, James, Kalamazoo, Mich. Loose-leaf binder. 1,786,816; Dec. 30.
 Barker, John J., Allston, Mass. Valve. 1,751,122; Mar. 18.
 Barker, Joseph R., Fallbrook, Calif., assignor to B. V. Curry, trustee. Disk implement. 1,775,269; Sept. 9.
 Barker, Justin N., and M. N. Barker, Santa Monica, Calif. Toilet-seat accessory. Re17,645; Apr. 22.
 Barker, Lincoln, New York, N. Y. Textile fabric. Des. 81,825; Aug. 19.
 Barker, Lincoln, New York, N. Y. Textile fabric. Des. 81,863; Aug. 26.
 Barker, Lincoln, New York, N. Y. Textile fabric. Des. 81,910; Sept. 2.
 Barker Manufacturing Company, The. (See Zeilinger, John F., assignor.)
 Barker, Marjorie N. (See Barker, Justin N. and M. N.)
 Barker, Maurice E., U. S. Army, Cambridge, Mass., assignor of one-fifth to H. H. Semmes, Washington, D. C. Alloy. 1,757,507; May 6.
 Barker, Maurice E., U. S. Army, Cambridge, Mass., assignor of one-fifth to H. H. Semmes, Washington, D. C. Alloy. 1,757,508; May 6.
 Barker, Milton H., Horseheads, N. Y. Gluing clamp. 1,772,301; Aug. 5.
 Barker, Percy E., assignor of one-half to A. B. Betz, Cleveland, Ohio. Combined washing, rinsing, and drying machine. 1,769,764; July 1.
 Barker, Ralph H., et al. (See Lewis, Samuel A., assignor.)
 Barker, Seth S., and A. W. Bruce, Ottumwa, Iowa. Shackle for fowls. 1,742,569; Jan. 7.
 Barker, Ward T., Kansas City, Mo. Furnace. 1,771,989; Aug. 5.
 Barker, Ward T., Kansas City, Mo. Fan. 1,786,051; Dec. 23.
 Barker, William S., Pana, Ill. Agricultural implement. 1,760,894; June 3.
 Barker, William T., Jr., assignor to Hartford-Empire Company, Hartford, Conn. Composite plunger for glass feeders. 1,780,550; Nov. 4.
 Barker, Winston C., Detroit, Mich. Brake mechanism. 1,783,104; Nov. 25.
 Barkey, Salvator, New York, N. Y. Straw-serving machine. 1,755,045; Apr. 15.
 Barks, Frank S., St. Louis, Mo. Dispensing apparatus. 1,767,426; June 24.
 Barks, Frank S., St. Louis, Mo. Lubricating apparatus. 1,773,660; Aug. 19.
 Barkschat, Henry. (See Gorrell, W. R., and Barkschat.)
 Barkstrom, Lewis T., assignor to J. P. Seeburg Piano Company, Chicago, Ill. Pneumatic coupler for musical instruments. 1,747,414; Feb. 18.
 Barkstrom, Lewis T., assignor to J. P. Seeburg Piano Company, Chicago, Ill. Tracker and cleaning device for music sheets for automatic musical instruments. 1,773,162; Aug. 19.
 Barletta, John, Galt, Calif. Combustion engine. 1,750,918; Mar. 18.
 Barloga, Jesse A. (See Brown, Haughton, assignor.)
 Barlow, David A., Philadelphia, Pa. Electric gas lighter. 1,748,271; Feb. 25.
 Barlow, Lester P., Detroit, Mich. Fuel-feed system for internal-combustion engines of automobiles. 1,785,573; Dec. 16.
 Barlow, James D., Dallas, Tex. Work stand. 1,756,082; Apr. 29.
 Barlow, Jerome, Chicago, Ill. Golf bag. 1,770,060; July 8.
 Barlow, Lester P., Detroit, Mich. Engine-cooling system. Re17,627; Mar. 25.
 Barlow, Lester P., Stamford, Conn. Safety fixture for engine cylinders. 1,746,760; Feb. 11.
 Barlow, Lester P., Stamford, Conn. Rotary pump. 1,749,058; Mar. 4.
 Barlow, Lester P., Stamford, Conn. Rotary pump. 1,749,121; Mar. 4.
 Barlow, Lester P., Stamford, Conn. Map holder. 1,773,337; Aug. 19.

- Barlow, Thomas J., Albany, Ohio. Guide clip for cutter bars. 1,754,302; Apr. 15.
- Barnaby, James C., Westerleigh, Staten Island, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Internal-combustion engine. 1,745,884; Feb. 4.
- Barnaby, James C., Westerleigh, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Internal-combustion engine. 1,754,735; Apr. 15.
- Barnard, Dudley J., Barking, England. Grab. 1,770,453; July 15.
- Barnard, Herbert E., et al. (See Steiner, Martin, assignor.)
- Barnard, Maxwell K., Seminole, assignor to Gypsy Oil Company, Tulsa, Okla. Safety attachment for internal-combustion engines. 1,757,353; May 6.
- Barnard, Neal G., Minneapolis, Minn. Pencil sharpener. 1,783,146; Nov. 25.
- Barnard, Neal G., Minneapolis, Minn. Laundry apparatus. 1,783,147; Nov. 25.
- Barnard, Walter E., assignor to Barr-Morse Corporation, Ithaca, N. Y. Typewriter carrying case. 1,763,999; June 17.
- Barnay, Antoine, Paris, France. Arrangement for reception of electric impulses and for controlling the orientation of commutators. 1,746,881; Feb. 11.
- Barnby, Herbert A., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 82,126; Sept. 30.
- Barnebey, Oscar L., Columbus, Ohio. Manufacture of adsorbent carbons. 1,774,585; Sept. 2.
- Barnebey, Oscar L., Columbus, Ohio, assignor to American Solvent Recovery Corporation. Apparatus for separating and recovering vapors and gases with adsorbent carbon. 1,777,460; Oct. 7.
- Barnebey, Oscar L., Columbus, and M. B. Cheney, deceased, by J. B. Cheney, administratrix, Briggsdale, Ohio. Tunnel kiln. 1,778,747; Oct. 21.
- Barnebey, Oscar L., Detroit, Mich., and M. B. Cheney, deceased, Briggsdale, Ohio; J. B. Cheney, administratrix, assignor to said Barnebey. Manufacture of absorbent carbonaceous material. 1,751,612; Mar. 25.
- Barner, William H., Los Angeles, Calif. Rotary sprinkler. 1,746,575; Feb. 11.
- Barnes, Allen L., Oak Park, Ill. Television transmitting and receiving apparatus. 1,774,348; Aug. 26.
- Barnes, Amos, Pontiac, Mich. Radiator attachment. 1,745,828; Feb. 4.
- Barnes, Anna C., et al. (See Crannell, Charles W., assignor.)
- Barnes, Ansel, Syracuse, N. Y. Ice creeper. 1,767,427; June 24.
- Barnes, Bonner H. (See McAfee, A. McD., and Barnes.)
- Barnes, Carl C., Portland, Oreg. Skimmer. 1,785,689; Dec. 16.
- Barnes Drill Company. (See Johnson, Albert M., assignor.)
- Barnes, Eugene L., Buffalo, N. Y. Compressor pump. 1,782,188; Nov. 18.
- Barnes, Eugene L., Buffalo, N. Y. Refrigerating apparatus. 1,782,189; Nov. 18.
- Barnes, Eugene L., Buffalo, N. Y. Air filter. 1,787,135; Dec. 30.
- Barnes, Eugene L., Buffalo, N. Y., assignor to The Barber Asphalt Company, Philadelphia, Pa. Fluid-tight seal. 1,746,068; Feb. 4.
- Barnes, Eugene L., Buffalo, N. Y., assignor to The Barber Asphalt Company, Philadelphia, Pa. Boiler or cooling unit for refrigerating apparatus. 1,746,922; Feb. 11.
- Barnes, George H., Joliet, Ill. Illuminated sign. 1,781,677; Nov. 18.
- Barnes, George L. (See Logan, Oren E., assignor.)
- Barnes, George L., Los Angeles, Calif. Fixture hanger. 1,777,598; Oct. 7.
- Barnes, George W., Ontario, Calif. Novelty hat. 1,745,240; Jan. 28.
- Barnes-Gibson-Raymond Co. Inc. (See Rodemeyer, Harry, assignor.)
- Barnes, Gladeon M., Hastings, Mich. Ordnance. 1,745,468; Feb. 4.
- Barnes, Gladeon M., Hastings, Mich. Ordnance. 1,772,507; Aug. 12.
- Barnes, Gladeon M., U. S. Army, Hastings, Mich., and G. M. McCann, New Castle, Del. Ordnance. 1,748,272; Feb. 25.
- Barnes, Harold N., Allerton, Liverpool, England. Governor apparatus for controlling the operation of engines or machines. 1,746,628; Feb. 11.
- Barnes, Harold S., Allentown, assignor to P. R. Baker, Columbia, Pa., trading as The United States Lock and Hardware Company. Toy. 1,767,503; June 24.
- Barnes, Harold S., assignor to C. Lowy, Allentown, Pa. Figure toy. 1,774,785; Sept. 2.
- Barnes, Helen, Butte, Mont. Wallet or bill holder. 1,761,976; June 3.
- Barnes, James. (See Heap, W., Read, Barnes, and Ker-mode.)
- Barnes, James, Glasgow, Scotland. Spring clip. 1,784,717; Dec. 9.
- Barnes, John S., assignor to W. F. and J. Barnes Company, Rockford, Ill. Drilling machine. 1,748,941; Mar. 4.
- Barnes, Joseph E., Chicago, Ill. Combination cigarette case and lighter. 1,771,202; July 22.
- Barnes, Leland S., Chattanooga, Tenn. Box or container. 1,781,624; Nov. 11.
- Barnes, Lew, Chicago, Ill. Knockdown fight ring. 1,753,328; Apr. 8.
- Barnes, Nathaniel C. (See Cocks, Harry J., assignor.)
- Barnes, Paul R. (See Brown, Milton V., assignor.)
- Barnes, Robert O., Phoenix, Ariz. Safety razor. 1,765,256; June 17.
- Barnes Sash Holder, Inc. (See Barnes, Stanley, assignor.)
- Barnes Scale Company. (See Fellows, Noble L., assignor.)
- Barnes Scale Company. (See King, Bert W., assignor.)
- Barnes, Stanley, assignor to Barnes Sash Holder, Inc., Indianapolis, Ind. Sash holder. 1,781,912; Nov. 18.
- Barnes, William B., Auburn, Ind., assignor to International Harvester Company. Carburetor. 1,769,098; July 1.
- Barnes, William B., Auburn, Ind., assignor to International Harvester Company. Carburetor-control mechanism. 1,769,099; July 1.
- Barnes, William E., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Glass-pot-filling apparatus. 1,783,459; Dec. 2.
- Barnes, W. F. and John, Company. (See Barnes, John S., assignor.)
- Barnet, John J. (See Underwood, J., and Barnet.)
- Barnett, Arthur J., New York, N. Y., assignor to The Worcester Knitting Co., Worcester, Mass. Brassière for bathing suits. 1,749,966; Mar. 11.
- Barnett, Arthur J., New York, N. Y., assignor to The Worcester Knitting Co., Worcester, Mass. Bathing suit. 1,763,212; June 10.
- Barnett, Charles M. (See Vandegrift, James N., assignor.)
- Barnett, David A., assignor to Heany Laboratories Inc., New Haven, Conn. Automatic clutch mechanism. 1,752,937; Apr. 1.
- Barnett, Harry R., Denver, Colo. Apparatus for selective verbatim coding and decoding. 1,749,933; Mar. 11.
- Barnett, Hubert, San Quentin, Calif. Drilling apparatus. 1,777,156; Sept. 30.
- Barnett, James W., Spokane, Wash. Doorstop. Des. 82,654; Dec. 2.
- Barnett, Louis. (See Reichel, J., and Barnett.)
- Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,748,968; Mar. 4.
- Barney, Frank A., assignor of one-half to F. L. Porter, Crown Point, N. Y. Traffic register. 1,773,718; Aug. 26.
- Barnhart, Alexander H. (See Chase, L. W., Smethers, Brand, and Barnhart.)
- Barnhart Brothers & Spindler. (See Zimmerman, John W., assignor.)
- Barnhart, George E., Pasadena, Calif. Archer's arrow. 1,748,200; Feb. 25.
- Barnhart, George E., Pasadena, Calif. Fuel-reserve apparatus for fuel tanks. 1,769,049; July 1.
- Barnhart, James A., Constantine, Mich. Steering gear. 1,760,733; May 27.
- Barnickel, Wm. S. & Company. (See De Groote, M., and Keiser, assignors.)
- Barnickel, Wm. S., & Company. (See De Groote, M., and Monson, assignors.)
- Barnickel, Wm. S., & Company. (See De Groote, M., Monson, and Wirtel, assignors.)
- Barnickel, Wm. S., & Company. (See De Groote, M., and Wirtel, assignors.)
- Barnow, Frank V., assignor of 20 per cent to J. N. Torain, Fleming, Ky. Propeller mechanism. 1,742,374; Jan. 7.
- Barnowitz, Harry, Brooklyn, N. Y. Combined soap holder and massaging device. 1,748,008; Feb. 18.
- Barnum, Howard N., Cleveland, Ohio. Musical toy. 1,777,712; Oct. 7.
- Barnum, Marshall, assignor to The Acme Wire Company, New Haven, Conn. Producing electric coils. 1,751,971; Mar. 25.
- Barol, Hugo, Philadelphia, Pa. Lady's hand bag. 1,760,681; May 27.
- Baron, Charles S., Tiffin, Ohio. Article container and hinged lid therefor. 1,743,520; Jan. 14.
- Baron, Charles S., Tiffin, Ohio. Container, handle, and top therefor and means of union thereof. 1,763,125; June 10.
- Baron, Edna, Chicago, Ill. Automobile window screen. 1,757,896; May 6.
- Baron, E. E., et al. (See Stephenson, Preston C., assignor.)
- Barone, Salvatore A., Woodside, and S. Isler, West Brighton, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Electrical condenser. 1,743,019; Jan. 7.
- Barousse, Ignacio C., Elmhurst, Ill., assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 80,431; Feb. 4.
- Barque Royalty, Inc. (See Kreager, William A. J., assignor.)
- Barr, Archibald, and W. Stroud, Anniesland, Glasgow, assignors to Barr and Stroud, Limited, Glasgow, Scotland. Topographical stereoscope. 1,743,952; Jan. 14.
- Barr, Archie. (See Kelly, W. J., Burns, and Barr.)
- Barr, Harry D., assignor of forty-nine one hundredths to B. B. McClendon and L. L. Posey, Jackson, Miss. Blow-off or mud valve. 1,755,145; Apr. 15.
- Barr, John H., assignor to Barr-Morse Corporation, Ithaca, N. Y. Typewriter. 1,773,933; Aug. 26.
- Barr, John M., assignor to The Louis Allis Company, Milwaukee, Wis. Dynamo-electric-machine stator. 1,742,182; Jan. 7.

- Barr, John M., assignor to The Louis Allis Company, Milwaukee, Wis. Dynamo-electric machine. 1,756,672; Apr. 29.
- Barr, John M., Cleveland, Ohio, and H. L. Smith, assignor to The Louis Allis Company, Milwaukee, Wis. Current collector. 1,756,004; Apr. 22.
- Barr-Morse Corporation. (See Barnard, Walter E., assignor.)
- Barr-Morse Corporation. (See Barr, John H., assignor.)
- Barr, Sidney U., Montclair, N. J. Folding metal window. 1,746,983; Feb. 11.
- Barr and Stroud, Limited. (See Barr, A., and Stroud, assignor.)
- Barrans, William T., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making composite electrical conductors. 1,765,521; June 24.
- Baratt, Whitford R. (See Rial, W. D., and Barratt.)
- Barre, Herbert A. (See Sorensen, R. W., and Barre.)
- Barrell, Charles S., Boston, Mass. Internal-combustion engine. 1,748,273; Feb. 25.
- Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Lift truck. 1,773,934; Aug. 26.
- Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Lift truck. 1,773,935; Aug. 26.
- Barrett Blue Blaze Burner Co. (See Barrett, James J., assignor.)
- Barrett, Charles A., Buffalo, N. Y. Conveyor for heat-treating furnaces. 1,753,679; Apr. 8.
- Barrett, Charles G., Shorewood, Wis. Internal-combustion engine. 1,772,742; Aug. 12.
- Barrett Company, The. (See Chillas, Richard B., jr., assignor.)
- Barrett Company, The. (See Cole, P. J., and Banta, assignors.)
- Barrett Company, The. (See Cowdery, Arthur B., assignor.)
- Barrett Company, The. (See Eckert, Clarence R., assignor.)
- Barrett Company, The. (See Harshberger, Norman P., assignor.)
- Barrett Company, The. (See Harvey, Edward W., assignor.)
- Barrett Company, The. (See Hultberg, Gottfrid, assignor.)
- Barrett Company, The. (See Hunické, Raymond S., assignor.)
- Barrett Company, The. (See MacCubbin, A. A., and Zavertnik, assignors.)
- Barrett Company, The. (See Martin, Samuel G., assignor.)
- Barrett Company, The. (See McCloskey, Gregory E., assignor.)
- Barrett Company, The. (See Miller, Stuart P., assignor.)
- Barrett Company, The. (See Mortimer, Charles W., assignor.)
- Barrett Company, The. (See Moses, F. G., Hess, and Perkins, assignors.)
- Barrett Company, The. (See Perry, Ray P., assignor.)
- Barrett Company, The. (See Reeve, Charles S., assignor.)
- Barrett Company, The. (See Stinger, Daniel, assignor.)
- Barrett Company, The. (See Talbott, Charles G., assignor.)
- Barrett Company, The. (See Yeager, F. W., and Schulz, assignors.)
- Barrett-Cravens Company. (See Barrett, Arthur M., assignor.)
- Barrett, Edgar. (See Brown, J., and Barrett.)
- Barrett, Edward F., Buffalo, N. Y. Game and game apparatus. 1,772,583; Aug. 12.
- Barrett, Edward L., assignor to Utah Radio Products Co., Chicago, Ill. Alternating-current motor. 1,770,905; July 22.
- Barrett, Edward R., assignor to Wood Hydraulic Hoist & Body Company, Detroit, Mich. Tilting and dumping body. 1,743,094; Jan. 14.
- Barrett, Edward R., assignor to Wood Hydraulic Hoist & Body Company, Detroit, Mich. Truck-body-tilting apparatus. 1,744,943; Jan. 28.
- Barrett, Eola, et al. (See Core, Joe, assignor.)
- Barrett, Florine, Flint, Mich. Ruler or scale. 1,776,245; Sept. 23.
- Barrett, Geoffrey F., Springfield, England, assignor to Norma-Hoffmann Bearings Corporation. Mountings of calender rolls and the like. 1,785,886; Dec. 23.
- Barrett, Glenn J., assignor to Portable Adding Machine Company, Chicago, Ill. Locking device for adding-machine cases. 1,743,261; Jan. 14.
- Barrett, Glenn J., Evanston, assignor to Portable Adding Machine Company, Chicago, Ill. Adding machine. 1,784,862; Dec. 16.
- Barrett, Harold J., Wilmington, Del., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Soldering flux. 1,785,173; Dec. 16.
- Barrett, Harry B., assignor to H. B. Barrett Co., Limited, Los Angeles, Calif. Brake-drum-truing machine. 1,772,025; Aug. 5.
- Barrett, Harold G., Wilmette, assignor to Pyratone Products Corporation, Chicago, Ill. Golf-club shaft. 1,777,822; Oct. 7.
- Barrett, H. B., Co. (See Barrett, Harry B., assignor.)
- Barrett, James J., White Plains, N. Y., assignor to Barrett Blue Blaze Burner Co., Inc. Oil burner. 1,780,219; Nov. 4.
- Barrett, Joseph M., Fostoria, assignor to The Swartwout Company, Cleveland, Ohio. Drainage control. 1,754,781; Apr. 15.
- Barrett, Joseph M., Fostoria, assignor to The Swartwout Company, Cleveland, Ohio. Air-relief valve. 1,754,782; Apr. 15.
- Barrett, Joseph M., Fostoria, assignor to The Swartwout Company, Cleveland, Ohio. Drainage-control system. 1,770,831; July 15.
- Barrett, Joseph M., Fostoria, assignor to The Swartwout Company, Cleveland, Ohio. Feed-water-regulating system. 1,777,633; Oct. 7.
- Barrett, Joseph O., Rydal, Kans. Door or gate operating mechanism. 1,759,293; May 20.
- Barrett, Karl E., and G. K. Fuller, Sherbrooke, Quebec, assignors to The B. S. & M. Scale Company Limited, Sherbrooke, Canada. Weighing scale. 1,759,880; May 27.
- Barrett, Thomas J., Los Angeles, Calif. Index. 1,767,645; June 24.
- Barrière, Wilfrid H., Worcester, Mass. Night lunch cart or diner. 1,779,082; Oct. 21.
- Barringer, Elmer D., Cleveland, Ohio. Sash plug. 1,751,679; Mar. 25.
- Barringer, Lawrence E., Schenectady, N. Y., assignor to General Electric Company. Coated metal article and applying coatings thereof. 1,772,743; Aug. 12.
- Barrington, John H., Baltimore, Md., assignor, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Yeast manufacture. 1,784,618; Dec. 9.
- Barroll, Henry E., Chicago, Ill. Container. 1,746,332; Feb. 11.
- Barron, William L., Laurence Harbor, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stitch-forming mechanism for sewing machines. 1,781,427; Nov. 11.
- Barros, Alvaro de M., Sao Paulo, Brazil. Reenforcing mechanism for motor vehicles. 1,770,122; July 8.
- Barrow, John, Columbiana, Ohio. Method of and apparatus for forge-welding cylinders and the like. 1,743,307; Jan. 14.
- Barrowman, Arthur H., assignor to J. M. Fisher Company, Attleboro, Mass. Bracelet-extension device. 1,774,544; Sept. 2.
- Barrows, Allan S., Los Angeles, Calif., assignor to The Youngtown Steel Door Company, Cleveland, Ohio. Car door. 1,748,942; Mar. 4.
- Barrows, Allan S., Los Angeles, Calif., assignor to The Youngtown Steel Door Company, Cleveland, Ohio. Car door. 1,752,286; Apr. 1.
- Barrows, Allan S., Los Angeles, Calif., assignor to The Youngtown Steel Door Company, Cleveland, Ohio. Locking mechanism for doors. 1,753,070; May 13.
- Barrows, Allan S., Los Angeles, Calif., assignor to The Youngtown Steel Door Company, Cleveland, Ohio. Metallic car door. 1,762,151; June 10.
- Barrows, Allan S., Los Angeles, Calif., assignor to The Youngtown Steel Door Co., Cleveland, Ohio. Dump car. 1,774,125; Aug. 26.
- Barrows, Donald S. (See Kadel, B. W., and Barrows.)
- Barrows, Donald S., Rochester, N. Y. Railway truck. 1,753,105; Apr. 1.
- Barrows, Donald S., Rochester, N. Y. Railway truck. 1,756,168; Apr. 29.
- Barrows, Donald S., Rochester, N. Y. Railway truck. 1,775,114; Sept. 9.
- Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Side frame. 1,748,749; Feb. 25.
- Barrows, Donald S., Rochester, N. Y., assignor, by mesne assignments, to The Symington Company. Journal box. 1,749,095; Mar. 4.
- Barrows, Donald S., Rochester, N. Y., assignor, by mesne assignments, to The Symington Company. Dust guard. 1,760,105; May 27.
- Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Draft rigging. 1,761,171; June 3.
- Barrows, Donald S., Rochester, assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Outlet for generator leads. 1,772,275; Aug. 5.
- Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, Depew, N. Y. Side frame. 1,772,623; Aug. 12.
- Barrows, Donald S., Rochester, assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Back-gear generator drive. 1,774,164; Aug. 26.
- Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, Depew, N. Y. Side frame. 1,774,481; Aug. 26.
- Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Buffer and draft device. 1,775,616; Sept. 9.
- Barrows, Donald S., Rochester, N. Y., assignor, by mesne assignments, to The Symington Company. Draft-key cotter. 1,775,884; Sept. 16.
- Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, Depew, N. Y. Side frame. 1,778,179; Oct. 14.
- Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Side frame. 1,778,180; Oct. 14.
- Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Side frame and journal box. 1,779,526; Oct. 28.

- Barrows, Donald S., Rochester, N. Y., assignor, by mesne assignments, to The Symington Company. Journal box. 1,782,055; Nov. 18.
- Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,786,419; Dec. 30.
- Barrows, Harry E., assignor to Dillingham Manufacturing Co., Sheboygan, Wis. Combination stool and stepladder. 1,766,771; June 24.
- Barrus, George L., Goshen, Mass. Snow fence. 1,773,128; Aug. 19.
- Barry, David H., Brooklyn, N. Y. Rayproof building block. 1,780,107; Oct. 28.
- Barry, David H., Brooklyn, N. Y. Rayproof structure. 1,780,108; Oct. 28.
- Barry, Ernest M., Maywood, Calif. Automobile electromagnetic specialty tool. 1,772,126; Aug. 5.
- Barry, James, Los Angeles, Calif. Agricultural implement. 1,771,025; July 22.
- Barry, James J., Dartmouth, Nova Scotia, Canada. Brining machine. 1,783,898; Dec. 2.
- Barry, James J., assignor to General Seafoods Corporation, Gloucester, Mass. Fish scaler. 1,746,813; Feb. 11.
- Barry, James J., Gloucester, Mass., assignor to Frosted Foods Company, Inc., Dover, Del. Filtering machine. 1,759,828; May 27.
- Barry, Jerry, Melfort, Saskatchewan, Canada. Cooker. 1,763,126; June 10.
- Barry, Joseph R., Fairfield, Conn. Auto screen. 1,750,343; Mar. 11.
- Barry, Thomas F., Muscatine, Iowa. Tackle box. 1,772,744; Aug. 12.
- Barry, Walter M., New York, N. Y. Display or advertising device. 1,750,986; Mar. 18.
- Barrymore Concrete Mixer Corporation. (See Daddisman, Reginald A., assignor.)
- Barsch, Henry G., Stonewall, Tex. Wire-splicing tool. 1,747,812; Feb. 18.
- Barsky, George, assignor to American Cyanamid Company, New York, N. Y. Inhibitor. 1,771,702; July 29.
- Barsky, George, New York, N. Y., and P. W. Griffith, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Producing urea. 1,758,641; May 13.
- Barstow, Edwin O. (See Dow, H. H., and Barstow.)
- Barstow, Edwin O., assignor to The Dow Chemical Company, Midland, Mich. Electrolytic production of light metals. 1,755,380; Apr. 22.
- Barstow, Edwin O., assignor to The Dow Chemical Company, Midland, Mich. Fixing or recovering chlorine. 1,781,830; Nov. 18.
- Barstow, Edwin O., and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Powdered metallic chloride and making same. 1,768,282; June 24.
- Barstow, Edwin O., and A. C. White, assignors to The Dow Chemical Company, Midland, Mich. Bag manufacture. 1,753,281; Apr. 8.
- Barstow, Welch, assignor to Recording Thermometer Company, Los Angeles, Calif. Recording thermometer. 1,752,362; Apr. 1.
- Bart, Blasius, East Orange, assignor to Bart Reflector Co. Inc., Newark, N. J. Cathode. 1,746,211; Feb. 4.
- Bart, Blasius, East Orange, assignor to Bart Reflector Co., Inc., Newark, N. J. Method and apparatus for forming molds. 1,765,320; June 17.
- Bart Reflector Co. (See Bart, Blasius, assignor.)
- Bart Reflector Co. Inc. (See Bart, Blasius, assignor.)
- Barta, Joseph, Martins Ferry, Ohio. Tub. 1,778,620; Oct. 14.
- Bartel, Englebert A., assignor to P-W Device Corporation, Brooklyn, N. Y. Feed board for printing presses. 1,765,859; June 24.
- Bartel, Erwin G., assignor of one-half to G. B. German, Duluth, Minn. Brake-band-drilling attachment. 1,778,579; Oct. 14.
- Bartels, Edward E., assignor to Standard Oil Company, Whiting, Ind. Bubble tower. 1,770,725; July 15.
- Bartels, Edward E., assignor to Standard Oil Company, Whiting, Ind. Converting high-boiling hydrocarbon oils. 1,782,160; Nov. 18.
- Bartels, Ida M., et al, executors. (See Bartels, Reinhard E.)
- Bartels, R. Burleigh, et al., executors. (See Bartels, Reinhard E.)
- Bartels, Reinhard E., Melrose, Mass. Shoe-shank stiffener. 1,763,744; June 17.
- Bartels, Reinhard E., Melrose, Mass. Shoe and shoe sole and shank stiffener. 1,766,479; June 24.
- Bartels, Reinhard E., deceased, Lynn, Mass.; I. M. Bartels and R. B. Bartels, executors. Repairing shoes. 1,763,743; June 17.
- Bartels, Reinhard E., deceased, Lynn, Mass.; I. M. Bartels and R. B. Bartels, executors. Shank stiffener. 1,764,064; June 17.
- Bartels, William, New York, N. Y. Tool. 1,746,513; Feb. 11.
- Bartenbach, Herman, Pittsburgh, Pa. Instrument case. 1,755,171; Apr. 22.
- Barth, Clarence W., Newburgh, N. Y. Surgical dressing. 1,753,106; Apr. 1.
- Barth, Joseph L., Bismarck, N. Dak. Metatarsal-pad locator. 1,756,780; Apr. 29.
- Barth, Otto J., Kansas City, Mo. Airplane. 1,760,865; June 3.
- Barth, Paul, et al. (See Dopyera, John, assignor.)
- Barthes, Emil, Salinas, Calif. Heel protector. 1,770,261; July 8.
- Bartholdi, Henry, Geneva, Switzerland, assignor to The Egly Register Company, Dayton, Ohio. Autographic register. 1,766,972; June 24.
- Bartholdi, Reinhold A., Duluth, Minn. Show case. Des. 80,355; Jan. 21.
- Bartholdi, Reinhold A., Duluth, Minn. Display stand. Des. 80,475; Feb. 11.
- Bartholdi, Reinhold A., Duluth, Minn. Show case or similar article. Des. 80,476; Feb. 11.
- Bartholomew, Cassius M., Columbus, Ohio. Toothpick holder. 1,785,107; Dec. 16.
- Bartholomew, Harry G. (See McFarlane, M. L. D., and Bartholomew.)
- Bartholomew, Harry G., London, England, and M. L. D. McFarlane, New York, N. Y. Telautography. Re17,793; Sept. 2.
- Bartholomew, Harry G., London, England. Phototelegraphy. 1,758,388; May 13.
- Bartholomew, Orlo A., Kansas City, Mo. Seasoning logs. 1,756,477; Apr. 29.
- Bartholomew, Orlo A., Kansas City, Mo. Process and apparatus for barking logs. 1,781,942; Nov. 18.
- Bartholomew, Orlo A., St. Louis, Mo. Crane-operated device. 1,781,943; Nov. 18.
- Bartholomew, Scott C., Pittsburgh, Pa., assignor, by mesne assignments, to Remington Rand, Inc., New York, N. Y. Card-group control for tabulating machines. 1,760,393; May 27.
- Bartholomew, Scott C., Pittsburgh, Pa., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Stopping device for card-feeding machines. 1,776,823; Sept. 30.
- Bartholomew, Sherman, Guerneville, assignor of one-half to H. Harris, Rionide, Calif. Drinking fountain for poultry or small animals. 1,782,673; Nov. 25.
- Bartholomew, Stanley. (See Nutt, H. G., and Bartholomew.)
- Bartik, Josef, Vienna, Austria. Electrical heating apparatus. 1,758,213; May 13.
- Bartkowski, Edward J. (See Wajda, A. A., and Bartkowski.)
- Bartlett, Albert C., Watford, assignor to The General Electric Company Limited, London, England. Line balance for loaded telephone circuits. 1,767,199; June 24.
- Bartlett, Albert C., Watford, assignor to The General Electric Company Limited, Magnet House, London, England. Line balance for loaded telephone circuits. 1,767,200; June 24.
- Bartlett, Alexandra T., assignor to H. M. Snyder, New York, N. Y. Chair. Des. 82,538; Nov. 18.
- Bartlett, Andrew A., et al. (See Miller, William A., assignor.)
- Bartlett, C. O., & Snow Company, The. (See Jones, Edward N., assignor.)
- Bartlett, C. O., & Snow Company, The. (See Snow, Karl F., assignor.)
- Bartlett-Collins Company. (See Bartlett, Edward E., assignor.)
- Bartlett, Edward E., Sapulpa, Okla. Tumbler. Des. 81,427; June 17.
- Bartlett, Edward E., assignor to Bartlett-Collins Company, Sapulpa, Okla. Tumbler or similar article. Des. 80,596; Mar. 4.
- Bartlett, Frank M., Reading, and B. F. Hartwell, Winchester, Mass. Hat making. 1,786,327; Dec. 23.
- Bartlett, Gad R., Boston, Mass. Escalator. 1,743,995; Jan. 14.
- Bartlett, George M., assignor to Diamond Chain and Manufacturing Company, Indianapolis, Ind. Chain oiler. 1,771,835; July 29.
- Bartlett Hayward Company, The. (See Kuehn, Paul M., assignor.)
- Bartlett Hayward Company, The. (See McGurty, William J., assignor.)
- Bartlett, Hayward Company, The. (See Murphy, Edward J., assignor.)
- Bartlett Hayward Company, The. (See Uhlig, E. C., and Murphy, assignors.)
- Bartlett Hayward Company, The. (See Wagner, Frederick H., assignor.)
- Bartlett, John H., jr., assignor to The Oshkosh Trunk Company, Oshkosh, Wis. Garment hanger. 1,784,569; Dec. 9.
- Bartlett, John N., Winnipeg, Manitoba, Canada. Amusement device. 1,745,241; Jan. 28.
- Bartlett, Robert S., C. D. Harrison, and P. D. Lindsey, Hominy, Okla. Incubator. 1,775,481; Sept. 9.
- Bartley, Charles B., and V. H. Dake, Pittsburgh, Pa. Control system. 1,765,045; June 17.
- Bartley, Charles B., and V. H. Dake, Pittsburgh, Pa. Current-rectifying apparatus. 1,782,228; Nov. 18.
- Bartley, Clifford O., Denver, Colo. Grinding mill. 1,772,026; Aug. 5.
- Bartling, Friedrich. (See Honigmann, L., and Bartling.)
- Bartling, Friedrich, Munich, Germany. Charging device for ovens of the rotary annular sole-plate type. 1,763,453; June 10.
- Bartling, Friedrich, Munich, Germany. Rotary-hearth oven. 1,765,196; June 17.

- Bartling, Friedrich, Munich, Germany. Thermal treatment of pulverulent material. 1,781,659; Nov. 11.
- Bartling, Howard G., Chicago, Ill., assignor to Sewall Paint & Varnish Company, Kansas City, Mo. Rubbing machine. 1,775,186; Sept. 9.
- Bartlow, Frank, Millville, Pa. Burial vault. 1,772,412; Aug. 5.
- Bartlow, Justin D., Long Beach, Calif. Carpet stretcher. 1,766,423; June 24.
- Bartoletti, Dante, Pittsburgh, Pa., assignor of one-half to M. Fredici, Monessen, Pa. Antiskid chain for automobiles. 1,782,283; Nov. 18.
- Barton, Annie E., Roy, Utah. Flower table. 1,764,543; June 17.
- Barton, Ardon K., Blue Ridge Summit, Pa. Flush-tank valve. 1,769,485; July 1.
- Barton, Charles B. (See Fownes, W. C., jr., Barton, and Benninghoff.)
- Barton, Edward O. (See Novinsky, R. A., and Barton.)
- Barton, Francis M., assignor to G. Thompson, Chicago, Ill. Concrete floor construction. 1,753,496; Apr. 8.
- Barton, Fred C., Schenectady, N. Y., assignor to General Electric Company. Radio receiving apparatus. 1,783,899; Dec. 2.
- Barton, Frederick C., Schenectady, N. Y., assignor to General Electric Company. Apparatus for the interconversion of sound and electrical impulses. 1,748,858; Feb. 25.
- Barton, Frederick C., Schenectady, N. Y., assignor to General Electric Company. Condenser microphone. 1,758,777; May 13.
- Barton, Frederick C., Schenectady, N. Y., assignor to General Electric Company. Power-supply system. 1,774,467; Aug. 26.
- Barton, Frederick C., Schenectady, N. Y., assignor to General Electric Company. Amplifying system. 1,778,058; Oct. 14.
- Barton, John H., assignor to The Florida Copy-Writing Corporation, Miami, Fla. Typewriter attachment. 1,781,312; Nov. 11.
- Barton, John T., San Angelo, Tex. Fence. 1,764,284; June 17.
- Barton, Larry J., McGill, Nev. Making grinding balls. 1,746,236; Feb. 11.
- Barton, Paul D., assignor to United Oil Company, Los Angeles, Calif. Absorption process. 1,748,051; Feb. 25.
- Barton, Sidney O. (See Dievendorf, H. H., and Barton.)
- Barton, Silas J., Chicago, Ill. Car wheel. 1,759,083; May 20.
- Barton, Theophilus F., Upper Montclair, N. J., assignor to General Electric Company. System of electric distribution. 1,780,668; Nov. 4.
- Barton, William MacK., Florence, Ala. Prison bar and alarm-system circuit closer. 1,787,350; Dec. 30.
- Baruch, Sydney N., New York, N. Y. System of recording vibrations and reproducing same. 1,774,821; Sept. 2.
- Barzen, Richard G., Kansas City, Mo. Thrust apparatus for friction hoists. 1,773,509; Aug. 19.
- Basch, Arthur C. (See Kelly, William J., assignor.)
- Basch, David. (See Fuller, T. S., and Basch.)
- Bascom, Calvin P. (See Hall, W. E., and Bascom.)
- Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Voltage-limiting device. 1,772,508; Aug. 12.
- Bascom, Henry M., Brooklyn, N. Y., and W. T. Haines, Mountain Lakes, N. J., assignors to American Telephone and Telegraph Company. Telephone-exchange system. 1,748,166; Feb. 25.
- Bascom, Thomas D., assignor to The Standard Tool Co., Cleveland, Ohio. Chuck. 1,776,675; Sept. 23.
- Bascombe, Frank J. (See Reid, W. L., and Bascombe.)
- Basehoar, Lloyd M. (See Hollinger, William M., assignor.)
- Basel, Arthur H., Ithaca, Nebr. Corn popper. 1,781,678; Nov. 18.
- Basevi, James. (See Gibbons, C., Layton, and Basevi.)
- Bash, Thomas B., Kansas City, Mo. Fuse switch. 1,769,936; July 8.
- Bashara, Joseph F., et al. (See Rains, Joshua C., assignor.)
- Bashe, Carl E., and E. F. O'Neill, Minneapolis, Minn. Compact or container with holder. 1,777,543; Oct. 7.
- Bashor, Emery E., and E. N. Wray, Berthoud, Colo. Tractor hitch. 1,767,114; June 24.
- Basile, Tony. (See Furnari, C., Basile, and Sciotto.)
- Basinger, Americus D., assignor of one-half to R. P. Walker, Plymouth, N. C. Veneer knife. 1,758,423; May 13.
- Baskerville, Benjamin J., Joliet, Ill. Freight-car door. 1,744,152; Jan. 21.
- Baskerville, John B., assignor to Impactograph Corporation, Roanoke, Va. Impact recorder. 1,745,522; Feb. 4.
- Bass, Donnie L., assignor of one-fourth to C. H. Smith and one-fourth to J. S. Howell, Asheville, N. C. Surgical appliance. 1,770,832; July 15.
- Bass, Earl E., Fort Mill, S. C., assignor to Draper Corporation, Hopedale, Mass. Shuttle-feeler mechanism for looms. 1,783,768; Dec. 2.
- Bass, Hedwig R., Sunnyside, Long Island, N. Y. Combined comfort and health stocking. 1,775,714; Sept. 16.
- Bass, Rubin, Brooklyn, N. Y. Vacuum-cleaner brush. 1,742,375; Jan. 7.
- Bass, William L., Branchville, N. J. Sanitary belt and producing same. 1,777,191; Sept. 30.
- Bassett, Bert L. (See Abbott, C. C., and Bassett.)
- Bassett, Edward W., assignor to The Celma Company, Toledo, Ohio. Compact. 1,780,736; Nov. 4.
- Bassett, Harry P., Cynthiana, Ky. Recovering volatile plasticizers from celluloid and the like. 1,756,331; Apr. 29.
- Bassett, Harry P., Cynthiana, Ky. Making alkali-metal sulphhydrates. 1,766,810; June 24.
- Bassett, Harry P., Cynthiana, Ky., and T. F. Banigan, Clifton Heights, Pa., assignors, by mesne assignments, to Meigs, Bassett & Slaughter, Inc., Philadelphia, Pa. Mercerizing. 1,758,553; May 13.
- Bassett, Harry P., Cynthiana, Ky., and R. C. Morrison, Lansdowne, Pa., assignors to C. A. Bianchi, Nutley, N. J., and Meigs, Bassett & Slaughter, Inc., Philadelphia, Pa. Preparing borneol and the like. 1,766,369; June 24.
- Bassett, Henry L., assignor to Columbus Handle & Tool Corporation, Columbus, Ind. Shovel handle. 1,770,284; July 8.
- Bassett, Henry L., assignor to Columbus Handle and Tool Corporation, Columbus, Ind. Tool handle. 1,785,608; Dec. 16.
- Bassett, Irvin L. (See Abbott, C. C., and Bassett.)
- Bassett, J. Colby, et al, executors. (See Chapin, Howard G.)
- Bassett Metal Goods Company, The. (See Stuart, Henry J., assignor.)
- Bassett, Preston R., assignor, by mesne assignments, to Sperry Gyroscope Company Inc., Brooklyn, N. Y. Gyroscopic compass. 1,749,059; Mar. 4.
- Bassett, Preston R., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Unattended beacon. 1,753,144; Apr. 1.
- Bassett, Robert S., Buffalo, N. Y. Liquid meter. 1,762,949; June 10.
- Bassett, Robert S., Buffalo, N. Y. Liquid meter. 1,763,213; June 10.
- Bassett, Willard E. (See Abbott, C. C., and Bassett.)
- Bassett, William H., Cheshire, assignor to The American Brass Company, Waterbury, Conn. Alloy wire. 1,744,717; Jan. 28.
- Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)
- Bassick Company, The. (See Herold, Walter F., assignor.)
- Bassick Company, The. (See Moore, Raymond G., assignor.)
- Bassick Company, The. (See Moore, R. G., and Claud-Mantle, assignors.)
- Bassick Company, The. (See Moore, R. G., and Sargent, assignors.)
- Bassick Company, The. (See Specht, Harry G., assignor.)
- Bassick, William R. (See Kincaid, Frank M., assignor.)
- Bassist, Ellis, Milwaukee, Wis., assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Step and repeat printing apparatus. 1,750,294; Mar. 11.
- Bassist, Ellis, Milwaukee, Wis., assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Negative locating device for step-and-repeat printing apparatus. 1,761,863; June 3.
- Bassler, Edwin M., Milwaukee, Wis. Air and gas washing apparatus. 1,766,588; June 24.
- Bast, Dale D., Braddyville, and H. C. Johnson, Blanchard, Iowa. License-plate holder. 1,755,625; Apr. 22.
- Bastiaens, Marion, Elberon, N. J., assignor to Belle-Rea Corporation, Wilmington, Del. Measuring dispensing device for containers. 1,781,968; Nov. 18.
- Bastian, Arthur J., Wilkensburg Pa., assignor to Westinghouse Electric & Manufacturing Company. Gear wheel. 1,743,095; Jan. 14.
- Bastian-Blessing Company, The. (See Bastian, Charles L., assignor.)
- Bastian-Blessing Company, The. (See Buttner, William C., assignor.)
- Bastian-Blessing Company, The. (See Evleth, Earl M., assignor.)
- Bastian Bros. Company. (See Hoppe, Robert A., assignor.)
- Bastian, Charles L., assignor to The Bastian-Blessing Company, Chicago, Ill. Ice-cream refrigerator. 1,743,651; Jan. 14.
- Bastian-Morley Co. (See Ginther, Howard E., assignor.)
- Bastian-Morley Co. (See Lonergan, Simon J., assignor.)
- Bastian, Theodore J., Los Angeles, Calif. Automobile signal. Des. 81,954; Sept. 9.
- Bastien, Paul, Indianapolis, Ind. Engine. 1,785,108; Dec. 16.
- Bastien, Paul, Lansing, Mich., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. Re17,888; Dec. 2.
- Bataille, Edouard, Paris, France. Autonomous apparatus for neutralizing and bleaching heated oleaginous liquids under vacuum. 1,748,274; Feb. 25.
- Bataille, Gerald S., Somerville, Mass. Refrigerator. 1,786,817; Dec. 30.
- Batchelder, Vera C. (See Thomas, Leslie J., assignor.)
- Batchell, George W., Toledo, Ohio. Glass tank. 1,780,164; Nov. 4.
- Batcheller, Clements, Portsmouth, N. H., assignor to Bemis Industries, Incorporated, Boston, Mass. Roofing starter. 1,765,197; June 17.
- Batchelor, Landon, Lawrenceburg, Ind. Seed planter. 1,785,926; Dec. 23.
- Batdorf, Charles S., Brooklyn, N. Y. Method of and machine for making cups. 1,756,478; Apr. 29.
- Bate, John W., assignor to Walker Manufacturing Company, Racine, Wis. Screw jack. 1,777,599; Oct. 7.

- Bateholts, Clinton, assignor to Specialty Insulation Manufacturing Company, Inc., Hoosick Falls, N. Y. Plug socket for electrical connections. 1,756,933; May 6.
- Bateholts, Clinton, assignor to Specialty Insulation Manufacturing Company, Inc., Hoosick Falls, N. Y. Acoustic diaphragm and its manufacture. 1,759,387; May 20.
- Batemen, Arthur T., and A. Irvine, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Mold. 1,766,093; June 24.
- Bateman, Arthur T., and A. Irvine, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Device for operating mold members. 1,772,795; Aug. 12.
- Bateman, Arthur T., and A. Irvine, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Molding apparatus. 1,777,287; Oct. 7.
- Bateman, Arthur T., and A. Irvine, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Molding apparatus. 1,780,514; Nov. 4.
- Bateman, Arthur T., and F. E. Storey, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Mold stand. 1,777,288; Oct. 7.
- Bateman, Arthur T., and F. E. Storey, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Mold stand. 1,777,289; Oct. 7.
- Bateman, Ralph E., Detroit, Mich. Production of varicolored effects. 1,774,694; Sept. 2.
- Bateman, William H. (See Leach, R. W., and Bateman.)
- Batenburg, Peter J. F., Racine, and C. J. Atkinson, Milwaukee, Wis.; said Atkinson assignor to said Batenburg. Pad for electroplating devices. 1,758,682; May 13.
- Bates, Adelmor M., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Sewing. 1,758,101; May 13.
- Bates, Adelmor M., and J. E. Cornell, assignors, by mesne assignments, to Bates Valve Bag Corporation, Chicago, Ill. Paper bag. 1,752,292; Apr. 1.
- Bates, Albert H., assignor to Burd High Compression Ring Company, Rockford, Ill. Automobile heater. 1,746,985; Feb. 11.
- Bates, Albert H., Cleveland, Ohio, assignor to Motor Terminals Company, Wilmington, Del. Apparatus for transferring freight. 1,766,589; June 24.
- Bates, Albert J., Jr., Chicago, Ill., assignor to Bates Expanded Steel Truss Co., East Chicago, Ind. Metal joist and the manufacture thereof. 1,763,943; June 17.
- Bates, Albert J., Jr., Chicago, Ill., assignor to Bates Expanded Steel Truss Co., East Chicago, Ind. Shearing machine. 1,764,285; June 17.
- Bates, Arthur, and F. Ricks, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Attachment of binding and like strips to articles. 1,751,123; Mar. 18.
- Bates, Arthur, and F. B. Keall, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine and method for flap splitting and heel-seat tonguing. 1,757,160; May 6.
- Bates, Bethel J., assignor of one-half to A. S. Gregg, Cleveland, Ohio. Balance for watch movements. 1,752,773; Apr. 1.
- Bates, Charles F. W., Cleveland Heights, Ohio. Radiotube. 1,753,260; Apr. 8.
- Bates Expanded Steel Truss Co. (See Bates, Albert J., Jr., assignor.)
- Bates Expanded Steel Truss Company. (See Bates, Richard A., assignor.)
- Bates Expanded Steel Truss Co. (See Wallen, Arthur C., assignor.)
- Bates, Floyd, Rexburg, Idaho. Potato cutter. 1,745,001; Jan. 28.
- Bates, George E., Syracuse, N. Y. Direction-indicator-operating means. 1,748,534; Feb. 25.
- Bates, Harold, assignor to Bates & Kinke, Inc., Attleboro, Mass. Finger ring. Des. 82,127; Sept. 30.
- Bates, Harry H., Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coal pulverizer. 1,762,379; June 10.
- Bates, Harry R., Atlanta, Ga., assignor, by mesne assignments, to Citrus Compound Corporation. Processing of fruit to prevent decay. 1,774,310; Aug. 26.
- Bates, Joseph H., Anfield, England. Machine for making cup wafers, water biscuits, and the like. 1,769,661; July 1.
- Bates & Klinke, Inc. (See Bates, Harold, assignor.)
- Bates & Klinke, Inc. (See Klinke, Oscar F., assignor.)
- Bates, Laurence G., assignor to The Bowler and Burdick Company, Cleveland, Ohio. Electrically-operated hand tool. 1,772,852; Aug. 12.
- Bates, Luther E., assignor to Morton Manufacturing Company, Chicago, Ill. Door mounting for cabinets and the like. 1,776,648; Sept. 23.
- Bates Manufacturing Company. (See Haupt, William F., assignor.)
- Bates Manufacturing Co. (See Stewart, Samuel, assignor.)
- Bates, Michael U., Metagama, Ontario, Canada. Snow-shoe harness. 1,747,213; Feb. 18.
- Bates, Mortimer F., assignor, by mesne assignments, to Sperry Gyroscope Company Inc., Brooklyn, N. Y. Bomb sight. 1,783,769; Dec. 2.
- Bates, Mortimer F., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Dead-reckoning tracer. 1,785,241; Dec. 16.
- Bates, Ralph E., Medford, assignor to Submarine Signal Corporation, Boston, Mass. Electric compensator. 1,755,345; Apr. 22.
- Bates, Richard A., assignor to Bates Expanded Steel Truss Company, East Chicago, Ind. Joist and the manufacture thereof. 1,748,628; Feb. 25.
- Bates, Richard A., assignor to Bates Expanded Steel Truss Company, East Chicago, Ind. Joist and the manufacture thereof. 1,763,944; June 17.
- Bates Valve Bag Corporation. (See Bates, A. M., and Cornell, assignors.)
- Bates Valve Bag Corporation. (See Cornell, John E., assignor.)
- Bates Valve Bag Corporation. (See Hartman, Louis H., assignor.)
- Bates, Walter A., assignor to Walter Bates Steel Corporation, Gary, Ind. Grating. 1,744,153; Jan. 21.
- Bates, Walter A., assignor to Walter Bates Steel Corporation, Gary, Ind. Earth anchor. 1,746,848; Feb. 11.
- Bates, Walter A., assignor to Walter Bates Steel Corporation, Gary, Ind. Expanded-metal structure. 1,768,099; June 24.
- Bates, Walter E. (See McClaran, M. I., and Bates.)
- Bates, Walter, Steel Corporation. (See Bates, Walter A., assignor.)
- Bates, Walter, Steel Corporation. (See Sheldon, Charles C., assignor.)
- Bateson, Charles C. (See Wickstrom, Paul E., assignor.)
- Bateson, Thomas H., assignor to Multibestos Company, Wapole, Mass. Clutch-ring-shearing machine. 1,780,259; Nov. 4.
- Bath, John. (See Peterson, H. L., and Burbidge, assignors.)
- Bath, John, Worcester, Mass. Grinding machine. 1,757,161; May 6.
- Bath, John, Worcester, Mass. Grinding machine. 1,771,948; July 29.
- Bath, Wilmer H., West Conshohocken, assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine. 1,750,154; Mar. 11.
- Batie, Joseph E., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Apparatus for expanding cup-shaped members. 1,753,680; Apr. 8.
- Batie, Joseph E., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Machine for turning brake drums and the like. 1,766,210; June 24.
- Batsel, Max C., Yonkers, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Radio receiving system. Re17,909; Dec. 23.
- Batson, Jonas W., Spartanburg, S. C. Brake mechanism. 1,749,624; Mar. 4.
- Battegay, Martin, Mulhouse, Haut-Rhin, France, assignor, by mesne assignments, to The Calco Chemical Company, Inc. Manufacture of nitric acid. 1,756,532; Apr. 29.
- Battegay, Martin, Mulhouse, Haut Rhin, France, assignor, by mesne assignments, to The Calco Chemical Company Inc. Manufacture of nitric acid. 1,772,302; Aug. 5.
- Batten, Edward and J. D., London, England, assignors to American Medallion Inlaid Linoleum Company (Batten's New Patents) Inc. Manufacture of inlaid floor cloths. 1,766,322; June 24.
- Batten, Gideon C., Cincinnati, Ohio. Molding-machine clamping apparatus. 1,742,681; Jan. 7.
- Batten, James D. (See Batten, Edward and J. D.)
- Batter, Frank, Linnton, Ore. Heat-exchange apparatus. 1,781,913; Nov. 18.
- Battermann, Ludwig, Rocky Point, N. Y., assignor to Radio Corporation of America. Deflector. 1,766,241; June 24.
- Battery Containers, Inc. (See Lindenberg, John A., assignor.)
- Batley & Kipp, Incorporated. (See Kipp, Alfred R., assignor.)
- Batley, Sumter B., New York, N. Y. Pocket lighter and the like. 1,757,231; May 6.
- Batley, William A., Haverford and C. A. Jamison, Philadelphia, Pa., assignors to Pennsylvania Crusher Company, New York, N. Y. Crusher. 1,743,996; Jan. 14.
- Batley, William A., Haverford, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Hammer crusher. 1,772,533; Aug. 12.
- Battista, Donald A., Washington, D. C. Ice-cream cake and making same. 1,786,387; Dec. 23.
- Battle, Richard. (See Bergquist, C. H., and Battle.)
- Battle Creek Bread Wrapping Machine Company. (See Littlefield, Carl, assignor.)
- Battocletti, Bortolamejo D., Gile, Wis. Combined chimney sweeper and window cleaner. 1,776,277; Sept. 23.
- Batts, Carl T., Grand Rapids, Mich. Pants hanger. 1,756,533; Apr. 29.
- Batty, Alfred. (See Boyd, Charles R., assignor.)
- Batty, Joseph F., Baltimore, Md. Ring packing. 1,779,837; Oct. 28.
- Batz, George C., Topeka, Kans. Sound-insulated coach truck. 1,779,157; Oct. 21.
- Bauch, Kurt. (See Helma, P., and Bauch.)
- Bauch, Richard, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y. Electrical protective system. 1,765,395; June 24.
- Bauchère, Antoine, and G. Arnou, Paris, France. Kiln for the manufacture of fused cement. 1,758,778; May 13.
- Baucom, Clovis A., Miami, Tex. Rotary valve. 1,775,482; Sept. 9.
- Bauder, Emil, assignor to J. R. Geigy S. A., Basle, Switzerland. Manufacture of stable, dry, easily soluble leuco preparations of vat dyestuffs. 1,771,763; July 29.

- Baudonnel, Victor, Tendon, and J. Berthier, Clos Montriant, Chamalieres, France. Apparatus for twisting textile fibers. 1,776,059; Sept. 16.
- Baudisch, Karl, Berlin-Wilmersdorf, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Testing and starting high-tension lines. 1,758,996; May 20.
- Baudisch, Karl, Berlin-Wilmersdorf, and G. Scharowsky, Berlin, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Feeding alternating-current networks by asynchronous generators. 1,746,333; Feb. 11.
- Bauer, Adam, Munich, Germany. Fastening for garments. 1,776,614; Sept. 23.
- Bauer, Alfred, Weimar, Calif. Device for testing light-sensitive materials. 1,765,198; June 17.
- Bauer, August, assignor of one-half to E. J. Schmitt, New York, N. Y. Aeroplane. 1,768,877; July 1.
- Bauer, August, assignor of one-half to Edward J. Schmitt, New York, N. Y. Aeroplane. 1,768,878; July 1.
- Bauer Brothers Company, The. (See Brennan, Edward M., assignor.)
- Bauer Brothers Company, The. (See Hussey, Erwin H., assignor.)
- Bauer Brothers Company, The. (See Kellogg, Charles G., assignor.)
- Bauer Brothers Company, The. (See Markley, J., and Brennan, assignors.)
- Bauer, Bruno, Vienna, Austria. Reinforced concrete column. 1,744,065; Jan. 21.
- Bauer, Bruno, Vienna, Austria. Reinforced-concrete bridge. 1,764,494; June 17.
- Bauer, Bruno, Vienna, Austria. Cast-iron core for the production of columns of braced reinforced concrete. 1,772,769; Aug. 12.
- Bauer, Bruno, Vienna, Austria. Construction of the expansion joint of reinforced concrete structures. 1,786,284; Dec. 23.
- Bauer, Carl F., Rock Island, assignor to Deere & Company, Moline, Ill. Rotary hoe. 1,749,206; Mar. 4.
- Bauer, Charles, assignor to Vet Products Laboratory Inc., Westbury, N. Y. Producing liquid food and the products thereof. 1,766,590; June 24.
- Bauer, Charles A., and C. B. Gustafson, assignors to Indian Motorcycle Company, Springfield, Mass. Air-cooled cylinder. 1,763,082; June 10.
- Bauer, Conrad, Mount Oliver, Pa. Venetian blind. 1,782,954; Nov. 25.
- Bauer, Emil. (See Steinhardt, M., and Bauer.)
- Bauer, Emory L., Fort Wayne, Ind. Clamping device. 1,762,323; June 10.
- Bauer, Eugene C. (See McKee, W. S., and Bauer.)
- Bauer, Eugene C., assignor to Kensington Steel Company, Chicago, Ill. Dipper tooth. 1,776,676; Sept. 23.
- Bauer, Frank, Williamsville, N. Y. Airplane. 1,759,032; May 20.
- Bauer, Frederick C., jr., Camden, N. J. Excavation multiple-section casing or cistern. 1,775,060; Sept. 2.
- Bauer, Gustav, and C. Schmieske, Hamburg, Germany. Regulating device for liquid couplings. 1,780,618; Nov. 4.
- Bauer, Gustav, R. Wälde, Hamburg, and H. Kluge, Hamburg-Gr. Borstel, Germany. Arrangement for filling and maintaining filled hydraulic clutches or gears. 1,757,827; May 6.
- Bauer, Harry E. (See Costuma, J. A., Bauer, and Lovercheck.)
- Bauer, Jacob P., Jeannette, Pa. Combination toy. 1,765,645; June 24.
- Bauer, Jacob P., Jeannette, Pa. Combination toy. 1,765,646; June 24.
- Bauer, John G. (See Roeling, H. W., Austin, and Bauer.)
- Bauer, John W., Naperville, Ill. Plant-supporting clip. 1,766,094; June 24.
- Bauer, Martin, Lakewood, Cleveland, Ohio. Ladder. 1,784,413; Dec. 9.
- Bauer, Max F., Geneva, Switzerland, assignor to Isothermos Corporation of America, New York, N. Y. Automatically lubricating journal box. 1,786,104; Dec. 23.
- Bauer, Sigmund, deceased, by R. Lowy, administratrix, Oberwirth, Burgenland, Austria, assignor to J. Lowy, New York, N. Y. Roofing construction. 1,758,633; May 13.
- Bauer, Wilhelm, Wiesdorf-on-the-Rhine, W. Neelmeier, and T. Nocken, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New indigoid dyestuffs. 1,782,706; Nov. 25.
- Bauer, William J., New York, N. Y. Collapsible table. 1,783,586; Dec. 2.
- Bauer, William J., assignor to Project Holding Corporation, New York, N. Y. Collapsible chair. 1,756,421; Apr. 29.
- Bauer, William J., assignor to Project Holding Corporation, New York, N. Y. Collapsible chair. 1,786,473; Dec. 30.
- Bauerband, William E., Elizabeth, N. J. Lock. 1,768,021; June 24.
- Bauermeister, Fred E., Columbus, Ohio. Steering-shaft lock. 1,786,186; Dec. 23.
- Bauersachs, Charlie, Crawford, Nebr. Polishing compound. 1,774,221; Aug. 26.
- Bauersfeld, Walther, Jena, assignor, by mesne assignments, to Zeiss Ikon A.-G., Goerzwerk, Berlin, Germany. Bell-shaped illuminating device. 1,770,726; July 15.
- Bauersfeld, Walther, Jena, assignor, by mesne assignments, to Zeiss Ikon A.-G., Goerzwerk, Berlin, Germany. Reflector for illuminating streets and the like. 1,772,745; Aug. 12.
- Baughman, Charles A., Fort Worth, Tex. Automatic antifreeze system. 1,773,338; Aug. 19.
- Baughman, Edson C., Kansas City, Mo. Combination foot warmer and stool. Des. 81,955; Sept. 9.
- Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,770,386; July 15.
- Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Amplifier for coded train-control apparatus. 1,772,796; Aug. 12.
- Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,780,737; Nov. 4.
- Baughman, George W., Wilkesburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 1,778,929; Oct. 21.
- Baughman, George W., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Trackway apparatus for automatic train control systems. 1,786,818; Dec. 30.
- Baum, David, Livermore Falls, Me. Glove-turning mechanism for glove-turning machines. 1,744,859; Jan. 28.
- Baum, David, Livermore Falls, Me. Glove-turning machine. 1,766,502; June 24.
- Baum, David, Livermore Falls, Me. Glove-turning machine. 1,771,521; July 29.
- Baum, Erich. (See Herrmann, W. O., and Baum.)
- Baum, Ewald G., Natick, Mass., assignor, by mesne assignments, to American Seal-Kap Corporation, Long Island City, N. Y. Bottle-capping mechanism. 1,747,343; Feb. 18.
- Baum, Frank G., San Francisco, Calif. Dynamo-cooling system. 1,779,797; Oct. 28.
- Baum, Frank G., San Francisco, Calif., assignor to Westinghouse Electric and Manufacturing Company. High-voltage insulator. 1,768,948; July 1.
- Baum, Fred T., Marion, Ind. Toy target. 1,749,689; Mar. 4.
- Baum, Fred T., Marion, and C. G. Norris, Sweetser, Ind. Toy pistol. 1,759,084; May 20.
- Baum, Gustav, Weissenstein-on-the-Drau, assignor to Chemische Fabrik Weissenstein G. m. b. H., Carinthia, Austria. Stabilized peroxide solution. 1,758,920; May 20.
- Baum, Gustav, Weissenstein-on-the-Drau, Austria, assignor to The Niagara Electric Chemical Company, Inc., New York, N. Y. Bleaching. 1,759,341; May 20.
- Baum, Isaac A., Chicago, Ill. Framing for wall openings. 1,774,249; Aug. 26.
- Baum, Isaac A., Chicago, Ill. Framed wall opening. 1,774,250; Aug. 26.
- Baum, Isaac A., Chicago, Ill. Combined buck and jamb. 1,744,730; Jan. 28.
- Baum, Isaac A., Chicago, Ill. Frame and plaster anchor. 1,744,732; Jan. 28.
- Baum, Isaac A., Chicago, Ill. Door frame for outside walls. 1,747,415; Feb. 18.
- Baum, Isaac A., Chicago, Ill. Molding strip. 1,754,254; Apr. 15.
- Baum, Isaac A., Chicago, Ill. Metal frame for all-plaster walls. 1,761,288; June 3.
- Baum, Isaac A., Chicago, Ill. Metal buck construction. 1,765,711; June 24.
- Baum, Isaac A., Chicago, Ill. Door casing. 1,765,712; June 24.
- Baum, Isaac A., Chicago, Ill. Framing and trim for all-plaster walls. 1,772,657; Aug. 12.
- Baum, Isaac A., Chicago, Ill. Molding for metal frames. 1,781,773; Nov. 18.
- Baum, Isaac A., Chicago, Ill. Baseboard construction. 1,783,180; Dec. 2.
- Baum, Isaac A., Chicago, Ill. Doorframe. 1,785,174; Dec. 16.
- Baum, Leo, deceased, Brooklyn, N. Y.; A. R. Bond, executor. Locket. 1,752,719; Apr. 1.
- Baum, Leopold A., Newark, N. J. Rumble-seat top. 1,742,629; Jan. 7.
- Baum, Leopold A., Newark, N. J. Rumble-seat top. 1,759,932; May 27.
- Baum, Seymour L., New Rochelle, N. Y., assignor to General Electric Company. Protective system. 1,785,718; Dec. 16.
- Bauman, Frank, assignor to Wayne Manufacturing Company, Honesdale, Pa. Thread cleaner. 1,758,424; May 13.
- Bauman, Frank, assignor to Wayne Manufacturing Company, Honesdale, Pa. Flyer twisting frame. 1,772,303; Aug. 5.
- Bauman, Harry A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Bathing cap. Des. 80,930; Apr. 8.
- Baumann, Adolf. (See Klingelfuss, E., and Baumann.)
- Baumann, Adolph, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rotary pump. 1,765,360; June 24.
- Baumann, Adolf, Baden, and A. Meyer, Kusnacht, near Zurich, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Compressor apparatus. 1,753,280; Apr. 3.
- Baumann, Arnold W., Chicago, Ill. Vacuum pan. 1,756,673; Apr. 29.

- Baumann, George, Brooklyn, N. Y. Lady's hand bag. 1,785,609; Dec. 16.
- Baumann, Gustav A., Los Angeles, Calif. Portable screen house. 1,743,308; Jan. 14.
- Baumann, Helene H., Highland Park, Calif. Nursing-bottle holder. 1,753,875; Apr. 8.
- Baumann, Karl, Urmston, England, assignor to Westinghouse Electric and Manufacturing Company. Labyrinth-gland packing. 1,778,014; Oct. 14.
- Baumann, Karl, Urmston, England, assignor to Westinghouse Electric & Manufacturing Company. Elastic-fluid turbine. 1,779,417; Oct. 28.
- Baumann, Walter D., Chicago, assignor to Nilles Stamp- ing Company, Evanston, Ill. Wire baking pan. 1,772,699; Aug. 12.
- Baumbach, Albert G., Anaheim, Calif. Fishing tool. 1,749,869; Mar. 11.
- Baumberger, William J. (See Yerk, H. H., and Baum- berger.)
- Baumberger, William J., Davenport, assignor to Micro Ma- chine Company, Bettendorf, Iowa. Grinding machine. 1,756,908; Apr. 29.
- Baumé, Edwall J., Santa Monica, Calif. Latch-bolt struc- ture. 1,762,499; June 10.
- Baumer, Harry W., Chicago, Ill. Protective device for electric circuits. 1,782,089; Nov. 18.
- Baumgardner, Hurlbut L., Chicago, Ill. Coating for sur- facing permanent molds. 1,764,544; June 17.
- Baumgarten, Albert B., Astoria, N. Y. Porcelain-veneer dental crown. 1,772,027; Aug. 5.
- Baumgarten, Arthur W., Joliet Township, Will County, and L. A. Bischman, assignors to J. R. Blackhall, Joliet, Ill. Trolley collector. 1,747,924; Feb. 18.
- Baumgarten, Hugo C., assignor to Newcomb-David Com- pany, Inc., Detroit, Mich. Automatic damper. 1,767,869; June 24.
- Baumgarten, Paul, Berlin-Wilmersdorf, assignor to A. Riese, Berlin, Germany. Clock. 1,768,100; June 24.
- Baumgartner, August, Hollis, assignor to R. Hoe & Co., Inc., New York, N. Y. Web-cutting mechanism. 1,782,674; Nov. 25.
- Baumgartner, Emil, Nanuet, N. Y. Utilizing the waste space in hotheuses. 1,753,980; Apr. 8.
- Baumgartner, Fred, Muskegon, Mich. Pressure-control valve. 1,785,759; Dec. 23.
- Baumgartner, Frédéric, Geneva, assignor to Fabrique des Montres Zenith, successeurs de Fabriques des Montres Zenith, Georges, Favre-Jacot, Le Locle, Switzerland. Watchcase. 1,784,169; Dec. 9.
- Baumgartner, Henry H., Belleville, N. J., assignor to Drake Non-Clinkering Furnace Block Company, Inc., New York, N. Y. Steam generator. 1,780,220; Nov. 4.
- Baumgartner, Otto, Durrenast, near Thun, Switzerland, as- signor to A. Haefeli, Munich, Germany. Carburetor. 1,759,294; May 20.
- Baumgartner, Philip T., assignor to John A. Dunn Co., Gardner, Mass. Baby-basket carrier. 1,744,718; Jan. 28.
- Baump, Armond, M., et al. (See Galbraith, Warren L., assignor.)
- Baumwell, Charles H., Colorado Springs, Colo. Hat-flang- ing machine. 1,747,615; Feb. 18.
- Baunach, August, Grand Ronde, Oreg. Battery terminal. 1,746,514; Feb. 11.
- Baur, Walter, Sioux Falls, S. Dak., assignor of one-fiftieth to R. F. Smith, Pasadena, Calif. Adjustable pedestal bed. 1,744,944; Jan. 28.
- Bausback, Albert, Patchogue, N. Y. Cleaning implement. 1,775,221; Sept. 9.
- Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
- Bausch & Lomb Optical Company. (See Day, George H., assignor.)
- Bausch & Lomb Optical Company. (See Foster, Leon V., assignor.)
- Bausch & Lomb Optical Company. (See Gallasch, George B., assignor.)
- Bausch & Lomb Optical Company. (See Kellner, G. A. H., and Rayton, assignors.)
- Bausch & Lomb Optical Company. (See Kurtz, Henry F., assignor.)
- Bausch & Lomb Optical Company. (See Loeser, Edward O., assignor.)
- Bausch & Lomb Optical Company. (See Olsen, William R., assignor.)
- Bausch & Lomb Optical Company. (See Patterson, W. L., and Gallasch, assignors.)
- Bausch and Lomb Optical Company. (See Rayton, Wil- bur B., assignor.)
- Bausch & Lomb Optical Co. (See Rayton, W. B., and Kurtz, assignors.)
- Bausch & Lomb Optical Co. (See Scott, Murray R., as- signor.)
- Bausch & Lomb Optical Company. (See Smith, George M., assignor.)
- Bausch & Lomb Optical Company. (See Stark, Sander, as- signor.)
- Bausch & Lomb Optical Company. (See Trautmann, Otto E., assignor.)
- Bausch & Lomb Optical Company. (See Williamson, Mil- ton C., assignor.)
- Bausch, William C., Chicago, Ill. Vehicle for acetyl- salicylic acid tablets. 1,746,984; Feb. 11.
- Baush Machine Tool Company. (See Haskell, George D., assignor.)
- Baush Machine Tool Company. (See Oakley, John, as- signor.)
- Bausman, Alonzo L., Springfield, Mass. Feeding apparatus for confectionery machines. 1,754,846; Apr. 15.
- Bausman, Alonzo L., Springfield, Mass. Confection-mak- ing machine. 1,761,065; June 3.
- Bausman, Alonzo L., assignor to National Equipment Com- pany, Springfield, Mass. Delivery apparatus for con- fectionery machines. 1,761,064; June 3.
- Bausman, Alonzo L., assignor to National Equipment Com- pany, Springfield, Mass. Feeding apparatus for confec- tionery machines. 1,763,083; June 10.
- Bausman, Alonzo L., assignor to National Equipment Com- pany, Springfield, Mass. Feeding apparatus for confec- tionery machines. 1,763,084; June 10.
- Bausman, Alonzo L., assignor to National Equipment Com- pany, Springfield, Mass. Apparatus for forming con- fection shells. 1,763,085; June 10.
- Bausman, Alonzo L., assignor to National Equipment Com- pany, Springfield, Mass. Apparatus for tempering choc- olate and the like. 1,763,086; June 10.
- Bausman, George H., Baltimore, Md. Piston-rod pack- ing. 1,779,225; Oct. 21.
- Baut, Harry H., Los Angeles, Calif. Adjustable ball bear- ings. 1,775,803; Sept. 16.
- Bauwens, Seraphine F., Chicago, Ill., assignor to Wire- bounds Patents Company. Machine for use in making boxes. 1,773,510; Aug. 19.
- Bauwens, Seraphine F., Chicago, Ill., assignor to Wire- bounds Patents Company. Machine for use in making boxes. 1,773,511; Aug. 19.
- Bauwens, Seraphine F., Chicago, Ill., assignor to Wire- bounds Patents Company. Staple-making machine and method. 1,773,512; Aug. 19.
- Baxenden, Thomas G., Watford, and J. R. Collyear, Bushey, England. Metal spool and the like. 1,748,859; Feb. 25.
- Baxter, Arthur R., Los Angeles, Calif. Playground de- vice. 1,769,199; July 1.
- Baxter, Harold G., Baldwin, N. Y., assignor to Westing- house Electric & Manufacturing Company. Panel board. 1,768,879; July 1.
- Baxter, Henry, Schenectady, N. Y. Whistle-operating mechanism. 1,779,838; Oct. 28.
- Baxter, John B., Troy, assignor to Covert Manufacturing Company, Watervliet, N. Y. Link. 1,749,096; Mar. 4.
- Baxter, Leon H., Hudson, Ohio. Toy ship. Des. 82,073; Sept. 23.
- Baxter, Leon H., Hudson, Ohio. Toy ship. Des. 82,074; Sept. 23.
- Baxter, Leon H., Hudson, Ohio. Toy ship. Des. 82,075; Sept. 23.
- Baxter, Leon H., Hudson, Ohio. Toy ship. Des. 82,411; Nov. 4.
- Baxter, Roy N., Portland, and B. C. Rue, Tigard, Oreg. Silencing cover for machines. 1,749,177; Mar. 4.
- Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manu- facturing boots and shoes. 1,747,282; Feb. 18.
- Baxter, William C., assignor to Trimble Nurseryland Fur- niture, Inc., Rochester, N. Y. Furniture joint. 1,776,769; Sept. 30.
- Baxter, William M., assignor to Eskimo Pie Corporation, Louisville, Ky. Vending machine. 1,765,963; June 24.
- Bay, Frank N. (See Watts, C. T., and Bay.)
- Bayard, Morris L., and M. Harvey, Philadelphia, Pa. Filter-sand-washing machine. 1,767,729; June 24.
- Bayard, Morris L., and M. Harvey, Philadelphia, Pa. Filter-sand washing machine. 1,784,798; Dec. 9.
- Bay City Shovels, Inc. (See Kerr, John M., assignor.)
- Bay Company, The. (See Valentine, Octave L., assignor.)
- Bayer, Erik C., Copenhagen, Denmark. Porous organic material and producing the same. 1,777,247; Sept. 30.
- Bayer, Julius L., assignor to The Warner & Swasey Com- pany, Cleveland, Ohio. Cross-slide carriage for machine tools. 1,779,527; Oct. 28.
- Bayer, Julius L., Cleveland, and J. J. N. Van Hamersveld, Cleveland Heights, assignors to The Warner & Swasey Company, Cleveland, Ohio. Taper turning or boring mechanism for machine tools. 1,763,745; June 17.
- Bayer, Konrad, Nuremberg, Germany. Brush body of metal. 1,742,192; Jan. 7.
- Bayer, Matthew F., assignor to Simmons Company, Kenos- sha, Wis. Mattress and like structure. 1,755,805; Apr. 22.
- Bayer, Matthew F., assignor to Simmons Company, Kenos- sha, Wis. Hospital bedstead. 1,775,547; Sept. 9.
- Bayer, Otto. (See von Braun, J., and Bayer.)
- Bayerl, Alfons. (See Becker, F., Heimann, and Bayerl.)
- Bayerische Eggenfabrik Akt.-Ges. (See Jensen, Jens, as- signor.)
- Bayerische Elektrizitäts-Werke. (See Fassnache, Emil, assignor.)
- Bayerische Spiegelglas-Fabriken Bechmann-Kupfer A.-G. (See Offenbacher, Luitpold, assignor.)
- Bayfield Sales and Equipment Co. (See Ross, John G., assignor.)
- Bayles, Albert J., Maywood, assignor to Solar-Sturges Mfg. Co., Bellwood, Ill. Receptacle and making same. 1,744,945; Jan. 28.
- Bayles, John H. G., Nottingham, England. Circular- knitting machine. 1,782,161; Nov. 18.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-feed-controlling device. 1,743,090; Jan. 14.

- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Blowing device for rock drills. 1,758,492; May 13.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Bit punch. 1,758,493; May 13.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for pneumatic displacement pumps. 1,758,921; May 20.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oiling device. 1,763,683; June 17.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Shank and bit punch. 1,770,746; July 15.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Shank and bit punch. 1,770,873; July 15.
- Bayley, William, Springfield, Ohio. Road-building apparatus. 1,782,707; Nov. 25.
- Bayley, William D., Springfield, Ohio. Silo. 1,782,675; Nov. 25.
- Bayliff, Frank, Butte, Mont., and G. M. Nell, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Shell mount for rock drills. 1,751,302; Mar. 18.
- Baylis, Robert N., Caldwell, assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J. Smoker's stand. Des. 80,302; Jan. 14.
- Baylis, Robert N., Caldwell, assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J. Ash tray. Des. 82,128; Sept. 30.
- Baylis, Walter S., Los Angeles, Calif., assignor to Filtrol Company of California. Apparatus for salvaging used cleaners' gasoline. 1,751,613; Mar. 25.
- Baylis, Walter S., assignor, by mesne assignments, to Filtrol Company of California, Los Angeles, Calif. Purifying gasoline. 1,766,211; June 24.
- Baylis, Walter S., assignor, by mesne assignments, to Filtrol Company of California, Los Angeles, Calif. Prepared activated adsorptive clay. 1,776,990; Sept. 30.
- Baylis, Walter S., assignor to Filtrol Company of California, Los Angeles, Calif. Making a decolorizing clay. 1,781,265; Nov. 11.
- Baylis, Walter S., assignor to Filtrol Company of California, Los Angeles, Calif. Filtering and decolorizing paper of acid character. 1,784,509; Dec. 9.
- Bayliss, Gilbert T. (See Pugh, J. V., and Bayliss.)
- Baynard, William H., assignor to H. H. Beckwith, Brookline, Mass. Shoe-stiffener-assembling press. 1,746,412; Feb. 11.
- Baynard, William H., Boston, assignor to H. H. Beckwith, Brookline, Mass. Semisoft box toe for shoes. 1,774,412; Aug. 26.
- Baynes, Edward C., Birmingham, Mich. Pressure indicator for nuts or bolts. 1,774,695; Sept. 2.
- Bayrer, Louis G., Buffalo, assignor to J. H. Williams Company, Brooklyn, N. Y. Wrench. 1,778,748; Oct. 21.
- Bay State Fishing Company. (See Gallison, Ernest A., assignor.)
- Bay State Optical Company. (See Nerney, G. E., and Siddall, assignors.)
- Bayuk Cigars Incorporated. (See Wurman, Harry P., assignor.)
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-cover-trimming machine. 1,752,774; Apr. 1.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying foxing to shoes. 1,753,497; Apr. 8.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-cover-trimming machine. 1,759,150; May 20.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Burnishing machine. 1,782,802; Nov. 25.
- Beach & Arthur, Inc. (See Beach, Richard W., assignor.)
- Beach, Clarence E. (See Cross, A. H., and Beach.)
- Beach, Edward J., Brooklyn, N. Y. Oil separator. 1,773,073; Aug. 12.
- Beach, George F., assignor, by mesne assignments, to Ryan, Scully & Company, Philadelphia, Pa. Valve apparatus. 1,763,385; June 10.
- Beach, George F., assignor, by mesne assignments, to Ryan, Scully & Company, Philadelphia, Pa. Furnace conveyer. 1,763,386; June 10.
- Beach, George F., assignor, by mesne assignments, to Ryan, Scully & Company, Philadelphia, Pa. Oil burner. 1,763,387; June 10.
- Beach, George F., Philadelphia, Pa., assignor, by mesne assignments, to Ryan, Scully & Company, Philadelphia, Pa. Furnace conveyer. 1,782,335; Nov. 18.
- Beach, H. D., Company, The. (See Gibson, Francis W., assignor.)
- Beach, Hamilton, Manufacturing Company. (See Bang, E. Q., and Ernst, assignors.)
- Beach, Hamilton, Mfg. Co. (See Mross, E. R., and Nielsen, assignors.)
- Beach, Howard W., Caldwell, N. J. Portable air-compressing unit. 1,756,806; Apr. 29.
- Beach, Leon D. (See Saurman, A. B., Webb, and Beach.)
- Beach, Ralph H., Belleville, N. J. Carburetor. 1,783,273; Dec. 2.
- Beach, Ray G., assignor to H. Lavery, Bridgeport, Conn. Gummed-tape-dispensing machine. 1,748,940; Mar. 4.
- Beach, Ray G., Fairfield, assignor to H. Lavery, Bridgeport, Conn. Gummed-tape-dispensing machine. 1,749,407; Mar. 4.
- Beach, Richard W., assignor to Beach & Arthur, Inc., Indianapolis, Ind. Plate. Des. 80,303; Jan. 14.
- Beach, Richard W., assignor to Beach & Arthur, Inc., Indianapolis, Ind. Paper napkin or the like. Des. 82,722; Dec. 9.
- Beach, Richard W., Indianapolis, Ind., assignor to Beach & Arthur, Inc., Chicago, Ill. Display package for paper napkins or the like. 1,760,106; May 27.
- Beach, Will W., Los Angeles, Calif. Sun's rays magnifying lens. 1,764,925; June 17.
- Beach, Willard C., Newark, N. J. Spray nozzle. 1,780,738; Nov. 4.
- Beacham, Thomas E. (See Hele-Shaw, H. S., and Beacham.)
- Beacon Accessories Corporation. (See Lyle, Frederick W., assignor.)
- Bead Chain Manufacturing Company, The. (See Gagnon, William J., assignor.)
- Bead Chain Manufacturing Company, The. (See Gagnon, William J. and B. E. and Kosha, assignors.)
- Beadle, Harold I., Larchmont, N. Y., assignor to The Cellacote Company, Incorporated. Preservative material and making and applying the same. 1,774,866; Sept. 2.
- Beal, Arthur G. (See Bristol, B. H., and Beal.)
- Beal, Carl H., San Mateo, and C. E. Miller, Los Angeles, Calif., assignors to Western Company. Goniometer. 1,769,100; July 1.
- Beal, Fay, and I. L. Hollowell, Kokomo, Ind., assignors, by mesne assignments, to Kingston Products Corporation. Automobile heater. 1,779,406; Oct. 28.
- Beal, George D., and R. R. McGregor, Pittsburgh, Pa. Manufacture of felt. 1,765,046; June 17.
- Beale, David, North Chattanooga, Tenn. System of house construction. 1,761,289; June 3.
- Beale, Rembrandt, et al., trustees. (See Davis, Kenneth, assignor.)
- Beall, Charles R., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,754,592; Apr. 15.
- Beall, Lee M., Tulsa, Okla. Furnace wall. 1,768,732; July 1.
- Beall, Lee M., Tulsa, Okla. Furnace wall. 1,773,339; Aug. 19.
- Beall, Louis H., Louisville, Ky. License and registry lock. 1,763,087; June 10.
- Beall, Ollie M., Des Moines, Iowa. Sound producing toy. 1,766,095; June 24.
- Beall, William L., Chattanooga, Tenn., assignor to International Harvester Company. Driving attachment for cane mills. 1,744,435; Jan. 21.
- Beall, William L., Chattanooga, Tenn., assignor to International Harvester Company. Fertilizer distributor. 1,786,886; Dec. 30.
- Beals, Charles M., Dallas, Tex. Concrete-brick-molding device. 1,771,030; July 22.
- Beam, Charles C., assignor to The Potomac Glass Company, Cumberland, Md. Goblet or similar article. Des. 81,471; July 1.
- Beam, Charles C., assignor to United States Glass Company, Pittsburgh, Pa. Pedestal for a goblet or similar article. Des. 82,655; Dec. 2.
- Beam, Charles C., assignor to United States Glass Company, Pittsburgh, Pa. Bowl or similar article. Des. 82,723; Dec. 9.
- Beam, Vilynn O., assignor to The Surface Combustion Co., Incorporated, Toledo, Ohio. Thermostat switch. 1,777,272; Sept. 30.
- Beaman, Arthur W., Worcester, Mass. Knife-grinder bearing. 1,767,272; June 24.
- Beaman, Lora E., assignor to Shaw-Crane-Putnam Machine Company, Inc., Fitchburg, Mass. Milling-machine unit head. 1,775,084; Sept. 9.
- Beamer, Joseph W., Chicago, Ill. Muffler. 1,772,589; Aug. 12.
- Beames, Herbert C., Newcastle, New South Wales, Australia. Extinguishing fires on motor vehicles. 1,744,733; Jan. 28.
- Bean, Edward J., Poplar, London, England. Bollard. 1,770,967; July 22.
- Bean, Frank D. (See Glidden, A. A., and Bean.)
- Bean, Lafayette, assignor to Virginia Shoe Company, Inc., Fredericksburg, Va. Shoe. 1,764,821; June 17.
- Bean, Louis A., Denver, Colo. Light reflector. 1,747,283; Feb. 18.
- Bean, Roscoe D., and F. W. Side, assignors to The Brown Instrument Company, Philadelphia, Pa. Furnace control. 1,743,843; Jan. 14.
- Bean Spray Pump Co. (See Rimple, E. J., and Vargas, assignors.)
- Bean, William G., and U. M. Cool, Burbank, Calif. Cutter head. 1,754,930; Apr. 15.
- Bean, William L., West Haven, Conn. Locomotive smoke-box-spark netting. 1,759,151; May 20.
- Beane, Walter H. (See Dodge, H. C., and Beane.)
- Bear Tractor Corporation of America. (See Leake, Thomas C., assignor.)
- Beard, Bert, assignor to G. M. Holley, Detroit, Mich. Carburetor. 1,742,376; Jan. 7.

- Beard, James R., London, assignor to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Electric protective arrangement for A. C. power circuits. 1,779,724; Oct. 28.
- Beard, Lawrence O., Lancaster, Pa. Tool for refacing valves. 1,744,734; Jan. 28.
- Beard, Leslie C., jr. (See Rafter, J. B., and Beard.)
- Beardmore, William. (See Chorlton, Alan E. L., assignor.)
- Beards, Jess, and L. L. Tetelman, New York, N. Y. Shade and awning roller bracket. 1,784,478; Dec. 9.
- Beardslee Chandelier Manufacturing Company. (See Ohm, Albert J. D., assignor.)
- Beardslee Chandelier Manufacturing Co. (See Williamson, Richard, assignor.)
- Beardslee, Francis C., Los Angeles, Calif., assignor to B. M. Huffine, J. I. Huffine, and himself, as joint trustees. Apparatus for treatment of foodstuffs. 1,759,680; May 20.
- Beardsley, Arthur L., Elkhart, Ind. Tubular container. 1,782,526; Nov. 25.
- Beardsley, Charles E., assignor, by mesne assignments, to The Beardsley and Wolcott Manufacturing Company, Waterbury, Conn. Bathroom shelf bracket. 1,772,853; Aug. 12.
- Beardsley, Charles E., and E. P. Wallace, assignors to The Beardsley & Wolcott Manufacturing Company, Waterbury, Conn. Fruit-juice extractor. 1,757,609; May 6.
- Beardsley, Earl W., and R. W. Beardsley, assignors to The Ohio Grease Company, Loudonville, Ohio. Grease can. 1,761,650; June 3.
- Beardsley, Edwin W., Texas City, Tex., assignor to Petroleum Conversion Corporation, New York, N. Y. Cooling valves. 1,768,880; July 1.
- Beardsley, Edwin W., and M. W. Colony, Texas City, Tex., assignors to Petroleum Conversion Corporation, New York, N. Y. Cracking hydrocarbons. 1,784,126; Dec. 9.
- Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Sand-feeding mechanism for molding machines. 1,752,549; Apr. 1.
- Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Molding machine. 1,759,217; May 20.
- Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Machine for filling molds for founding. 1,774,076; Aug. 26.
- Beardsley, Harry I., Chatham, and H. R. Clarke, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Cord fastener. 1,752,585; Apr. 1.
- Beardsley, Howard D., Woodbury, Conn. Adjustable automobile seat. 1,775,082; Sept. 9.
- Beardsley & Piper Company, The. (See Beardsley, E. O., and Piper, assignors.)
- Beardsley & Piper Company, The. (See Furman, George, assignor.)
- Beardsley & Piper Company, The. (See Naylor, Walter E., assignor.)
- Beardsley, Ray W. (See Beardsley, Earl W., and R. W.)
- Beardsley, Robert, Chicago, Ill. Lamp shade. 1,753,981; Apr. 8.
- Beardsley, Robert O., assignor to Jones & Lamson Machine Company, Springfield, Vt. Apparatus for testing taper-threaded screws. 1,745,523; Feb. 4.
- Beardsley and Wolcott Manufacturing Company, The. (See Beardsley, Charles E., assignor.)
- Beardsley & Wolcott Manufacturing Company, The. (See Beardsley, C. E., and Wallace, assignors.)
- Beardsley & Wolcott Manufacturing Company, The. (See Walder, Emil, assignor.)
- Beardsley & Wolcott Mfg. Co., The. (See Wolcott, Frank E., assignor.)
- Beares, Claude, Brooklyn, N. Y. Power transmission. 1,780,858; Nov. 4.
- Beardland, Lawrence M., Missoula, Mont. Turn signal. 1,749,690; Mar. 4.
- Beardland, Lawrence M., Missoula, Mont. Shovel attachment for tractors. 1,777,907; Oct. 7.
- Beasley, Albeon, Evansville, assignor of one-half to W. S. Jaco, deceased, Vanderburg County, Ind.; R. Coffman, administrator. Seal for shaft bearings. 1,785,806; Dec. 23.
- Beasley, Charles F., Iowa Park, Tex. Loading apparatus. 1,770,640; July 15.
- Beasley, Harold H. (See Robinson, P. G., Foweraker, Beasley, and Sargent.)
- Beasley, Stanley E., Tulsa, Okla., assignor to Peerless Car & Equipment Co., Kansas City, Mo. Bolted dome cover. 1,749,122; Mar. 4.
- Beath, Charles P., La Grange, and B. J. Babbitt, Riverside, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Alloy of steel and treating the alloy. 1,743,309; Jan. 14.
- Beatty, Earle J. R., Edgewood, assignor to Universal Optical Corporation, Providence, R. I. Bridge for an eyeglass mounting. Des. 80,603; Mar. 4.
- Beatty, Earle J. R., Edgewood, R. I., assignor to Universal Optical Corporation, Providence, R. I. Bridge for an eyeglass mounting. Des. 81,429; June 24.
- Beatty, Earle J. R., Edgewood, assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,750,987; Mar. 18.
- Beatty, Earle J. R., Edgewood, assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,764,495; June 17.
- Beattie, Ernest J., Fall River, Mass. Cutting device and tool therefor. 1,781,564; Nov. 11.
- Beattie, Ernest J., assignor to C. B. Leech, Fall River, Mass. Cutting device. 1,771,764; July 29.
- Beattie Manufacturing Co., The. (See Beattie, Walter J., assignor.)
- Beattie, Walter J., assignor to The Beattie Manufacturing Co., Cohoes, N. Y. Cuff and making the same. 1,769,937; July 8.
- Beattie, William P., Norwood, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio. Electrically-operated pressing machine. 1,755,046; Apr. 15.
- Beatty, Floyd A., assignor to Lewis Foundry & Machine Company, Groveton, Pa. Material-handling apparatus. 1,778,621; Oct. 14.
- Beatty, James A. (See Underwood, C. E., and Beatty.)
- Beatty, John D., Los Angeles, Calif. Paper-screen-cleaning device. 1,743,953; Jan. 14.
- Beatty, Robert J., assignor to The Federal Glass Company, Columbus, Ohio. Method and apparatus for making articles of glassware. 1,781,565; Nov. 11.
- Beatty, Stanley, Highland, N. Y. Brake mechanism. 1,785,432; Dec. 16.
- Beatty, William G., Fergus, Ontario, Canada. Washing machine. 1,747,750; Feb. 18.
- Beatty, William T., Flossmoor, assignor to Austin Manufacturing Co., Chicago, Ill. Self-propelled motor grader with leaning front wheels. 1,776,409; Sept. 23.
- Beay, Glenn, et al. (See Pollock, Oscar, assignor.)
- Beay, James P., Silverdale, Kans. Building lath. 1,744,354; Jan. 21.
- Beau Ideal Food Co. (See Grande, Albert, assignor.)
- Beaucage, Joseph H. D., Pittsfield, Mass. Steam and hot-water heating apparatus. 1,768,971; July 1.
- Beauchamp, Dora F., Forest Hills, N. Y. Adjustable reflector. 1,763,550; June 10.
- Beauchamp, George D., et al. (See Dopyera, John, assignor.)
- Beauchamp, George D., Los Angeles, Calif. Pick for stringed musical instruments. 1,787,136; Dec. 30.
- Beauchamp, Wilfred A. (See Tobin, K. J., Beauchamp, and Vegren.)
- Beauchamp, Wilfred A., and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Door-locking mechanism for house cars. 1,745,885; Feb. 4.
- Beaudette, Victor, Old Orchard, Me. Amusement arena. 1,770,124; July 8.
- Beaudry, George P., Montreal, Quebec, Canada. Internal-combustion engine. 1,751,385; Mar. 18.
- Beaudry, Joseph, Somerset, Manitoba, Canada. Cultivator. 1,786,388; Dec. 23.
- Beaufour, Henri, Beauvais, France. Extraction of the albumino-caseins of vegetable origin and for the separation of such albumino-caseins from amylaceous matter. 1,755,531; Apr. 22.
- Beaujard, Louis, Paris, France. Control device for machine guns. 1,772,066; Aug. 5.
- Beaujean, Camille, Brussels, assignor to Societe Anonyme d'Ougree Marikaye, Ougree, Belgium. Sheet piling. 1,784,777; Dec. 9.
- Beaumont, R. H., Company. (See Beaumont, Robert H., assignor.)
- Beaumont, Robert H., Radnor, assignor to R. H. Beaumont Company, Philadelphia, Pa. Cable-control device. 1,749,060; Mar. 4.
- Beaumont, Robert H., Radnor, Pa., assignor to R. H. Beaumont Co., Philadelphia, Pa. Skip-bucket discharge mechanism. 1,781,211; Nov. 11.
- Beausejour, Reme A., Port Richmond, N. Y. Loud-speaker. 1,746,377; Feb. 11.
- Beauty, Wilbur L., Butte, Mont. Reel seat for fishing rods. 1,745,398; Feb. 4.
- Beaver, Charles J., Bowden, assignor to W. T. Glover and Company Limited, Manchester, England. Impregnating paper for insulation of electric cables and apparatus therefor. 1,752,972; Apr. 1.
- Beaver Cloak & Suit Manufacturing Company. (See Gregoire, William L., assignor.)
- Beaver Machine and Tool Co. (See Downing, John B., assignor.)
- Beaver Machine & Tool Co. (See Slade, Harold E., assignor.)
- Beaver Manufacturing Company. (See Slade, Harold E., assignor.)
- Beaver Saw Filing Machine Co. (See Klunk, Louis J., assignor.)
- Bebber, George P., Chicago, Ill. Closure fastener. 1,776,717; Sept. 23.
- Bebinger, Charles N., assignor to Northern Conveyor & Mfg Co., Janesville, Wis. Conveyor. 1,759,085; May 20.
- Bebry, Percival P., Hyde Park, Boston, Mass., assignor to Englander Spring Bed Company, New York, N. Y. Sliding couch. 1,783,530; Dec. 2.
- Bebry, Percival P., Hyde Park, Mass., assignor to Englander Spring Bed Company, New York, N. Y. Sliding spiral-spring bed. 1,783,531; Dec. 2.
- Becnouri, Wladimir, Petrograd, Russia. Signaling system. 1,769,365; July 1.
- Becerra, Hesiquio, Cheyenne, Wyo. Beet blocker. 1,755,861; Apr. 22.
- Bech, Charles O., New Rochelle, N. Y. Oil burner. 1,775,715; Sept. 16.

- Bechard, Joseph C., Fall River, Mass. Safety device for submarines or similar vessels. 1,747,886; Feb. 18.
- Bechard, Joseph C., Fall River, Mass. Safety device for aeroplanes or the like. 1,779,871; Oct. 28.
- Béché, Hans, Hückeswagen, Germany. Drop hammer. 1,752,141; Mar. 25.
- Becher, Hubert L. (See Harvey, H. C., and Becher.)
- Bechert, Fred J., Stamford, assignor to The Fafnir Bearing Company, New Britain, Conn. Spring-end connection. 1,757,699; May 6.
- Bechert, Fred J., Stamford, assignor to The Fafnir Bearing Company, New Britain, Conn. Spring-end connection. 1,757,700; May 6.
- Bechik, Michael, Memphis, Tenn. Mattress. 1,753,359; Apr. 8.
- Bechtol, Archie H., Daytona Beach, Fla., and W. A. Tratsch, Chicago, Ill. Pistol range. Des. 82,303; Oct. 21.
- Bechtold, Troy W., assignor to G. E. Maurer, L. Le Veque, and J. W. Gearhart, Freeport, Ill. Tire lug. 1,779,689; Oct. 28.
- Beck, A. S., Shoe Corporation. (See Hagopian, Vahan, assignor.)
- Beck, Adolf, and G. Siebel, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Improving the resistance to corrosion of articles of magnesium and magnesium alloys. 1,783,770; Dec. 2.
- Beck, Alwin H., assignor to Hickok Mfg. Co. Inc., Rochester, N. Y. Personal-wear belt with elastic connecting means. 1,779,798; Oct. 28.
- Beck, Andrew E., Sarasota, Fla. Edge-trimming attachment for lawn mowers. 1,763,339; June 10.
- Beck, Charles F., Park Ridge, Ill. Mail box. 1,764,674; June 17.
- Beck, Charles W., assignor to J. E. Goerlich, Toledo, Ohio. Muffler. 1,766,973; June 24.
- Beck, Emile. (See Geisslinger, Jean, assignor.)
- Beck, Heinrich, Bad Munster-on-the-Stein, Germany. Device for recording the condition of railway tracks. 1,778,287; Oct. 14.
- Beck, Henry W. (See Phillips, Thomas H., assignor.)
- Beck, Herman, and W. Hobndorf, San Francisco, Calif. Reel for electric extension cords. 1,770,454; July 15.
- Beck, Johnse H., assignor to Geo. F. Cram Company, Indianapolis, Ind. Map holder. 1,759,829; May 27.
- Beck, Louis W., Akron, Ohio. Spray-control appliance. 1,745,972; Feb. 4.
- Beck, Robert W., Lewiston, Idaho. Bicuspid and molar bridge teeth. 1,782,251; Nov. 18.
- Beck, Rudolph H. (See Price, W. F., and Beck.)
- Beck, Sigmund, Nuremberg, Germany. Shaving brush. 1,749,309; Mar. 4.
- Beck, Walter, Frankfurt-on-the-Main, Germany, assignor to Deutsche Gold & Silber Scheideanstalt, vormals Roesler, Frankfurt-on-the-Main, Germany. Smoke device. 1,759,033; May 20.
- Beck, Walter A., assignor to Leather Makers' Process Company, Detroit, Mich. Manufacturing leather. 1,751,464; Mar. 25.
- Beck, William M., assignor of one-half to W. L. Hibberd, Elwood, Ind. Electric train control. 1,758,308; May 13.
- Becker, A. N., Engineering Corporation. (See Becker, Alfonso N., assignor.)
- Becker, Albert E., Ogden, Utah. Apparatus for carbonating liquids. 1,749,625; Mar. 4.
- Becker, Albert W., Hartford, Conn. Glass-clearing device. 1,778,882; Oct. 21.
- Becker, Albert W., Hartford, Conn. Windshield-clearing device. 1,786,932; Dec. 30.
- Becker, Alfonso N., assignor to A. N. Becker Engineering Corporation, Milwaukee, Wis. Leveling device for carriers. 1,773,163; Aug. 19.
- Becker, Allen J., Upper Montclair, N. J. Pouring machine. 1,779,352; Oct. 21.
- Becker, Aloysius W., assignor to Econoheat Company, Chicago, Ill. Space heater. Des. 82,870; Dec. 23.
- Becker, Aloysius W., assignor to Econoheat Company, Chicago, Ill. Space heater. 1,782,229; Nov. 18.
- Becker, Arman E., Newark, and R. G. Sloane, Elizabeth, N. J., assignors to Standard Oil Development Company. Reclaiming residues. 1,785,242; Dec. 16.
- Becker, Arthur F., Fulton, Mo., assignor, by mesne assignments, to American Arch Company. Locomotive arch brick. 1,755,682; Apr. 22.
- Becker, Benjamin, St. Louis, Mo. Sanitary garment. 1,761,609; June 3.
- Becker, Bernard C., York, Pa., assignor to The Yoder Pencil Company, Cleveland, Ohio. Lead pencil. 1,745,658; Feb. 4.
- Becker, Bernard C., York, Pa., assignor to The Yoder Pencil Company, Cleveland, Ohio. Lead pencil. 1,777,871; Oct. 7.
- Becker, Bernard C., Canton, Ohio, assignor to The Hoover Company. Fan casing. 1,778,015; Oct. 14.
- Becker, Charles M., Brooklyn, N. Y. Lamp stand. Des. 81,430; June 24.
- Becker, Christian, Walker Township, Kent County, and F. Kleinheksel, Flint, Mich. Air-heating furnace. 1,752,938; Apr. 1.
- Becker, Edward P., Grand Tower, Ill. Reinforced veneer and preventing same from splitting. 1,744,203; Jan. 21.
- Becker, Edwin, Berlin-Hermsdorf, Germany. Manufacturing grinding and polishing disks. 1,755,158; Apr. 15.
- Becker, Ernst, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Internal-combustion engine. 1,753,196; Apr. 8.
- Becker, Eulabee D., New York, N. Y. Picture frame. Des. 80,595; Feb. 25.
- Becker, Francis C., assignor, by mesne assignments, to Hussmann-Ligonier Company, St. Louis, Mo. Show-case refrigerator. 1,755,384; Apr. 22.
- Becker, Franz, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Making cellulose esters of both nitric acid and an organic acid. 1,783,771; Dec. 2.
- Becker, Franz, H. Heimann, and A. Bayerl, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Esterifying cellulose. 1,730,151; Nov. 4.
- Becker, Fred F. (See Davis, C. W., and Becker.)
- Becker, Fritz H., Irvington, N. J. Ball-bearing center for machines. 1,768,734; July 1.
- Becker, Gabriel, Charlottenburg, Germany. Supercharging method for internal-combustion engines. 1,750,919; Mar. 18.
- Becker, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Manufacturing drying varnishes. 1,754,186; Apr. 8.
- Becker, Harold R., assignor to Becker Valve and Specialty Corporation, Newburgh, N. Y. Mixing valve. 1,787,304; Dec. 30.
- Becker, Harry, assignor of one-fourth each to J. Hamburger and C. K. Fox, Baltimore, Md. Parking light. 1,775,586; Sept. 9.
- Becker, Harry S., assignor to American Flyer Manufacturing Company, Chicago, Ill. Track switch control for toy railroads. 1,744,518; Jan. 21.
- Becker, Harry S., River Forest, assignor to American Flyer Mfg. Co., Chicago, Ill. Combined motor bearing and brush holder. 1,756,332; Apr. 29.
- Becker, Harry S., River Forest, assignor to American Flyer Mfg. Co., Chicago, Ill. Automatic safety cut-out for toy railways and the like. 1,781,969; Nov. 18.
- Becker, Harry S., River Forest, assignor to American Flyer Mfg. Co., Chicago, Ill. Track switch for toy electric railroads. 1,783,069; Nov. 25.
- Becker, Harry S., River Forest, assignor to American Flyer Mfg. Co., Chicago, Ill. Automatic signaling means for toy tracks. 1,784,778; Dec. 9.
- Becker, Hazen K. (See Jurgens, E. G., and Becker.)
- Becker, Heinrich, assignor to the firm Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Piston-cooling device for internal-combustion engines. 1,761,864; June 3.
- Becker, Heinrich, assignor to Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany. Double-acting two-stroke combustion engine with slot scavenging. 1,779,112; Oct. 21.
- Becker, Howard I., Schenectady, N. Y., assignor to General Electric Company. Assembly of cables. 1,760,538; May 27.
- Becker, Howard I., Schenectady, N. Y., assignor to General Electric Company. Electrical system. 1,774,958; Sept. 2.
- Becher, Hubert L. (See Harvey, H. C., and Becher.)
- Becker, John H., Pittsburgh, Pa. Tender-cistern-water indicator. 1,779,353; Oct. 21.
- Becker, John H., Richmond Hill, assignor to Warp Twisting-In Machine Company, Brooklyn, N. Y. Removing the harness and stopping instrumentalities from a loom. 1,784,127; Dec. 9.
- Becker, Joseph L., Stillwater, Minn. Stabilizer for road-grading machines. 1,773,254; Aug. 19.
- Becker, Joseph L., Stillwater, Minn. Snowplow attachment for tractors. 1,773,255; Aug. 19.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Ammonia-recovery process. 1,747,616; Feb. 18.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,755,381; Apr. 22.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,755,382; Apr. 22.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,755,383; Apr. 22.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Pitch-coking process and product. 1,756,234; Apr. 29.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,756,235; Apr. 29.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Gas producer. 1,757,232; May 6.
- Becker, Joseph, Pittsburgh, Pa., assignor to The Koppers Company. Removal of benzol and its homologues from fuel gases. 1,760,335; May 27.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,764,496; June 17.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,764,497; June 17.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Vertical retort with crossovers. 1,779,958; Oct. 28.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,784,414; Dec. 9.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coke retort with quenching device and method for same. 1,785,760; Dec. 23.

- Becker, Joseph, and J. Van Ackeren, Pittsburgh, Pa., assignors to The Koppers Company. Coking retort oven. 1,752,363; Apr. 1.
- Becker, Julius, Chicago, Ill., assignor to Vacuum Can Company. Rheostat. 1,769,732; July 1.
- Becker, Julius H., San Francisco, Calif. Pressure indicator. 1,782,803; Nov. 25.
- Becker, Julius, H. Just, and H. Hort, Essen, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Sighting device for guns. 1,758,273; May 13.
- Becker, Logan A., and J. M. Munson, Lakewood, assignors to The Dobeckmun Company, Cleveland, Ohio. Special container. 1,756,919; Apr. 29.
- Becker, Logan A., and J. M. Munson, Lakewood, assignors to The Dobeckmun Company, Cleveland, Ohio. Packaging articles. 1,780,142; Oct. 28.
- Becker, Logan A., and J. M. Munson, Lakewood, assignors to The Dobeckmun Company, Cleveland, Ohio. Tube forming and reeling machine. 1,787,232; Dec. 30.
- Becker, Morris. (See Dorr, Harry A., assignor.)
- Becker, Morris W., New York, N. Y. Thread coating, waxing, and impregnating attachment for winding machines. 1,771,568; July 29.
- Becker, Oscar, Berlin-Treptow, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Loading fixture for film holders. 1,778,140; Oct. 14.
- Becker, Phillip, jr. (See Lotz, Joseph, assignor.)
- Becker, Robert A., Poughkeepsie, N. Y. Wire connector. 1,769,101; July 1.
- Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Chain-stitch sewing machine. 1,748,052; Feb. 25.
- Becker, Theodor A., assignor to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Sole plate for points. 1,772,201; Aug. 5.
- Becker Valve and Special Corporation. (See Becker, Harold R., assignor.)
- Becker Valve and Special Corporation. (See Sinclair, Leonard, assignor.)
- Becker, Walter. (See Richter, E., and Becker.)
- Becker, Walter, Cincinnati, Ohio, assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Shingle. 1,775,927; Sept. 16.
- Becker, William E., Waukesha, Wis. Brush. 1,766,870; June 24.
- Beckerman, Mollie. (See Marinsky, Davis, assignor.)
- Beckers, Arnold. (See Wilhelm, Rudolf, assignor.)
- Beckers, Arnold, Cologne-Lindenthal, Germany. Coking oven. 1,780,992; Nov. 11.
- Beckert, Frank R., Schenectady, N. Y., assignor to General Electric Company. Loud-speaker. 1,765,257; June 17.
- Beckert, Reinhard W., Nesselwang, Allgau, Germany. Punching machine. 1,757,828; May 6.
- Becket, Alan L., East Orange, N. J. Incandescent electric lamp. 1,742,630; Jan. 7.
- Becket, Alan L., East Orange, N. J. Portable lamp. 1,768,733; July 1.
- Becket, Frederick M., New York, N. Y., assignor to Electro Metallurgical Company. Making low-carbon ferro-alloys. 1,748,750; Feb. 25.
- Becket, Frederick M., New York, N. Y., assignor to Electro Metallurgical Company. Coating metal articles. 1,784,570; Dec. 9.
- Beckett, Governor K., Bakersfield, Calif. Fishing tool. 1,761,463; June 3.
- Beckfield, John C., Pittsburgh, Pa. Apparatus for dispensing liquids in measured quantities. 1,774,349; Aug. 26.
- Beck-Frost Corporation. (See Pemberton, James D., assignor.)
- Beckham, Guy F., and C. D. Morgan, Crosbyton, Tex. Furnace-door-carried fuel burner. 1,783,490; Dec. 2.
- Beckham, William L., and E. F. Wemboener, St. Louis, Mo. Casket carriage. 1,771,836; July 29.
- Beckinsale, Sydney, and H. Waterhouse, Woolwich, London, England. Lead alloy. 1,766,871; June 24.
- Becklin, Herman O., Seattle, Wash. Wrench. 1,770,906; July 22.
- Beckman, Burchard F., Fort Smith, Ark. Tie-plate. 1,767,647; June 24.
- Beckman, Fred G., Muskogee, Okla. Tractor boom crane. 1,765,295; June 17.
- Beckman, George V., Lodi, Calif. Disk-mounting attachment for harrows. 1,781,428; Nov. 11.
- Beckman, Gustaf S., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Slug catcher or yarn cleaner. 1,749,461; Mar. 4.
- Beckman, Herman C., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Apparatus for cleaning teat cups. 1,757,035; May 6.
- Beckman, John W., Oakland, Calif. Breaking emulsions. 1,753,641; Apr. 8.
- Beckman, John W., Oakland, Calif. Transforming organic acids into ketones. 1,753,642; Apr. 8.
- Beckman, John W., Oakland, Calif. Processing cereal grains. 1,753,643; Apr. 8.
- Beckmann, Hermann, Berlin-Zehlendorf, Germany. Rubber substance and making same. 1,745,657; Feb. 4.
- Beckmann, Johannes, Altona, Ottensen, Germany. Electric safety lamp. 1,765,900; June 24.
- Beckmann, Melbourne, A., assignor to Harry J. Hater, Cincinnati, Ohio. Piston. 1,768,816; July 1.
- Beckwith, Albert Y., administrator. (See Schroeder, Anthony.)
- Beckwith, Arthur C., Chicago, Ill., and F. B. Farnsworth, Wadsworth, Ohio, assignors to Chicago Lubricator Company, Chicago, Ill. Automatic drifting valve for steam locomotives. 1,780,964; Nov. 11.
- Beckwith, Clinton H., Geneva, assignor to Crane Co., Chicago, Ill. Piston-type boiler check valve. 1,776,060; Sept. 16.
- Beckwith, Edward S., Albion, Nebr. Rope halter. 1,751,226; Mar. 18.
- Beckwith, Harry H. (See Baynard, William H., assignor.)
- Beckwith, Harry H. (See Jennings, Melvin O., assignor.)
- Beckwith, Harry H., Brookline, Mass. Apparatus for heating counter portions of shoes. 1,760,104; May 27.
- Beckwith, Harry H., Brookline, Mass. Shoe and fixing shoe stiffeners in position therein. 1,777,544; Oct. 7.
- Beckwith Manufacturing Company. (See Clapp, Albert L., assignor.)
- Bedard, Georges, Montreal, Quebec, Canada. Conductor terminal. 1,760,035; May 27.
- Beddard, William H., Small Heath, England. Coin-in-the-slot machine. 1,753,197; Apr. 8.
- Bede, Richard S., Harpursville, N. Y. Chimney-scaffold bracket. 1,770,097; July 8.
- Bedford, Alda V., Schenectady, N. Y., assignor to General Electric Company. Belt or strip driving arrangement. 1,754,187; Apr. 8.
- Bedford, Alda V., Schenectady, N. Y., assignor to General Electric Company. Amplifier. 1,784,653; Dec. 9.
- Bedford, Charles S., Leeds, England. Dyeing and like machine. 1,763,945; June 17.
- Bedford, Clayton W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,777,634; Oct. 7.
- Bedford, Edmund C., Willows, Calif. Tension trailer hitch. 1,745,733; Feb. 4.
- Bedford, James P., Forest Hills, N. Y. Controlling mechanism for directional signals. 1,768,538; July 1.
- Bedient, Clarence E., Cincinnati, Ohio. Blasting unit. 1,762,044; June 3.
- Bednar, Joseph J., McKees Rocks, Pa. Grease cup. 1,771,071; July 22.
- Bednarek, Peter C., Chicago, Ill. Cushioning structure. 1,748,666; Feb. 25.
- Bedo, Joseph, assignor to Permachrome Process Corporation, Cleveland, Ohio. Electroplating bath. 1,754,075; Apr. 8.
- Bee, Herbert, Manchester, assignor to Woodbury Shoe Mfg. Co., Derry, N. H. Boot or shoe and shank stiffener therefor. 1,752,775; Apr. 1.
- Beebe, Claude S., Salt Lake City, Utah. Toy fighting plane. 1,753,681; Apr. 8.
- Beebe, Edward M., Shawnee, Okla. Manifold. 1,771,607; July 29.
- Beebe, Edward M., Shawnee, Okla. Quick-opening blow-off valve. 1,766,165; June 24.
- Beebe, Harwood, Spartanburg, S. C. Roadway and constructing the same. 1,758,022; May 13.
- Beebe, Paul, Los Angeles, Calif., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Treatment for liners. 1,785,667; Dec. 16.
- Beech, Alexander C., assignor to Kroehler Manufacturing Company, Naperville, Ill. Folding-bed construction. 1,742,801; Jan. 7.
- Beecher, Eugene L. (See McElroy, J. J., and Beecher.)
- Beecher, Eugene L., New Haven, Conn., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load air spring. 1,776,279; Sept. 23.
- Beecher, Titus A., Chicago, Ill. Apparatus for flowing oil wells. 1,750,951; Mar. 18.
- Beecher, William G., and L. F. Smith, Baltimore, Md., assignors to The Maximum Storage Garage Planning Corporation. Storage building. 1,779,998; Oct. 28.
- Beech-Nut Packing Company. (See Kelsea, Clarence H., assignor.)
- Beech-Nut Packing Company. (See Washburn, Walter B. C., assignor.)
- Beeley, John S., Charleston, W. Va., assignor to Du Pont Ammonia Corporation, Wilmington, Del. Producing hydrogen. 1,756,934; May 6.
- Beekman, Royce A., Schenectady, N. Y., assignor to General Electric Company. Prime-mover-generator plant. 1,776,716; Sept. 23.
- Beeler, Esten B., assignor to Esta Gauge Company, Chicago, Ill. Blow-off gauge. 1,746,923; Feb. 11.
- Beeman, Henry F., Fort Collins, Colo. Gas-saving attachment for internal-combustion engines. 1,750,086; Mar. 11.
- Beeman, Leon J., Lancaster, N. Y. Flag for rural mail boxes. 1,571,162; May 6.
- Beemer, Frank, Philadelphia, Pa. Antifriction wheel. 1,751,453; Mar. 18.
- Beemer, Miles W., Newark, N. J. Electrical connector. 1,751,572; Mar. 25.
- Beer, Georg, Wiesbaden, Germany. Piston ring. 1,763,127; June 10.
- Beerhalter, Rhinehart O., Junction City, Kans. Junction-box fixture. 1,767,339; June 24.
- Beers, George L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Superheterodyne radio receiving system. 1,746,576; Feb. 11.
- Bears, Henry S., Westport, Conn., assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing, dissolving, or similar apparatus. 1,750,236; Apr. 29.

- Beers, Henry S., Westport, Conn., assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing apparatus. 1,762,950; June 10.
- Beers, Henry S., Westport, Conn., assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing and discharging apparatus. 1,764,498; June 17.
- Beers, Henry S., Westport, Conn., assignor to The Turbo-Mixer Corporation, New York, N. Y. Multistage mixing apparatus. 1,768,735; July 1.
- Beers, Hurlbut P., Schenectady, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Resurfacing records. 1,750,155; Mar. 11.
- Beers, Louis G., assignor to The New Jersey Wire Cloth Company, Trenton, N. J. Wire-cloth measuring and delivery table. 1,779,872; Oct. 28.
- Beers, Roland F., Binghamton, N. Y., assignor to Raytheon Inc., Cambridge, Mass. Battery eliminator. 1,742,682; Jan. 7.
- Beers, Royce L., assignor to Detroit Stoker Company, Detroit, Mich. Underfeed stoker. 1,755,146; Apr. 15.
- Beers, Royce L., assignor to Detroit Stoker Co., Detroit, Mich. Stoker construction. 1,770,061; July 8.
- Beese, Herman, assignor to Ribside Furnace Company, Wausau, Wis. Drum for furnaces. 1,762,951; June 10.
- Beeson, Joseph W., East St. Louis, assignor to J. E. Carson, Belleville, Ill. Coin-controlled vending machine. 1,783,325; Dec. 2.
- Beetham, Maurice F., assignor to Whiting Corporation, Harvey, Ill. Charging apparatus for cupolas. 1,772,884; Aug. 12.
- Beezley, Don L., et al. (See Shearer, Frederick C., assignor.)
- Beggs, Charley M., Rock Falls, Ill. Combined mole and rat trap. 1,749,870; Mar. 11.
- Beggs, Joseph W., Winnipeg, Manitoba, Canada. Vehicle transmission. 1,771,072; July 22.
- Beghetti, Peter, San Francisco, Calif. Wire-twisting device. Re17,636; Apr. 8.
- Begtrup, Edward F., Jersey City, N. J., assignor to Metal and Thermit Corporation, Carteret, N. J. Aluminothermic welding of rails and the like. Re17,671; May 20.
- Behle, Joseph, assignor to the Murray Company, Dallas, Tex. Finishing cotton-gin ribs. 1,750,741; Mar. 18.
- Behle, Joseph, assignor to The Murray Company, Dallas, Tex. Cotton feeder. 1,774,077; Aug. 26.
- Behle, Joseph, assignor to The Murray Company, Dallas, Tex. Breast lifter for gins. 1,785,109; Dec. 16.
- Behm, Merle J., Tiffin, Ohio. Switch box. 1,775,665; Sept. 16.
- Behn, Guido G., assignor to Hudson Motor Car Company, Detroit, Mich. Steering wheel. 1,746,183; Feb. 4.
- Behncke, Hermann. (See Marx, K., Behncke, and Brodersen.)
- Behnke, Cord H., Flushing, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Retaining device for caps. 1,749,462; Mar. 4.
- Behnke, Cord H., Flushing, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Retaining device. 1,762,757; June 10.
- Behnke, Guy E., assignor to Reed Roller Bit Company, Houston, Tex. Roller-cutter mounting. 1,762,570; June 10.
- Behnke, Guy E., assignor to Reed Roller Bit Company, Houston, Tex. Weight regulator and indicator. 1,779,581; Oct. 28.
- Behr, Gustave E., Jr., Brooklyn, N. Y., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company St. Paul, Minn. Abrasive sheet material. Re17,580; Feb. 4.
- Behr, Hans C., Scarsdale, N. Y. Continuous separation of liquids and solids. 1,749,368; Mar. 4.
- Behr, Hans C., Scarsdale, N. Y. Centrifugal drier. 1,749,369; Mar. 4.
- Behr, Hans C., Scarsdale, N. Y. Centrifugal drier. 1,749,370; Mar. 4.
- Behr, Leo, Ithaca, N. Y., assignor to Leeds & Northrup Company, Philadelphia, Pa. Relative-humidity recorder. 1,758,494; May 13.
- Behr, Siegfried. (See Samuels, Frances, assignor.)
- Behrendt, Frederick, Cleveland, Ohio. Vision attachment. 1,754,540; Apr. 15.
- Behrens, Hermann, Hanover, assignor of one-half to Maschinen-und Werkzeugfabrik Kabel Vogel & Schemmann A.-G., Kabel, Germany. Machine for treating granular material. 1,769,670; July 1.
- Behringer, Grover F., assignor to The American Steel Package Company, Defiance, Ohio. Variable condenser. 1,756,447; Apr. 29.
- Behrman, Abraham S., Chicago, Ill. Separator plate. 1,784,981; Dec. 16.
- Behrman, Abraham S., assignor, by mesne assignments, to General Zeolite Company, Chicago, Ill. Preparing siliceous materials. 1,755,496; Apr. 12.
- Behrman, Abraham S., assignor to General Zeolite Company, Chicago, Ill. Liquid treatment. 1,756,275; Apr. 29.
- Behrman, Abraham S., Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Base-exchange material and preparing same. 1,756,623; Apr. 29.
- Behrman, Abraham S., Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Base-exchange substance. 1,756,624; Apr. 29.
- Behrman, Abraham S., Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Preparing metallo-silicates. 1,756,625; Apr. 29.
- Behrman, Emil L., Bloomington, and A. E. Gomes, Peoria, Ill. Automobile window awning. 1,744,027; Jan. 21.
- Behrman, Marcus B., Brooklyn, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Surgeon's knife. 1,751,227; Mar. 18.
- Behrman, Marcus B., assignor to The Lox Seal Corporation, Brooklyn, N. Y. Pile wire. 1,757,509; May 6.
- Behrman, Marcus B., assignor to The Lox Seal Corporation, Brooklyn, N. Y. Pile-wire cutter. 1,775,928; Sept. 16.
- Behrman, Marcus B., New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Corn razor. 1,776,247; Sept. 23.
- Behrman, Marcus B., New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Surgeon's knife. 1,776,248; Sept. 23.
- Behrmann, Georg J. K., Rijswijk, assignor to Naamlooze Vennootschap Ingenieurs Kantoor voor Scheepsbouw, The Hague, Netherlands. Submarine boat. 1,783,691; Dec. 2.
- Beibin, Morris, assignor of one-half to S. Beibin, Brooklyn, N. Y. Container for moth balls. 1,758,347; May 13.
- Beibin, Samuel. (See Beibin, Morris, assignor.)
- Beidelstein, Frank, Milwaukee, Wis. Game board. Des. 81,826; Aug. 19.
- Beidler, Donald C., trustee. (See Beidler, D. C., and Viken, assignors.)
- Beidler, Donald C., and A. J. Viken, assignors to D. C. Beidler, trustee, Chicago, Ill. Camera and camera stand. 1,743,184; Jan. 14.
- Beidler, Ford E., assignor of one-third to S. Alsop, one-third to C. E. Crowley, and one-third to F. E. Chester, New York, N. Y. Combination electric-lighting apparatus. 1,755,385; Apr. 22.
- Beidler, George C., Rochester, N. Y. Photographic copyholder. 1,743,310; Jan. 14.
- Beidler, George C., Rochester, N. Y. Photographing apparatus. 1,743,311; Jan. 14.
- Beidler, George C., Rochester, N. Y. Photographic apparatus. 1,757,001; May 6.
- Beidler, George C., Rochester, N. Y. Copyholder. 1,760,734; May 27.
- Beidler, George C., Rochester, N. Y. Apparatus for treating photographic films. 1,768,022; June 24.
- Beidler, George C., Rochester, N. Y. Apparatus for treating photographic films. 1,768,501; June 24.
- Beilgard, Harvey A., Hollywood, Calif. Automatic food-unit-filling machine. 1,782,596; Nov. 25.
- Beim, Nels C., Minneapolis, Minn. Lubricant and producing the same. 1,784,809; Dec. 16.
- Beimling, William A., assignor to National Brake & Electric Company, Milwaukee, Wis. Radiator. 1,782,394; Nov. 25.
- Beisner, Lawrence F. (See Morton, W. B., and Belsner.)
- Beissel, P. G., executor. (See Townner, Heber F.)
- Beisser, Harry, Detroit, Mich. Key machine. 1,742,631; Jan. 7.
- Beitler, John, Brentwood, Pa. Safety attachment for wringers. 1,753,040; Apr. 1.
- Beitman, Albert B., Cleveland Heights, Ohio. Windshield and adjusting mechanism therefor. 1,769,172; July 1.
- Bek, Ernst G. (See Brunhübner, Georg, assignor.)
- Bek, Ernst G. (See Kindl, assignor.)
- Bek, Ernst G. (See Wenz, J., Brunhübner and Alvera, assignors.)
- Bekk, Dr., and Kaulen Chemische Fabrik G. m. b. H. (See Bekk, Julius, assignor.)
- Bekk, Julius, Berlin-Steglitz, assignor to the firm Dr. Bekk & Kaulen Chemische Fabrik G. m. b. H., Berlin-Lichterfelde, Germany. Etching printing forms for intaglio printing planographic printing, and the like. 1,776,535; Sept. 23.
- Belanger, Albert P. D., assignor to Reynolds Electric Company, Chicago, Ill. Apparatus for smoking, curing, and drying food products and the like. 1,749,559; Mar. 4.
- Belanger, John, Los Angeles, Calif. Casement-window-adjuster and latch. 1,771,073; July 22.
- Belanger, Victor E. A., Montreal, Quebec, Canada. Internal-combustion engine. 1,756,968; May 6.
- Belcher, Alphonso W., Winthrop, Mass. Garter. 1,743,805; Jan. 14.
- Belcher, Donald M., Arlington, assignor to Coffin Valve Company, Neponset, Mass. Control device for power cylinders. 1,742,892; Jan. 7.
- Belcher, Donald M., Winchester, assignor to Coffin Valve Company, Neponset, Mass. Valve-operating device. 1,749,310; Mar. 4.
- Belcher, George E., Company. (See Peterson, Otto A., assignor.)
- Belcher, George E., Company. (See Reinhardt, Louis W., assignor.)
- Belcher, Gertrude, assignor to M. B. Johnson, Hollywood, Calif. Rug and making the same. 1,752,287; Apr. 1.
- Belcher, Robert F., et al. (See Carter, Samuel C., assignor.)
- Belcher, Walter E., assignor of one-half to J. Wolinsky, Winnipeg, Manitoba, Canada. Attachment to electric irons. 1,742,642; Jan. 7.

- Beldam, George W., and J. Smith, Ealing, assignors to The Beldam Packing & Rubber Company Limited, London, England. Packing for making fluid-tight joints between parts of engines or machines having relative movement. 1,749,659; Mar. 4.
- Belden, Albert G. (See Trefethen, C. G., and Belden.)
- Belden, Clements G. (See Frehse, A. W., and Belden.)
- Belden, Clements G., assignor to General Motors Corporation, Detroit, Mich. Brake-cam centralizer. 1,755,977; Apr. 22.
- Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Flexible engine support. 1,775,115; Sept. 9.
- Belden, Edward H., assignor to Belden Patents Incorporated, Toledo, Ohio. Two-cycle V motor. 1,785,175; Dec. 16.
- Belden, Joseph C., assignor to Belden Manufacturing Company, Chicago, Ill. Floor cord. 1,751,386; Mar. 18.
- Belden Manufacturing Company. (See Belden, Joseph C., assignor.)
- Belden Manufacturing Company. (See Wermine, Hugo H., assignor.)
- Belden Patents Incorporated. (See Belden, Edward H., assignor.)
- Belding Heminway Company. (See Stine, Frank L., assignor.)
- Belding Packing & Rubber Company Limited, The. (See Beldam, G. W., and Smith, assignors.)
- Belding, William D., Denver, Colo. Building construction. 1,786,691; Dec. 30.
- Belfield, Stafford C., Twickenham, England. Apparatus for regulating the temperature of the oil contained in the sumps of internal-combustion engines. 1,762,464; June 10.
- Belflex Corporation, The. (See Church, Harold D., assignor.)
- Belfrage, Frank R., and L. A. Thomas, Kansas City, Mo. Syringe. 1,779,368; Oct. 21.
- Belhumeur, John A., Esmond, R. I. Vacuum device. 1,756,507; Apr. 29.
- Belin, Allen O. (See Klim, A. H., Johnson, Nelson, Belin, and Lundsten.)
- Belin, Edouard, Paris, France. Method and apparatus for transmitting documents electrically. 1,760,866; June 3.
- Belin, Edouard, Paris, France. Device for recording documents transmitted by radio. 1,781,944; Nov. 18.
- Belin, Edouard, Paris, France. Optical recording device for telegraphic signaling. 1,785,610; Dec. 16.
- Beliot Iron Works. (See Kilberry, George D., assignor.)
- Belknap, Doris V., Brooklyn, N. Y., assignor to Monument Mills, Housatonic, Mass. Textile fabric. Des. 81,431; June 24.
- Belknap, Doris V., Brooklyn, N. Y., assignor to Monument Mills, Housatonic, Mass. Bedspread. Des. 81,432; June 24.
- Belknap, Doris V., Brooklyn, N. Y., assignor to Monument Mills, Housatonic, Mass. Textile fabric. Des. 81,472; July 1.
- Belknap, Doris V., Brooklyn, N. Y., assignor to Monument Mills, Housatonic, Mass. Textile fabric. Des. 81,518; July 8.
- Belknap, Doris V., Brooklyn, N. Y., assignor to Monument Mills, Housatonic, Mass. Textile fabric. Des. 81,519; July 8.
- Belknap, Doris V., Bronxville, N. Y., assignor to Monument Mills, Housatonic, Mass. Bedspread. Des. 81,617; July 22.
- Belknap, Doris V., Bronxville, N. Y., assignor to Monument Mills, Housatonic, Mass. Textile fabric. Des. 81,827; Aug. 19.
- Belknap, Frank L. (See Kirschbraun, Lester, assignor.)
- Belknap, Joel R., Charleston, W. Va. Allaying dust in fuels. Re17,566; Jan. 14.
- Bell, Alfred B., assignor to Hale & Kilburn Co., Philadelphia, Pa. Car seat. 1,746,986; Feb. 11.
- Bell, Charles H., Cleveland Heights, assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,767,040; June 24.
- Bell, Charles W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote-control apparatus. 1,779,418; Oct. 23.
- Bell, Codie D., New York, N. Y. Pulling hand top. 1,784,684; Dec. 9.
- Bell, Daniel, assignor to Invincible Laundry Equipment Co., Chicago, Ill. Oscillating washer. 1,763,644; June 17.
- Bell, David M., Sandwich, Ontario, Canada, assignor of one-half to J. Alter, Wayne, Mich. Internal combustion compressor engine. 1,759,342; May 20.
- Bell, Erwin L., Lebanon, Tenn. Rake construction. 1,768,101; June 24.
- Bell, Frank B., assignor to Edgewater Steel Company, Pittsburgh, Pa. Finishing wheels. 1,742,193; Jan. 7.
- Bell, Frank B., assignor to Edgewater Steel Company, Pittsburgh, Pa. Car wheel. 1,781,867; Nov. 18.
- Bell, Frank B., and O. R. Wikander, assignors to Edgewater Steel Company, Pittsburgh, Pa. Draft gear. 1,750,455; Mar. 11.
- Bell, Fred C., and S. Skelly, Alameda, Calif. Lawn rake. Re17,810; Sept. 23.
- Bell, George H., Nashville, Ark. Fruit crate. 1,748,825; Feb. 25.
- Bell, Godfrey. (See Shehan, W. E., and Bell.)
- Bell & Gossett Company. (See Daley, Walter A., assignor.)
- Bell & Gossett Company. (See Jones, David J., assignor.)
- Bell, Harry S., Paterson, N. J. Aeroplane steering mechanism. 1,747,344; Feb. 18.
- Bell, Harvey W., Ardsley-on-Hudson, assignor to The Bell Corporation, New York, N. Y. Flexible connection. 1,758,554; May 13.
- Bell & Howell Company, The. (See Howell, Albert S., assignor.)
- Bell, Ivan C. (See Crickmer, C. S., and Bell.)
- Bell, Ivan C., assignor to The Guiberson Corporation, Dallas, Tex. Multiple-cutter-disk bit. Re17,856; Nov. 11.
- Bell, James H. (See Remington, Joseph P., assignor.)
- Bell, John E., Dubuque, Iowa. Sash-pin-stacking machine. 1,743,909; Jan. 14.
- Bell, John E., deceased, Brooklyn, N. Y., L. R. Bell executrix. Waste-heat boiler. 1,753,589; Apr. 8.
- Bell, John E., deceased, Brooklyn, N. Y., L. R. Bell, executrix. High-pressure boiler. 1,785,927; Dec. 23.
- Bell, John E., Brooklyn, assignor to Power Specialty Company, New York, N. Y. Heating apparatus. 1,753,192; Apr. 8.
- Bell, John E., deceased; L. R. Bell, executrix, Brooklyn, assignor to Sinclair Refining Company, New York, N. Y. Apparatus for condensing hydrocarbon vapors. 1,757,108; May 6.
- Bell, John E., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Apparatus for cleaning economizer tubes. 1,764,189; June 17.
- Bell, John E., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Oil-vapor separation and condensation. 1,764,190; June 17.
- Bell, John E., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Welded tubular element. 1,764,603; June 17.
- Bell, John E., Brooklyn, N. Y., assignor to Combustion Engineering Corporation. Method and apparatus for burning pulverized fuel. 1,786,887; Dec. 30.
- Bell, John E., deceased, L. R. Bell, Brooklyn, executrix, and E. W. Isom, Locust Valley, assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,758,818; May 13.
- Bell, John E., Brooklyn, and E. W. Isom, Locust Valley, N. Y., assignors to Sinclair Refining Company, Chicago, Ill. Cracking hydrocarbons. 1,782,056; Nov. 18.
- Bell, John H., South Orange, N. J., assignor to Western Electric Company, Inc., New York, N. Y. Duplex telegraph system. 1,762,952; June 10.
- Bell, John H., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control system. 1,768,283; June 24.
- Bell, John M., Chester, S. C. Viscosimeter. 1,772,028; Aug. 5.
- Bell, John W. (See Bell, Thomas J. and J. W.)
- Bell, Joseph D., Philadelphia, Pa. Aircraft construction. 1,773,340; Aug. 19.
- Bell, Lawrence, New York, N. Y., assignor to S. Karpen & Bros., Chicago, Ill. Sofa. 1,772,979; Aug. 12.
- Bell, Lawrence D., Los Angeles, and J. C. Rombach, Glendale, Calif.; said Rombach assignor to said Bell. Cigar and cigarette lighter. 1,782,025; Nov. 18.
- Bell, Lola R., executrix. (See Bell, John E.)
- Bell, Lola R., executrix. (See Bell, J. E., and Isom.)
- Bell, Raymond T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Railway grade crossing. 1,783,274; Dec. 2.
- Bell-Rea Corporation. (See Bastiaens, Marion, assignor.)
- Bell, Robert B., Miami, Fla. Plant protector. 1,747,967; Feb. 18.
- Bell Telephone Laboratories, Incorporated. (See Andereg, Gustavus A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Bell, John H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Bennett, Philander H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Bernhard, Lucian, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Betts, A. F., and Mitchell, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Bishop, Nathaniel, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Bishop, Walter M., assignor.)
- Bell Telephone Laboratories Incorporated. (See Bjornson, Bjorn G., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Blount, Nelson, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Borgmann, C. Marting, and Hagland, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Bowne, L. J., and Koechling, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Bozorth, Richard M., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Bragg, Herbert E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Bruce, Edmond, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Buckley, Oliver E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Buckley, O. E., and Johnson, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Burkholder, John C., jr., assignor.)

- Bell Telephone Laboratories, Incorporated. (See Burton, Everett T., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Butz, Edward D., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Carpenter, Warren W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Carpenter, W. W., and Hersey, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Carpenter, W. W., and Johnson, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Ceccarini, Olindo O., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Cesareo, Orfeo, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Clark, Edgar H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Clark, E. H., and Carpenter, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Clarke, René, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Clokey, Allison A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Collis, Raymond E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Cousins, Van M., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Curley, Thomas V., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Curtis, Austen M., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Dehn, Joseph W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Dickleson, Alton C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Dunham, Bert G., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Elmen, Gustaf W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Elmer, Lloyd A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Englund, C. R., and Llewellyn, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Entz, Ferdinand S., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Everett, Samuel H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Falk, Arthur H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Farnsworth, Frank F., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Field, Joseph C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Fisher, George H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Flanders, Paul B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Fowler, Clarence B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Frederick, Halsey A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Fry, Jacob R., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Ganz, Albert G., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Gargan, John O., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Gilbert, John J., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Given, Frederick J., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Given, F. J., Greenidge, and Weeks, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Goodrum, Charles L., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Graham, Frank H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Gray, F., and Hefele, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Hague, Alfred E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Hague, A. E., and Peterson, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Hartley, Ralph V. L., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Hillhouse, John T. E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Hinrichsen, Edward E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Hoch, Mary T., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Holland, Newman H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Horton, Joseph W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Howland, Henry, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Hoyt, Frederick A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Hubbard, Frank A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Irvine, Frank S., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Jensen, Gustav B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Johnson, Herbert B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Jones, Warren C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Keith, Clyde R., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Keller, Arthur C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Kemp, Archie R., assignor.)
- Bell Telephone Laboratories, Incorporated. (See King, D. H., and Martin, assignors.)
- Bell Telephone Laboratories, Incorporated. (See King, Gerald V., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Kinkadee, Fullerton S., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Knoop, William A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Koechling, C. D., and King, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Korn, Franklin A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Krecek, Joseph A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Krom, Myron E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Lane, Clarence E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Legg, Victor E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Manderfeld, Emanuel C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Marri-son, Warren A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Mathes, Robert C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Matthies, William H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See McKeehan, Louis W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Mead, Edward D., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Mellick, John M., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Meyer, Delbert C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Miller, O. R., and Mead, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Mohr, Franklin, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Moore, Charles R., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Morris-son, Louis A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Mur-phy, Paul B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Newsom, James B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Nicoll, Robert I. D., assignor.)
- Bell Telephone Laboratories, Incorporated, et al. (See Nicoll, R. I. D., and Davis, assignors, and von Nostitz.)
- Bell Telephone Laboratories, Incorporated. (See Norton Philander, assignor.)
- Bell Telephone Laboratories, Incorporated. (See O'Neill, Henry W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Palne, Robert C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Peter-son, Arthur E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Peter-son, Eugene, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Pratt, Edward J., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Priessman, Neil Y., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Pritchard, William T., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Schlenker, Vesper A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Schwartz, E. L., and Williams, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Seacord, Kenneth P., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Shann, Oscar A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Shea, Timothy E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Sivan, Leon J., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Smith, W. F., Jr., and Crabtree, assignors.)

- Bell Telephone Laboratories, Incorporated. (See Smythe, Edwin H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Snook, Homer C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Stacy, L. J., and Krom, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Steinberg, John C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Stevenson, George H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Stokely, Ray L., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Stoller, H. M., and Morton, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Stoller, H. M., and Porter, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Strickler, Walter B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Taylor, Hugh S., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Terry, Roy V., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Thuras, Albert L., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Vassos, John, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Vieth, William F., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Wentz, Edward C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Wentz, Jesse F., assignor.)
- Bell Telephone Laboratories, Incorporated. (See White, John H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Whiting, Donald F., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Whittle, Horace, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Whittle, H., and Grimley, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Wiebusch, Charles F., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Wilbur, Ray S., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Wolfe, Wallace V., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Wood, Ernest B., assignor.)
- Bell Telephone Laboratories, Incorporated, et al. (See Walters, J. N., and Clark, assignors.)
- Bell, Thomas J. and J. W., Lake Monroe, Fla. Crate press. 1,745,203; Jan. 28.
- Bell, Thomas J. and J. W., Lake Monroe, Fla. Registering and checking apparatus. 1,748,826; Feb. 25.
- Bell, Victor L., Edgewood, Pa. Drafting compass. 1,779,725; Oct. 28.
- Bell, William D., assignor of one-fourth to E. P. Corbett, Columbus, Ohio. Automobile fuel pump. 1,742,183; Jan. 7.
- Bell, William F., Britannia Bay, Ontario, Canada. Undercarriage construction for aircraft. 1,779,690; Oct. 28.
- Bell, William H. (See Patten, R. W., Vrabel, Gombar, and Bell.)
- Bell, William R., Terre Haute, Ind. Poster-sign-removal process. 1,751,469; Mar. 25.
- Bellah, George R., Los Angeles, assignor of one-half to E. J. Naffziger, Glendale, Calif. Garden tool. 1,749,271; Mar. 4.
- Bellah, George R., Los Angeles, assignor of one-half to E. J. Naffziger, Glendale, Calif. Hand cultivator. 1,766,212; June 24.
- Bellam, Joseph E. (See Edmonds, John H., assignor.)
- Bellamore, David H., New York, N. Y. Disk wheel. 1,730,897; Nov. 11.
- Bellamore, David H., New York, N. Y., assignor to A. B. Welles, Minneapolis, Minn. Disk wheel. 1,745,973; Feb. 4.
- Bellamy, Charles R., Caldwell, N. J., assignor of one-half to W. H. Blauvelt, New York, N. Y. Coking oven and other furnace. 1,772,413; Aug. 5.
- Bellamy, John I., Brookfield, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,760,625; May 27.
- Bellamy, John I., Brookfield, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,760,626; May 27.
- Bellamy, John I., Brookfield, and R. G. Richardson, assignors to Automatic Electric Inc., Chicago, Ill. Testing equipment. 1,761,251; June 3.
- Bellay, Julien, Brussels, Belgium. Gas and steam producer generator. 1,753,847; Apr. 8.
- Belle City Malleable Iron Company. (See Anderson, Russell J., assignor.)
- Bellem, Louis H. L., Asnières, France. Pump. 1,768,102; June 24.
- Beller, Hans. (See Luther, M., and Beller.)
- Bellerose, Albert R., West Hartford, Conn. Curtain-roller operating mechanism. 1,772,700; Aug. 12.
- Belles, Albert C., New Brighton, assignor to Union Drawn Steel Company, Beaver Falls, Pa. Drawing machine. 1,765,047; June 17.
- Bellhouse, Robert L., Manchester, assignor to The Fine Cotton Spinners & Doublers Association Limited, Lancaster, England. Slubbing, roving, and like frame for spinning or twisting cotton and other fibers. 1,757,407; May 6.
- Bellini, Ettore, Paris, France. Multiple-amplifier arrangement. 1,763,388; June 10.
- Bellman, Edward, Rockford, Ill. Alarm-clock unit. 1,784,479; Dec. 9.
- Bellmann, Carl, New York, N. Y. Hangar equipment. 1,751,721; Mar. 25.
- Bellocchio, Nino, New York, N. Y. Fire extinguisher. 1,779,959; Oct. 28.
- Belloch, Morris, Brooklyn, N. Y. Buckle. 1,759,639; May 20.
- Bellonby, Ray E., Cincinnati, Ohio. Extension table. 1,773,470; Aug. 19.
- Bellows, Warren S., Worcester, Mass. Folding table. 1,747,691; Feb. 18.
- Bellows, Warren S., Worcester, Mass. Table. 1,760,036; May 27.
- Bellows, Warren S., East Orange, N. J. Folding table. 1,747,692; Feb. 18.
- Bells, George A., Pasadena, Calif. Adjusting automobile wheels and axles. 1,743,091; Jan. 14.
- Belluche, Elmer W., assignor to Christensen Machine Company, Racine, Wis. Delivery mechanism for signature-stitching machines. 1,750,622; Mar. 18.
- Belluche, Elmer W. and F. R., Racine, Wis. Combination printing and bronzing machine. 1,774,078; Aug. 26.
- Belluche, Frank R. (See Belluche, Elmer W. and F. R.)
- Belluche, Frank R., Racine, Wis. Bronzing machine. 1,744,608; Jan. 21.
- Beloin, Onesime C., Riverside, R. I. Trimmer. 1,778,995; Oct. 21.
- Beloit Iron Works. (See Aldrich, Alonzo, assignor.)
- Beloit Iron Works. (See Berry, Earl E., assignor.)
- Beloit Iron Works. (See Kutter, Herman L., assignor.)
- Belote, Farrald G., Waco, Tex. Automobile unloading device. 1,745,829; Feb. 4.
- Beloyt Corporation, The. (See Bell, Harvey W., assignor.)
- Belt, Thomas A. E., Schenectady, N. Y., assignor to General Electric Company. System of protection and control for electrical apparatus. 1,755,095; Apr. 15.
- Belveal, Lloyd I. (See Belveal, Sherman, assignor.)
- Belveal, Sherman, Delphos, assignor of one-half to L. I. Belveal, Kansas City, Mo. Fastener. 1,776,575; Sept. 23.
- Belz, Charles A., Arcola, Pa. Combined compressed-air hose and air-pressure gauge. 1,785,110; Dec. 16.
- Beman, Clifford W., North Emporia, Va. Headlight dimmer. 1,767,340; June 24.
- Bemelmans, Lampert, Miami, Fla. Can-pouring apparatus. 1,767,504; June 24.
- Bemis, Albert F., Newton, assignor to Bemis Industries, Inc., Boston, Mass. Building. 1,748,505; Feb. 25.
- Bemis, Albert F., Newton, assignor to Bemis Industries Inc., Boston, Mass. Building construction. 1,752,058; Mar. 25.
- Bemis, Albert F., Newton, assignor to Bemis Industries, Inc., Boston, Mass. Building. 1,769,733; July 1.
- Bemis, Albert F., Newton, assignor to Bemis Industries, Inc., Boston, Mass. Synthetic lumber. 1,770,507; July 15.
- Bemis, Albert F., Newton, assignor to Bemis Industries, Inc., Boston, Mass. Building. 1,785,067; Dec. 16.
- Bemis Bro. Bag Company. (See Litchfield, Isaac W., assignor.)
- Bemis Bro. Bag Co., (See Morrill, Philip E., assignor.)
- Bemis Industries, Incorporated. (See Batcheller, Clements, assignor.)
- Bemis Industries, Inc. (See Bemis, Albert F., assignor.)
- Bemis Industries, Incorporated. (See Raynes, Harry C., assignor.)
- Bénard, Henri L. M. J., assignor to Anciens Etablissements Barbier Benard et Turenne, Societe Anonyme, Paris, France. Arc lamp. 1,771,283; July 22.
- Benbinisti, Albert, assignor to N. Gershon, New York, N. Y. Ice-cream-cone-baking machine. 1,757,556; May 6.
- Benbow, John T. (See Holt, Fred L., assignor.)
- Bench, Iren G., Provo, Utah. Automobile parking device. 1,771,203; July 22.
- Benckiser, Joh. A., Chemische Fabrik. (See Draibach, Fritz, assignor.)
- Benczalski, Wojciech, Eureka, Calif. Pencil sharpener. 1,780,371; Nov. 4.
- Benda, Jaroslav, Prague, Czechoslovakia. Footwear. 1,756,169; Apr. 29.
- Benda, Louis, Frankfurt-on-the-Main-Fechenheim, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Stable and sterilized solution of salts of paradialkylaminoaryl-phosphinous acids. 1,758,425; May 13.
- Bendelari, Mary E., assignor to Sandalari, Inc., New York, N. Y. Producing raised designs on the surface of articles made from leather or the like. 1,758,186; May 13.
- Bender, August. (See Ecker, Will J., jr., assignor.)
- Bender, William A., and H. G. Loesch, Rochester, N. Y., assignors, by mesne assignments, to General Foods Corporation. Medicinal preparation. 1,759,182; May 20.
- Bendix Aviation Corporation. (See Lilley, Daniel G., assignor.)

- Bendix Aviation Corporation. (See Morris, William L., assignor.)
- Bendix Aviation Corporation. (See Rauhen, Carl F., assignor.)
- Bendix Aviation Corporation. (See Semmes, Harry H., assignor.)
- Bendix Aviation Corporation. (See Stelzer, William, assignor.)
- Bendix Brake Company. (See Andres, William J., assignor.)
- Bendix Brake Company. (See Bastien, Paul, assignor.)
- Bendix Brake Company. (See Bendix, Vincent, assignor.)
- Bendix Brake Company. (See Bendix, V., and Gallup, assignors.)
- Bendix Brake Company. (See Blackmore, Lloyd, assignor.)
- Bendix Brake Company. (See Clapp, Stuart H., assignor.)
- Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
- Bendix Brake Company. (See Dodge, A. Y., and Sanford, assignors.)
- Bendix Brake Company. (See Humphrey, Homer D., assignor.)
- Bendix Brake Company. (See Hunt, George H., assignor.)
- Bendix Brake Company. (See Keys, Walter C., assignor.)
- Bendix Brake Company. (See La Brie, Ludger E., assignor.)
- Bendix Brake Company. (See Laddon, I. M., and Ring, assignors.)
- Bendix Brake Company. (See Long, L. E., and Whitworth, assignors.)
- Bendix Brake Company. (See Lyman, Kenneth E., assignor.)
- Bendix Brake Company. (See McConkey, Montgomery W., assignor.)
- Bendix Brake Company. (See Michael, Gus F., assignor.)
- Bendix Brake Company. (See Norton, Raymond J., assignor.)
- Bendix Brake Company. (See Price, Jacob L., assignor.)
- Bendix Brake Company. (See Sanford, Roy S., assignor.)
- Bendix Brake Company. (See Sanford, R. S., and Clark, assignors.)
- Bendix Brake Company. (See Taylor, Cecil H., assignor.)
- Bendix Brake Company. (See Truesdell, Fred A., assignor.)
- Bendix Brake Company. (See Van Buskirk, Robert N., assignor.)
- Bendix Brake Company. (See Whitworth, Stanley, assignor.)
- Bendix-Cowdrey Brake Tester, Inc. (See Cowdrey, Charles F., assignor.)
- Bendix-Cowdrey Brake Tester, Inc. (See Donavan, Paul J., assignor.)
- Bendix Service Corporation. (See Altice, G. F., and Young, assignors.)
- Bendix Stromberg Carburetor Company. (See Mock, Frank C., assignor.)
- Bendix Stromberg Carburetor Company. (See Mock, F. C., and Diener, assignors.)
- Bendix, Vincent, Chicago, Ill. Engine starter. 1,775,805; Sept. 16.
- Bendix, Vincent, assignor to Bendix Brake Company, South Bend, Ind. Brake drum. 1,746,924; Feb. 11.
- Bendix, Vincent, assignor to Bendix Brake Company, South Bend, Ind. Brake drum. 1,746,925; Feb. 11.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,756,936; May 6.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Fluid-operated brake. 1,757,071; May 6.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake drum. 1,758,731; May 13.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake backing plate. 1,762,710; June 10.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake for swiveled wheels. 1,775,804; Sept. 16.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake-operating means. 1,776,410; Sept. 23.
- Bendix, Vincent, Chicago, Ill., and D. L. Gallup, South Bend, Ind., assignors to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,785,854; Dec. 23.
- Bendixen, George, Mountain Lakes, N. J. Antiglare device for automobile headlights. 1,774,413; Aug. 26.
- Bendry, William H., Hancock, Mich. Rotary engine. 1,761,977; June 3.
- Benedetti, Frederick L., Black Diamond, Wash. Composition for soldering aluminum ware. 1,758,348; May 13.
- Benedetto, Antonio, Annandale, near Sydney, New South Wales, Australia. Woodworking machinery. 1,781,429; Nov. 11.
- Benedict, Curtis C., and H. A. Tullis, assignors to Flach and Benedict, Inc., Los Angeles, Calif. Posting tray. 1,755,764; Apr. 22.
- Benedict, Edward L., Pittsburgh, Pa. Sheet material and making the same. 1,766,096; June 24.
- Benedict, Frederic K., assignor, by mesne assignments, to Hanchett Manufacturing Co., Big Rapids, Mich. Multiple cam. 1,742,843; Jan. 7.
- Benedict, Frederic K., assignor to Covell-Hanchett Co., Big Rapids, Mich. Workholder for bar-grinding machines. 1,753,590; Apr. 8.
- Benedict, Henry O. (See Huntington, Harold O., assignor.)
- Benedict, Herschel A., East Orange, and E. M. Moller, South Orange, N. J. Valve. 1,746,814; Feb. 11.
- Benedict, Paul A., Los Angeles, Calif. Trunk-rack guard. 1,778,788; Oct. 21.
- Benedict, Paul A., Los Angeles, Calif. Folding bumper. 1,778,930; Oct. 21.
- Benedict, T. N., Mfg. Co. (See Phillips, Willard A., assignor.)
- Benedict, T. N., Mfg. Co. (See Saunders, Albert F., assignor.)
- Benes, Josef, Vsetin, Czechoslovakia. Fuel pump for internal-combustion engines. 1,784,170; Dec. 9.
- Benford, Nat., Cleveland, Ohio. Automobile wheel. 1,754,593; Apr. 15.
- Benge, Frank H., Bridgeport, Pa., assignor, by mesne assignments, to Continental-Diamond Fibre Company, Newark, Del. Mechanical element. 1,771,370; July 22.
- Benge, Leroy, Kenneth Square, Pa. Molded gear and pulley. 1,778,789; Oct. 21.
- Bengough, Guy D., and J. M. Stuart, London, England. Protecting surfaces of aluminum or aluminum alloys. 1,771,910; July 29.
- Benhoff, George F., Philadelphia, Pa. Conversion of hydrocarbon oils. 1,748,201; Feb. 25.
- Benica, Charles W., East Orange, and R. J. Brittain, Jr., Bloomfield, N. J., assignors to General Motors Corporation, Detroit, Mich. Axle-box and car-truck construction. 1,777,068; Sept. 30.
- Benien, William, assignor to Steel Cable Mud Chain Company, Lincoln, Kans. Cable end connector. 1,768,392; June 24.
- Benintende, Louis, Woodbridge, N. J. Stepladder. 1,754,194; Apr. 8.
- Benioff, Hugo, Pasadena, Calif., assignor to Carnegie Institution of Washington, Washington, D. C. Plate-current supply for vacuum tubes. 1,749,660; Mar. 4.
- Benioff, Hugo, Pasadena, Calif., assignor to Carnegie Institution of Washington, Washington, D. C. Polyphase oscillator. 1,757,354; May 6.
- Benioff, Hugo, Pasadena, Calif., assignor to Carnegie Institution of Washington, Washington, D. C. Electrical recording seismograph. 1,784,415; Dec. 9.
- Benjafield, Walter O., Regina, Saskatchewan, Canada. Switch. 1,781,970; Nov. 18.
- Benjamin, Bert R. (See Johnston, E. A., Benjamin, Baker, and Hagen.)
- Benjamin, Bert R. (See Lindgren, A. C., Benjamin, and Merwin.)
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company, Chicago, Ill. Front truck for tractors. 1,744,436; Jan. 21.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Traction wheel. 1,748,405; Feb. 25.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tractor cultivator. 1,755,806; Apr. 22.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tractor cultivator. 1,760,336; May 27.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tractor wheel. 1,768,972; July 1.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tractor implement. 1,769,103; July 1.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Cotton stripper. 1,769,104; July 1.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tractor stalk chopper. 1,782,560; Nov. 25.
- Benjamin, Bert R., Oak Park, and C. Pearson, Chicago, Ill., assignors to International Harvester Company. Tractor hitch for dump rakes and the like. 1,769,102; July 1.
- Benjamin, Charles A., West Bridgewater, Mass. Stub-receiving and extinguishing adjunct for motor vehicles. 1,772,176; Aug. 5.
- Benjamin, David, Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Ball and socket connection. 1,759,430; May 20.
- Benjamin, E. V., Co., The. (See Orndoff, Herbert W., assignor.)
- Benjamin, Edward O., Newark, N. J. Distilling apparatus and method. 1,784,956; Dec. 16.
- Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
- Benjamin Electric Manufacturing Company. (See Hopkins, Charles L., assignor.)
- Benjamin Electric Mfg. Company. (See McIver, William K., assignor.)
- Benjamin, Harry S., Detroit, Mich. Coin-controlled weighing machine. 1,780,165; Nov. 4.
- Benjamin, John M., Beverly, Mass., assignor, to The Turner Tanning Machinery Company, Portland, Me. Measuring machine. 1,755,172; Apr. 22.
- Benjamin, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nailing machine. 1,785,928; Dec. 23.
- Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Condenser. 1,749,967; Mar. 11.
- Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Panel-board construction. 1,758,642; May 13.

- Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Fixture construction. 1,787,032; Dec. 30.
- Benjamin, Victor C. (See Prutzman, P. W., and Benjamin.)
- Benjamin, Victor C., and P. W. Prutzman, Los Angeles, assignors to Contact Filtration Company, San Francisco, Calif. Multidisk suction filter. 1,757,355; May 6.
- Benk, William P., Bloomfield, N. J. Combined ironing board and chair. 1,744,437; Jan. 21.
- Benkiser, Paul, Cleveland, Ohio. Gas and vapor separator. 1,763,746; June 17.
- Benner, Harry P. (See Egloff, G., and Benner.)
- Benner, Harry P. (See Morrell, J. C., and Benner.)
- Benner, R. C., Bayside, and A. P. Thompson, Jackson Heights, assignors to General Chemical Company, New York, N. Y. Obtaining elemental sulphur and catalysts therefor. 1,773,293; Aug. 19.
- Benner, Raymond C., Bayside, N. Y., assignor, by mesne assignments, to Prest-O-Lite Storage Battery Corporation. Silicated storage-battery separator and making the same. 1,744,946; Jan. 28.
- Benner, Raymond C., Bayside, and N. K. Chaney, Kew Gardens, assignors, by mesne assignments, to Prest-O-Lite Storage Battery Corporation. Composite separator and making the same. 1,786,328; Dec. 23.
- Benner, Raymond C., Niagara Falls, assignor to General Chemical Company, New York, N. Y. Producing elemental sulphur. 1,773,294; Aug. 19.
- Benner, Raymond C., assignor to The Carborundum Company, Niagara Falls, N. Y. Furnace. 1,786,593; Dec. 30.
- Benner, Raymond C., Bayside, and J. H. Fink, Brooklyn, N. Y., assignors, by mesne assignments, to Prest-O-Lite Storage Battery Corporation. Bonded fiber separator and making the same. 1,744,256; Jan. 21.
- Benner, Raymond C., Bayside, and H. Henninger, Flushing, assignors to General Chemical Company, New York, N. Y. Production of ammonium sulphates. 1,769,938; July 8.
- Benner, Raymond C., Bayside, and A. P. Thompson, Jackson Heights, assignors to General Chemical Company, New York, N. Y. Producing elemental sulphur. 1,751,066; Mar. 18.
- Benner, Raymond C., Bayside, and A. P. Thompson, Jackson Heights, assignors to General Chemical Company, New York, N. Y. Producing elemental sulphur. 1,751,067; Mar. 18.
- Benner, Raymond C., Bayside, and A. P. Thompson, Jackson Heights, assignors to General Chemical Company, New York, N. Y. Producing elemental sulphur. 1,751,068; Mar. 18.
- Benner, Raymond C., Bayside, and A. P. Thompson, Jackson Heights, assignors to General Chemical Company, New York, N. Y. Recovering sulphur. 1,771,480; July 29.
- Benner, Raymond C., Bayside, and A. P. Thompson, Jackson Heights, assignors to General Chemical Company, New York, N. Y. Recovery of sulphur from gases. 1,771,481; July 29.
- Benner, Raymond C., Niagara Falls, and A. P. Thompson, Jackson Heights, assignors to General Chemical Company, New York, N. Y. Improving the properties of activated bauxite and product thereof. 1,778,517; Oct. 14.
- Bennett, Albert C., Topeka, Kans. Combined dining set and cabinet. 1,748,380; Feb. 25.
- Bennett, Albert E., South Jacksonville, Fla. Lawn sprinkler. 1,779,691; Oct. 28.
- Bennett, Anna Z., San Diego, Calif. Thread holder and cutter. 1,749,691; Mar. 4.
- Bennett, Arthur F., Richmond Hill, and C. E. Mitchell, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,762,139; June 10.
- Bennett, Ashley C., Minneapolis, Minn. Apparatus for supplying fuel oil to furnaces. 1,783,213; Dec. 2.
- Bennett, Bartlett R., Mineola, N. Y. Radiator-shutter-control structure. 1,750,618; Mar. 18.
- Bennett, Bert L. (See Glenn, J. H., jr., and Bennett.)
- Bennett Box Co. (See Bennett, Wallace C., assignor.)
- Bennett Box Company. (See Boughton, Willis A., assignor.)
- Bennett, Charles A. (See Allen, G. N., and Bennett.)
- Bennett, Charles B., assignor to Bennett Mills, Incorporated, Philadelphia, Pa. Textile fabric. Des. 82,015; Sept. 16.
- Bennett, Charles E. (See Adsit, C. G., and Bennett.)
- Bennett, Clara, Brooklyn, N. Y. Romper. 1,774,630; Sept. 2.
- Bennett, Clifford, Richmond, New South Wales, Australia. Reversible steam turbine engine. 1,780,458; Nov. 4.
- Bennett, Eddie F., Eastland, Tex. Grounding device. 1,787,351; Dec. 30.
- Bennett, Edgar L., Detroit, Mich. Utility chair. 1,772,980; Aug. 12.
- Bennett, Edson L., Hudson, N. Y. Florist's pick. 1,762,908; June 10.
- Bennett, Frederick E., Shaker Heights, assignor to The National Welders Mfg. & Supply Company, Cleveland, Ohio. Regulating valve. 1,770,192; July 8.
- Bennett, George D., and E. E. Saksa, De Kalb, Ill. Wire-netting machine. 1,744,023; Jan. 14.
- Bennett, George H., Poteau, Okla. Transmission. 1,760,867; June 3.
- Bennett, George L., Cleveland, Ohio. Method or art of and apparatus for making ice. 1,742,194; Jan. 7.
- Bennett, Incorporated. (See Brown, George A., assignor.)
- Bennett, Incorporated. (See Clapp, Albert L., assignor.)
- Bennett, Inslee A., Pittsburgh, Pa., assignor to National Electric Products Corporation, New York, N. Y. Electric conductor with improved ground wire. 1,747,214; Feb. 18.
- Bennett, Inslee A., Pittsburgh, Pa., assignor to National Electric Products Corporation, New York, N. Y. Electric wiring device and accessory. 1,782,527; Nov. 25.
- Bennett, Irving T. (See Murray, T. E., jr., and Bennett.)
- Bennett, Irving T., assignor to T. E. Murray, deceased, Brooklyn, N. Y.; J. B., T. E., jr., and J. F. Murray, executors. Protection of cuprous metals. 1,746,987; Feb. 11.
- Bennett, J. Ray. (See Elder, Charles W., assignor.)
- Bennett, James F., Dronfield, and J. Hadfield, Sheffield, England. Material for road surfaces and applying same. 1,748,535; Feb. 25.
- Bennett, James G., Snoqualmie, Wash. Pulley block. 1,769,411; July 1.
- Bennett, James G., and H. Ostby, Snoqualmie Falls, Wash. Conveyor chain. 1,748,033; Feb. 18.
- Bennett, John C., et al. (See Haubert, Leo, assignor.)
- Bennett, John P., Witton, Birmingham, England, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,746,237; Feb. 11.
- Bennett Mills, Incorporated. (See Bennett, Charles B., assignor.)
- Bennett, Morris H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Condenser. 1,753,001; Apr. 1.
- Company, Waterbury, Conn. Condenser. 1,753,193; Apr. 8.
- Bennett, Morris H., and W. Colina, Waterbury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn. Variable condenser. 1,759,564; May 20.
- Bennett Pumps Corporation. (See Bennett, Thomas B., assignor.)
- Bennett Pumps Corporation. (See Prescott, Le Roy A., assignor.)
- Bennett, Raymond F., Portland, Me. Method of and apparatus for leveling work. 1,766,323; June 24.
- Bennett, Reginald J., Spokane, Wash. Cooler. 1,751,851; Mar. 25.
- Bennett, Stevens A., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Container. 1,744,712; Jan. 21.
- Bennett, Thomas B., assignor to Bennett Pumps Corporation, Muskegon, Mich. Pneumatic grease pump. 1,764,926; June 17.
- Bennett, Wallace C., Hingham, assignor to Bennett Box Co., Boston, Mass. Sheet material for soft boxes for toes and making same. 1,769,734; July 1.
- Bennett, Walter E., assignor to Clover Leaf Manufacturing Co., Honesdale, Pa. Bobbin pin board or quill board. 1,769,913; July 8.
- Bennetts, John H., Armadale, Victoria, Australia. Fastening the mouths of bags. 1,742,570; Jan. 7.
- Bennison, William E., Wandsworth, England, assignor to R. Hoe & Co., Inc., New York, N. Y. Wiping mechanism for plate-printing machines. 1,774,499; Sept. 2.
- Benning, Cobb, et al. (See Blackwell, Sanford J., assignor.)
- Benninghoff, William G. (See Fownes, W. C., jr., Barton, and Benninghoff.)
- Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Crane. 1,746,882; Feb. 11.
- Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane and Engineering Company, Wickliffe, Ohio. Suspended carrier. 1,759,183; May 20.
- Bennington, Earl T., Cleveland Heights, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Overhead traveling bridge. 1,764,144; June 17.
- Bennion, Leslie H., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Method and apparatus for use in molding shoe parts. 1,742,300; Jan. 7.
- Bennis, Alfred W., Bolton England. Furnace construction. 1,751,188; Mar. 18.
- Benoit, Delor J., Fordson, Mich. Combination door. 1,771,569; July 29.
- Benoit, Leon. (See Coyle, Joseph L., assignor.)
- Benoit, Leon, Chicago, Ill. Egg carton. 1,755,688; Apr. 22.
- Benoit, Léon, Chicago, Ill. Egg carton. 1,768,023; June 24.
- Benoit, Leon, Chicago, Ill. Egg carton. 1,768,024; June 24.
- Benoit, Leon, Chicago, Ill. Lid or closure. 1,786,733; Dec. 30.
- Benoit, Margaret M., Chicago, Ill. Egg-case filler. 1,754,541; Apr. 15.
- Bens, John H., North Attleboro, Mass. Serving dish. 1,754,594; Apr. 15.
- Bens, Samuel J., New York, N. Y., assignor to Chain Saw Corporation. Link for belts or chain saws. 1,779,083; Oct. 21.
- Bensa, Felice. (See Penecke, Walther, assignor.)
- Bensema, Harm H., Gilman, Ill. Reel. 1,783,692; Dec. 2.
- Bensing, Le Rue P., Cleveland, assignor of one half to G. P. Koeliker, Cleveland Heights, Ohio. Electrolytic rectifier. 1,775,417; Sept. 9.

- Bensing, James M., assignor of one-half to A. Howell, Gadsden, Ala. Scoop scale. 1,787,352; Dec. 30.
- Bensmann, Hermann, Bremen, Germany. Regeneration of lubricating oils. 1,787,353; Dec. 30.
- Benson, Adolph H., Michigamme, Mich. Electrical testing instrument. 1,765,479; June 24.
- Benson, Arthur E., Boston, assignor to Draper Corporation, Hopedale, Mass. Shed-diverting means for looms. 1,749,123; Mar. 4.
- Benson, Arthur E., Clarendon, Tex. Cotton harvester. 1,762,045; June 3.
- Benson, Ernst J., Los Angeles, assignor of fifty-one one-hundredths to E. Westberg, Glendale, Calif. Plaster-scoring tool. 1,760,107; May 27.
- Benson, Fred J., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Molding inner tubes. 1,744,438; Jan. 21.
- Benson, Henry P., Salem, Mass. Bleaching textile fibers. 1,773,721; Aug. 26.
- Benson, Walter F., St. Paul, Minn. Desk set. 1,777,741; Oct. 7.
- Benson, Walter F., St. Paul, Minn. Desk set. 1,779,028; Oct. 21.
- Benson, Walter F., St. Paul, Minn. Desk set. 1,783,772; Dec. 2.
- Benson, William E., Wollaston, assignor of one-half to T. M. Prudden, Hingham, Mass. Making multiple wall containers. 1,756,243; Apr. 29.
- Benson, William E., Wilmington, assignor to Kalix Cup Company, Boston, Mass. Waterproof paper receptacle. 1,771,765; July 29.
- Bent, Franklin A., Berkeley, assignor, by mesne assignments, to Contact Filtration Company, San Francisco, Calif. Treating adsorbents. 1,770,166; July 8.
- Bentley, Anson J., Niles, Ohio. Apparatus for use in the manufacture of ice. 1,748,101; Feb. 25.
- Bentley, Anson J., Niles, Ohio. Coupler. 1,755,164; Apr. 22.
- Benton, Frank H., Topeka, Kans. Locomotive valve gear. 1,749,408; Mar. 4.
- Bentley, Garfield, Highland Park, Mich. Floor scrubbing and drying device. 1,759,881; May 27.
- Bentley, Harry T. (See Michael, Loren P., assignor.)
- Bentley, John F., Detroit, Mich. Combination faucet. 1,773,719; Aug. 26.
- Bentley Motors Limited. (See Burgess, F. T., and Sewell, assignors.)
- Bentley, Percival A., Leicester, England. Circular-knitting machine. 1,759,295; May 20.
- Bentley, Percival A., C. F. Manger, and C. H. Wainwright, Leicester, England; said Manger and said Wainwright assignors to said Bentley. Circular-knitting machine. 1,769,662; July 1.
- Bentley, Warren H., assignor of one-half to J. G. Tingle, Miami, Fla. Water cut-off. 1,768,305; June 24.
- Benton, Edward A., and M. Lindner, Altoona, Pa. Piston ring. 1,780,697; Nov. 4.
- Benton, John E., Albia, Iowa. Shaving cup. 1,744,355; Jan. 21.
- Benton, Linn B., Plainfield, assignor to American Type Founders Company, Jersey City, N. J. Angle-body type. 1,776,718; Sept. 23.
- Benton, William E., Los Angeles, Calif. Character mirror. 1,779,655; Oct. 28.
- Bentz, Frank J., et al. (See Wheeler, H. A., Bentz, and Mason.)
- Bentz, L. E., et al. (See Wheeler, H. A., Bentz, and Mason, assignors.)
- Bentz, Maude M., Montclair, N. J. Humidifier and deflector device. 1,764,499; June 17.
- Benwood-Linze Company. (See Wrape, Harold J., assignor.)
- Benzie, Margaret L., New York, N. Y. Corset-steel protector. 1,780,859; Nov. 4.
- Benzing, Friedrich E., Schwenningen-on-the-Neckar, Germany. Gear-shift mechanism for motor vehicles. 1,771,608; July 29.
- Benzol-Verband Gesellschaft mit beschränkter Haftung. (See Gräff, Hellmut, assignor.)
- Berasi, Abele, Freeport, Pa. Mine car. 1,769,939; July 8.
- Berbeck, Train, Baltimore, Md. Safety device for airplanes. 1,763,498; June 10.
- Berbeck, Trian, Baltimore, Md. Portable building. 1,777,028; Sept. 30.
- Berck, Alvin R., Hastings, Nebr. Grinding machine. 1,755,862; Apr. 22.
- Berdon, Albert E., Detroit, assignor to A C Spark Plug Company, Flint, Mich. Liquid-fuel pump. 1,760,856; May 27.
- Berdon, Albert E., Detroit, assignor to A C Spark Plug Company, Flint, Mich. Liquid-fuel pump. 1,762,114; June 3.
- Bereck, Daniel, assignor to J. Balton, Dayton, Ohio. Device for dispensing edible commodities. 1,743,092; Jan. 14.
- Beregkoff, Anatol P., Schenectady, N. Y., assignor to General Electric Company. Switchboard plug. 1,786,329; Dec. 23.
- Berek, Max, assignor to E. Leltz, Optische Werke, Wetzlar, Germany. Polarimetric apparatus. 1,767,831; June 24.
- Berenbruch, Albert. (See von Staden, H. A., Berenbruch, and Höhn.)
- Berendes, Rudolf, and L. Schütz, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Betainethiocyanate. 1,780,860; Nov. 4.
- Beresford, Pierce J. (See Frazier, James W., assignor.)
- Berezowski, John, assignor of one-half to P. Berezowski, Philadelphia, Pa. Clamp. 1,781,997; Nov. 18.
- Berezowski, Peter. (See Berezowski, John, assignor.)
- Berg, Alexander M., assignor to Precision Scientific Company, Chicago, Ill. Automatic cut-off mechanism for electric stills. 1,758,922; May 20.
- Berg, Almer A., Minneapolis, Minn. Device for forming hamburger pats and the like. 1,749,178; Mar. 4.
- Berg, Bengt E., Charlotte, N. C. Hollow metal propeller. 1,764,927; June 17.
- Berg, Charles, New York, N. Y. Motor vehicle. 1,783,995; Dec. 9.
- Berg, Elmer, St. James, Minn. Battery terminal. 1,742,571; Jan. 7.
- Berg, Frederick A., Chicago, Ill. Straddleboard toy air craft. 1,744,860; Jan. 28.
- Berg, Frederick A., Chicago, Ill. Aircraft toy bomber. 1,783,949; Dec. 9.
- Berg, Hans, Grand Rapids, Mich., assignor to Kellogg Switchboard & Supply Co., Chicago, Ill. Radiocabinet. Des. 80,509; Feb. 18.
- Berg, Hans, Grand Rapids, Mich., assignor to Kellogg Switchboard & Supply Co., Chicago, Ill. Cabinet. Des. 82,413; Nov. 4.
- Berg, Hans, Grand Rapids, Mich. Radiocabinet. Des. 82,783; Dec. 16.
- Berg, Hans S., Ventura, Calif. Automatic flow nipple and separator for oil wells. 1,767,958; June 24.
- Berg, Hart O. (See Michel, Gilbert, assignor.)
- Berg, Joseph, Long Island City, N. Y. Insulating block. 1,780,739; Nov. 4.
- Berg, Knute, Spokane, Wash. Chain saw. 1,786,641; Dec. 30.
- Berg, Louis, assignor to A C Spark Plug Company, Flint, Mich. Hair-spring-securing means for instruments. 1,760,857; May 27.
- Berg, Morris F., Los Angeles, Calif. Feeding rack for newspaper-baling machines. 1,770,374; July 15.
- Berg, Oscar W., Somerville, Mass. Making thread-cutting dies. 1,773,471; Aug. 19.
- Berg, Thorvald, Port Angeles, Wash. Log-splitting gun. 1,742,572; Jan. 7.
- Berg, Thorvald, Port Angeles, Wash. Log-splitting gun. 1,742,573; Jan. 7.
- Berg, Wilhelm, Bielefeld, Germany. Jaw chuck for machine tools. 1,766,276; June 24.
- Bergami, Fred. (See Falla, H., and Bergami.)
- Bergan, Julius T., Harmony, Minn. Fence post. 1,770,833; July 15.
- Bergander, Charley W., assignor to Britesun, Incorporated, Chicago, Ill. Electric-arc lamp. 1,775,806; Sept. 16.
- Bergdal, Eyvind, Seattle, Wash. Sawyer's hook. 1,757,610; May 6.
- Berge, Joseph, Montclair, N. J. Thread-protecting closure. 1,771,522; July 29.
- Bergé, Julien, assignor to the Firm Raffinerie Tirlemontoise Societe Anonyme, Tirlemont, Belgium. Centrifugal separation. 1,775,385; Sept. 9.
- Bergé, Julien, assignor to Raffinerie Tirlemontoise Societe Anonyme, Tirlemont, Belgium. Curing masseculite. 1,784,982; Dec. 16.
- Bergeim, Frank H., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Detonator. 1,744,693; Jan. 21.
- Bergeim, Frank H., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting explosive. 1,751,436; Mar. 18.
- Bergeim, Frank H., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Gelatinized explosive and process of manufacture. 1,751,437; Mar. 18.
- Bergeim, Frank H., Leonia, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrated sorbitol. 1,751,438; Mar. 18.
- Bergelson, Isadore, assignor of one-half to M. Rosen, Philadelphia, Pa. Sugar dispenser. 1,752,720; Apr. 1.
- Bergemann, Frederick R., Pueblo, Colo. Screw driver. 1,783,070; Nov. 25.
- Berger Brothers Company. (See Kumpf, August D., assignor.)
- Berger Brothers Company, The. (See Loeffel, Lester H., assignor.)
- Berger, Charles W., Woodcliff, N. J. Combination toothbrush sterilizer, toothbrush and tooth-paste-tube holder. 1,746,815; Feb. 11.
- Berger, Christian. (See Bander, Jacob B., assignor.)
- Berger, Christian, Brooklyn, N. Y., assignor to F. T. Sawyer, trustee. Electric toy motor. 1,771,609; July 29.
- Berger, Emil J., Philadelphia, assignor to Dextdale Hosiery Mills, Lansdale, Pa. Hosiery. Des. 80,304; Jan. 14.
- Berger, Emil J., Hatfield, assignor to Dextdale Hosiery Mills, Lansdale, Pa. Hosiery. Des. 81,828; Aug. 19.
- Berger, Friedrich W. F., Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,744,033; Jan. 21.
- Berger, Friedrich W. F., Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,758,819; May 13.

- Berger, Friedrich W. F., Berlin, Germany assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,701; June 3.
- Berger, George C. (See O'Hagen, A. M., and Berger.)
- Berger, George R., et al. (See Haunz, Charles F., assignor.)
- Berger, George R., et al. (See Levings, Sherburne D., assignor.)
- Berger, Hans, assignor to the Firm Rossel, Schwarz & Co., A. G., Weisbaden, Germany. Massage instrument. 1,768,306; June 24.
- Berger, Isidore S., assignor to S. Berger, New York, N. Y. Belt buckle. 1,779,224; Oct. 21.
- Berger, John A. (See Berger, William F. and J. A.)
- Berger, Joseph, Carson City, Nev. Tire-deflation switch. 1,750,563; Mar. 11.
- Berger, Joseph, Lake View, Nev. Device for removing eggs from fish hatcheries. 1,759,729; May 20.
- Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,763,946; June 17.
- Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Producing sewed articles. 1,768,025; June 24.
- Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,768,026; June 24.
- Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Looper mechanism for sewing machines. 1,768,103; June 24.
- Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,768,104; June 24.
- Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,768,105; June 24.
- Berger, Joseph, Utica, N. Y., and W. M. Hanneman, Oak Park, assignors to Union Special Machine Company, Chicago, Ill. Presser-foot lifter and thread-tension release. 1,758,349; May 13.
- Berger, Joseph E., Bloomfield, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Box or similar article. Des. 80,667; Mar. 11.
- Berger, Knute, Seattle, Wash. Hoisting and hauling carriage for use on elevated trackways. 1,782,528; Nov. 25.
- Berger Manufacturing Company, The. (See French, Shirley S., assignor.)
- Berger Manufacturing Company, The. (See Hutchinson, Harry, assignor.)
- Berger Manufacturing Company, The. (See Moyer, F. H., and Frahm, assignors.)
- Berger Manufacturing Company, The. (See Schmitz, Fred A., assignor.)
- Berger Manufacturing Company, The. (See Schmitz, F. A., and Sturm, assignors.)
- Berger, Oscar H., Birmingham, Ala., assignor to Wm. P. McDonald Construction Company, Flushing, N. Y. Cold bituminous paving composition. 1,776,379; Sept. 23.
- Berger, Oscar H., Birmingham, Ala., assignor to Wm. P. McDonald Construction Company, New York, N. Y. Cold bituminous paving composition. 1,776,763; Sept. 23.
- Berger, Robert, Paterson, N. J. Cigarette case. 1,746,023; Feb. 4.
- Berger, Samuel, Newark, N. J. Mechanical toy. 1,742,844; Jan. 7.
- Berger, Samuel I., Newark, N. J. Traffic-simulating toy. 1,753,282; Apr. 8.
- Berger, Samuel I., Newark, N. J. Mechanically-operated figure toy. 1,770,455; July 15.
- Berger, Samuel I., Newark, N. J. Mechanical toy. 1,771,243; July 22.
- Berger, Solomon. (See Berger, Isidore S., assignor.)
- Berger-Stalder, Oswald, Bern, Switzerland. Waterproof joint for trunk lids and the like. 1,772,981; Aug. 12.
- Berger, Waldemar. (See Hahnenkamm, W., and Berger.)
- Berger, William F. and J. A., Canton, Ohio. Roller bearing. 1,751,189; Mar. 18.
- Bergeron, Joseph L., Quebec, Quebec, Canada. Screen roll. 1,770,834; July 15.
- Bergesen, John, sr., Brooklyn, N. Y. Oscillating engine. 1,756,017; Apr. 29.
- Bergwerksverband zur Verwertung von Schutzrechten der Kohlentechnik Gesellschaft mit beschränkter Haftung. (See Glud, W., and Schönfelder, assignors.)
- Bergfeld, Karl, Berlin, Germany. Coal-carbonizing apparatus for the extraction of bituminous materials. 1,756,969; May 6.
- Berggren, Grant W. (See Berggren, John E. and G. W.)
- Berggren, John E. and G. W., Idaho Falls, Idaho. Fan apparatus. 1,779,084; Oct. 21.
- Bergh, Martha, Los Angeles, Calif. Safety device for aeroplanes. 1,747,215; Feb. 18.
- Bergh, Philip, assignor to Jantzen Knitting Mills, Portland, Oreg. Swimming trunk. Des. 81,124; May 13.
- Bergin, Edmund J. (See Huffam, G. S. C., and Bergin.)
- Berglin, Andrew. (See Howerton, E. C., and Berglin.)
- Berglin, Joel, Niederoderwitz, Germany. Radio control device. 1,771,284; July 22.
- Berglund, Jonas A., and R. Forson, Rockford, Ill. Wind-sill fixture. 1,746,577; Feb. 11.
- Berglund, Otto R. P., Lidings-Brevik, assignor to Aktiebolaget Vacuum-Compressor, Stockholm, Sweden. Tightening means for rotary machines. 1,766,872; June 24.
- Berglund, Otto R., Lidings-Brevik, assignor to Aktiebolaget Vacuum-Compressor, Stockholm, Sweden. Rotary machine. 1,780,109; Oct. 28.
- Bergman, Axel G., New York, N. Y. Vertical-rising airplane. 1,754,977; Apr. 15.
- Bergman, Carl M., Tacoma, Wash. Curtain-adjusting means for automobiles. 1,777,545; Oct. 7.
- Bergman, Harry K., Shillington, Pa., assignor to Hemphill Company, Central Falls, R. I. Mechanism for forming clocked floated-thread hosiery. 1,766,772; June 24.
- Bergman, Jerome E., Buffalo, N. Y. Combination tool. 1,775,270; Sept. 9.
- Bergmann, Christian N., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa. Receptacle-filling apparatus. 1,761,383; June 3.
- Bergmann, Conrad, Philadelphia, assignor to Columbia Steel Equipment Company, Philadelphia, Pa. Follower block. 1,780,861; Nov. 4.
- Bergmann-Elektricitäts-Werke Aktiengesellschaft. (See Pape, Wilhelm, assignor.)
- Bergmann, Friedrich. (See Eisenmann, K., and Bergmann.)
- Bergmann, Max, Dresden, Germany. Depilating hides and skins. 1,765,199; June 17.
- Bergmann Packaging Machine Company. (See Bergmann, Christian N., assignor.)
- Bergmann, Philip, assignor to Columbia Steel Equipment Company, Philadelphia, Pa. Posting tray. 1,760,805; May 27.
- Bergmann, Philip, assignor to Columbia Steel Equipment Company, Philadelphia, Pa. Top for furniture. 1,770,293; July 8.
- Bergmann, Philip, assignor to Columbia Steel Equipment Company, Philadelphia, Pa. Posting tray. 1,783,871; Dec. 2.
- Bergmans, Jan, and U. N. de Wit, Eindhoven, Netherlands, assignor to General Electric Company. Mounting for incandescent lamps. 1,755,096; Apr. 15.
- Bergner, John C., Lansdowne, Pa., assignor to Doughnut Machine Corporation, New York, N. Y. Cooking apparatus. 1,768,737; July 1.
- Bergner, John C., Lansdowne, Pa., assignor to The Barber Asphalt Company, Philadelphia, Pa. Roof covering. 1,771,990; Aug. 5.
- Bergner, John C., Lansdowne, Pa., assignor to Doughnut Machine Corporation, New York, N. Y. Aliment-forming device. 1,775,617; Sept. 9.
- Bergougnoux, Jean B., Los Angeles, Calif. Auxiliary feeding device for internal-combustion engines. 1,756,781; Apr. 29.
- Bergquist, Charles H., assignor of one-half to E. A. Locke, Okmulgee, Okla. Well pump. 1,742,802; Jan. 7.
- Bergquist, Charles H., assignor of one-half to E. A. Locke, Okmulgee, Okla. Portable bit-dressing tool. 1,745,143; Jan. 28.
- Bergquist, Charles H., assignor of one-half to E. A. Locke, Okmulgee, Okla. Counterbalance. 1,785,668; Dec. 16.
- Bergquist, Charles H., assignor of one-half to E. A. Locke, Okmulgee, Okla. Counterbalance. 1,785,669; Dec. 16.
- Bergquist, Charles H., assignor of one-half to E. A. Locke, Okmulgee, Okla. Counterbalance. 1,786,143; Dec. 23.
- Bergquist, Charles H., and R. Battle, Okmulgee, Okla. Fluid meter. 1,781,744; Nov. 18.
- Bergquist, Emil T., Chicago, Ill. Tongs. 1,777,248; Sept. 30.
- Bergren, Charles G. (See Bergren, John A. and C. G.)
- Bergren, John A. and C. G., Lake Park, Minn., assignors to Bergren Manufacturing Company. Potato-cutting machine. 1,784,718; Dec. 9.
- Bergren, Julius, assignor of one-third to I. E. Burt, Minneapolis, Minn. Pail for holding minnows, frogs, and other live bait. 1,773,804; Aug. 26.
- Bergren Manufacturing Company. (See Bergren, John A. and C. G., assignors.)
- Bergstein, Samuel, Middletown, Ohio. Paper box or the like. 1,770,387; July 15.
- Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Making paper boxes or the like. 1,747,887; Feb. 18.
- Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Machine for refolding paper trays or the like. 1,784,571; Dec. 9.
- Bergsten, Frank R., Anoka, Minn. Fertilizer distributor for cultivators. 1,778,622; Oct. 14.
- Bergsten, Ivil M., Champion, Nebr. Protector for livestock. 1,744,034; Jan. 21.
- Bergsten, John, Redondo Beach, Calif. Furniture caster. 1,749,751; Mar. 11.
- Bergsten, John, Hermosa Beach, Calif. Elevator. 1,751,852; Mar. 25.
- Bergstrom, Carl G. G., St. Paul, Minn. Skinning and fattening machine. 1,759,478; May 20.
- Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Mounting for weft detectors. 1,756,581; Apr. 29.
- Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for looms. 1,777,346; Oct. 7.
- Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Yieldable support for bobbin tips. 1,786,692; Dec. 30.
- Bergstrom, Carl P., Millbury, Mass., and C. J. Lindegren, Providence, R. I., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Mounting for loom-picking spindles. 1,766,739; June 24.

- Bergstrom, Gunnar M., McKeesport, Pa. Trolley pole. 1,748,629; Feb. 25.
- Bergvall, Royal C., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,743,096; Jan. 14.
- Bergvall, Royal C., and J. H. Ashbaugh, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Regulator system. 1,746,630; Feb. 11.
- Bergwerksverband zur Verwertung von Schutzrechten der Kohlenteknik, Gesellschaft mit beschränkter Haftung. (See Gluud, W., Schönfelder, and Riese, assignors.)
- Beriau, Oscar A., Quebec, Quebec, Canada. Reflecting lens. 1,769,410; July 1.
- Beriau, Oscar A., Quebec, Quebec, Canada. Method or process of printing. 1,775,384; Sept. 9.
- Berill, Carroll H., New York, N. Y. Windshield wiper. 1,747,284; Feb. 18.
- Berill, Carroll H., New York, N. Y. Windshield wiper. 1,771,703; July 29.
- Berlinger, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Front-wheel-brake joint. 1,746,212; Feb. 4.
- Berlinger, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Pivot joint. 1,749,311; Mar. 4.
- Berk, Roy C. (See McKennon, W. F., and Berk.)
- Berkeley, Laurence J., Cleveland, Ohio, assignor to W. M. Jenkins, trustee, Pittsburgh, Pa. Valve device. 1,786,330; Dec. 23.
- Berkler, Henry W., Storm Lake, Iowa. Disk-harrow assembly and draft hitch. 1,775,842; Sept. 16.
- Berko, Benjamin, and J. Brewer, New York, N. Y. Atomizer. 1,767,911; June 24.
- Berks Engineering Company. (See Rahm, Robert C., assignor.)
- Berkshire Knitting Mills. (See Hemmerich, Hugo, assignor.)
- Berkshire Knitting Mills. (See Ischinger, Alfred E., assignor.)
- Berl, Ernst, Darmstadt, Germany. Treating bodies of highly-porous character. 1,744,735; Jan. 28.
- Berlin Chapman Company. (See Chapman, Frank D., assignor.)
- Berlin, David W., Rasunda, Sweden. Refrigerating apparatus. 1,771,887; July 29.
- Berlin, Harry, Brooklyn, N. Y. Braided waved braid. 1,780,515; Nov. 4.
- Berline, Raoul M., Rueil, France, assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal apparatus. 1,784,510; Dec. 9.
- Berliner, Abraham. (See Berliner, Isidor, A. and S.)
- Berliner, Isidor, A. and S., New York, N. Y. Hair clipper. 1,777,113; Sept. 30.
- Berliner, Robert. (See Trautner, W., Stein, and Berliner.)
- Berliner, Samuel. (See Berliner, Isidor, A., and S.)
- Berlinerblau, Joseph, Warsaw, Poland. Driving spindles in textile-spinning machines. 1,784,719; Dec. 9.
- Berlinger, Jacob, Brooklyn, N. Y. Finger ring or similar article. Des. 82,243; Oct. 14.
- Berlinger, Jacob, Brooklyn, N. Y. Finger ring or similar article. Des. 82,470; Nov. 4.
- Beruzheimer, David T. (See Stein, Raphael, assignor.)
- Berman, Adolph, Jackson Heights, Long Island City, N. Y. Automobile ventilator. 1,780,903; Nov. 11.
- Berman, Harry L., Baltimore, Md. Electric wreath candle. 1,742,893; Jan. 7.
- Berman, Morris, New York, N. Y. Stress-measuring machine. 1,770,907; July 22.
- Berman, Otto N., Forest Hills, N. Y., assignor to Standard Devices, Inc. Cigar lighter. 1,745,470; Feb. 4.
- Berman, Rita, New York, N. Y. Nursery play apparatus. 1,765,361; June 24.
- Berman, Samuel, New York, N. Y. Attachment for chairs. 1,744,736; Jan. 28.
- Bermejo, Lorenzo, and J. Gonzalez, Meadowbrook, W. Va. Belt. 1,774,222; Aug. 26.
- Bern, Harry A., Chicago, Ill. Thermostatic mixing valve. 1,775,807; Sept. 16.
- Bernady, Paul. (See Boucher, M., and Bernady.)
- Bernady, Raoul, Neuilly sur Seine, assignor to Société d'Etudes et de Construction d'appareils de télémeccanique, Seine, France. Auxiliary piloting device chiefly for aircraft. 1,758,592; May 13.
- Bernaerts, Henricus F. J., Zeist, assignor to Naamlooze Vennootschap Technisch- en Handelsbureau Van Vliet en Zonen, Bussum, Netherlands. Shock reducer for vehicles provided with leaf springs. 1,784,128; Dec. 9.
- Bernard, Arthur. (See Reagan, J., and Bernard.)
- Bernard, Arthur F., Providence, R. I. Strap end connecting means. 1,774,468; Aug. 26.
- Bernard, Harold B., assignor to Sinclair Oil and Gas Company, Tulsa, Okla. Recovery of gasoline. 1,743,185; Jan. 14.
- Bernard, Harry, Chambersburg, Pa. Operating musical notes. 1,777,823; Oct. 7.
- Bernard, James T., Danville, Va. Brake. 1,755,909; Apr. 22.
- Bernard, Stephen, Holton, Kans. Hog feeder. 1,772,383; Aug. 5.
- Bernard, Stephen, and W. J. Glenn, Holton, Kansas. Poultry feeder. 1,755,532; Apr. 22.
- Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Hand tool. 1,760,627; May 27.
- Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Wrench. 1,762,324; June 10.
- Bernarde, Henry L., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective winding for transformers. 1,746,629; Feb. 11.
- Bernardin, Alphonse, Santa Monica, Calif. Flagpole-rope tightener. 1,760,337; May 27.
- Bernart, William F. Jr., Pawtucket, R. I., assignor to Pack Shops, Inc., New York, N. Y. Package-ejecting mechanism for vending machines. 1,776,462; Sept. 23.
- Bernasconi, Charles, and R. M. Berthier, Chambéry, France. Magneto-electric pocket lamp. Des. 82,244; Oct. 14.
- Bernat, Raoul, Bordeaux, France. Automatic regulating device. 1,746,184; Feb. 4.
- Bernat, Raoul, Bordeaux, France. Combined condenser and separator. 1,746,185; Feb. 4.
- Berndorfer Metallwarenfabrik Arthur Krupp A. G. (See Grill, Leopold, assignor.)
- Berndt, Walter. (See Nicodemus, O., and Berndt.)
- Berneking, Harry W., Cypress, Ill. Tourist car. 1,771,911; July 29.
- Berner, Leo, South Milwaukee, and P. Lohr, Milwaukee, Wis. Internal-combustion engine. 1,785,176; Dec. 16.
- Berner, Vernon T., Ray, Ariz. Brattice. 1,766,324; June 24.
- Bernero, Floyd W., Memphis, Tenn. Saw-tensioning tool. 1,776,463; Sept. 23.
- Berney, Fred. (See Berney, Harold and F.)
- Berney, Harold and F., Miami, Fla. Box fastener. 1,771,766; July 29.
- Bernfeld, Samuel, assignor to International Footwear Co. Inc., Worcester, Mass. Slipper. Des. 80,718; Mar. 18.
- Bernhard, Annie M., executrix. (See Schrader, Gustave, C. C.)
- Bernhard, Harry I. See Schrader, Gustave, C. C., assignor.)
- Bernhard, Lucian, New York, N. Y. Armchair. Des. 80,597; Mar. 4.
- Bernhard, Lucian, New York, N. Y. Chair. Des. 80,598; Mar. 4.
- Bernhard, Lucian, New York, N. Y. Settee. Des. 80,599; Mar. 4.
- Bernhard, Lucian, New York, N. Y. Sofa. Des. 80,600; Mar. 4.
- Bernhard, Lucian, New York, N. Y. Settee. Des. 80,601; Mar. 4.
- Bernhard, Lucian, New York, N. Y. Upholstered chair. Des. 80,602; Mar. 4.
- Bernhard, Lucian, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand telephone. Des. 81,473.
- Bernhard, Lucian, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. Des. 81,474.
- Bernhard, Lucian, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand telephone. Des. 81,475.
- Bernhard, Lucian, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. Des. 81,680; July 29.
- Bernhard, Lucian, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. Des. 82,414; Nov. 4.
- Bernhard, Richard, assignor to Traylor Engineering & Mfg. Company, Allentown, Pa. Crusher. 1,748,102; Feb. 25.
- Bernhard, Richard, assignor to Traylor Engineering & Mfg. Co., Allentown, Pa. Rotary tube cooler. 1,769,412; July 1.
- Bernhard, Richard, assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Gyrotory crusher. 1,780,459; Nov. 4.
- Bernhardt, Harvey A., Chicago, Ill. Sanitary ash receptacle. Des. 80,356; Jan. 21.
- Bernholtz, Kenneth A., Sylvania, Ohio. Lamp base. Des. 81,081; May 6.
- Bernier, Louis, Ferndale, Mich. Automatic switch control. 1,743,097; Jan. 14.
- Bernier, Marcel, and A. Duriez, Copenaford, F. Duriez, Steene, and H. Schotsmans, Trezennes, France. Industrial process for the treatment of distiller's wash and other by-products and agricultural or industrial residues. 1,747,538; Feb. 18.
- Bernier, Wilfred L., Gardner, assignor of one-half to A. G. Pelletier, Winchendon, Mass. Detachable rubber heel. 1,764,000; June 17.
- Bernini, John, Allentown, Pa. Automatic stop mechanism for looms. 1,776,576; Sept. 23.
- Bernitz Furnace Appliance Company. (See Jefferson, Ernest R., assignor.)
- Bernstein, Arnold, Hamburg, Germany. Apparatus for raising ships' cargoes. 1,748,438; Feb. 25.
- Bernstein, Arnold, Mannheim, assignor to Zellstoff-fabrik Waldhof, Mannheim-Waldhof, Germany. Twisting and reeling artificial silk. 1,771,390; July 29.
- Bernstein, Kurt J., assignor to Marschel Frank Sachs Aktiengesellschaft in Chemnitz, Chemnitz, Germany. Lady's breeches. 1,754,595; Apr. 15.
- Bernstein, Moses K., San Francisco, Calif. Radio clock cabinet. Des. 80,771; Mar. 25.
- Bernstein, Paul, Berlin-Charlottenburg, assignor to the Firm Chiffriermaschinen Aktiengesellschaft, Berlin, Germany. Electric cipher-writing machine. 1,777,425; Oct. 7.

- Bernstein, Samuel S., Beverly Hills, Calif. Webbed bottom for seats. 1,774,696; Sept. 2.
- Bernz, Otto, Co. Inc. (See Imfeld, Joseph M., assignor.)
- Berr, Frank, Cleveland, Ohio. Bracket. 1,747,462; Feb. 18.
- Berresford, A. W., et al. (See Low, Frank S., assignor.)
- Berrigan, John B. (See Berrigan, John J. and J. B.)
- Berrigan, John J., deceased, and J. B., assignors of one-third to K. P. Malon, Milwaukee, Wis., said J. B. Berrigan, administrator of the estate of said John J. Berrigan. Drying apparatus and process of drying. 1,770,727; July 15.
- Berrisford, William H., Stoke-on-Trent, England, assignor to Lockwood's Clean Coal Process Limited, London, England. Apparatus for separating coal from dirt and like foreign substances. 1,780,965; Nov. 11.
- Berry, Anna. (See Siemsen, Jurgen, assignor.)
- Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Steam joint. 1,769,905; July 1.
- Berry, Edward C., Melrose, assignor to Chilton Pen Company, Boston, Mass. Fountain pen. 1,755,586; Apr. 22.
- Berry, Edwin D., Palmerston North, New Zealand. Apparatus for use in coating cheeses with paraffin wax or the like and in other analogous operations. 1,762,909; June 10.
- Berry, Francois J. B., Lille, Nord, France. Boring machine. 1,765,296; June 17.
- Berry, Frank D. (See Funk, Nelson E., assignor.)
- Berry, George W., Wolfboro, N. H. Drill operating holder. 1,765,362; June 24.
- Berry, Herbert H., London, England. Electric fire or radiator. 1,768,284; June 24.
- Berry, Hiram N., assignor to Cotton Harvester Corporation of America, Greenville, Miss. Cotton picker. 1,742,493; Jan. 7.
- Berry, Hiram N., assignor to Cotton Harvester Corporation of America, Greenville, Miss. Cotton picker. 1,747,566; Feb. 18.
- Berry, Hiram N., Greenville, Miss., assignor to Cotton Harvester Corporation of America, Wilmington, Del. Cotton picker. 1,747,567; Feb. 18.
- Berry, Hiram N., assignor to Cotton Harvester Corporation of America, Greenville, Miss. Cotton picker. 1,750,034; Mar. 11.
- Berry, Hiram N., assignor to Cotton Harvester Corporation of America, Greenville, Miss. Cotton picker. 1,750,952; Mar. 18.
- Berry, Hiram N., assignor to Cotton Harvester Corporation of America, Greenville, Miss. Cotton picker. 1,759,086; May 20.
- Berry, James M., Detroit, Mich. Electric-wire casing. 1,746,299; Feb. 11.
- Berry, James M., Detroit, Mich. Electric wire casing. 1,784,217; Dec. 9.
- Berry, John F., Lewis, Iowa. Auxiliary sustaining means for airplanes. 1,763,454; June 10.
- Berry, Levi H., Joplin, Mo. Gas-heating manifold. 1,784,924; Dec. 16.
- Berry, Upton C., Lincoln, Nebr. Baseball player's mitt or glove. 1,767,115; June 24.
- Berry, William, assignor to Joseph Bancroft & Sons Co., Wilmington, Del. Apparatus for cutting textile materials. 1,768,736; July 1.
- Berry, William E., and M. Vukovich, Columbus, Ohio. Mail bag for aircraft. 1,744,719; Jan. 28.
- Bersin, Madeleine, Colonia del Valle, Mexico. Swaddling cloth. 1,756,508; Apr. 29.
- Bersted, Alfred and M., Chicago, Ill. Electric cooking appliance. 1,759,431; May 20.
- Bersted, Alfred, and M. Bersted, Chicago, Ill. Balanced cover support. 1,767,730; June 24.
- Bersted, Alfred, and M. Bersted, Chicago, Ill. Balanced cover support. 1,767,731; June 24.
- Bersted, Martin. (See Bersted, Alfred and M.)
- Bersted, Martin C., San Diego, Calif. Electric flatiron. 1,751,124; Mar. 18.
- Bersted, Martin C., San Diego, Calif. Flatiron construction. 1,751,125; Mar. 18.
- Bersted, Martin C., San Diego, Calif. Hose clamp. 1,769,895; July 1.
- Bertell, Paul. (See Weir, J. B., and Bertell, assignors.)
- Bertha, Gertrude, Philadelphia, Pa. Duplex pillow slip. 1,775,061; Sept. 2.
- Berthelémy, Pierre, and H. de Monthy, Paris, France. Alloy. 1,750,700; Mar. 18.
- Bertherman, Sidney J., Chepachet, assignor to L. & B. Jewelry Manufacturing Company, Providence, R. I. Extension device. 1,756,333; Apr. 29.
- Berthier, Jules. (See Baudonnel, V., and Berthier.)
- Berthier, René M. (See Bernasconi, C., and Berthier.)
- Berthold, George H. E., East Orange, assignor to The Rajah Company, Bloomfield, N. J. Spark plug. 1,761,865; June 3.
- Berthold, Hermann, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. B-mercapto-propionic acid anthraquinone dye. 1,760,806; May 27.
- Berthold, Lee F., and W. Loudon, assignors to The Loudon Machinery Company, Fairfield, Iowa. Elevated trackway. 1,757,651; May 6.
- Berthold, Oscar H., New York, N. Y., assignor to American Telephone and Telegraph Company. Harmonic suppressor. 1,773,772; Aug. 26.
- Berthold, Walter. (See Kluge, K., and Berthold.)
- Bertholf, Elwood F. (See Drew, J. H., Bertholf, Dalbey, and Ballard.)
- Berthon, Rodolphe, Neuilly, assignor, by mesne assignments, to Societe Francaise Cinechromatique (Procedes R. Berthon), Paris, France. Apparatus for printing reticulated films. 1,758,137; May 13.
- Berthon, Rodolphe, Neuilly, assignor, by mesne assignments, to Societe Francaise Cinechromatique (Procedes R. Berthon), Paris, France. Reproduction of reticulated films. 1,777,954; Oct. 7.
- Bertleff, Viktor, Zilina, Czechoslovakia. Pickling of metals. 1,757,829; May 6.
- Bertling, Herbert, Berlin-Wilmersdorf, Germany. Artificial lighting having a daylight effect. 1,784,171; Dec. 9.
- Berton, Orval B., Los Angeles, Calif. Latch for paper boxes. 1,765,964; June 24.
- Bertone, Eugene, Stevenson, Md. Flexible shaft. 1,747,693; Feb. 18.
- Bertram, Albert J., Miami, Fla. Apparatus for home flying instructions. 1,773,936; Aug. 26.
- Bertram, Clarence C., assignor to Barco Manufacturing Company, Chicago, Ill. Reversing-gear mechanism. 1,742,946; Jan. 7.
- Bertram, Clarence C., assignor to Barco Manufacturing Company, Chicago, Ill. Reversing-gear mechanism. 1,756,334; Apr. 29.
- Bertram, Jacob P., and I. Sunstrom, Rochester, assignors to Shur-On Standard Optical Company, Inc., Geneva, N. Y. Eyeglass guard. 1,757,036; May 6.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,747,216; Feb. 18.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for operating upon the soles of boots or shoes. 1,747,285; Feb. 18.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and heel drilling machine. 1,748,059; Feb. 25.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-attaching machine. 1,757,163; May 6.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Jig for last-drilling machines. 1,770,022; July 8.
- Bertrand, John N., South Manchester, Conn. Door fastener. 1,775,116; Sept. 9.
- Bertsch, Heinrich, assignor to H. Th. Böhme A. G., Chemnitz, Germany. Obtaining sulphonation products from polymerized fats or oils or the acids thereof. 1,749,463; Mar. 4.
- Bertsch, Johann A. (See Jaeger, A. O., and Bertsch.)
- Bertsche, Ralph, jr., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine starter. 1,753,591; Apr. 8.
- Bertschinger, Charles F., Jamaica, N. Y., assignor to Tide Water Oil Company, Bayonne, N. J. Protected tank entrance. 1,773,295; Aug. 19.
- Bertschinger, Charles F., Jamaica, N. Y., assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Antifraud means for storage tanks. 1,781,534; Nov. 11.
- Berwick, Frederick W. (See Quick, W., Thomas, and Berwick.)
- Berwick, Jo D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rubber or similar material. Des. 82,475; Nov. 11.
- Berwin, Alfred G., New York, N. Y. Combined lady's hand bag for umbrellas and pocketbooks. 1,783,275; Dec. 2.
- Beryllium Corporation of America. (See Cooper, Hugh S., assignor.)
- Besch, Charles A., La Crosse, Wis. Register. 1,754,847; Apr. 15.
- Besch, Charles A., La Crosse, Wis. Humidifier for wall registers. 1,786,331; Dec. 23.
- Bes-Cone Company, The, et al. (See Glassner, Mitchell, assignor.)
- Beseler, Charles, Company. (See Schwanhauser, Walter E., assignor.)
- Bess, Charles, Dunsmuir, Calif. Derailing frog. 1,780,372; Nov. 4.
- Bess, John, El Paso, Tex. Nozzle. 1,768,817; July 1.
- Bess, Gustavus A., Seattle, Wash. Airship. 1,744,257; Jan. 21.
- Bess, Robert H., Long Beach, Calif., assignor to J. E. B. Daniel. Apparatus for flowing deep wells by stages. 1,766,974; June 24.
- Bessant, George M., San Bernardino, Calif. Electromagnetic locomotive bell ringer. 1,762,500; June 10.
- Besse, Carl H., assignor to The National Turnbuckle Derrick Company, Tulsa, Okla. Corner iron for tubular-steel derricks. 1,776,344; Sept. 23.
- Besse, Carl H., assignor to The National Turnbuckle Derrick Company, Tulsa, Okla. Derrick or tower construction. 1,776,345; Sept. 23.
- Bessler Disappearing Stairway Company, The. (See Bessler, Frank E., assignor.)
- Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Movable stairway. 1,749,409; Mar. 4.
- Bessonett, Leland S., San Francisco, Calif., assignor, by mesne assignments, to Standard Oil Company of California. Coupling. 1,750,790; Mar. 18.

- Best, Clarence L., assignor to Caterpillar Tractor Co., San Leandro, Calif. Hoisting and transporting apparatus. 1,763,747; June 17.
- Best Die Casting & Stamping Co. (See Mariani, Frank N., assignor.)
- Best Foods, Inc. (See Hamilton, J. C., Thurman, and Copes, assignors.)
- Best Foods, Inc. (See Schaub, Jacob, assignor.)
- Best, Frank A., Ford, Ontario, Canada, assignor to Backstay Welt Company, Union City, Ind. Window cushion. 1,751,786; Mar. 25.
- Best, Frank E., Seattle, and C. Evensen, Seabold, assignors to Frank E. Best, Inc., Seattle, Wash. Catch plate for knob latches. 1,760,394; May 27.
- Best, Frank E., Inc. (See Best, F. E., and Evensen, assignors.)
- Best, Fred H. (See Clark, A. B., and Best.)
- Best, Fred H., Westfield, N. J., assignor to American Telephone and Telegraph Company. Transmission-measuring system. 1,746,239; Feb. 11.
- Best, Fred H., Westfield, N. J., assignor to American Telephone and Telegraph Company. Meter. 1,753,230; Apr. 8.
- Best, Fred H., Westfield, N. J., assignor to American Telephone and Telegraph Company. Meter for transmission testing. 1,753,231; Apr. 8.
- Best, Harry S., assignor to John H. Best & Sons, Galva, Ill. Joint for costumers and other articles. 1,763,748; June 17.
- Best, John H., & Sons. (See Best, Harry S., assignor.)
- Best, Julius F. (See Bicknell, F. A., and Best.)
- Best, Robert D., Birmingham, England. Imitation solid-fuel fire, advertising sign, and the like. 1,775,885; Sept. 16.
- Bestmeyer, Adolf, Frankfurt-on-the-Main, assignor to Hartmann & Braun Aktiengesellschaft, Frankfurt (Main), West, Germany. Optical pyrometer. 1,762,380; June 10.
- Bester, Leonard R., Long Island City, N. Y. Locomotive power plant. 1,780,516; Nov. 4.
- Beswick, David, Brooklyn, N. Y. Control mechanism for sewing machines. 1,752,142; Mar. 25.
- Betancourt, Gilbert, assignor to Aircraft Development Corporation, Detroit, Mich. Airship terminal. 1,753,592; Apr. 8.
- Betancourt, Miguel, Bronx, N. Y. Bit gauge and positioning or leveling attachment. 1,782,284; Nov. 18.
- Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Railway drive mechanism. 1,743,098; Jan. 14.
- Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible gear wheel. 1,751,228; Mar. 18.
- Bethell, George M., Melbourne, Australia. Ticket printing and issuing machine. 1,745,242; Jan. 28.
- Bethenod, Joseph, Paris, France. Ignition on combustion engines. 1,745,830; Feb. 4.
- Bethenod, Joseph, Paris, France. Electrical signaling system. 1,763,947; June 17.
- Bethenod, Joseph, Paris, France. Heating arrangement for cathodes of vacuum tubes. 1,771,704; July 29.
- Bethenod, Joseph, Paris, France. Antenna. 1,781,046; Nov. 11.
- Bethenod, Joseph, Paris, France. Compensating system for amplifiers. 1,783,557; Dec. 2.
- Bethenod, Joseph, and E. Girardeau, Paris, France. High-frequency alternator. 1,744,609; Jan. 21.
- Bethenod, Joseph F. J., and A. Jonet, Paris, France. Gear mechanism for driving train-lighting generators. 1,767,648; June 24.
- Bethke, Gustave A. (See Jezek, Anton, assignor.)
- Bethke, Leo, assignor to Miller Manufacturing Company, Bainbridge, Ga. Metal belt conveyer. 1,757,652; May 6.
- Bethlehem Foundry & Machine Company. (See Dimler, Ernest H., assignor.)
- Bethlehem Steel Company. (See Bigge, H. C., and Paris, assignors.)
- Bethlehem Steel Company. (See Brookes, Joseph, assignor.)
- Bethlehem Steel Company. (See Coffey, J. J., and Nordstrom, assignors.)
- Bethlehem Steel Company. (See Dougherty, Robert S. A., assignor.)
- Bethlehem Steel Company. (See Ely, Harold M., assignor.)
- Bethlehem Steel Company. (See Fosdick, Alexander H., assignor.)
- Bethlehem Steel Company. (See Froelich, Clarence H., assignor.)
- Bethlehem Steel Company. (See Gillispie, Raymond L., assignor.)
- Bethlehem Steel Company. (See Hoffman, Philip J., assignor.)
- Bethlehem Steel Company. (See Kennedy, John J., assignor.)
- Bethlehem Steel Company. (See Keller, Albert T., assignor.)
- Bethlehem Steel Company. (See Kichline, Frank O., assignor.)
- Bethlehem Steel Company. (See Kinney, James A., assignor.)
- Bethlehem Steel Company. (See Lewis, R. A., and Sylvester, assignors.)
- Bethlehem Steel Company. (See McGrew, John A., assignor.)
- Bethlehem Steel Company. (See Miller, Louis G., assignor.)
- Bethlehem Steel Company. (See Miller, William T., assignor.)
- Bethlehem Steel Company. (See Nieman, Henry W., assignor.)
- Bethlehem Steel Company. (See Paris, Percy, assignor.)
- Bethlehem Steel Company. (See Reed, John C., assignor.)
- Bethlehem Steel Company. (See Ring, F. G., and Paris, assignors.)
- Bethlehem Steel Company. (See Schenck, Charles, assignor.)
- Bethlehem Steel Company. (See Shankland, Archibald D., assignor.)
- Bethlehem Steel Company. (See Stevens, Richard H., assignor.)
- Bethlehem Steel Company. (See Underwood, C. E., and Beatty, assignors.)
- Bethlehem Steel Company. (See Wilder, Ralph E., assignor.)
- Bethmann, Gustav, and O. Muthig, Jasenitz, near Stettin, assignors to the firm Feldmühle, Papier- und Zellstoffwerke Aktiengesellschaft, Scholwin, near Stettin, Germany. Apparatus for the treatment of a viscose film. 1,758,593; May 13.
- Bettag, Frank A., Mitchell, S. Dak. Attachment for automobiles and the like. 1,744,154; Jan. 21.
- Bettendorf Company, The. (See Clasen, Claus J. W., assignor.)
- Bettendorf, Joseph W., Bettendorf, Iowa. Making steel castings in permanent molds. 1,746,300; Feb. 11.
- Bettendorf, Joseph W., Bettendorf, Iowa. Permanent mold. 1,746,301; Feb. 11.
- Bettendorf, Joseph W., Bettendorf, Iowa. Car-truck side frame. 1,750,344; Mar. 11.
- Better Packages, Inc. (See Sutherland, Daniel M., Jr., assignor.)
- Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Manufacturing white zinc chloride. 1,747,751; Feb. 18.
- Bettes, George W., Sparta, Mich. Road marker. 1,753,593; Apr. 8.
- Bettex, William L., and C. L. Brenner, Idalia, Colo. Bean harvester. 1,758,555; May 13.
- Bettin, Emma A. (See Bettin, John A., assignor.)
- Bettin, John A., assignor to E. A. Bettin, Los Angeles, Calif. Conveyer. 1,766,052; June 24.
- Bettis, William L., Los Angeles, Calif. Piston construction. 1,770,123; July 8.
- Bettison, Percy R., assignor to American Hair & Felt Company, Chicago, Ill. Making carpet cushions. 1,742,338; Jan. 7.
- Betts, Arthur L., and P. S. Shield, assignors to A. Davis, Jr., Cincinnati, Ohio. Tank valve. 1,758,644; May 13.
- Betts, Arthur L., deceased, and P. S. Shield; M. T. Betts, administratrix; said M. T. Betts assignor to A. Davis, Jr., Cincinnati, Ohio. Tank valve. 1,758,645; May 13.
- Betts, Benjamin B. (See Miller, H., and Betts.)
- Betts, John D., Chicago, Ill. Water heater. 1,761,172; June 3.
- Betts, Mary T., administratrix. (See Betts, A. L., and Shield.)
- Betts, Philander H., Belmar, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating system. 1,765,396; June 24.
- Betts, Philander H., Belmar, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric wave transmission system. 1,784,957; Dec. 16.
- Betts, William B., Johnson City, N. Y. Recording and billing attachment for meters. 1,742,377; Jan. 7.
- Betz, Arthur B. (See Barker, Percy E., assignor.)
- Betz, Frank S., Company. (See Walter, J., and Allen, assignors.)
- Betz, Frank S., Company. (See Walter, Joseph, assignor.)
- Betz, Harry D., Kansas City, Mo. Housing of air-cooling unit. Des. 80,763; Mar. 18.
- Betz, William G., Hammond, Ind. Piano. 1,769,284; July 1.
- Betzner, Cecil C., Bronson, Iowa. Sterilizing container for barbers. 1,786,594; Dec. 30.
- Betzler, Paul, Jackson, N. Y. Interlocking-unit construction. 1,757,763; May 6.
- Beucler, Conde A., Medford, Oreg. Fruit-gathering device. 1,774,223; Aug. 26.
- Beus, Edmond M. (See Rawlings, Jack V., assignor.)
- Beutel, Werner, assignor of one-half to R. Bohm, Bridgeport, Conn. Safety device for boilers. 1,786,144; Dec. 23.
- Beuttell, Alfred W., Norbury, England. Illuminating device. 1,780,373; Nov. 4.
- Beverly, Orton L., Indianapolis, Ind. Device for preventing safe robberies. 1,764,191; June 17.
- Bevington, Julius J., and E. N. Rosenberg, Toledo, Ohio. Traffic-control and relay system. 1,744,822; Jan. 28.
- Bevins, Ira J., Chicago, Ill. Apparatus for cleaning automotive power plants. 1,754,708; Apr. 15.
- Bevis, Roy G., Portland, Oreg., assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Saw construction. 1,775,361; Sept. 9.
- Bewley, Edson P., Santa Cruz, Calif. Brake-testing machine. 1,785,243; Dec. 16.

- Beyer, Alex A., Torrington, Conn. Card holder. Des. 80,668; Mar. 11.
- Beyer, Alex A., Torrington, Conn. Card holder. Des. 80,669; Mar. 11.
- Beyer, David S., Boston, Mass. Combination cigarette case, lighter, and ash tray. 1,782,026; Nov. 18.
- Beyer, Fred W., Detroit, Mich., assignor to National Stamping Company. Door dovetail. 1,746,849; Feb. 11.
- Beyer, Heinrich, Flensburg, Germany. Liquid pump. 1,782,252; Nov. 18.
- Beyer, Henry L., assignor to Gillinder & Sons, Inc., Philadelphia, Pa. Illuminating globe or similar article. Des. 80,827; Apr. 1.
- Beyer, Herbert G., Baltimore, Md. Musical instrument. 1,750,791; Mar. 18.
- Beyer, Herbert G., Baltimore, Md. Musical instrument. 1,750,792; Mar. 18.
- Beyer, John, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Tank-dome cover and securing means therefor. 1,784,480; Dec. 9.
- Beyermann, Karl, Haida, Kreuzgasse, Czechoslovakia. Device for indicating signals on railway vehicles. 1,768,106; June 24.
- Beyle, Sidney A., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Manufacturing capacitors. 1,766,370; June 24.
- Bezdek, Frank A., San Francisco, Calif., assignor to General Automotive Equipment Company. Device for locking a motor vehicle in gear. 1,764,383; June 17.
- Bezner, Hugo, Crossingersheim, Germany. Shirt collar. 1,781,336; Nov. 18.
- Bezenberger, Fred K. (See Harshaw, W. J., Savage, and Bezenberger.)
- Bhosys, Charles W., New York, N. Y. Apparatus for lighting photographic subjects. 1,747,416; Feb. 18.
- Biagi, Joseph, Chicago, Ill. Airplane cycle. 1,777,781; Oct. 7.
- Bianchi, Charles A., et al. (See Bassett, H. P., and Morrison, assignors.)
- Bianchi, Valentino L. (See Francesconi, E., and Bianchi.)
- Bibb, Carlisle H., and G. S. Mathey, assignors to Johnson & Johnson, New Brunswick, N. J. Producing adhesive tape. 1,776,141; Sept. 16.
- Bibb Manufacturing Company. (See Murphy, Henry J., assignor.)
- Bibby, James, London, England, assignor to The Falk Corporation, Milwaukee, Wis. Machine coupling. 1,763,842; June 17.
- Bickel, John A., Akron, and E. M. Mohrman, Cleveland, Ohio, assignors to Concrete Steel Company, New York, N. Y. Apparatus for assembling fabricated structures. 1,745,471; Feb. 4.
- Bickel, Henry F., Plainfield, N. J., assignor to The New York Air Brake Company. Pump-regulating valve. 1,786,474; Dec. 30.
- Bichele, Charles S., assignor to J. Milhening, Inc., Chicago, Ill. Scarfpin. Des. 82,784; Dec. 16.
- Bichele, Charles C., assignor to J. Milhening, Inc., Chicago, Ill. Scarfpin. Des. 82,785; Dec. 16.
- Bichele, Charles S., assignor to J. Milhening, Inc., Chicago, Ill. Scarfpin. Des. 82,786; Dec. 16.
- Bichele, Charles S., assignor to J. Milhening, Inc., Chicago, Ill. Scarfpin. Des. 82,787; Dec. 16.
- Bichele, Charles S., assignor to J. Milhening, Inc., Chicago, Ill. Scarfpin. Des. 82,788; Dec. 16.
- Bichele, Charles S., assignor to J. Milhening, Inc., Chicago, Ill. Scarfpin. Des. 82,789; Dec. 16.
- Bicheroux, Max, Herzogenrath, near Aix-La-Chapelle, Germany. Grinding and polishing glass plates. 1,778,288; Oct. 14.
- Bickell, William A., Vancouver, British Columbia, Canada. Scow. 1,786,514; Dec. 30.
- Bickett, Le Roy M., assignor to Bickett Rubber Products Corporation, Watertown, Wis. Weather stripping. 1,767,165; June 24.
- Bickett Rubber Products Corporation. (See Bickett, Le Roy M., assignor.)
- Bickford, Daniel P., Edgewood, R.-I. Golf-bag support. 1,769,011; July 1.
- Bicknell, Arthur, et al., representative. (See Degenhardt, W. R., de Fraine, and Bicknell.)
- Bicknell, Frank A., Florence, and J. F. Best, assignors to Puro Sanitary Drinking Fountain Company, Haydenville, Mass. Bubbler tip. 1,774,193; Aug. 26.
- Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,778,931; Oct. 21.
- Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,783,214; Dec. 2.
- Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,784,481; Dec. 9.
- Bicknell, Robert A. W., et al., representative. (See Degenhardt, W. R., de Fraine, and Bicknell.)
- Bicknell, Robert H. (See Degenhardt, W. R., de Fraine, and Bicknell.)
- Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Composition of matter comprising resins and rubber in aqueous dispersion and making the same. 1,762,152; June 10.
- Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Treating aqueously-dispersed colloidal substances. 1,762,153; June 10.
- Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Abrasive composition. 1,764,928; June 17.
- Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Water-resisting adhesive composition of matter. 1,777,157; Sept. 30.
- Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Flexible water-resisting albuminous adhesive composition and making same. 1,777,158; Sept. 30.
- Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Albuminous water-resisting adhesive and making same. 1,777,159; Sept. 30.
- Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Albuminous adhesive composition of matter. 1,777,160; Sept. 30.
- Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Water-resisting adhesive composition of matter. 1,777,161; Sept. 30.
- Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Adhesive water-resisting composition of matter. 1,777,162; Sept. 30.
- Bidwell, William C., and A. M. Kirkwood, Portland, Oreg. Sawmill-carriage dog. 1,774,311; Aug. 26.
- Bie, Ole S., Oslo, Norway. Exhaust silencer for aircraft motors and the like. 1,778,101; Oct. 14.
- Biefeld, Ernest A., assignor to Otto Biefeld Company, Watertown, Wis. Motor-truck snowplow. 1,775,483; Sept. 9.
- Biefeld, Otto, Company. (See Biefeld, Ernest A., assignor.)
- Biehler, Wilhelm. (See Hildebrandt, G., Leube, and Biehler.)
- Bielek, Stanley M., Pittsburgh, Pa. Heating device. 1,751,387; Mar. 18.
- Bielenberg, Claude N., Deer Lodge, Mont. Concentrating machine. 1,781,971; Nov. 18.
- Bienvu, Frank A., Montreal, Quebec, assignor, by mesne assignments, to Catelli Macaroni Products Corporation Limited, Montreal, Canada. Can-heating device. 1,768,560; July 1.
- Bierbichler, Luise, née Schmidt, Inchenhofen, near Alchach, Germany. Baby's sucking bottle. 1,771,838; July 29.
- Bierce, Fred N., Cincinnati, Ohio. Reverse stop for automobiles. 1,764,286; June 17.
- Bierce, Harold E., Los Angeles, Calif. Preparing adsorbent materials. 1,752,721; Apr. 1.
- Bieretz, Edward D., and J. J. Neal, Baltimore, Md. Semi-automatic gear-engaging transmission. 1,772,029; Aug. 5.
- Bierhaaolder, Dirk, assignor to E. M. Bierhaaolder, Minneapolis, Minn. Mold-form construction. 1,784,329; Dec. 9.
- Bierhaaolder, Edna M. (See Bierhaaolder, Dirk, assignor.)
- Biermann, Gottfried, Berlin-Charlottenburg, and C. Niemann, Berlin, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. X-ray device. 1,757,037; May 6.
- Biermanns, Josef, Karlshorst, Germany, assignor to General Electric Company. Electrical-induction apparatus. 1,758,820; May 13.
- Biermanns, Josef, Karlshorst, Germany, assignor to General Electric Company. Circuit protection. 1,783,105; Nov. 25.
- Biersack, Josef. (See Bach, T., and Biersack.)
- Bieser, Carl W., assignor to The Gruen National Watch Case Company, Cincinnati, Ohio. Watchcase bezel or back. 1,779,407; Oct. 28.
- Biestek, Julian M., Chicago, Ill. Toothpick-dispensing apparatus. 1,742,184; Jan. 7.
- Biette, Henry C., Detroit, Mich. Ventilating dome. 1,776,991; Sept. 30.
- Biette, Henry C., Detroit, assignor of twenty per cent to J. S. Langtin, Wyandotte, Mich. Steam cooker. 1,752,584; Apr. 1.
- Biette, Henry C., Detroit, assignor of eleven per cent to John S. Longtin, Wyandotte, fifteen per cent to Ernest C. Schaffer, and fifteen per cent to Patrick S. Carpenter, Detroit, Mich. Stove cabinet. 1,773,341; Aug. 19.
- Bifex Products Company. (See Pancoast, William G., assignor.)
- Bigbee, Carson L., Los Angeles, and J. Couch, San Mateo, Calif. Automobile headlight. 1,754,141; Apr. 8.
- Bigelow, Bryant, Boston, Mass. Automatic drink-vending machine. 1,779,839; Oct. 28.
- Bigelow, Clare G. (See Linn, C. W., Bigelow, and Raiche.)
- Bigelow, Franklin H., Buffalo, N. Y. Score calculating device. 1,768,285; June 24.
- Bigelow-Hartford Carpet Company. (See Stone, Edwin W., assignor.)
- Bigelow, Leon G., St. Paul, Minn. Bag. 1,751,229; Mar. 18.
- Bigelow-Sanford Carpet Co. (See Coyle, Joseph A., assignor.)
- Bigelow-Sanford Carpet Co. (See Cunniff, Edward A., assignor.)
- Bigelow-Sanford Carpet Co. (See Lembke, William, assignor.)
- Bigelow-Sanford Carpet Co. (See Stone, Edwin W., assignor.)
- Bigelow-Sanford Carpet Co. (See Stone, E. W., and Martin, assignors.)

- Bigge, Henry C., and P. G. Paris, Bethlehem, Pa., assignors to Bethlehem Steel Company. Manufacture of steel alloys. 1,770,508; July 15.
- Biggert, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Method and apparatus for tensioning material. 1,776,775; Sept. 30.
- Biggert, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for charging furnaces and the like. 1,782,955; Nov. 25.
- Biggin, Bert E., Columbus, Ohio. Plasterer's ground. 1,777,742; Oct. 7.
- Biggs, George A., assignor to Rodney Hunt Machine Company, Orange, Mass. Turbine-regulating device. 1,782,456; Nov. 25.
- Biggs, George A., assignor to Rodney Hunt Machine Company, Orange, Mass. Link for hydraulic turbines. 1,782,498; Nov. 25.
- Bigler, Harry E. (See Haag, V. W., Bigler, and Haag.)
- Bigney, S. O., & Company. (See Bigney, Sidney O., assignor.)
- Bigney, S. O., & Company. (See Bigney, S. O., and Sandberg, assignors.)
- Bigney, Sidney O., assignor to S. O. Bigney & Company, Attleboro, Mass. Band for personal wear. 1,756,448; Apr. 29.
- Bigney, Sidney O., and N. Sandberg, assignors to S. O. Bigney & Company, Attleboro, Mass. Extension device. 1,746,457; Feb. 11.
- Bigony, Thomas W., Philadelphia, Pa. Grater. 1,785,244; Dec. 16.
- Big Rock Ranch Company. (See Jacobs, Walter T., assignor.)
- Bijur, Joseph, New York, N. Y., assignor, by mesne assignments, to Auto Research Corporation. Trunnion-joint lubrication. 1,744,155; Jan. 21.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Chassis-lubricating installation. 1,746,139; Feb. 4.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication of bearings on pivoted structures. 1,755,626; Apr. 22.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication of bearings on pivoted structures. 1,755,627; Apr. 22.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication of bearings on pivoted structures. 1,755,628; Apr. 22.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Liquid-distributing system. 1,755,629; Apr. 22.
- Bijur, Joseph, New York, N. Y., assignor by mesne assignments to Auto Research Corporation. Trunnion joint and the lubrication thereof and of associated parts. 1,756,335; Apr. 29.
- Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Trunnion joint and the lubrication thereof and of associated parts. 1,756,336; Apr. 29.
- Bijur, Joseph, New York, N. Y., assignor by mesne assignments to Auto Research Corporation. Chassis lubrication. 1,779,205; Oct. 21.
- Bilde, Tord E. D. (See Engberg, A. O., and Bilde.)
- Bilde, Tord E. D., Stockholm, Sweden, assignor to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Surface-treating machine. 1,783,773; Dec. 2.
- Bilderback, Henry S., and I. B. McCullough, Elk City, Okla. Screw-conveyor hanger. 1,777,389; Oct. 7.
- Bildstein, Alfred, Elizabeth, N. J. Perpetual pad. 1,757,287; May 6.
- Bilezikian, Arakel S., et al. (See Strom, Edwin W., assignor.)
- Bilezikian, Paul, et al. (See Strom, Edwin W., assignor.)
- Billham, Philip L., Balham, and J. W. Smith, Barons Court, assignors to J. Lyons and Company, Limited, London, England. Cooling cabinet for ice cream and similar substances. 1,755,147; Apr. 15.
- Billburg, Charles, Detroit, Mich. Automobile trunk. 1,777,390; Oct. 7.
- Billenwillms, Albert L., Augusta, Kans. Tubing-line attachment. 1,750,564; Mar. 11.
- Biller, David J., assignor to Day-Brite Reflector Company, St. Louis, Mo. Electric-lighting fixture. 1,764,999; June 17.
- Billerman, William G., Newark, N. J. Top for percolators. 1,756,449; Apr. 29.
- Billig, Fred W., assignor to The Sparks-Withington Company, Jackson, Mich. Horn projector. 1,777,273; Sept. 30.
- Billig, Kurt. (See Mayer, F., Billig, Horst, and Schirmachen.)
- Billig, Joseph. (See Addy, C. W., Billig, and Halkyard.)
- Billing, Wily M., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Castor-oil soap and process of making castor-oil soap. 1,767,041; June 24.
- Billings, John G. (See Bilsky, Jacob.)
- Billings & Spencer Company, The. (See Talcott, Morton C., assignor.)
- Billings, William W. (See Aungst, Ira A., assignor.)
- Billings, William W. (See Schibler, Joseph, assignor.)
- Billmyer, William S., jr., Moline, Ill. Adjustable semi-socket wrench. 1,760,338; May 27.
- Bills, Albert V., San Diego, Calif. Vehicle direction, warning, and stop signaling apparatus. 1,746,631; Feb. 11.
- Bills, Charles E., assignor to Mead Johnson & Company, Evansville, Ind. Purifying ergosterol. 1,775,548; Sept. 9.
- Billstrom, Nels J. (See Hoogerhyde, James, assignor.)
- Billups, James R., assignor of one-half to W. B. McCormick, Shreveport, La. Railroad tie and fastener for use therewith. 1,747,417; Feb. 18.
- Bilsky, Jacob, Chicago, Ill., now by change of name J. G. Billings. Method and apparatus for utilizing exhaust gases of internal-combustion engines. 1,756,897; Apr. 29.
- Biltmore Ero Manufacturing Company, The. (See Connor, A. W., and Schwartz, assignors.)
- Bilty, Charles H., Milwaukee, Wis. Locomotive fire-door fastener. 1,759,882; May 27.
- Bimel, Frederick B., Westfield, N. J., assignor to Standard Oil Development Company. Process and apparatus for stabilizing crude petroleum. 1,767,341; June 24.
- Binder, Homer P., Wauwatosa, and J. D. Suter, Waukesha, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power system. 1,762,115; June 3.
- Binderup, Jul, Denver, Colo. Force pump. 1,766,010; June 24.
- Bindschedler, Theodore S., assignor to Burroughs Adding Machine Company, Detroit, Mich. Electric switch. 1,773,164; Aug. 19.
- Bindschedler, Theodore S., Detroit, and P. J. Koster, Pleasant Ridge, Mich., assignors to Burroughs Adding Machine Company. Brush holder for dynamos. 1,761,066; June 3.
- Bindschedler, Theodore S., and W. A. Wood, assignors to The Steel Penetrometer Company, Detroit, Mich. Alternating-current generator. 1,786,888; Dec. 30.
- Bines, William H. (See Thomas, J. C., and Bines.)
- Bines, William H., Akron, and W. A. Corlett, Kenmore, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Device for inserting air bags in tires. 1,759,681; May 20.
- Bing, Julius, assignor to the firm Magnet-Werke G. m. b. H., Eisenach Spezialfabrik für Elektromagnet-Apparate, Eisenach, Germany. Magnetic separator. 1,781,998; Nov. 18.
- Bingham-Lorimer Manufacturing Company et al. (See Lorimer, George W., assignor.)
- Bingham, Norman W., et al., executors. (See Densmore, E. D., and Le Clear.)
- Bingham, Randolph V., Portland, Oreg. Pump. 1,766,591; June 24.
- Binton, Robert E. L., Van Alstyne, assignor of one-half to M. G. Davis, Trenton, Tex. Cane-stripping machine. 1,744,737; Jan. 28.
- Binks, Harry D., Oak Park, assignor, by mesne assignments, to Binks Manufacturing Company, Chicago, Ill. Flat-spraying appliance. 1,751,787; Mar. 25.
- Binks Manufacturing Company. (See Binks, Harry D., assignor.)
- Binks Manufacturing Company. (See Kranz, Chester R., assignor.)
- Binmore, George B. (See McGavack, J., and Binmore.)
- Binmore, Thomas V. (See Gibbons, W. A., and Binmore.)
- Binney, Eric A., San Diego, Calif. Current-collecting mechanism. 1,757,611; May 6.
- Binnier, Frederick, and G. E. Underwood, Royal Oak, Mich. Incense burner. Des. 81,224; May 27.
- Binns, Arthur. (See Sykes, C. M., and Binns.)
- Binns, Edward H., Pittsburgh, Pa. Flexible closure. 1,776,142; Sept. 16.
- Binns, George W., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Truing mechanism. 1,753,682; Apr. 8.
- Binns, George W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,773,937; Aug. 26.
- Binns, George W., Cincinnati, and W. D. Archea, Norwood, assignors, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinding machinery. 1,757,612; May 6.
- Binocular Stereoscopic Film Company. (See Fairall, Harry K., assignor.)
- Binsack, Frank J., et al. (See Pavelsky, Thomas R., assignor.)
- Binswanger, Richard M., East Orange, N. J., assignor to Kops Bros. Inc., New York, N. Y. Apparel garment. 1,770,477; July 15.
- Binte, Hans, Berlin-Spandau, and W. Pipkorn, assignors to Bamag-Meguini Aktiengesellschaft, Berlin, Germany. Screening plant. 1,769,413; July 1.
- Binz, Matilde, Sarasota, Fla. Hair puller. 1,743,590; Jan. 14.
- Birbaum, Joseph, assignor to Milwaukee Stamping Company, West Allis, Wis. Handle-connecting trim member. 1,775,843; Sept. 16.
- Birch, Albert, Belmont, Mass. Cloth-handling machine. 1,748,275; Feb. 25.
- Birch, Charles H., Joliet, Ill. Apparatus for comminuting materials. 1,762,381; June 10.
- Birch, Leland W., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,766,873; June 24.
- Birch, Leland W., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,766,874; June 24.
- Birch, William M., assignor to Mid-States Steel & Wire Co., Crawfordsville, Ind. Wireworking machine. 1,780,374; Nov. 4.

- Birchall, Henry, New York, N. Y. Multiple-plug receptacle. 1,752,225; Mar. 25.
- Bircher, Charles E., Hedrick, Iowa. Poultry feeder. 1,751,388; Mar. 18.
- Birch-Field, Charles A., Larchmont, N. Y. Electric apparatus. 1,745,974; Feb. 4.
- Birchfield Engineering Company, The. (See Chisholm, Douglas W., assignor.)
- Birchfield, Robert W., assignor to Heggie Simplex Boiler Company, Joliet, Ill. Boiler. 1,767,235; June 24.
- Birchfield, Roy R., Holly Ridge, assignor of one-half to I. F. Cryer, Bossier Parish, La. Rail-sanding device and cleaner therefor. 1,758,821; May 13.
- Bird, Alan L. (See Burney, C. D., and Bird.)
- Bird, Clarence P. (See Andersen, F. C., and Bird.)
- Bird, Clarence P. (See Peterson, H. F., and Bird.)
- Bird, Lester F. (See Anderson, W. T., jr., and Bird.)
- Bird, Lester F. (See Robinson, F. W., and Bird.)
- Bird, Lester F., Schenectady, N. Y., assignor to General Electric Company. Remote-control switching system. 1,783,900; Dec. 2.
- Bird & Son, Inc. (See Mann, Harry N., assignor.)
- Bird, William W., San Diego, Calif. Airplane. 1,749,272; Mar. 4.
- Birdsall, Albert L., assignor to Keeler Brass Company, Grand Rapids, Mich. Knob for furniture. 1,759,087; May 20.
- Birdsall, Albert L., assignor to Keeler Brass Company, Grand Rapids, Mich. Locking latch. 1,776,881; Sept. 30.
- Birdsall, James E. (See Varnum, A. C., and Birdsall.)
- Birdsall, Wilfred T., Montclair, N. J. Separating apparatus and method. 1,747,155; Feb. 18.
- Birdsall, Wilfred T., Montclair, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projector. 1,769,050; July 1.
- Birdsboro Steel Foundry & Machine Company. (See Martin, Mark H., assignor.)
- Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Preparing consumer packages. 1,759,682; May 20.
- Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Preparing food products. 1,773,079; Aug. 12.
- Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Animal food product. 1,773,080; Aug. 12.
- Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Refrigerating apparatus. 1,773,081; Aug. 12.
- Birdseye, Clarence, Gloucester, Mass., assignor to Frosted Foods Company, Inc., Dover, Del. Packaging fruit juices. 1,775,549; Sept. 9.
- Birdsong, James A., and J. L. Showers, Vernon, Tex. Combination vegetable cooler and display stand. 1,778,141; Oct. 14.
- Birdsong, John W., assignor of one-half to N. S. Williamson and W. L. Clayton, Meridian, Miss. Pneumatic hammer attachment. 1,758,822; May 13.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Sprayer. 1,744,861; Jan. 28.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Slack puller. 1,765,397; June 24.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Sprayer. 1,765,398; June 24.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Switch. 1,765,399; June 24.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Coating apparatus. 1,765,522; June 24.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Paint gun. 1,766,503; June 24.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Slack puller. 1,766,504; June 24.
- Birket, William E., Peoria, Ill. Signaling mechanism. 1,760,807; May 27.
- Birkholz, Hans E., Chicago, Ill., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Air filter. 1,747,694; Feb. 18.
- Birkholz, Hans E., Chicago, Ill., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Filtration medium. 1,758,881; May 13.
- Birkholz, Hans E., Chicago, Ill., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Automatic resistance-controlled air and gas filter. 1,783,181; Dec. 2.
- Birkigt, Marc, Bois-Colombes, France. Safety heating device. 1,772,384; Aug. 5.
- Birmann, Rudolph, assignor to De Laval Steam Turbine Company, Trenton, N. J. Hydraulic relay governor. 1,748,326; Feb. 25.
- Birmann, Rudolph, assignor to De Laval Steam Turbine Company, Trenton, N. J. Hydraulic relay governor. 1,748,506; Feb. 25.
- Birmingham, Earl B., et al. (See Carr, C. W., and Tripp, assignors.)
- Birmingham Electric Furnaces Limited. (See Loble, Alfred G., assignor.)
- Birmingham, Raymond A. (See Umholtz, R. B., and Birmingham.)
- Birnbaum, Henry, Shelton, Wash. Blowtorch. 1,780,152; Nov. 4.
- Birnie, John, jr., Birnie, Manitoba, Canada. Pump siphon. 1,744,738; Jan. 28.
- Biron, Athanase, Montreal, Quebec, Canada. Signal switch for dispensing apparatus. 1,783,106; Nov. 25.
- Biron, Joseph, Maillardville, British Columbia, Canada. Window-sash adjuster. 1,742,803; Jan. 7.
- Birrer, John B., Alhambra, Calif. Sole stitcher. 1,752,722; Apr. 1.
- Bisbee, Frederick C., Elizabeth, N. J., assignor to American Telephone and Telegraph Company. Meter. 1,749,015; Mar. 4.
- Biscayne Trust Company et al., executors. (See Gold, Egbert, H., assignor.)
- Biscayne Trust Company et al., executors. (See Gold, E. H., and Russell.)
- Bischman, Louis A. (See Baumgarten, A. W., and Bischman.)
- Bischof, Bernhard, Geneva, assignor of one-half to C. Haccius, Cologny-Geneva, Switzerland. Pump and motor unit for refrigerating machines. 1,755,910; Apr. 22.
- Bischof, Bernhard, Winterthur, assignor of one-half to C. Haccius, Cologny-Geneva, Switzerland. Air compressor. 1,786,595; Dec. 30.
- Bischof, Ulrich, Aarau, Switzerland. Removing warp threads from the lease in warp-thread tying and like weaving machinery. 1,778,480; Oct. 14.
- Bischof, Ulrich, Aarau, Switzerland. Machine for knotting warps. 1,782,162; Nov. 18.
- Bisek, Adolph J., Lowry, Minn. End-gate lock. 1,768,659; July 1.
- Bishinger, Robert, Allison Park, Ross Township, Allegheny County, Pa. Hair-drying device. 1,751,573; Mar. 25.
- Bishman, Walter A., Minneapolis, Minn. Storage-battery carrier. 1,752,143; Mar. 25.
- Bishop & Babcock Company, The. (See Scharer, Arnold O., assignor.)
- Bishop & Babcock Manufacturing Company, The. (See Levy, Edward J., assignor.)
- Bishop, Benjamin S. T. (See Gifford, A. J., and Bishop.)
- Bishop, Benjamin S. T., Shrewsbury, and H. A. Jacobson, Worcester, Mass., assignor to Leland-Gifford Company. Spindle feed for tapping machines. 1,747,418; Feb. 18.
- Bishop Company, The. (See Bishop, Frederick R., assignor.)
- Bishop, Edward B., Haverhill, Mass. Stocking protector. 1,754,666; Apr. 15.
- Bishop, Frederick R., assignor to The Bishop Company, North Attleboro, Mass. Ophthalmic mounting. 1,761,252; June 3.
- Bishop, Frederick R., assignor to The Bishop Company, North Attleboro, Mass. Ophthalmic mounting and making the same. 1,765,123; June 17.
- Bishop, George C., Garden City, N. Y. Metal door. 1,748,103; Feb. 25.
- Bishop, George C., Garden City, N. Y. Metal door. 1,748,167; Feb. 25.
- Bishop, George O., Salt Lake City, Utah. Fan. 1,755,863; Apr. 22.
- Bishop, Harry G., Fort Hoyle, Md. Hanger for towels, ties, and similar articles. 1,760,339; May 27.
- Bishop, John, assignor of one-half to G. G. Osborn, Long Beach, and one-half to T. A. Ponting, Newport Beach, Calif. Drill-bit agitator. 1,745,351; Feb. 4.
- Bishop, John R., Charlottesville, Va. Band-saw guide. 1,760,577; May 27.
- Bishop, Joseph T., and R. W. Christy, Toledo, Ohio. Cranking device. 1,758,138; May 13.
- Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Motor. 1,750,920; Mar. 18.
- Bishop, Joseph W., Muskegon Heights, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Hinge for toilet seats. 1,758,923; May 20.
- Bishop, Joseph W., Muskegon Heights, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin. 1,770,388; July 15.
- Bishop, Joseph W., Muskegon Heights, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Toilet seat. 1,784,619; Dec. 9.
- Bishop, Lucius L., Chicago, Ill. Motor vehicle. 1,760,108; May 27.
- Bishop, Nathaniel, Bridgeport, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radioreceiver. 1,768,286; June 24.
- Bishop, Theodore N., Millvale, Pa. Lock nut. 1,743,262; Jan. 14.
- Bishop, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacturing loaded conductors. 1,773,938; Aug. 26.
- Bishton, Robert R., Herkimer, N. Y. Resilient wheel. 1,767,572; June 24.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Automatic variable timing switch. 1,745,975; Feb. 4.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Low-voltage release mechanism for switches. 1,756,479; Apr. 29.
- Bissell Carpet Sweeper Company. (See Owen, Ira J., assignor.)
- Bissell Carpet Sweeper Company. (See Pullen, Fred W., assignor.)

- Bissell, Don W., and F. H. Kranz, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Chlorination of 3-hydroxy benzaldehyde. 1,776,803; Sept. 30.
- Bissell, Genevieve, administratrix. (See Bissell, Richard E.)
- Bissell, Richard E. (See Miller, C. W., and Bissell.)
- Bissell, Richard E. (See Spire, W. H., and Bissell.)
- Bissell, Richard E. (See Thompson, C. E., and Bissell.)
- Bissell, Richard E., Cleveland Heights, assignor to Thompson Products Inc., Cleveland, Ohio. Heat treatment. 1,759,603; May 20.
- Bissell, Richard E., Cleveland Heights, Ohio, assignor to Thompson Products, Inc. Alloy steel and making the same. 1,761,866; June 3.
- Bissell, Richard E., Cleveland Heights, assignor to Thompson Products Inc., Cleveland, Ohio. Poppet valve. 1,763,340; June 10.
- Bissell, Richard E., Cleveland Heights, assignor to Thompson Products Inc., Cleveland, Ohio. Poppet valve. 1,775,844; Sept. 16.
- Bissell, Richard E., Cleveland Heights, assignor to Thompson Products Inc., Cleveland, Ohio. Poppet valve. 1,775,845; Sept. 16.
- Bissell, Richard E., deceased, Cleveland, Ohio, by G. Bissell, administratrix, Lansing, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Cooling-capsule-filled valve. 1,786,285; Dec. 23.
- Bissell, Richard E., Cleveland, Ohio, assignor to Thompson Products, Inc. Valve with removable ring-seating surface. 1,786,596; Dec. 30.
- Bissell, Richard E., and C. W. Miller, assignors to Thompson Products, Inc., Cleveland, Ohio. Making composite metal articles. 1,745,886; Feb. 4.
- Bissell, Robert W., assignor to Kerotest Manufacturing Company, Pittsburgh, Pa. Method of and apparatus for machining valves, etc. 1,745,524; Feb. 4.
- Bissell, Robert W., assignor to Kerotest Manufacturing Company, Pittsburgh, Pa. Apparatus for machining valves, etc. 1,745,525; Feb. 4.
- Bissiri, Adriano A., Los Angeles, Calif. Toy. 1,771,991; Aug. 5.
- Bissiri, Augusto, Los Angeles, Calif. Dial cleaner for automatic telephones. 1,743,312; Jan. 14.
- Biszzantz, Fred, assignor to The Central Ohio Steel Products Company, Galion, Ohio. Lifting mechanism for dump bodies. 1,760,808; May 27.
- Bitchman, Oscar, Habana, Cuba. Spark-plug mounting. 1,766,740; June 24.
- Bitgood, Frederick S., San Francisco, Calif. Portable fuel-burner construction. 1,744,439; Jan. 21.
- Bitgood, Frederick S., San Francisco, Calif. Burner. 1,751,722; Mar. 25.
- Bitner, John S., assignor to Wayne Novelty and Publishing Company, Fort Wayne, Ind. Flagstaff holder. 1,785,509; Dec. 16.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Anchor insert for concrete work. 1,764,772; June 17.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,764,773; June 17.
- Bittel, Otto. (See Schank, A., and Bittel.)
- Bittinger, Charles, Brookline, Mass. Ordnance. 1,769,012; July 1.
- Bittinger, Charles, Brookline, Mass. Rear-view mirror. 1,781,999; Nov. 18.
- Bittner, Joseph E., Yakima, Wash. Hydraulic change-speed transmission. 1,765,751; June 24.
- Bittorf, Louis A., assignor to National Manufacturing Company, Sterling, Ill. Sliding-door structure. 1,777,136; Sept. 30.
- Bitucrete Limited. (See van Westrum, Leonard S., assignor.)
- Bitzenburger, Frank C., Los Angeles, Calif. Yieldable back support for seats. 1,744,258; Jan. 21.
- Bitzenburger, Frank C., Los Angeles, Calif. Yieldable back support for seats. 1,767,042; June 24.
- Bitzer, Gottlob. (See Meyer, C. F., and Bitzer.)
- Bitzer, Gottlob, assignor to Textile Machine Works, Wyomissing, Pa. Automatic stop-control mechanism. 1,779,999; Oct. 28.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 82,129; Sept. 30.
- Biva, Lucien, Brooklyn, N. Y., assignor, Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 82,304; Oct. 21.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 82,305; Oct. 21.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 82,306; Oct. 21.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 82,307; Oct. 21.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 82,308; Oct. 21.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 82,476; Nov. 11.
- Bivins, Chalfant E., Brooklyn, N. Y. Ink. 1,787,233; Dec. 30.
- Bixby, Walter. (See Hathaway, E. F., and Bixby.)
- Bixby, Walter, assignor to Shawmut Engineering Company, Boston, Mass. Yarn spool for tube frames and the like. 1,760,809; May 27.
- Bixler, L. B. Henry, and W. L., Fresno, Calif. Automatic dump for carrier systems. 1,761,188; June 3.
- Bixler, William L. (See Bixler, L. B. Henry, and W. L.)
- Bizzarri, Anthony, New York, N. Y. Independently-mounted vehicle wheel. 1,760,109; May 27.
- Bizzarri, Anthony, New York, N. Y. Oil pump. 1,782,803; Nov. 18.
- Bjerre, Siliam, Skive, Denmark. Quern. 1,745,840; Feb. 4.
- Bjerregaard, August P., Okmulgee, Okla., assignor to Doherty Research Company, New York, N. Y. Treating gasoline and the product thereof. 1,761,810; June 3.
- Bjerregaard, James A., Forest Hills, assignor to Doherty Research Company, New York, N. Y. Condenser arrangement. 1,769,671; July 1.
- Bjorge, Guy N., et al. (See von Senden, Boyd V., assignor.)
- Bjork, Carl, Seattle, Wash., assignor of one-third to E. Ames and one-third to M. B. Oakes, New York, N. Y. Carbureting device for caloric motors. 1,763,948; June 17.
- Bjork, Olof, Taft, British Columbia, Canada. Cattle guard. 1,769,486; July 1.
- Bjorklund, Arvid, Minneapolis, Minn. Lathe. 1,758,023; May 13.
- Bjorklund, Arvid, Minneapolis, Minn. Abrading machine. 1,762,606; June 10.
- Bjorklund, Axel W. (See Krohn, E., and Lillquist, assignors.)
- Bjornson, Bjorn G., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Indicating device. 1,759,604; May 20.
- Bjornson, Ingvard B., New Kensington, assignor to The Aluminum Company of America, Pittsburgh, Pa. Culinary utensil. 1,761,067; June 3.
- Bjornwald, Holger, New York, N. Y. Belt retainer. 1,775,929; Sept. 16.
- Black, Arthur A., et al. (See Anderson, Victor H., assignor.)
- Black, Arthur L., Coffeyville, Kans. Separable or detachable bolt eye. 1,761,978; June 3.
- Black, Clarence J., North Little Rock, Ark. Crosshead-guide anchor. 1,753,107; Apr. 1.
- Black-Clawson Company, The. (See Kutter, Herman L., assignor.)
- Black and Decker Manufacturing Company, The. (See Baker, James N., assignor.)
- Black & Decker Manufacturing Company, The. (See Decker, Alonzo G., assignor.)
- Black & Decker Manufacturing Company, The. (See Fleming, Jared B., assignor.)
- Black & Decker Manufacturing Company, The. (See Stumpf, Walter, assignor.)
- Black, Edward R., Chicago, Ill. Roofing. 1,748,327; Feb. 25.
- Black, Edgar W. (See Boschke, A. C., and Black.)
- Black, George E., Sewickley, assignor to H. H. Robertson Company, Pittsburgh, Pa. Ventilator. 1,785,540; Dec. 16.
- Black, Harold M., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for cleaning glass-polishing pads. 1,759,820; May 20.
- Black, Harold S., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Phantom carrier circuit. 1,762,754; June 10.
- Black, Harold S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,762,953; June 10.
- Black, Harold S., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric signaling system. 1,753,329; Apr. 8.
- Black, Harold S., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reducing crosstalk in carrier-current signaling systems. 1,762,755; June 10.
- Black, Harry O., St. Louis, Mo. Attachment for watch chains. 1,779,029; Oct. 21.
- Black, Harvey T., Lexington, N. C. Door-operating mechanism. 1,782,982; Nov. 25.
- Black, James M., Jackson, Miss. Meat vise. 1,772,658; Aug. 12.
- Black, John C., Destrehan, La. Cracking oil. 1,770,098; July 8.
- Black, John C., Destrehan, La. Method and apparatus for distilling oil. 1,771,705; July 29.
- Black, John C., Destrehan, La. Fractionating tower. 1,776,061; Sept. 16.
- Black, John C., Destrehan, La., assignor to American La France and Foamite Corporation, New York, N. Y. Mixing box for foam fire-extinguishing systems. 1,774,165; Aug. 26.
- Black, John C., assignor, by mesne assignments, to Richfield Oil Company of California, Los Angeles, Calif. Purifying hydrocarbons. 1,749,240; Mar. 4.
- Black, John C., Wilmington, Calif., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Method of cracking and processing petroleum hydrocarbons. 1,782,676; Nov. 25.

- Black, John C., Los Angeles, and J. R. McConnell, Whittier, assignors, by mesne assignments, to Richfield Oil Company of California, Los Angeles, Calif. Purifying hydrocarbons. 1,759,730; May 20.
- Black, John E., Rumson, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater. 1,785,334; Dec. 16.
- Black, John R., Toulon, Ill. Shuttle transmission. 1,743,844; Jan. 14.
- Black, Joseph, Rochester, N. Y. Back and chest protector. 1,755,533; Apr. 22.
- Black, Lee J., Beaumont, Tex. Locking device for drive bushings. 1,758,426; May 13.
- Black, Lee J., Beaumont, Tex. Locking device for intermediate bushings. 1,771,391; July 29.
- Black, Lester C., Los Angeles, Calif. Shroud for multistage pump plungers. 1,759,088; May 20.
- Black, Lester C., Los Angeles, Calif. Transmission chain. 1,759,089; May 20.
- Black, Millard S. (See McCullough, I. J., and Black.)
- Black, Millard S., Huntington Park, Calif. Attachment for fishing tools and the like. 1,777,481; Oct. 7.
- Black, Robert D. (See Black, Samuel D. and R. D.)
- Black Rock Manufacturing Company. (See Nicholas, William, assignor.)
- Black, Roe R. (See Coddington, E. D., Kerler, Black, and Owen.)
- Black, Samuel D. and R. D., Baltimore County, Md. Vehicle seat. 1,756,807; Apr. 29.
- Black, Seaton C., Montreal, Quebec, Canada. Indicator. 1,743,313; Jan. 14.
- Black, Sivals & Bryson Manufacturing Company. (See Raymond, Gwynne, assignor.)
- Black, Starr and Frost. (See Wuyts, Joseph, assignor.)
- Black, Walter G. (See Segelhorst, August L., assignor.)
- Black, William C., Dudley, England, assignor to M. S. Moore, Brussels, Belgium. Cutter bar for coal-cutting machines and the like. 1,756,450; Apr. 29.
- Black, William C., Dudley, England, assignor to M. S. Moore, Brussels, Belgium. Lifting jack for coal-cutting machines and the like. 1,776,099; Sept. 16.
- Black, William C., Dudley, England, assignor to M. S. Moore, Brussels, Belgium. Coal-cutting machine and the like. 1,785,574; Dec. 16.
- Black, William M., San Mateo, Calif., assignor to Johns-Manville Corporation, New York, N. Y. Roof covering. 1,775,085; Sept. 9.
- Blackburn, Charles A., Washougal, assignor to Keystone Manufacturing Co., Inc., Chehalis, Wash. Lawn mower. 1,754,076; Apr. 8.
- Blackburn, Ernest, Mount Lebanon, Pa. Loose-leaf binder. 1,769,200; July 1.
- Blackburn, Guy W., Elgin, Ill. Writing instrument. 1,744,720; Jan. 28.
- Blackburn, Jasper, Webster Groves, Mo. Window screen. 1,743,099; Jan. 14.
- Blackburn, Jasper, Webster Groves, Mo. Lineman's chair. 1,743,100; Jan. 14.
- Blackburn, Jasper, Webster Groves, Mo. Expanding earth anchor. 1,743,101; Jan. 14.
- Blackburn, Jasper, Webster Groves, Mo. Gear shift. 1,764,145; June 17.
- Blackburn, Jasper, Webster Groves, and H. J. Peele, St. Louis, Mo.; said Peele assignor to said Blackburn. Wall bracket. 1,755,201; Apr. 22.
- Blackburn, John H., Preston, and W. E. Bancroft, Ac-crington, assignors to Howard & Bullough Limited, Ac-crington, England. Ring for the unwinding of yarn from yarn containers in cable-cord frames or other twisting or doubling frames. 1,782,772; Nov. 25.
- Blackburn, John M., and F. R. Lauden, Franklin, La. Vehicle signal. 1,768,107; June 24.
- Blackburn, Reginald. (See Pocock, L. C., and Blackburn.)
- Blackburn, Robert E., Los Angeles, Calif. Wire-screen frame and making the same. 1,753,683; Apr. 8.
- Blackburn, William F., Columbia, S. C. License button and fastener therefor. 1,750,772; Mar. 18.
- Blackburn, William J. (See Thorn, G. M., Warden, Blackburn, and Shannon.)
- Blacker, Earl, Everett, Wash. Bag-delivering machine. 1,749,061; Mar. 4.
- Blackhall, John R. (See Baumgarten, A. W., and Bisch-man, assignors.)
- Blackhall, John R. (See Cordell, H., and Blackhall.)
- Blackhall, John R. (See Pardee, Harvey S., assignor.)
- Blackhall, John R., Joliet, Ill. Step. 1,754,783; Apr. 15.
- Blackhall, John R., Highwood, Ill. Trolley collector. 1,777,955; Oct. 7.
- Blackhawk Mfg. Co. (See Pfauter, Edward M., assignor.)
- Blackinton, George W., assignor to Continental Motors Corporation, Detroit, Mich. Shock absorber. 1,785,510; Dec. 16.
- Blacklock, John W., Brookfield, Mo. Grave cover and casket or vault decoration. 1,781,625; Nov. 11.
- Blackman, Albert E., Mount Vernon, N. Y. Cabinet. 1,776,464; Sept. 23.
- Blackman, Albert E., Mount Vernon, N. Y. Mail box. 1,785,404; Dec. 16.
- Blackman, Alexander, Pensacola, Fla., assignor to Patent Finance and Holding Company. Rotary motor. 1,769,822; July 1.
- Blackman, Alexander, Pensacola, Fla., assignor to Patent Finance and Holding Company. Rotary gas engine. 1,770,225; July 8.
- Blackman, Birt G., assignor of one-third to C. Redfield, Ogden, Utah. Vacuum tube. 1,780,698; Nov. 4.
- Blackman, Frederick B., deceased, Brooklyn, N. Y.; R. E. Blackman, executrix. Duplex extension mirror. 1,748,034; Feb. 18.
- Blackman, Horace L., assignor to The Parker Pen Company, Janesville, Wis. Dispensing cabinet. 1,782,597; Nov. 25.
- Blackman, J. B. (See Martin, William A., assignor.)
- Blackman, Reed J., Stover, Mo. Target. 1,777,249; Sept. 30.
- Blackman, Rosa E., executrix. (See Blackman, Frederick B.)
- Blackmarr, Byron F., Bakersfield, Calif. Liner setter and puller. 1,776,776; Sept. 30.
- Blackmon, Charles D., assignor to Smith Junior Co., Inc., Rochester, N. Y. Liquid-dispensing apparatus. Des. 81,681; July 29.
- Blackmond, William C., Ranger, Tex. Chlorinating apparatus. 1,752,723; Apr. 1.
- Blackmore, Benjamin, Akron, Ohio. Radiator. 1,758,684; May 13.
- Blackmore, Benjamin, Cuyahoga Falls, Ohio. Radiator. 1,766,701; June 24.
- Blackmore, Charles C., Dayton, Ohio. Oil filter. 1,760,340; May 27.
- Blackmore, Charles C., Dayton, Ohio. Toy cannon. 1,765,561; June 24.
- Blackmore, Charles C., Dayton, Ohio. Gas cannon. 1,765,562; June 24.
- Blackmore, Lloyd. (See Davidson, W. J., and Blackmore.)
- Blackmore, Lloyd, assignor to General Motors Corporation, Detroit, Mich. Lamp focusing device. 1,742,683; Jan. 7.
- Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Internal brake. 1,750,611; Mar. 11.
- Blackmore, Lloyd, Highland Park, Mich., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Booster brake. 1,758,139; May 13.
- Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Snubber. 1,761,965; June 3.
- Blackmore, Lloyd, assignor to General Motors Research Corporation, Detroit, Mich. Transmission. 1,761,966; June 3.
- Blackmore, Lloyd, Highland Park, assignor to General Motors Research Corporation, Detroit, Mich. Rubber spring shackle. 1,761,967; June 3.
- Blackmun, William O., Hays City, Kans. Lawn-mower reel truing and sharpening machine. 1,766,277; June 24.
- Blackstone, George M. (See Carter, Frank and E., assignors.)
- Blackstone Inventions, Inc. (See Blackstone, Selwyn R., assignor.)
- Blackstone, Selwyn R., Milwaukee, Wis., assignor, by mesne assignments, to Blackstone Inventions, Inc. Bottle capper. 1,752,973; Apr. 1.
- Blackstone Silver Company. (See Ittig, George P., assignor.)
- Blackwell, Edwin G., New York, N. Y. Retort structure. 1,756,170; Apr. 29.
- Blackwell, Sanford J., assignor of one-fourth to H. W. McLarty, one-fifth to C. Benning, and eleven-twentieths to Ransom and Company, Inc., Atlanta, Ga. Bottle. 1,753,736; Apr. 8.
- Blackwood, Albert B., and H. J. Harkness, Long Beach, Calif. Shock loader. 1,771,285; July 22.
- Blackwood Coal & Coke Company. (See Thorn, G. M., Warden, Blackburn, and Shannon, assignors.)
- Blackwood, Guy R., assignor to Capital Lift and Manufacturing Company, Columbus, Ohio. Hoisting mechanism. 1,754,873; Apr. 15.
- Blaeker, Joseph, and F. A. Smith, New York, N. Y. Dual wear-compensating piston packing ring. 1,760,974; June 3.
- Blaeser, Andrew P., assignor to Pioneer Specialties Company, Chicago, Ill. Tire tool. 1,776,804; Sept. 30.
- Blagdon, William O. (See Grills, H. M., Blagdon, and Brisbow.)
- Blagé, Marcel, Vireux-Molhain, France. Ingot mold. 1,758,823; May 13.
- Blagg, Leo T., assignor of one-half to E. G. Snyder, Kansas City, Mo. Combination smoker's set. Des. 82,368; Oct. 28.
- Blahut, William A., Malden, Mo. Ice-cutting machine. 1,780,059; Oct. 28.
- Blaikie, Charles D. (See Durand, Moise H., assignor.)
- Blaikie, Kenneth G., Shawinigan Falls, Quebec, assignor to Canadian Electric Products Company, Limited, Montreal, Canada. Preventing polymerization of vinyl compounds and reaction of same with aldehydes. 1,768,434; June 24.
- Blain, Albert, Philadelphia, Pa. Footwear. 1,751,069; Mar. 18.
- Blaine, Joseph R., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Register detector. 1,746,632; Feb. 11.
- Blair, Arthur G., Yonkers, N. Y., assignor to Norton-Blair-Douglass, Inc. Commutator. 1,772,477; Aug. 12.
- Blair, Camille C., Los Angeles, Calif. Doll. Des. 82,656; Dec. 2.
- Blair, Daniel W. (See Strauss, A. C., and Blair.)

- Blair, Frank M. (See Howard, C. O., and Blair.)
- Blair, George W. (See Ferrettie, C., and Blair.)
- Blair, George W., Chicago, Ill. Sponge. 1,748,403; Feb. 25.
- Blair, George W., assignor to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Sectional fastener. 1,775,232; Sept. 9.
- Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Fastening device. 1,775,418; Sept. 9.
- Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Fastener. 1,775,419; Sept. 9.
- Blair, George W., assignor to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Quick-operating fastener. 1,776,847; Sept. 30.
- Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Fastening device. 1,776,848; Sept. 30.
- Blair, George W., assignor to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Flexible reinforcing. 1,777,137; Sept. 30.
- Blair, James C., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Method and apparatus for forming sheet glass. 1,753,768; Apr. 8.
- Blair, John H., Chicago, Ill. Excavating and loading machine. 1,749,968; Mar. 11.
- Blair, John H., Chicago, Ill. Mining machine. 1,762,154; June 10.
- Blair, John H., assignor to W. F. Hollingsworth, San Francisco, Calif. Lawn mower. 1,762,287; June 10.
- Blair, Mark L., assignor to A C Spark Plug Company, Flint, Mich. Dispensing gun for decarbonizing liquids. 1,749,312; Mar. 4.
- Blair, Robert S., Stamford, Conn. Apparatus for playing stringed instruments. 1,748,053; Feb. 25.
- Blair, Robert S., Stamford, Conn. Nonslipping device. 1,749,207; Mar. 4.
- Blair, Robert S., Stamford, Conn. Shoe construction. 1,759,034; May 20.
- Blair, Robert S., Stamford, Conn. Muffler construction. 1,778,016; Oct. 14.
- Blair, Robert S., Stamford, Conn. Soap cake and art of making same. 1,780,330; Nov. 4.
- Blair, Robert S., Sound Beach, and B. D. Wells, Danbury, Conn.; said Wells assignor to said Blair. Heating apparatus. 1,762,325; June 10.
- Blair Strip Steel Company. (See Lewis, Lester L., assignor.)
- Blair, Thomas S., Brooklyn, assignor to Doherty Research Company, New York, N. Y. Self-cleaning valve stem. 1,769,672; July 1.
- Blair, William R., Washington, D. C. Ocean-going water craft. 1,753,399; Apr. 8.
- Blaisdell Filtration Company, The. (See Blaisdell, Hiram W., assignor.)
- Blaisdell, Hiram W., New York, N. Y., assignor to The Blaisdell Filtration Company. Filter-bed cleaner. 1,776,062; Sept. 16.
- Blaisdell Pencil Company. (See O'Sullivan, Patrick J., assignor.)
- Blaisdell, Sidney B., Philadelphia, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Braided packing and making the same. 1,771,912; July 29.
- Blake, Anson S. (See Symmes, Whitman, assignor.)
- Blake, Benjamin F., Marion, Ohio. Combined beater and vacuum cleaner. 1,743,954; Jan. 14.
- Blake, Charles C., Brookline, Mass., assignor, by mesne assignments, to I. F. and S. A. Hyams, Boston Safe Deposit and Trust Company, B. N. Carvalho, and H. L. Sampson, trustees. Heel-lasting machine. 1,742,632; Jan. 7.
- Blake, David K., Schenectady, N. Y., assignor to General Electric Company. Electrical distribution system. 1,776,719; Sept. 23.
- Blake, David K., Scotia, N. Y., assignor to General Electric Company. Control system. 1,785,611; Dec. 16.
- Blake, David K., Scotia, N. Y., assignor to General Electric Company. System of electric distribution. 1,785,612; Dec. 16.
- Blake, David K., Scotia, N. Y., assignor to General Electric Company. Automatic control system. 1,785,719; Dec. 16.
- Blake, David K., Scotia, N. Y., assignor to General Electric Company. System of electric distribution. 1,785,720; Dec. 16.
- Blake, David K., Scotia, N. Y., assignor to General Electric Company. System of electric distribution. 1,785,721; Dec. 16.
- Blake, David K., Scotia, N. Y., assignor to General Electric Company. Control system. 1,785,722; Dec. 16.
- Blake, Dennis B. D., assignor of one-half to D. E. Willard, Danville, Ill. Shock absorber. 1,783,599; Dec. 2.
- Blake, Eli J., Buffalo, assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Electrical system of distribution. 1,750,156; Mar. 11.
- Blake, Eli J., Rochester, assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Regulating apparatus. 1,750,157; Mar. 11.
- Blake, Eli J., Buffalo, and C. I. Lusink, Rochester, assignors, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Belt-tensioning device. 1,757,161; May 6.
- Blake, Frank R. (See Jenkins, Howard O., assignor.)
- Blake, George E., assignor to Forsyth Metal Goods Company Inc., East Aurora, N. Y. Automobile heater. 1,758,214; May 13.
- Blake, George H. (See Crowell, S. E., and Blake.)
- Blake, Harry D., Boston, Mass. Adjustable bracket for display cases. 1,761,004; June 3.
- Blake, Herbert T., Burley, Idaho. Machine for cleaning beans, peas, etc. 1,748,943; Mar. 4.
- Blake, Ivan L., Hannibal, N. Y. Armored-conduit-cutting tool. 1,767,342; June 24.
- Blake, James E., Co. (See Blake, William H., assignor.)
- Blake, Lionel J. B., Bishops Stortford, England. Mixing machine. 1,748,276; Feb. 25.
- Blake Manufacturing Co. (See Officer, Wesley J., assignor.)
- Blake Manufacturing Company. (See Shannon, James L., assignor.)
- Blake, Robert A., Brooklyn, N. Y. Toy grasshopper. 1,783,996; Dec. 9.
- Blake, Ronald G., Chambers Pairie, Wash. Rail block clamp. 1,743,419; Jan. 14.
- Blake, Thomas J. (See Lehrman, Jacob I., assignor.)
- Blake, William A., East Chattanooga, Tenn., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 80,719; Mar. 18.
- Blake, William H., Attleboro, Mass., assignor to James E. Blake Co. Hairbrush. 1,770,602; July 15.
- Blakely, Sidney R., Jamaica Plain, Mass. Insole and manufacturing same. 1,770,908; July 22.
- Blakely, Sidney R., Jamaica Plain, Mass. Last. 1,778,580; Oct. 14.
- Blakely, Sidney R., Jamaica Plain, Mass. Insole and making same. 1,781,715; Nov. 18.
- Blakely, William W., Detroit, Mich. Wheel block. 1,761,068; June 3.
- Blakeman, Thomas W., Long Beach, Calif. Strainer. 1,750,158; Mar. 11.
- Blakemore, Alfred P., Philadelphia, Pa., assignor to Katz and Blakemore, Philadelphia, Pa. Golf-ball washer. 1,768,229; June 24.
- Blakemore, Arthur L., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Balancing rotary bodies having radiating blades. 1,762,140; June 10.
- Blakeslee, Frank H., Cleveland, Ohio. Pneumatic shock absorber. 1,754,346; Apr. 15.
- Blakeslee, G. S., & Co. (See Antstiss, George P., assignor.)
- Blakeslee, Henry J., Marlboro, Conn. Electric-meter connection. 1,747,217; Feb. 18.
- Blakeslee, Henry J., West Hartford, Conn. Bolt anchor. 1,758,924; May 20.
- Blakeslee, John R., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Metal working. 1,771,610; July 29.
- Blakesley, George L., Merced, Calif. Nonglare attachment for hats. 1,764,500; June 17.
- Blakslee, Fred J. (See Merrill, R. K., and Blakslee.)
- Blalack, Jacob L., Los Angeles, Calif. Automatic gas and electricity controlling device. 1,755,497; Apr. 22.
- Blanch, Sydney F., London, England. Constructing vehicle bodies. 1,745,352; Feb. 4.
- Blanchard, Adna F., Altoona, Pa., assignor to G. C. Seaton, New York, N. Y. Shock absorber. 1,743,591; Jan. 14.
- Blanchard, Arthur D., Bloomfield, N. J., assignor to Charles Cory & Son, Incorporated, New York, N. Y. Hose fitting. 1,771,949; July 29.
- Blanchard, Burton L., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Baby carriage. 1,783,913; Dec. 2.
- Blanchard, Frederick C., Dorchester, Mass. Lubricator. 1,766,702; June 24.
- Blanchard, Hymen A., Buffalo, N. Y. Building construction. 1,764,001; June 17.
- Blanchard, Hymen A., Buffalo, N. Y. Laundry tray. 1,771,570; July 29.
- Blanchard, Hymen A., Buffalo, N. Y. Laundry tray. 1,771,611; July 29.
- Blanchard, Hymen A., Buffalo, N. Y. Concrete curbing. 1,780,904; Nov. 11.
- Blanchard, Lester L., Presque Isle, Me., assignor to H. Crepeau, Montreal, Quebec, Canada. Chimney. 1,751,026; Mar. 18.
- Blanchard, Lester L., Dover Foxcroft, Me., assignor to H. Crepeau, Montreal, Canada. Chimney-cap heater. 1,759,830; May 27.
- Blanchard, William, Wakefield, Mass. Shade mounting. 1,778,623; Oct. 14.
- Blanchard Machine Company, The. (See Skillings, Harold F., assignor.)
- Blankertz, Rudolf, assignor to the Firm: Heintze & Blankertz, Berlin, Germany. Pen for drawing and ruling purposes. 1,765,901; June 24.
- Blanco, Gale W., and C. Henningsen, Buffalo, assignors, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Sheet for the manufacture of viscose. 1,776,536; Sept. 23.
- Bland, Alfred E., Columbus, Ohio. Electrical starter for racing dogs. 1,743,875; Jan. 14.
- Bland, Byron B., and F. B. De Tienne, Vandalia, Mo. Device for receiving and delivering packages to and from aircraft while in flight. 1,761,290; June 3.
- Bland, John, Tinton, S. Dak. Apparatus and process for minerals separation. 1,749,371; Mar. 4.

- Bland, Morton O., Shelbyville, Ind. Toy. 1,755,346; Apr. 22.
- Blaney, William T., Peterborough, Ontario, Canada. Air cleaner. 1,781,430; Nov. 11.
- Blank, Ernst, Eitorf-on-the-Sieg, Germany. Tobacco cartridge for pipes. 1,769,896; July 1.
- Blankenberg, Ingwal O., Milwaukee, Wis. Chimney-smoke-pipe thimble. 1,778,932; Oct. 21.
- Blankenstein, Edward E., and C. M. Coulter, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Testing materials. 1,748,969; Mar. 4.
- Blankinship, Arthur. (See Crank, Millard F., assignor.)
- Blanshaft, Max. (See Offerman, L., Blanshaft, and Savitzky.)
- Blanton, William B. (See Light, G. G., Drake, Rudd, and Blanton.)
- Blaringhem, Auguste J. A., Mazingarbe, assignor to Société Anonyme d'Eclairage Et D'Applications Electriques, Pas-de-Calais, France. Extraction of krypton and xenon from oxygen. 1,772,202; Aug. 5.
- Blaschke, Philipp, Fischamend, Austria. Switch device for automatic oil-pressure control and signaling apparatus. 1,769,673; July 1.
- Blasdel, John L., and C. H. Derringer, Ventura, Calif. Combined lamp and smoking stand. Des. 81,125; May 13.
- Blasi, Armand, Newark, N. J. Wood-turning lathe. 1,779,035; Oct. 21.
- Blaskewitz, William, assignor, by mesne assignments, to Clayton and Lambert Manufacturing Company, Detroit, Mich. Handle. 1,760,868; June 3.
- Blaskewitz, William, assignor, by mesne assignments, to Clayton and Lambert Manufacturing Company, Detroit, Mich. Fire-pot structure. 1,760,869; June 3.
- Blaskewitz, William, assignor, by mesne assignments, to Clayton & Lambert Manufacturing Company, Detroit, Mich. Fire pot. 1,770,566; July 15.
- Blaskewitz, William, and C. B. Overly, assignors, by mesne assignments, to Clayton & Lambert Manufacturing Co., Detroit, Mich. Combined preheating and mixing chamber for liquid-fuel burners. 1,770,346; July 8.
- Blaskewitz, William, and C. B. Overly, assignors, by mesne assignments, to Clayton & Lambert Manufacturing Co., Detroit, Mich. Method of and apparatus for vaporization of liquid fuel. 1,770,347; July 8.
- Blaski, Benjamin P., Chicago, Ill. Skylight-actuating mechanism. 1,760,110; May 27.
- Blaski, Benjamin P., Chicago, Ill. Skylight. 1,769,013; July 1.
- Blass, Wilhelm, Hamburg, Germany. Transformation of a motor car with closed carriage body into a platform lorry. 1,786,693; Dec. 30.
- Blatchford Calif Meal Company. (See Hazle, Albert J., Jr., assignor.)
- Blatt, Theodore M., Oak Park, Ill. Painting machine. 1,776,100; Sept. 16.
- Blatti, Albert L., Chicago, Ill. Dispensing device. 1,768,561; July 1.
- Blattner, Emil H. (See Bouché, W. F., and Blattner.)
- Blattner, Frederick, Jr., Brooklyn, N. Y. Can-filling press. 1,747,813; Feb. 18.
- Blau, Fritz, Berlin-Charlottenburg, Germany. Picture. 1,781,313; Nov. 11.
- Blau, Henry H., assignor to Macbeth-Evans Glass Company, Charleroi, Pa. Inclosing globe. 1,778,305; Oct. 14.
- Blaudeau, Jean B., Chateauroux, J. Limousin, Sassièges-St.-Germain, and H. Rousseaux and A. Dumont, Paris, France. Vaporizer for heaters. 1,756,808; Apr. 29.
- Blauborn, Emanuel, Vienna, Austria. Exhaust-steam injector. 1,759,218; May 20.
- Blaun, Herbert L., and L. G. Moskow, Glenwood Landing, N. Y. Double-flush valve. 1,767,043; June 24.
- Blauvelt, Frederic D., Montclair, N. J. Liquid heater. 1,766,480; June 24.
- Blauvelt, William H. (See Bellamy, Charles R., assignor.)
- Blaw, Jacob B., deceased, Atlantic City, N. J.; S. H. Blaw, executrix. Fire apparatus. 1,775,846; Sept. 16.
- Blaw-Knox Company. (See Alvord, Grove D., assignor.)
- Blaw-Knox Company. (See Andrews, Roger W., assignor.)
- Blaw-Knox Company. (See Baker, Robert D., assignor.)
- Blaw-Knox Company. (See Boyrie, Harry E., assignor.)
- Blaw-Knox Company. (See Bradshaw, Grant D., assignor.)
- Blaw-Knox Company. (See Bradshaw, G. D., and Andrews, assignors.)
- Blaw-Knox Company. (See Dyrssen, Waldemar, assignor.)
- Blaw-Knox Company. (See Fisk, Gustaf L., assignor.)
- Blaw-Knox Company. (See Kirkpatrick, George M., assignor.)
- Blaw-Knox Company. (See Menzlin, Abraham L., assignor.)
- Blaw Knox Company. (See Schieldrop, Bjarne H., assignor.)
- Blaw-Knox Company. (See Venable, William M., assignor.)
- Blaw-Knox Company. (See Williams, Edward, assignor.)
- Blaw, Sadie H., executrix. (See Blaw, Jacob B.)
- Blaylock, Selwyn G., J. J. Fingland, and F. E. Lee, Trail, British Columbia, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Process for and relating to the separation of gold, silver, and lead from crude antimonial metal. 1,778,017; Oct. 14.
- Blaylock, Selwyn G., F. E. Lee, and J. J. Fingland, Trail, British Columbia, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Process for and relating to recovering gold, silver, and lead from roasted or oxidized antimonial ores, antimonial flue dusts, and antimonial by-products. 1,778,019; Oct. 14.
- Blaylock, Selwyn G., F. E. Lee, and P. F. McIntyre, Trail, British Columbia, Canada, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Process for and relating to the separation of gold, silver, and lead from antimony ores, antimony flue dusts, and antimonial by-products. 1,778,020; Oct. 14.
- Blazer, Almer N., Messalero, N. Mex. Cutting the efficient curve in the walls of helixes. 1,777,250; Sept. 30.
- Blazek Cold Storage Door Company. (See Anderson, Christopher J., assignor.)
- Blazic, Antone, Los Angeles, Calif. Artificial tree. 1,749,097; Mar. 4.
- Bleach Process Company. (See Wheeler, Frank G., assignor.)
- Bleasdale, Charles G. (See Peters, J. G., and Bleasdale.)
- Blecha, Albert, Benkelman, Nebr. Cultivator hitch. 1,781,972; Nov. 18.
- Blecher, Boris, Philadelphia, Pa. Collar holder. Des. 82,895; Dec. 23.
- Blecher, Carl, Berlin-Dahlem, Germany. Securing accurate color values in color printing and color photography. 1,785,997; Dec. 23.
- Blecker, William M., assignor of fifty-one per cent to E. A. Langenbach, Canton, Ohio. Continuous strip and sheet mill. 1,771,392; July 29.
- Bledsoe, Carl F., assignor to Ogle Construction Company, Chicago, Ill. Material-handling plant. 1,786,734; Dec. 30.
- Bledsoe, Oscar F., Jr., Greenwood, Miss. Doffing device. 1,751,389; Mar. 18.
- Bleecker, George W., et al., trustee. (See Martin, Laurence C., assignor.)
- Bleecker, Warren F., Boulder, Colo. System for shooting wells by radio. 1,757,288; May 6.
- Bleecker, Warren F., Boulder, Colo., assignor, by mesne assignments, to W. J. Cheley, Tulsa, Okla. Nitroglycerin shell. 1,775,271; Sept. 9.
- Bleecker, Warren F., Boulder, Colo., assignor, by mesne assignments, to W. J. Cheley, Tulsa, Okla. Indicating detonation of explosive charges. 1,776,770; Sept. 30.
- Bleecker, Warren F., and E. A. Clark, Boulder, Colo. Paint, varnish, and enamel and their production. 1,750,087; Mar. 11.
- Bleich, Abraham, New York, N. Y. Brooch or similar article. Des. 80,432; Feb. 4.
- Bleichert, Adolf, & Co., A. G. (See Müller, Max, assignor.)
- Bleier, Herman E., Chicago, Ill. Electric-light-bulb jacket or similar article. Des. 82,724; Dec. 9.
- Bleil, Clarence J., Los Angeles, Calif. Mixing apparatus. 1,745,291; Jan. 28.
- Bleil, Clarence J., Los Angeles, Calif. Drier. 1,749,525; Mar. 4.
- Bleloch, William. (See Bleloch, William E. and W.)
- Bleloch, William E., Johannesburg, South Africa, and W. Bleloch, Epsom, England. Safety razor. 1,768,307; June 24.
- Blenski, Joseph S., assignor to Dependable Harvester Corporation, Milwaukee, Wis. Harvesting machine. 1,778,023; Oct. 14.
- Blenz, Martin, New York, N. Y. Attachment for cooking vessels. 1,777,743; Oct. 7.
- Blériot, Louis, Paris, France. Aeroplane. 1,774,414; Aug. 26.
- Blesch, Johann W., Evansville, Ind. Cigarette holder. 1,781,566; Nov. 11.
- Bleser, Bernard P. (See Bleser, Martin P. and B. P.)
- Bleser, Martin P. and B. P., Cincinnati, Ohio. Bracelet or similar article. Des. 81,743; Aug. 5.
- Blessing, Emil K., Elkhart, Ind. Brass wind instrument. 1,744,519; Jan. 21.
- Blesso, Rocco, Hartford, Conn. Traffic signal. 1,779,582; Oct. 28.
- Blethen, Clarence B., Seattle, Wash. Picture-printing quality-detector device. 1,744,862; Jan. 28.
- Bleustein, Benjamin, New York, N. Y. Bathtub. 1,758,071; May 13.
- Blevins, Thomas B. (See Pittam, G. R., Blevins, and Brandt.)
- Blewett, Arthur R., Chicago, Ill., assignor to International Harvester Company. Power leveling means for hillside harvester thrashers. 1,769,014; July 1.
- Blickman, Harry, New York, N. Y., assignor to S. Blickman, Inc., Weehawken, N. J. Exercising apparatus. 1,752,412; Apr. 1.
- Blickman, S., Inc. (See Blickman, Harry, assignor.)
- Blinow, Joseph E., Wolverhampton, England. Anti-splash device for boots, shoes, and the like. 1,779,354; Oct. 21.

- Blish, Russell A., and A. P. Jorgenson, assignors to Arnold Electric Co., Racine, Wis. Drink mixer. 1,743,102; Jan. 14.
- Blish, Russell A., and A. P. Jorgenson, assignors to Arnold Electric Co., Racine, Wis. Drink mixer. 1,743,103; Jan. 14.
- Blish, Russell A., and A. P. Jorgenson, assignors to Arnold Electric Co., Racine, Wis. Drink mixer. 1,743,104; Jan. 14.
- Blish, Russell A., and A. P. Jorgenson, assignors to Arnold Electric Co., Racine, Wis. Drink mixer. 1,743,105; Jan. 14.
- Bliss Brothers Company. (See Vetter, Louis J., assignor.)
- Bliss, Charles W., South Bend, Ind. Compound hook. 1,749,871; Mar. 11.
- Bliss, E. W., Company. (See Crane, Edward V., assignor.)
- Bliss, E. W., Company. (See Klocke, William, assignor.)
- Bliss, E. W., Company. (See Kruse, Peter, assignor.)
- Bliss, E. W., Company. (See Strout, Robert W., assignor.)
- Bliss, Edward P., jr., Philadelphia, Pa. Motor-driven blower. 1,752,830; Apr. 1.
- Bliss, Edwin L. R., Lanesboro, Mass., assignor to General Electric Company. Cooling means for incased electrical apparatus. 1,780,110; Oct. 28.
- Bliss, Elmer F., Scotia, N. Y., assignor to General Electric Company. Automatic-reclosing circuit-breaker system. 1,768,393; June 24.
- Bliss, Elmer J., Boston, assignor to Regal Shoe Company, Whitman, Mass. Shoe-fitting apparatus. 1,745,144; Jan. 28.
- Bliss, H. R., Company. (See Allen, Howard G., assignor.)
- Bliss, H. R., Company, Inc. (See Bliss, Herbert R., assignor.)
- Bliss, H. R., Company. (See Bliss, H. R., and Allen, assignors.)
- Bliss, Harold N., Ithaca, N. Y. Selective electrical tuning. 1,750,660; Mar. 18.
- Bliss, Herbert R., assignor to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Cracker caddy. 1,770,226; July 8.
- Bliss, Herbert R., assignor to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Shipping case and fabricating the same. 1,770,348; July 8.
- Bliss, Herbert R., assignor to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Open-head blade anvil. 1,770,349; July 8.
- Bliss, Herbert R., and H. G. Allen, assignors to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Method of and apparatus for corner stitching. 1,745,596; Feb. 4.
- Bliss, Howard R., Flushing, N. Y. Sound-controlling ventilating device. 1,783,276; Dec. 2.
- Bliss, James E., Faust, N. Y. Rail tie. 1,760,735; May 27.
- Bliss, Louis W., Paterson, N. J. Dressing picture surfaces with technique. 1,772,927; Aug. 12.
- Bliss, Sherwood C. (See Landon, A. A., and Bliss.)
- Blitz, Ralph S., Rifle, Colo., assignor of one-half to Steiner Sales Company, Salt Lake City, Utah. Sprinkler. 1,744,520; Jan. 21.
- Blitzer, Jacob H., assignor to Lightoller Corporation, New York, N. Y. Lighting-fixture head. Des. 80,772; Mar. 25.
- Blitzer, Jacob H., assignor to Lightoller Co., New York, N. Y. Lighting fixture. 1,777,824; Oct. 7.
- Bliven, Charles H., Norfolk, Va. Shut-off valve. 1,785,475; Dec. 16.
- Bloch, André, Paris, France. Listening and selecting apparatus. 1,784,172; Dec. 9.
- Bloch, Godfrey, New York, N. Y. Fabricating unwoven sheet material and article therefor. 1,776,748; Sept. 23.
- Bloch, Leon, assignor to The Republic Brass Company, Cleveland, Ohio. Two-way valve. 1,753,684; Apr. 8.
- Bloch, Max, Frankfurt-on-the-Main, Germany. Method and device for removing the hairs from the skin of fells. 1,783,693; Dec. 2.
- Block, Abraham, San Francisco, Calif., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash-register attachment. 1,761,557; June 3.
- Block, David J., Chicago, Ill. Identifying materials. 1,771,612; July 29.
- Block, David J., Chicago, Ill., assignor to E. Broch. Food product. 1,773,296; Aug. 19.
- Block, Hiram, Baltimore, Md. Permanent-waving tube. 1,760,736; May 27.
- Block, Isaac D. (See Horsley, Robert L., assignor.)
- Block, Joseph, assignor of three-eighths to E. C. Glass and three-eighths to H. B. Copeland, Wheeling, W. Va. Card-door fastener and seal. 1,777,426; Oct. 7.
- Block, Joseph, Brooklyn, assignor to Noma Electric Corporation, New York, N. Y. Christmas-tree support. Des. 81,047; Apr. 29.
- Block, Joseph, Brooklyn, assignor to Noma Electric Corporation, New York, N. Y. Electrical decorative illuminating device. 1,783,277; Dec. 2.
- Block, Leslie W., Webster Groves, Mo. Holder for case-ment windows, doors, or the like. 1,758,309; May 13.
- Block, Mayer E., Peoria, Ill. Agitator for washing machines. 1,781,774; Nov. 18.
- Blokker, Martin, Wilmar, Calif. Saw set. 1,771,395; July 29.
- Blomberg, Hermann, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Wear-resisting current-carrying contact. 1,771,977; July 29.
- Blome, Walter, South Pasadena, Calif. Drapery hook. 1,746,232; Feb. 11.
- Blomgren, Carl H., Spokane, Wash. Pencil sharpener. 1,770,062; July 8.
- Blomgren, Henry E., Brooklyn, N. Y. Antirattle spring device. 1,754,347; Apr. 15.
- Blomgren, Nils H., Brooklyn, N. Y. Piston packing. 1,747,568; Feb. 18.
- Blomquist, August E. R., Cleveland, Ohio. Manicuring device. 1,778,142; Oct. 14.
- Blomquist, August E. R., Cleveland, Ohio. Vibrating machine. 1,760,578; May 27.
- Blomquist, Jean K., Berkeley, Calif. Hot-water bottle. 1,758,024; May 13.
- Blomstrom, Lowell C., assignor to Federal Mogul Corporation, Detroit, Mich. Broaching tool. 1,770,728; July 15.
- Blomstrom, Lowell C., assignor to Federal Mogul Corporation, Detroit, Mich. Mounting bearings on arbors in multiple. 1,786,557; Dec. 30.
- Blondeau, Benjamin H. (See Poeppel, H. J., and Blondeau.)
- Blondeau, Howard. (See Canny, J., and Blondeau.)
- Blondin, Joseph, Los Angeles, Calif. Aircraft supporting and controlling surface. 1,775,386; Sept. 9.
- Blondin, Michel C., Meudon, France, assignor, by mesne assignments, to Old Colony Distributing Company, Boston, Mass. Shaving brush. 1,786,224; Dec. 23.
- Blood, Frank J., assignor to Pioneer Broom Company, Inc., Amsterdam, N. Y. Broom. 1,761,101; June 3.
- Blood, Harold L., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Servicing apparatus. 1,748,970; Mar. 4.
- Blood, Howard E., Detroit, Mich., assignor to Norge Corporation. Rotary compressor. 1,781,095; Nov. 11.
- Blood, Howard E., and R. Lapsley, assignors to Detroit Gear & Machine Company, Detroit, Mich. Gear-shift mechanism. 1,780,898; Nov. 11.
- Blood, Louis H., Cincinnati, Ohio, assignor to Reading Automatic Machine Company, Reading, Pa. Automatic multiple-spindle machine. 1,777,251; Sept. 30.
- Bloom, Arthur R., Minneapolis, Minn. Sign device. 1,749,062; Mar. 4.
- Bloom, Edgar J., Tiffin, Ohio, assignor, by mesne assignments, to Auto Research Corporation. Lubricating fix-Bloom, Edgar J., assignor to The Monarch Manufacturing Company, Tiffin, Ohio. Ironing board. 1,774,079; Aug. 26.
- Bloom, Fred C., St. Paul, Minn. Animal trap. 1,749,372; Mar. 4.
- Bloom, Nathan P., assignor to Adler Manufacturing Co., Louisville, Ky. Cabinet for a sound-reproducing instrument or the like. Des. 81,048; Apr. 29.
- Bloomfield, Edward W., Vancouver, British Columbia, Canada. Mop. 1,748,202; Feb. 25.
- Bloomfield, Russell C. (See O'Farrell, Thomas, assignor.)
- Bloore, Ernest J., Brampton, assignor to R. J. Copeland, Toronto, Ontario, Canada. Locking bar for loose-leaf binders. 1,746,883; Feb. 11.
- Bloser, Parker Z., Columbus, Ohio. Fountain pen. Des. 82,309; Oct. 21.
- Bloss, Richard R., Columbus, Ohio. Metal sheeting. 1,780,862; Nov. 4.
- Bloss, Richard R., assignor to The International Derrick & Equipment Company, Columbus, Ohio. Bull-wheel-brake structure. 1,756,009; Apr. 22.
- Bloss, Richard R., and S. B. Creamer, assignors to International Derrick & Equipment Company, Columbus, Ohio. Metal sheeting. 1,770,063; July 8.
- Bloss, Richard R., E. B. Maurer, and S. B. Creamer, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Walking-beam bearing. 1,775,628; Sept. 9.
- Bloss, Richard R., and R. C. Pfell, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Self-aligning pitman bearing. 1,755,723; Apr. 22.
- Bloss, Richard R., R. C. Steffen, and S. B. Creamer, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Spelter-removing apparatus. 1,779,366; Oct. 21.
- Blosser, Herman G., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,773,165; Aug. 19.
- Blosser, Herman G., Pittsburgh, and R. A. McCann, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,784,816; Dec. 16.
- Blossom, Charles, Celina, Ohio. Pipe or analogous mouthpieces. 1,750,503; Mar. 11.
- Blossom Lock Company, The. (See Peterson, Elmer C., assignor.)
- Blough, Bert L., assignor of one-half to A. Goodman, jr., Memphis, Tenn. Piston expander. 1,746,515; Feb. 11.
- Blount, Harry, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-spooling apparatus. 1,744,739; Jan. 28.
- Blount, Nelson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. Des. 80,670; Mar. 11.
- Blount, Nelson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. Des. 80,671; Mar. 11.

- Blount, Nelson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. Des. 80,672; Mar. 11.
- Blount, William H. (See Nigro, M., and Blount.)
- Blount, William H. (See Sleeper, F. H., and Blount.)
- Blowers, William R., Detroit, Mich. Piston. 1,762,541; June 10.
- Bludworth, Timothy F., Summit, N. J. Remote control switch. 1,766,372; June 24.
- Bludworth, Timothy F., Fanwood, N. J., and I. S. Bobrovsky, New York, N. Y. Remote control system for electric circuits. 1,766,371; June 24.
- Bluehdorn, William R., Hartford, Conn. Mount for machine guns. 1,773,090; Aug. 19.
- Bluemel, Gustave, assignor of one-half to Drying Systems, Inc., Chicago, Ill. Sheet-metal air heater. 1,761,173; June 3.
- Blue Point Tool Company. (See Gagné, Gidéon R., assignor.)
- Blue Valley Creamery Company. (See McCain, Wes W., assignor.)
- Bluff, John T., Compton, Calif. Display-holding attachment. 1,780,060; Oct. 28.
- Bluff, John T., Compton, Calif. Display device. 1,780,061; Oct. 28.
- Blum, Albert, Rapperswil, Switzerland, assignor, by mesne assignments, to Aktiengesellschaft für mechanische Knüpfteppiche System Boyer, Zurich. Knotting device for machines for manufacturing knotted carpets. 1,780,740; Nov. 4.
- Blum, Edward H. (See de Beaumont, J., and Blum.)
- Blum, Harry, assignor of one-half to F. J. Farley, McKees Rocks, Pa. Direction indicator. 1,779,799; Oct. 28.
- Blum, Henry L., Lodi, N. J. Fabric-treating apparatus. 1,777,114; Sept. 30.
- Blum, Morton G., Cedarhurst, N. Y. Translucency display device. 1,746,578; Feb. 11.
- Blum, Robert J. (See Ralston, Hurley D., assignor.)
- Blume, George F., Philadelphia, Pa. Roller bearing. 1,764,077; Apr. 8.
- Blume, Louis F., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,752,880; Apr. 1.
- Blume, Louis F., Pittsfield, Mass., assignor to General Electric Company. Ratio-adjusting switch. 1,785,575; Dec. 16.
- Blume, Louis F., Pittsfield, Mass., and W. O. Dwyer, Kingston, Ontario, Canada, assignors to General Electric Company. Electrical induction apparatus. 1,756,846; Apr. 29.
- Blume, William R. (See Dreyfus, C., and Blume.)
- Blumenauer, Henry P., and F. D. Brisse, Worcester, Mass., and W. C. Brisse, Detroit, Mich. Bolt cutter. 1,768,108; June 24.
- Blumenberg, Albert B., New York, N. Y. Motor-vehicle seat. 1,762,046; June 3.
- Blumenberg, Henry, jr., Los Angeles, Calif. Making aluminum chloride. 1,764,502; June 17.
- Blumenberg, Henry, jr., Los Angeles, Calif. Filtering material. 1,777,546; Oct. 7.
- Blumenberg, Henry, jr., Moapa, Nev. Making aluminum chloride. 1,764,501; June 17.
- Blumenberg, Henry, jr., Moapa, Nev. Sulphur composition and making the same. 1,783,695; Dec. 2.
- Blumenberg, Henry, jr., Moapa, Nev., and J. H. Blumenberg, Huntington Park, Calif. Producing organic iron compounds and the resulting product. 1,783,694; Dec. 2.
- Blumenberg, John H. (See Blumenberg, Henry, jr., and J. H.)
- Blumenfeld, Joseph, Paris, France, assignor to Commercial Pigments Corporation, New York, N. Y. Production of composite pigments containing titanium dioxide. 1,766,592; June 24.
- Blumenfeld, Joseph, Neuilly-sur-Seine, assignor to Societe de Produits Chimiques des Terres Rares, Paris, Seine, France. Treatment of dolomite and other carbonates of magnesium. 1,778,659; Oct. 14.
- Blumenthal, Julius J., assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting-fixture bracket or article of similar nature. Des. 82,310; Oct. 21.
- Blumenthal, Julius J., assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting-fixture bracket or article of similar nature. Des. 82,790; Dec. 16.
- Blumenthal, Sidney & Co. Inc. (See Achtmeyer, William, assignor.)
- Blumer, James, Norwalk, Conn. Saw vise. 1,785,613; Dec. 16.
- Blundell, Ira G., Sparks, Nev. Motor-operated saw. 1,770,294; July 8.
- Blunt, Edmund H., New York, N. Y. Feed-water heater. 1,745,597; Feb. 4.
- Blunt, James G., Schenectady, N. Y. Hub liner for railroad vehicles. 1,748,698; Feb. 25.
- Blunt, James G., Schenectady, N. Y. Hub liner for railroad vehicles. 1,748,699; Feb. 25.
- Blunt, James G., Schenectady, N. Y. Locomotive bumper bracket. 1,756,480; Apr. 29.
- Blunt, James G., Schenectady, N. Y. Locomotive trailing truck. 1,757,701; May 6.
- Blunt, James G., Schenectady, N. Y. Crosstie structure for locomotive side frames. 1,778,749; Oct. 21.
- Blunt, Royden A., Baltimore, Md. Bottle. Des. 81,618; July 22.
- Blunt, Royden A., Baltimore, Md. Bottle. Des. 81,619; July 22.
- Blunt, Royden A., Baltimore, Md. Bottle. Des. 81,620; July 22.
- Blunt, Royden A., Baltimore, Md. Soot disposal. 1,747,569; Feb. 18.
- Blustein, Abraham, Washington, D. C. Safety spring clasp. 1,764,240; June 17.
- Bly, Robert S., Lakeland, Fla., assignor, by mesne assignments, to Cutler-Hammer, Inc. Aniline-sulphur resin and making same. 1,761,291; June 3.
- Blydenburgh, Harold L., assignor to The Moto-Mower Company, Detroit, Mich. Drive control for motor-driven lawn mowers. 1,779,583; Oct. 28.
- Blye, Paul W., Rutherford, N. J., assignor to American Telephone and Telegraph Company. Harmonic eliminator. 1,772,509; Aug. 12.
- Blye, Paul W., Rutherford, N. J., assignor to American Telephone and Telegraph Company. Electrical transmission system. 1,780,966; Nov. 11.
- Blyth, John F., East Orange, assignor to Ellis-Foster Company, Montclair, N. J. Container and cap therefor. 1,778,933; Oct. 21.
- Boals, Harry R., assignor to Corning Glass Works, Corning, N. Y. Method of and apparatus for making tubing. 1,749,016; Mar. 4.
- Boardman, Raymond H. (See Young, F. A., and Boardman.)
- Boatner, Howell, Springfield, Mo. Dental anchoring method and device. 1,743,910; Jan. 14.
- Boattenhamer, Loyd H., Oklahoma City, Okla. Cracker container. Des. 81,225; May 27.
- Bobo, Jarrot, Carpenter, Ohio. Airplane wing. 1,746,140; Feb. 4.
- Bobrick Chemical Corporation. (See Woywot, Walter J., assignor.)
- Bobroff, Bornett L., Milwaukee, Wis. Hospital signaling system. 1,751,972; Mar. 25.
- Bobroff, Bornett L., Milwaukee, Wis. Push button. 1,761,867; June 3.
- Bobroff, Bornett L., Racine, Wis. Vehicle light. Des. 80,773; Mar. 25.
- Bobroff, Bornett L., Racine, Wis. Vehicle lamp. Des. 81,082; May 6.
- Bobroff, Bornett L., Racine, Wis. Vehicle lamp. Des. 81,682; July 29.
- Bobroff, Bornett L., Racine, Wis. Vehicle tail lamp. Des. 81,864; Aug. 26.
- Bobroff, Bornett L., Racine, Wis. Switch for signaling systems. 1,775,585; Sept. 9.
- Bobrovsky, Igor S. (See Bludworth, T. F., and Bobrovsky.)
- Bobrovsky, Igor S., Rochester, N. Y., assignor, by mesne assignments, to United Reproducers Corporation. Assembling loud speakers. 1,767,912; June 24.
- Boca, Joseph Flint, assignor to General Motors Corporation, Detroit, Mich. Folding top. 1,784,779; Dec. 9.
- Bocchino, Ernest, Newark, N. J. Toy bellows and reed. 1,769,251; July 1.
- Bocek, Tomas, Brooklyn, N. Y., assignor of one-half to R. V. Dunbar, Bound Brook, N. J. High-tension switch. 1,743,652; Jan. 14.
- Bochmann, Charles F. (See Pecker, Joseph S., assignor.)
- Bochnak, Andrew, Bobtown, Pa. Automatic rifle. 1,752,324; Apr. 1.
- Bochnak, Andy, Bobtown, Pa. Repeating rifle. 1,787,354; Dec. 30.
- Bock, Carl J., assignor to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich. Tire carrier. 1,761,968; June 3.
- Bock, Carl J., Pontiac, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Brake cross shaft mounting. 1,783,774; Dec. 2.
- Bock, Carl J., Pontiac, Mich., and P. L. Tenney, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Gear-shifting mechanism. 1,742,749; Jan. 7.
- Bock, Herman, East Orange, N. J. Key container. 1,760,469; May 27.
- Bock Laundry Machine Company, The. (See Bock, William E., assignor.)
- Bock, Oscar L., Chicago, Ill. Internal-gear pump. 1,768,818; July 1.
- Bock, Walther, Berlin-Schöneberg, and K. Rath, New York, N. Y., assignors to C. Lorenz-Aktiengesellschaft, Berlin-Tempelhof, Germany. Vibration regulator. 1,767,236; June 24.
- Bock, William E., assignor, by mesne assignments, to The Bock Laundry Machinery Company, Toledo, Ohio. Washington machine. 1,766,213; June 24.
- Bockhoff, Harry W., assignor to The National Automatic Tool Company, Richmond, Ind. Drill-head adapter plate. 1,759,388; May 20.
- Bockius, Chris, Passaic, N. J., assignor, by mesne assignments, to Raybestos-Manhattan, Inc. Packing for pistons, plungers, and the like. 1,769,984; July 8.
- Bockius, Walter A., Wilmette, and H. B. Jones, Evanston, Ill. Mounting for connecting devices. 1,769,615; July 1.
- Bockmühl, Max. (See Lautenschläger, C. L., Bockmühl, and Schwabe.)
- Bockus, Harry N., Maplewood, assignor to Solar Compounds Corporation, Linden, N. J. Coating for flame-retarding coverings and manufacturing the same. 1,765,000; June 17.
- Bockwitz, Virgil J., Humboldt, Minn. Grain saver. 1,783,400; Dec. 2.

- Bocz, Alexander J., Detroit, Mich. Balancing device. 1,756,898; Apr. 29.
- Boda, Joseph E., Moline, Ill., assignor by mesne assignments, to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Disk barrow. 1,753,198; Apr. 8.
- Bodde, Theodore, Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train-control system. 1,783,491; Dec. 2.
- Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio system. 1,743,106; Jan. 14.
- Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Carrier-wave telephony over power lines. 1,765,480; June 24.
- Bode, Adele, Hamburg, Germany. Vacuum cleaner. 1,744,099; Jan. 21.
- Bode, Herman A. (See Nylund, A. L., and Bode.)
- Bode, Peter J., St. Louis, Mo. Ventilator. 1,778,546; Oct. 14.
- Boden, Ernest G., Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing. 1,768,460; June 24.
- Boden, Georg, Leipzig-Bohlis, Germany. Two-stroke-cycle internal-combustion engine. 1,760,737; May 27.
- Boden, George, assignor to Scoville Manufacturing Company, Waterbury, Conn. Window-screen clip. 1,774,166; Aug. 26.
- Boden, George, assignor to Scovell Manufacturing Company, Waterbury, Conn. Penholder. 1,783,215; Dec. 2.
- Boden, George, assignor to Scovill Manufacturing Company, Waterbury, Conn. Paper clip. 1,785,511; Dec. 16.
- Boden, Oliver, Birmingham, England. Mounting dynamos on motor vehicles. 1,762,571; June 10.
- Bodendieck, Henry W., assignor to Tips Tool Company, Incorporated, Taylorville, Ill. Operating device for hot-line clamps. 1,744,356; Jan. 21.
- Bodenhamer, George E., Bray, Calif. Pressure-operated switch. 1,779,355; Oct. 21.
- Bodenstein, Jacob, Herkimer, N. Y. Typewriter desk. 1,754,303; Apr. 15.
- Bodenstein, Paul, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Discharge means for tube or ball mills. 1,753,685; Apr. 8.
- Bodge, Horace A., White Plains, N. Y. and J. C. Emley, Melrose Park, Pa. Bake oven. 1,753,914; Apr. 8.
- Bodin, George, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine truck. 1,765,400; June 24.
- Bodine, Alfred V., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph stop. 1,754,454; Apr. 15.
- Bodine, Alfred V., Fairfield, assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,760,628; May 27.
- Bodle, Virgil H. (See Richardson, C. M., and Bodle.)
- Bodmer, Albert, assignor to Heberlein & Co., A. G., Wattwil, Switzerland. Dyeing. Re17,894; Dec. 2.
- Bodmer, Christian, assignor to The Stanley Works, New Britain, Conn. Saw set. 1,746,692; Feb. 11.
- Bodmer, Christian, assignor to The Stanley Works, New Britain, Conn. Bench vise. 1,765,321; June 17.
- Bodoh, Francis M., Kewaunee, Wis. Dirigible spotlight for automobiles. 1,774,697; Sept. 2.
- Bodourian, Vahan. (See Aznak, V., and Bodourian.)
- Bodrero, Baptistin, Paris, France. Fertilizer with a base of phosphate and sulphur. 1,777,908; Oct. 7.
- Body, Joseph J. and R. A., Dante, Va. Mine-car dump-registering means. 1,785,433; Dec. 16.
- Body, Rebecca A. (See Body, Joseph J. and R. A.)
- Boe, Hans C., Joliet, Ill. Window fixture. 1,776,764; Sept. 23.
- Boecker, Elizabeth. (See Lorenz, C., and Boecker.)
- Boecking, Ewald. (See Frappier, L. S., and Boecking.)
- Boedtcher, Franz A., Bergenfield, assignor to Otis Elevator Company, Jersey City, N. J. Door-operating means for elevators. 1,746,850; Feb. 11.
- Boedtcher, Franz A., Bergenfield, assignor to Otis Elevator Company, Jersey City, N. J. Elevator-wiring system. 1,746,851; Feb. 11.
- Boedtcher, Franz A., Bergenfield, N. J., assignor to Otis Elevator Company, Jersey City, N. J. Safety device for elevator cage and shaft doors. 1,752,476; Apr. 1.
- Boedtcher, Franz A., Bergenfield, assignor to Otis Elevator Company, Jersey City, N. J. Cut-off switch for elevator annunciators. 1,767,870; June 24.
- Boedtcher, Franz A., Bergenfield, assignor to Otis Elevator Company, Jersey City, N. J. Elevator-signal-restoration system. 1,767,871; June 24.
- Boedtcher, Franz A., Bergenfield, assignor to Otis Elevator Company, Jersey City, N. J. Electric switch. 1,768,027; June 24.
- Boegehold, Alfred L. (See Williams, H. M., and Boegehold.)
- Boegehold, Alfred L., assignor to General Motors Research Corporation, Detroit, Mich. Mold for metallic castings. 1,759,831; May 27.
- Boegehold, Alfred L., and C. R. Short, assignors to General Motors Research Corporation, Detroit, Mich. Friction material. 1,757,408; May 6.
- Boehle, Frederick. (See Merolle, A. L., and Boehle.)
- Boehler, Raymond F., jr., Springfield, assignor to The Williams Company, London, Ohio. Steel-wool holder with pad. 1,783,775; Dec. 2.
- Boehm, Albert F., Lake Villa, Ill. Fish lure. Des. 81,433; June 24.
- Boehm, Albert N. (See Hess, M., and Boehm.)
- Boehm, George F., Chicago, Ill. Bath fixture. 1,783,492; Dec. 2.
- Boehm, Nicholas, A., et al. (See Dearmann, James, assignor.)
- Boehm, Paul, Gorlitz, Germany. Centrifugal machine. 1,742,643; Jan. 7.
- Boehme, Arthur E., and F. A. Nestle, Astoria, assignors to Otis Elevator Company, New York, N. Y. Hall lantern. 1,770,373; July 15.
- Boehmer, Spencer U., Lombard, Ill. Bottle. Des. 81,434; Apr. 8.
- Boehnke, Ulrich J., San Juan, Tex. Rotary conveyer and washer for vegetables and fruits. 1,765,647; June 24.
- Boehringer, C. H. Sohn, Chemische Fabrik. (See Wieland, Hermann, assignor.)
- Boeing Airplane Company. (See Canney, Frank R., assignor.)
- Boeing Airplane Company. (See Johnson, Carl E., assignor.)
- Boeing Airplane Company. (See Marsh, Louis S., assignor.)
- Boeing Airplane Company. (See Minshall, Robert J., assignor.)
- Boeker, John S., Lyons, Iowa. Envelope. 1,745,289; Jan. 28.
- Boella, Giovanni, assignor to Soc. An. Officine Di Villar Perosa, Turin, Italy. Shock absorber. 1,782,457; Nov. 25.
- Boer, Westinus, Groton, Conn. Propelling device. 1,750,382; Mar. 11.
- Boes, George F., Indianapolis, Ind. Building construction. 1,746,816; Feb. 11.
- Boesch, Christian, Marstetten, Switzerland. Gaining wax from honeycombs. 1,748,700; Feb. 25.
- Boesch, William J., assignor to The Meyer Furnace Co., Peoria, Ill. Furnace. 1,741,021; Jan. 14.
- Boeschel, Frederick, East Rutherford, N. J. Bottle-rinsing machine. 1,783,776; Dec. 2.
- Boese, Edward H., Villa Park, assignor to Chicago Portrait Company, Chicago, Ill. Picture frame. 1,742,378; Jan. 7.
- Boesel, Otto A., Ansonia, assignor to The H. A. Matthews Manufacturing Company, Seymour, Conn. Luggage lock. Des. 81,911; Sept. 2.
- Boesel, Otto A., Ansonia, assignor to The H. A. Matthews Manufacturing Company, Seymour, Conn. Luggage lock. Des. 82,926; Dec. 30.
- Boesen, Anthony P. J., Richmond Hill, N. Y. Power-supply system. 1,773,939; Aug. 26.
- Boesger, George A., assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Automatic air-escape valve for sand-blast pressure tanks. 1,761,174; June 3.
- Boesger, George A., assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Continuous dust arrester. 1,775,304; Sept. 9.
- Boettcher, Gustav A., Jamaica, assignor to Multi-Needle Engineering Corporation, New York, N. Y. Braiding device. 1,748,667; Feb. 25.
- Boetter, Albert V., assignor of one-half to H. P. Ullman, Chicago, Ill. Lamp. Des. 82,130; Sept. 30.
- Boettger, Henry W., et al. (See Michailovsky, Nicholas M., assignor.)
- Boever, Anne M., Hartford, Conn., assignor to The Sillex Company. Stand for coffee makers. Des. 81,912; Sept. 2.
- Boever, Anne M., Hartford, Conn., assignor to The Sillex Company. Heater stand for coffee makers. Des. 81,913; Sept. 2.
- Boever, Anne M., Hartford, Conn., assignor to The Sillex Company. Handle for coffee makers. Des. 81,914; Sept. 2.
- Boeye, Paul F., St. Paul, Minn., assignor to Waldorf Paper Products Company. Fiber container. 1,743,702; Jan. 14.
- Boeye, Paul F., St. Paul, Minn., assignor to Waldorf Paper Products Company. Composite shipping case. 1,743,703; Jan. 14.
- Bogaard, Peter A. (See Hanrahan, Joseph F., assignor.)
- Bogard, Frank T., Oakland, Calif. Air purifier and cooler. 1,758,997; May 20.
- Bogardus, Arthur G., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating petroleum oil. 1,753,769; Apr. 8.
- Bogardus, Charles C. (See McCoy, Charles H., assignor.)
- Bogdanffy, George W., Clifton, N. J., assignor, by mesne assignments, to Sipp Eastwood Corporation, Paterson, N. J. Warming-machine indicator. 1,759,090; May 20.
- Bögemann, Max, Elberfeld, and H. Friedrich, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing vulcanized rubber. 1,783,216; Dec. 2.
- Bogg, William A., Fairfield, Conn. Automobile axle. 1,769,105; July 1.
- Boggs, Charles R., Waban, assignor to Simplex Wire and Cable Company, Boston, Mass. Cable. 1,752,974; Apr. 1.
- Boggs, Charles R., Waban, assignor to Simplex Wire and Cable Company, Boston, Mass. Electric cable. 1,759,883; May 27.

- Boggs, Clarence E., Boise, Idaho, assignor to Edison Electric Appliance Company, Inc. Electric heating system. 1,749,692; Mar. 4.
- Boggs, Clarence E., Boise, Idaho, assignor to Edison Electric Appliance Company, Inc. Control switch. 1,749,693; Mar. 4.
- Bogin, Charles, and C. W. Simms, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Esters of alpha hydroxy-iso-butyric acid. 1,775,636; Sept. 16.
- Bogle, John C., River Forest, assignor, by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind. Electrical switch. 1,765,297; June 17.
- Bognar, Bela, New York, N. Y. Electric heater. 1,767,044; June 24.
- Bogoslowsky, Boris M., Ferguson, Mo., assignor, by mesne assignments, to The Universal Match Corporation. Match-splint machine. 1,769,914; July 8.
- Boh, George W. (See Tamke, F. W., and Boh.)
- Bohart, James G., Flushing, assignor to Sinclair Refining Company, New York, N. Y. Display device. 1,778,414; Oct. 14.
- Bohl, Hugo, Westfield, N. J., assignor to Radiant Lighting Fixture Co., Inc., New York, N. Y. Lighting fixture or article of similar nature. Des. 81,174; May 20.
- Bohl, Hugo, Westfield, N. J., assignor to Radiant Lighting Fixture Co., Inc., New York, N. Y. Lighting fixture or article of similar nature. Des. 81,572; July 15.
- Bohl, Hugo, Westfield, N. J., assignor to Radiant Lighting Fixture Co., Inc., New York, N. Y. Lighting fixture or article of similar nature. Des. 82,415; Nov. 4.
- Bohl, Hugo, Westfield, N. J., assignor to Radiant Lighting Fixture Co., Inc., New York, N. Y. Glass shade for a lighting fixture or article of similar nature. Des. 82,477; Nov. 11.
- Bohl, Hugo, Westfield, N. J., assignor to Radiant Lighting Fixture Co., Inc., New York, N. Y. Glass shade for a lighting fixture or article of similar nature. Des. 82,478; Nov. 11.
- Bohl, Hugo, Westfield, N. J., assignor to Radiant Lighting Fixture Co., Inc., New York, N. Y. Lighting fixture or article of similar nature. Des. 82,539; Nov. 18.
- Bohlen, Charles, Jr., assignor to International Motor Company, New York, N. Y. Support for tillermen's seats. 1,774,194; Aug. 26.
- Böhlting, Rudolf H., assignor to the firm of Rohrbogenwerk Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Apparatus for producing bent pipes of correct prescribed lengths. 1,781,567; Nov. 11.
- Bohlken, Edward M. (See Buchanan, L. L., and Bohlken.)
- Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Condenser. 1,748,104; Feb. 25.
- Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Switch mechanism. 1,759,834; May 27.
- Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Rheostat. 1,778,306; Oct. 14.
- Bohm, Alfred, Brooklyn, N. Y. Dental floss saw. 1,771,026; July 22.
- Böhm, Erich, Vienna, Austria. Treating animal hair and wool with chlorine. 1,756,723; Apr. 29.
- Böhm, Erich, Vienna, Austria. Increasing the luster of goods made of animal hair and wool. 1,760,738; May 27.
- Bohm, Robert. (See Beutel, Werner, assignor.)
- Bohm, Stephen F., Cicero, Ill. Anchor and reel therefor. 1,753,737; Apr. 8.
- Böhm, Viktor, Vienna, Austria. Dyeing apparatus. 1,744,740; Jan. 28.
- Böhm, Viktor, Vienna, Austria. Dyeing apparatus. 1,744,741; Jan. 28.
- Bühme, H. Th. A. G. (See Bertsch, Heinrich, assignor.)
- Bohn Aluminum & Brass Corporation. (See Bateman, A. T., and Irvine, assignors.)
- Bohn Aluminum & Brass Corporation. (See Bateman, A. T., and Storey, assignors.)
- Bohn Aluminum and Brass Corporation. (See Eggenweiler, Charles W., assignor.)
- Bohn Aluminum & Brass Corporation. (See Eggenweiler, C. W., and Fiegel, assignors.)
- Bohn Aluminum & Brass Corporation. (See Fiegel, William J., assignor.)
- Bohn Aluminum and Brass Corporation. (See Fiegel, W. J., and Enderich, assignors.)
- Bohn Aluminum & Brass Corporation. (See Jones, F. C., and Enderich, assignors.)
- Bohn Aluminum & Brass Corporation. (See Miller, Rudolph, assignor.)
- Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
- Bohn, Donald I. (See Carpenter, C. F., and Bohn.)
- Bohn, Edward J. (See Green, E. A., and Bohn.)
- Bohn, Gebhard C., St. Paul, Minn. Refrigerator. 1,746,517; Feb. 11.
- Bohn, Gebhard C., St. Paul, Minn. Detachable refrigerator cabinet. 1,774,049; Aug. 26.
- Bohn, William C., Wyoming, N. J., assignor to American Telephone and Telegraph Company. Automatic selection of receiving channels. 1,747,218; Feb. 18.
- Bohne, William A., assignor to D. F. Houghton & Company, Philadelphia, Pa. Machine for forming loom pickers. 1,780,111; Oct. 28.
- Bohnhardt, Charles F. H., Lynwood, assignor to J. A. Campbell, Long Beach, Calif. Tank-roof structure. 1,754,596; Apr. 15.
- Bohnhardt, Charles F. H., Lynwood, assignor to J. A. Campbell, Long Beach, Calif. Oil-tank expansion joint. 1,754,597; Apr. 15.
- Bohnsack, John A., Cleveland Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Adjustable plinth block. 1,773,704; Aug. 19.
- Bohrer, Raymond E. (See Payne, W. B., Bohrer, and Fuhlborn.)
- Bohrer, Raymond E., W. B. Payne and C. G. Tiefel, deceased, by E. M. Tiefel, executrix, assignors to The Todd Company, Incorporated, Rochester, N. Y. Check writer. 1,787,234; Dec. 30.
- Boice, John E. (See Boice, William B. and J. E.)
- Boice, William B. and J. E., Toledo, Ohio. Adjustable table for woodworking machines and the like. 1,742,644; Jan. 7.
- Boidin, Auguste, Seclin, France, and J. Effront, Brussels, Belgium. Producing bacterial enzyme preparations. 1,744,742; Jan. 28.
- Boilard, Raphael, Brooklyn, N. Y. Internal-combustion engine. 1,743,107; Jan. 14.
- Boileau, Arthur H., Cedar Rapids, Iowa, assignor, by mesne assignments, to Cherry-Burrell Corporation, Wilmington, Del. Pasteurizing apparatus. 1,786,819; Dec. 30.
- Boiler Equipment Company. (See Miller, Don M., assignor.)
- Boisseau, Edmond, and E. J. Duffy, New York, N. Y. Printing press. 1,744,204; Jan. 21.
- Boisseau, Edmond, and E. J. Duffy, New York, N. Y. Printing press. 1,744,205; Jan. 21.
- Boissiere, Adolphe H. R. J., Brussels, Belgium. Piston engine. 1,774,251; Aug. 26.
- Boix, Mariano A., Mayaguez, P. R. Collar. 1,751,027; Mar. 18.
- Boizard, Raoul, Paris, France. Reflector water gauge. 1,750,383; Mar. 11.
- Boklund, Harry A., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. Des. 82,791; Dec. 16.
- Bol, Cornelis, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Discharge tube. 1,757,233; May 6.
- Bol, Cornelis, Eindhoven, and J. J. Numans, Hilversum, Netherlands, assignors to Radio Corporation of America. Electric discharge device. 1,761,175; June 3.
- Bol, Cornelis, and B. van der Pol, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Discharge tube. 1,745,887; Feb. 4.
- Boland, Charles R., Baltimore, Md. Milk-bottle-cap remover and inserter. 1,757,510; May 6.
- Boland, Joseph J., Keyport, N. J., assignor, by mesne assignments, to Upperco-Burnelli Corporation. Pinion mechanism. 1,744,743; Jan. 28.
- Boland, Joseph J., Keyport, N. J., assignor to Aeromarine Plane & Motor Co., Inc. Internal-combustion engine. 1,765,713; June 24.
- Bolard, Alfred J. G., Vernon, Eure, assignor to "Rusbol," Société à Responsabilité Limitée, Clichy, France. Wheel-lifting device. 1,782,400; Nov. 25.
- Bolard, Alfred J. G., Vernon, assignor to "Rusbol," Société à Responsabilité Limitée, Clichy, France. Automobile jack. 1,783,822; Dec. 2.
- Bold, Frederick W., assignor, by mesne assignments, to Chelsea Clock Company, Chelsea, Mass. Mechanical time fuse. 1,777,547; Oct. 7.
- Boldizsar, Frank, Rakospalota, Hungary. Self-balancing planifier. 1,782,561; Nov. 25.
- Boldridge, Austin G., Houston, Tex. Aircraft. 1,754,007; June 24.
- Boldt, John, New York, N. Y. Woodwork-channeling machine. 1,779,206; Oct. 21.
- Bolduc, Joseph A., Montreal, Quebec, Canada, assignor to Automobile "Lock-Alarm" Corporation, New York, N. Y. Alarm apparatus. 1,781,096; Nov. 11.
- Bolduc, Joseph A., Montreal, Quebec, Canada, assignor to Automobile "Lock-Alarm" Corporation, New York, N. Y. Alarm apparatus. 1,782,190; Nov. 18.
- Bolender, Joel D., assignor to The George R. Carter Company, Connersville, Ind. Molding for upholstery. 1,744,744; Jan. 28.
- Bolens, Harry W., Port Washington, Wis. Chair iron. 1,767,166; June 24.
- Boles, George I., Wayne, Pa. Lock nut. 1,755,807; Apr. 22.
- Belger, Robert S., Jamaica, assignor to J. Amendolara, New York, N. Y. Loading apparatus. 1,763,499; June 10.
- Bolin, Carleton H., Seattle, Wash., assignor to American Telephone and Telegraph Company. Pole planer. 1,758,025; May 13.
- Bolin, John F., Stocksund, Sweden. Signal arrangement for automobiles. 1,770,835; July 15.
- Bolin, Leonard M. (See Bolin, Stanley, assignor.)
- Bolin, Stanley, assignor of one-half to L. M. Bolin, Chicago, Ill. Cover for vehicle springs. 1,762,954; June 10.
- Bolin, Stanley, assignor of one-half to L. M. Bolin, Chicago, Ill. Cover for vehicle springs. 1,762,955; June 10.
- Bolinder, Erik A., Stockholm, Sweden. Handle. 1,749,752; Mar. 11.
- Bolinder, Erik A., Stockholm, Sweden. Saw blade. 1,752,586; Apr. 1.

- Bollinger, Charles M., St. Louis, Mo. Clothes hanger. 1,760,739; May 27.
- Boll, Lambert, New York, N. Y. Envelope opener. 1,756,113; Apr. 29.
- Boll, Lester P., Maplewood, assignor to W. N. Matthews Corporation, St. Louis, Mo. Cartridge. 1,762,607; June 10.
- Boll, Lester P., Maplewood, and A. C. Hansen, jr., assignors to W. N. Matthews Corporation, St. Louis, Mo. Disconnecting choke-coil switch. 1,760,895; June 3.
- Bolland, Arthur M., Lockport, N. Y. Safety holder. 1,763,128; June 10.
- Bolle, Léon E., assignor to La Nationale Société Anonyme, Geneva, Switzerland. Inflammable-liquid lighter. 1,774,959; Sept. 2.
- Bolles, Julius H., Detroit, and F. C. Pearson, Lansing, assignors to General Motors Corporation, Detroit, Mich. Transmission lock. 1,762,116; June 3.
- Bollesen, Martinus P., Plainview, Nebr. Shade attachment for automobiles. 1,746,334; Feb. 11.
- Bollheimer, Rhineland, Fort Loramie, Ohio. Window awning. 1,771,554; July 29.
- Bolling, John E., East Orange, N. J. Telephone-conductor take-up. 1,781,191; Nov. 18.
- Bollinger, Edward, Worcester, Mass. Curtain-operating mechanism for automobiles. 1,746,458; Feb. 11.
- Bollinger, Elmer N., et al. (See Bollinger, William A., assignor.)
- Bollinger, John C., Olympia, Wash. Sleeve holder. 1,782,057; Nov. 18.
- Bollinger, Paul, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Armature ventilation. 1,752,364; Apr. 1.
- Bollinger, William A., et al. (See Bollinger, William A., assignor.)
- Bollinger, William A., assignor of one-fourth to W. A. Bollinger and one-fourth to E. N. Bollinger, Pittsburgh, Pa. Heating apparatus. 1,765,048; June 17.
- Bollman, C. P. (See Fuller, Charles H., assignor.)
- Bollmann, Hermann, Hamburg, Germany. Bleaching fatty oils, mineral oils, and the like. 1,754,599; Apr. 15.
- Bollmann, Hermann, Hamburg, Germany. Purification of phosphatides. 1,776,720; Sept. 23.
- Bollmann, Hermann, Hamburg, Germany. Producing uniform pulverulent mixtures. 1,776,721; Sept. 23.
- Bollmann, Hermann, Hamburg, Germany. Apparatus for distilling fatty acids. 1,781,745; Nov. 18.
- Bollmann, Hermann, Hamburg, Germany, assignor, by mesne assignments, to M. F. Foster, Washington, D. C. Deodorizing fats and fatty oils. 1,754,598; Apr. 15.
- Bollock, John G., Hastings, Nebr. Safety appliance. 1,748,860; Feb. 25.
- Bollock, John G., Hastings, Nebr. Safety device for pneumatic hammers. 1,785,177; Dec. 16.
- Bollweg, Bernhard. (See Kramer, E., Bollweg, and Zeh.)
- Bollweg, Bernhard. (See Kramer, E., Zeh, and Bollweg.)
- Bollwine, Mary A., Tampico, Mex. Brassière. 1,766,278; June 24.
- Bolster, Calvin M., Lakehurst, N. J. Pump. 1,780,614; Nov. 4.
- Bolton, Becher B., Rosemead, assignor to W. Steen, Brea, Calif. Tile block. Des. 82,657; Dec. 2.
- Bolton, Edith M., Gerrard's Cross, England. Spoon. 1,781,973; Nov. 18.
- Bolton, Elmer K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentration of ores by flotation. 1,780,000; Oct. 28.
- Bolton, Elmer K., Wilmington, Del., and F. B. Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing butadiene. 1,777,600; Oct. 7.
- Bolton, Harry D., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. Des. 82,076; Sept. 23.
- Bolton, Jesse O. (See Joyce, Harold L., assignor.)
- Boltshauser, Heinrich, assignor to the firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Hydraulic clutch mechanism. 1,748,827; Feb. 25.
- Boltz, Fred S., Mansfield, Mass. Soil-water catch basin and heat reclaimer. 1,783,033; Nov. 25.
- Boltz, Fred S., Mansfield, Mass. Catch basin for soil-water-heat reclaimers. 1,783,950; Dec. 9.
- Bombard, Joseph A., and R. J. Rogers, Saranac Lake, N. Y., assignors of one-half to E. W. Dixon, Baltimore, Md. Ventilator. 1,746,099; Feb. 4.
- Bomberger, Charles C., St. Olaf, Iowa. Butter-composition test. 1,748,668; Feb. 25.
- Bömcke, Kurt, Neubabelsberg-Bergstücken, near Berlin, assignor to Firm Deutsche Erdöl-Aktiengesellschaft, Berlin-Schöneberg, Germany. Gas-purifying apparatus. 1,777,957; Oct. 7.
- Bomford, Douglas R., Evesham, and S. B. Alley, London, England. Adjustable cultivator. 1,779,158; Oct. 21.
- Bömlg, Rudolf, Rothera/Liepzg, Germany. Rail-bonding means. 1,755,765; Apr. 22.
- Bommer, Fred W., Everett, Mass. Making rubber thread. 1,756,171; Apr. 29.
- Bommer, Fred W., Everett, Mass. Thread-cutting machine. 1,756,172; Apr. 29.
- Bommer, Fred W., Everett, Mass. Thread cutting and forming machine. 1,764,775; June 17.
- Bona, Stephen, Bridgeport, Conn. Flask-slide fitting. 1,746,233; Feb. 11.
- Bonat, Harry, New York, N. Y. Hair-waving apparatus. 1,744,440; Jan. 21.
- Bonat, Harry, New York, N. Y. Hair-permanent-waving apparatus. 1,756,451; Apr. 29.
- Bonat, Harry, New York, N. Y. Hair-permanent-waving heater. 1,774,586; Sept. 2.
- Bonaventura, Philip, Philadelphia, Pa. Dispensing receptacle for cigars and cigarettes. 1,766,097; June 24.
- Bond, Alexander R., executor. (See Baum, Leo, assignor.)
- Bond, Clark W., Denver, Colo. Stationary-padding device. 1,763,749; June 14.
- Bond Electric Corporation. (See Casella, S. L., and Reinhardt, assignors.)
- Bond Electric Corporation. (See Puckett, Paul R., assignor.)
- Bond Electric Corporation. (See Reinhardt, Otto K., assignor.)
- Bond, Jayson K., assignor to Federal Asbestos & Cork Insulation Co., Milwaukee, Wis. Floral case. 1,753,594; Apr. 8.
- Bond, John W., Victoria, British Columbia, Canada. Floating sinker. 1,749,464; Mar. 4.
- Bond, Joseph E., Appleton, Wis. Agitator. 1,754,255; Apr. 15.
- Bond, Joseph E., Appleton, Wis. Agitator. 1,780,166; Nov. 4.
- Bond, Joseph T. (See Wright, W. L., and Bond.)
- Bond, Samuel C., Holly Oak, Del. Machine for filling and capping bottles. 1,756,114; Apr. 29.
- Bond, Sherman G., Wichita, Kans. Tire-indicator switch. 1,773,215; Aug. 19.
- Bond, William A. (See Robbins, Frank D., assignor.)
- Bondesen, Aage N., Copenhagen, Denmark. Carburetor. 1,753,108; Apr. 1.
- Bondeson, Selma O., Seattle, Wash. Educational device. 1,781,047; Nov. 11.
- Bondiek, Ernest, Guttenberg, N. J. Multiple-filament lamp. 1,775,187; Sept. 9.
- Bondy Auto Top Company, The. (See Bondy, Charles M., assignor.)
- Bondy, Charles M., assignor to The Bondy Auto Top Company, Cleveland, Ohio. Button. Re17,877; Nov. 25.
- Bondziulis, Charles A., Waterbury, Conn. Automatic stop for double-pile-fabric looms. 1,762,382; June 10.
- Bone, Dave S., et al. (See Cowle, Frederick E., assignor.)
- Bone, Evan P., Cincinnati, Ohio. Head lamp. 1,761,811; June 3.
- Bone, Herbert L., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-braking apparatus. 1,777,635; Oct. 7.
- Bone, Herbert L., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-braking apparatus. 1,777,636; Oct. 7.
- Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,750,345; Mar. 11.
- Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-car retarder. 1,778,518; Oct. 14.
- Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-car retarder. 1,778,519; Oct. 14.
- Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-car retarder. 1,786,286; Dec. 23.
- Bone, Joseph G., Long Beach, Calif. Core barrel. 1,761,292; June 3.
- Bone, William H., jr., Douglas, Ga. Tire-alarm switch. 1,775,629; Sept. 16.
- Bonehill, Walter H., Rochester, N. Y. Combination scissors and pliers. 1,775,086; Sept. 9.
- Bonell, Ralph K., East Orange, N. J., assignor to American Telephone and Telegraph Company. Contact-making device. 1,759,933; May 27.
- Bonell, Ralph O., Kenosha, Wis. Voice builder. 1,759,972; May 27.
- Boney, Floyd C., Fort Madison, Iowa. Aeroplane. 1,769,487; July 1.
- Bonfield, Emmons W., assignor to American Box Board Company, Grand Rapids, Mich. Table top. 1,750,256; Mar. 11.
- Bonham, Guy L., West Hartford, Conn. Game apparatus. Des. 81,573; July 15.
- Bonhôte, Gerald, Montana, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs of the pyrazolone series and making same. 1,771,767; July 29.
- Bonifacio, Harry. (See Campau, Julian G., assignor.)
- Bonin, Alfred M., jr., Pawtucket, R. I. Seat for toilet bowls. 1,746,303; Feb. 11.
- Bonnar-Vawter Fanform Company. (See Fulk, George L., assignor.)
- Bonnat, Max, Lyon, France. Centrifugal switch. 1,744,745; Jan. 28.
- Bonnat, Max P., assignor of one-half to Peter Podell Co., Inc., New York, N. Y. Acoustic device. 1,765,124; June 17.
- Bonne, Cornelius S., Rockford, Ill. Elastic shoe lace. 1,772,238; Aug. 5.
- Bonnell, William A., Brooklyn, N. Y. Outlet-box clamp bushing. 1,750,257; Mar. 11.
- Bonner, Douglas E., et al. (See Lorimer, George W., assignor.)
- Bonner, James M., jr., Los Angeles, Calif. Housing for flush pipes. 1,773,722; Aug. 26.

- Bonner, Sibley, Detroit, Mich. Window-sash fastener. 1,763,638; June 17.
- Bonney-Floyd Company, The. (See Edmunds, Glenn E., assignor.)
- Bonney, Robert D., Glen Ridge, N. J., and W. Y. Irwin, jr., Moores, Pa., assignors to Congoleum-Nairn, Inc. Floor covering. 1,784,810; Dec. 16.
- Bonnington, Alexander, assignor to Alton Barium Products Company, Alton, Ill. Manufacturing bricks. 1,758,026; May 13.
- Bonnot Company, The. (See Bonnot, Louis C., assignor.)
- Bonnot, Louis C., Louisville, Ohio, assignor to The Bonnot Company, Canton, Ohio. Disk feeder and mixer. 1,781,097; Nov. 11.
- Bono, Andrew, New York, N. Y. Shoe heel. 1,742,894; Jan. 7.
- Bonsall, Charles D., assignor to P. H. Murphy Company, New Kensington, Pa. Carline reinforcement and load-lifting arrangement. 1,781,775; Nov. 18.
- Bonser, Ernest F., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Pattern-copying machine. 1,783,951; Dec. 9.
- Bonsieur, Le, assignor to The General Industries Company, Elyria, Ohio. Commutator and making same. Re17,801; Sept. 16.
- Bonsieur, Le, assignor to The General Industries Company, Elyria, Ohio. Phonograph turntable. 1,754,416; Apr. 15.
- Bonsor, Walter, Chicago, Ill. Circuit closer. 1,765,752; June 24.
- Bonte, Georg, assignor to Vereinigte Eisenbahn-Signalwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany. Electrically-operated track switch. 1,777,825; Oct. 7.
- Bontya, John. (See Williams, A., and Bontya.)
- Bonus Candy Corporation. (See Lanzi, Elmo G., assignor.)
- Bonus, George Y., Chicago, Ill., assignor to Erie City Iron Works, Erie, Pa. Boiler. 1,753,687; Apr. 8.
- Boody, Erwin H. (See Parsons, W. E., and Boody.)
- Booe, John A. (See Seward, R. R., and Booe.)
- Boomer, Edward H., Edmonton, Alberta, assignor to The Governors of the University of Alberta, Edmonton, Canada. Oxidation of natural gas. 1,776,771; Sept. 30.
- Boomershine, Adam, assignor to one-half to G. W. Nicholas, Dayton, Ohio. Machine for dispensing paper. 1,745,888; Feb. 4.
- Boone, Daniel, Mining Machine Company. (See Hess, Louis F., assignor.)
- Boor, Arthur, assignor to The Willys-Overland Company, Toledo, Ohio. Cylinder head. 1,748,105; Feb. 25.
- Boor, Theodore A., Asheville, Ohio. Harvesting machine. 1,743,013; Jan. 7.
- Booraem, John F. (See Sutphen, R. M., and Booraem.)
- Booraem, John F., Greenwich, Conn. Furnace-arch structure. 1,743,108; Jan. 14.
- Booraem, John F., Greenwich, Conn. Subaqueous illumination of swimming pools. 1,762,383; June 10.
- Booraem, John F., and E. J. Hatton, Greenwich, Conn. Furnace structure. 1,763,919; June 17.
- Boorum & Pease Company. (See Finley, Charles A., assignor.)
- Boorum & Pease Company. (See Mortensen, Jens N., assignor.)
- Boorum & Pease Company. (See Von Auw, Alwin, assignor.)
- Boos, Henry P. (See Pommer, John A., assignor.)
- Boosey & Company Limited. (See Davis, Lewis, assignor.)
- Boosey, Edward W. N., Detroit, Mich. Back-pressure valve for drainage systems. 1,749,098; Mar. 4.
- Boosey, Edward W. N., Detroit, Mich. Sheet-metal vent-pipe connection. 1,774,631; Sept. 2.
- Boosey, Edward W. N., Detroit, Mich. Floor drain. 1,786,558; Dec. 30.
- Boosey, Edward W. N., Detroit, Mich. Drainage fitting. 1,786,597; Dec. 30.
- Boosinger, Oswald L., Independence, Kans. Battery terminal. 1,756,724; Apr. 29.
- Boote, Charles, Jacksonville, Fla. Filing device. 1,770,836; July 15.
- Booth, Anna B., Richmond, Ind. Massage machine. 1,769,616; July 1.
- Booth, Augustus D., Columbus, Ohio. Roller bearing. 1,763,750; June 17.
- Booth, Benjamin W., Ketchikan, Alaska. Animal trap. 1,782,253; Nov. 18.
- Booth, Byron C., Muskegon Heights, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Toilet seat. 1,784,620; Dec. 9.
- Booth, Byron C., Muskegon Heights, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Toilet seat. 1,784,807; Dec. 9.
- Booth, Charles F., Anniston, assignor, by mesne assignments, to Swann Research, Inc., Birmingham, Ala. Treatment of phosphoric acid. 1,777,548; Oct. 7.
- Booth, Charles F., A. B. Gerber, Anniston, Ala., and P. Logue, St. Louis, Mo., assignors to Federal Phosphorus Company, Birmingham, Ala. Sodium borate tri-sodium phosphate compound and process for its manufacture. 1,759,152; May 20.
- Booth, Charles W., Chicago, Ill. Uncoupling device. 1,781,491; Nov. 11.
- Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Producing noncylindrical articles. 1,783,034; Nov. 25.
- Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,787,337; Dec. 30.
- Booth, George W., Baltimore, Md., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., New York, N. Y. Jig for forming closely-spaced holes. 1,776,537; Sept. 23.
- Booth, Lewis M., Plainfield, N. J. Manufacture of pulp and paper. 1,761,069; June 3.
- Booth, Nicol A., Dunedin, New Zealand. File guide for saw sharpening. 1,781,626; Nov. 11.
- Booth, Ralph D., Salem, N. H., assignor to Jackson & Moreland, Boston, Mass. Apparatus for regulating alternating-current generators. 1,742,633; Jan. 7.
- Booth, William H., Baton Rouge, La. Wall-board tack or staple. 1,774,867; Sept. 2.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Disk wheel. Des. 82,540; Nov. 18.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wood wheel. Des. 82,541; Nov. 18.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Apparatus for forming brake drums. 1,747,463; Feb. 18.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wire-spoked vehicle wheel. 1,748,168; Feb. 25.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wire-spoked vehicle wheel. 1,748,630; Feb. 25.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming vehicle wheels. 1,748,631; Feb. 25.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Work chuck. 1,756,970; May 6.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Apparatus for forming spoke holes in wire wheel rims. 1,762,542; June 10.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Apparatus for forming cup-shaped members. 1,766,098; June 24.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Device for securing wheel bodies to wheel hubs. 1,766,099; June 24.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wire wheel. 1,766,100; June 24.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Rim sizing and punching machine. 1,766,214; June 24.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Brake drum. 1,766,215; June 24.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Brake drum. 1,766,216; June 24.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Machine for sizing and perforating rims. 1,766,217; June 24.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming vehicle wheel disks. 1,784,218; Dec. 9.
- Boothman, Dale M., Oakmont, and J. A. Cullerton, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Joint and making the same. 1,776,615; Sept. 23.
- Boots, Edmund R., Short Hills, R. W. Luce, Maplewood, and V. L. Oestnaes, Westfield, assignors to American Gasaccumulator Company, Elizabeth, N. J. Reflector for automobiles. 1,751,070; Mar. 18.
- Bopp, Frederick W., Providence, and K. L. Volk, Norwood, assignors to American Jewelry Chain Company Incorporated, Providence, R. I. Bracelet. 1,744,206; Jan. 21.
- Bora, Frank W., et al., trustees. (See Arey, Fred C., assignor.)
- Borchers, Heinrich, assignor of an undivided part to R. Aldag, Nienburg on Weser, Germany. Brake band. 1,771,204; July 22.
- Borchert, Fred L., Rockford, Ill. Work holding and transferring mechanism. 1,763,684; June 17.
- Borchert, Fred L., Rockford, Ill. Workholder. 1,763,685; June 17.
- Bordas de la Fé, César, Habana, Cuba. Plow. 1,782,598; Nov. 25.
- Bordeaux, Claude G., Slingerlands, N. Y. Coffeepot. 1,756,725; Apr. 29.
- Borden, Arthur G., Washington, D. C., assignor to The Borden Method Incorporated. Permanent-hair-waving appliance. Re17,832; Oct. 21.
- Borden, Arthur G., assignor to The Borden Method, Inc., Washington, D. C. Hair-waving apparatus. 1,770,968; July 22.
- Borden, Arthur G., assignor to The Borden Method, Inc., Washington, D. C. Permanent hair-waving appliance. 1,771,613; July 29.
- Borden Company, The. (See Elmer, Albert O., assignor.)
- Borden Company, The. (See Green, Lee B., assignor.)
- Borden Company, The. (See McClatchie, John M., assignor.)
- Borden Company. (See Nonneman, Ira W., assignor.)

- Borden Company, The. (See Olsen, Olaf C., assignor.)
 Borden Company, The. (See Taylor, Burt E., assignor.)
 Borden Method Incorporated, The. (See Borden, Arthur G., assignor.)
 Borden, Perry A., Toronto, Ontario, H. S. Baker, Niagara Falls, Ontario, and L. A. Paine, Toronto, assignors to The Lincoln Meter Company, Limited, Toronto, Canada. Measuring electrical quantities. 1,765,563; June 24.
 Borden, Stephen W. (See Roe, Ralph C., assignor.)
 Borden, Stephen W., Summit, N. J. Earth electrode. 1,783,035; Nov. 25.
 Borden, Stephen W., Summit, N. J., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electrical connector. 1,748,536; Feb. 25.
 Borden, Stephen W., Summit, N. J., assignor to Crouse-Hinds Company. Electrical connecting system. 1,754,600; Apr. 15.
 Borden, Stephen W., Summit, N. J., assignor, by mesne assignments, to Crouse-Hinds Company. Electrical connecting device for electrical connecting systems. 1,754,601; Apr. 15.
 Borderick, John K., Kirkwood, Mo. Camera. 1,778,208; Oct. 14.
 Bordes-Pagès, Henri J., Nancy, France. Apparatus for the transportation of loads. 1,744,569; Jan. 21.
 Boreau, Gabriel. (See Aubry, E., and Boreau.)
 Boreau, Gabriel, Versailles, France. Valve employed for the operation of pneumatic musical instruments. 1,743,876; Jan. 14.
 Borenstein, Abraham D., Brooklyn, N. Y. Hose supporter and the suspending means therefor. 1,746,413; Feb. 11.
 Borg & Back Company, The. (See Reed, Harold V., assignor.)
 Borg, Henry L., Stamford, Conn., assignor to Postum Company, Incorporated, Battle Creek, Mich. Food product and making same. 1,768,230; June 24.
 Borg-Warner Corporation. (See Ruesenberg, Carl A., assignor.)
 Borgan, Thoralf, Brooklyn, N. Y. Airplane construction. 1,743,020; Jan. 7.
 Borgeson, Charles A., San Francisco, Calif. Disappearing lawn sprinkler. 1,751,723; Mar. 25.
 Borgeson, Charles A., assignor of twenty-four and one-half per cent to G. W. Mitchell and twenty-four and one-half per cent to A. J. Lindersmith, San Francisco, Calif. Basement circulator. 1,753,686; Apr. 8.
 Borgeson, Gustav, Syracuse, N. Y. Heater. 1,765,201; June 17.
 Borgeson, Peter O., Miami, Fla. Window regulator. 1,772,659; Aug. 12.
 Borgstad Fabrikker. (See Goldschmidt, V. M., and Knudsen, assignors.)
 Borgfeldt, Geo., & Co. (See Ehmer, Johann, M., assignor.)
 Borghardt John H. (See Walther, G., Walkley, and Borghardt.)
 Borglin, Joseph N., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing rosin oil. 1,782,401; Nov. 25.
 Borgman, Erich J., Edgewood, and G. White, jr., Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. Tank structure. 1,743,109; Jan. 14.
 Borgmann, Charles, Great Neck, N. Y., H. E. Marting, Rutherford, and H. M. Hagland, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone switchboard. 1,779,058; Oct. 21.
 Borgnis, Samson, Olney, Pa. Garter grip. 1,781,431; Nov. 11.
 Borgquist, Alfred H., Copenhagen, Denmark. Gramophone, megaphone, or the like. 1,781,974; Nov. 18.
 Borgwardt, Erich. (See Schoeller, W., Borgwardt, and Feldt.)
 Borione, Bernard A. L., Annonay, France, assignor to The Turner Tanning Machinery Co., Peabody, Mass. Splitting and checking machinery for the treatment of skins. 1,775,666; Sept. 16.
 Borkenhagen, Herbert, and A. Olson, Chicago, Ill. Vault lock protector. 1,767,273; June 24.
 Borkhuis, Louis J., jr., Vayland, S. Dak. Mower guard. 1,755,534; Apr. 22.
 Borland, Archie M., jr., Albert Lea, Minn. Display stand. 1,751,505; Mar. 25.
 Borland, Charles R., Concord, assignor, by mesne assignments, to American Powder Company, Boston, Mass. Manufacture of smokeless powder. 1,752,881; Apr. 1.
 Borm, Ferdinand H., Chicago, Ill. Registering-device-actuating means. 1,750,456; Mar. 11.
 Born, Edwin A., assignor to American Colortype Company, Chicago, Ill. Advertising display stand. 1,751,614; Mar. 25.
 Born, Leon, Hampton, Va. Grinding machine. 1,769,823; July 1.
 Born, Philipp, Bad Homburg, Germany, assignor, by mesne assignments, to the firm of Naamlouze Vennootschap Nederlandsche Gruyère-Blokmelk Fabriek, Zwolle, Netherlands. Production of solid milk and cream preparations. 1,786,559; Dec. 30.
 Born, Sidney. (See Isham, R. M., and Born.)
 Born, Sidney, Bartlesville, and R. M. Isham, Okmulgee, Okla., assignors to S. B. Hunt, trustee, Mount Kisco, N. Y. Producing alkyl sulphates and alcohols therefrom. 1,744,207; Jan. 21.
 Bornand, Emilian, and H. A. Schlaepfer, Geneva, Switzerland. Electric furnace. 1,754,142; Apr. 8.
 Bornmann, Carl A., assignor, by mesne assignments to Agfa Ansco Corporation, Binghamton, N. Y. Turntable for tripods and the like. 1,771,523; July 29.
 Borostyan, Joseph, assignor of 40 per cent to J. Kungle, Akron, Ohio. Railway signal mechanism. 1,768,539; July 1.
 Borowik, Paul, Monaville, W. Va. Window fixture. 1,748,054; Feb. 25.
 Borowka, George, Grand Rapids, Mich. Freight-car-shipping appliance. 1,751,788; Mar. 25.
 Borregard, Ernst, Great Neck, N. Y. Screen holder. 1,742,339; Jan. 7.
 Borresen, Helge A., Chicago, Ill., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Latch fastener. 1,772,854; Aug. 12.
 Borreson, Leonard L., Kermit, N. Dak. Electric generator. 1,773,074; Aug. 12.
 Borsari-Fischer, Heinrich, Zollikon, near Zurich, Switzerland. Covering surfaces with plates from fusible material and product resulting therefrom. 1,742,346; Jan. 7.
 Borsodi, Morris, Brooklyn, N. Y. Composite fiber board. 1,754,784; Apr. 15.
 Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, New York, N. Y. Frame for crushing machinery. 1,743,911; Jan. 14.
 Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, New York, N. Y. Coal breaker. 1,744,028; Jan. 21.
 Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, New York, N. Y. Hammer crusher. 1,781,891; Nov. 18.
 Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, New York, N. Y. Coal breaker. 1,784,983; Dec. 16.
 Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, New York, N. Y. Hammer crusher. 1,786,694; Dec. 30.
 Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, New York, N. Y. Hammer crusher. 1,786,695; Dec. 30.
 Borton, George W., Philadelphia, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Single-roll crusher. 1,783,373; Dec. 2.
 Borzi, Frank, Washington, D. C., assignor to C. B. Summa, Waterbury, Conn. Oil can. 1,754,078; Apr. 8.
 Borzin, Milton H., Chicago, Ill. Container. 1,764,241; June 17.
 Borzykowski, Benno, Paris, France. Treatment of artificial silk. 1,770,729; July 15.
 Borzykowski, Benno, Paris, France. Washing yarn or threads wound upon spools. 1,783,493; Dec. 2.
 Boscardin, John M., Canaan, Conn. Tire mender. 1,753,688; Apr. 8.
 Boscardin, John M., Canaan, Conn. Airship. 1,775,062; Sept. 2.
 Bosch Aktiengesellschaft. (See Schmid, Anton, assignor.)
 Bosch, Robert, Aktiengesellschaft. (See Burkas, Hans, assignor.)
 Bosch, Robert, Aktiengesellschaft. (See Ehrmann, Friedrich, assignor.)
 Bosch, Robert, Aktiengesellschaft. (See Lang, Franz, assignor.)
 Bosch, Robert, Aktiengesellschaft. (See Menzel, Friedrich.)
 Bosch, Robert, Aktiengesellschaft. (See Schmid, Anton, assignor.)
 Bosch, Robert, Aktiengesellschaft. (See Walther, Wilhelm, assignor.)
 Bosch, Robert, Aktiengesellschaft. (See Zeininger, Gustav A., assignor.)
 Boschke, Albert C., and E. W. Black, Los Angeles, Calif. Shackle. 1,781,627; Nov. 11.
 Boschuetz, William, Milwaukee, Wis. Hame fastener. 1,760,111; May 27.
 Bosco, George B., Chicago, Ill. Timber clamp. 1,742,634; Jan. 7.
 Bosco, George B., Chicago, Ill. Shore-adjusting tool. 1,756,173; Apr. 29.
 Bosco, George B., Chicago, Ill. Wall tie. 1,756,174; Apr. 29.
 Bosco, George B., Chicago, Ill. T-head bracket. 1,770,150; July 8.
 Bosco, George B., Chicago, Ill. Adjustable shore. 1,775,272; Sept. 9.
 Bosco, George B., Chicago, Ill. Clamp for adjustable shores. 1,778,350; Oct. 14.
 Bosley, D. W., Company, The. (See Bosley, Maurice E., assignor.)
 Bosley, Maurice E., Chicago, Ill. Weather stripping. 1,751,454; Mar. 18.
 Bosley, Maurice E., assignor to The D. W. Bosley Company, Chicago, Ill. Weather stripping. 1,742,195; Jan. 7.
 Bosley, Maurice E., assignor to The D. W. Bosley Company, Chicago, Ill. Weather strip. 1,745,399; Feb. 4.
 Bosley, Maurice E., assignor to The D. W. Bosley Company, Chicago, Ill. Weather strip. 1,785,476; Dec. 16.
 Bosque, Jose V., Habana, Cuba. Trunk. 1,772,304; Aug. 5.
 Bosque, José V., Santiago de Cuba, Cuba. Water cooler. 1,776,307; Sept. 23.
 Bosquet, Wilfred J., Apponaug, R. I. Sheet-metal shingle. 1,775,330; Sept. 16.

- Boss, Frank J., Edinburg, Tex. Hill dropper. 1,755,498; Apr. 22.
- Bossard Products Company. (See Bossard, Theodore, assignor.)
- Bossard, Theodore, Salt Lake City, Utah, assignor to Bossard Products Company, Inc. Fueling system. 1,753,199; Apr. 8.
- Bossard, Theodore, assignor to American Air-Brake Company, Salt Lake City, Utah. Air brake for automotive vehicles. 1,773,166; Aug. 19.
- Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,748,751; Feb. 25.
- Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,753,689; Apr. 8.
- Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,753,982; Apr. 8.
- Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,773,297; Aug. 19.
- Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,773,472; Aug. 19.
- Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,775,016; Sept. 2.
- Bossert Corporation, The. (See Clement, Walter J., assignor.)
- Bossert Corporation. (See Xardell, Charles A., assignor.)
- Bossert, William F., and W. R. Burke, assignors to Signal Accessories Corporation, Utica, N. Y. Circuit controller for mechanical interlocking machines. 1,762,141; June 10.
- Bosshard, Arnold, Arbon, Switzerland, assignor to Sir James Farmer Norton & Company, Limited, Lancashire, England. Method and apparatus for stretching fabrics. 1,786,188; Dec. 23.
- Bossini, Raoul F. (See Anderson, A. E., Maiuri, and Bossini.)
- Bossini, Raoul F., London, England. Electrolytic rectifier for alternating currents. 1,743,186; Jan. 14.
- Bossini, Raoul F., and G. Maiuri, London, England. Continuous absorption refrigerating apparatus. 1,758,215; May 13.
- Bostelmann, John C., Jr., New York, N. Y., assignor, by mesne assignments, to The Aeolian Company. Musical apparatus. 1,750,988; Mar. 18.
- Boston Blacking Company. (See Nash, Russell K., assignor.)
- Boston, Cecil E. (See Boston, William H. and C. E.)
- Boston Safe Deposit and Trust Company et al., trustees. (See Blake, Charles C., assignor.)
- Boston, William H. and C. E., Winnebago, Minn. Oil burner. 1,743,021; Jan. 7.
- Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
- Bostwick, Henry C. (See Fleiter, A. J., Bostwick, and Miller.)
- Boswell, James G., assignor of one-half to W. L. Russ, Freeport, Tex. Core trap or retainer. 1,759,775; May 20.
- Bosworth, Frederic M., Lakewood, assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake control. 1,758,027; May 13.
- Bosworth, Frederic M., assignor to The Midland Steel Products Company, Cleveland, Ohio. Flexible conduit. 1,772,453; Aug. 12.
- Bosworth, Frederic M., assignor to The Swartwout Company, Cleveland, Ohio. Drainage control. 1,778,581; Oct. 14.
- Bosworth, J. Graham. (See Gilbert, Charles B., assignor.)
- Bosworth, Harry J., Company. (See Bosworth, Harry J., assignor.)
- Bosworth, Harry J., Chicago, Ill. Light fixture. 1,758,925; May 20.
- Bosworth, Harry J., assignor to Harry J. Bosworth Company, Chicago, Ill. Light support. Re17,845; Oct. 28.
- Bosworth, William G., New York, N. Y. Opening and sealing device for cartons. 1,772,454; Aug. 12.
- Botfield, Leonard B. (See Faber, Leon, assignor.)
- Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Die for molding insulating materials. 1,770,766; July 15.
- Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Pilot-light receptacle. 1,781,535; Nov. 11.
- Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Electric switch. 1,785,068; Dec. 16.
- Botha, Louis, New York, N. Y. Transformable garment. 1,778,712; Oct. 21.
- Bothe, Adolph and E., Lansing, Mich. Automatic deep-frying machine. 1,783,696; Dec. 2.
- Bothe, Ernest. (See Bothe, Adolph and E.)
- Bott, George R., assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn. Roller-bearing cage. 1,765,648; June 24.
- Bott, William J., Sunderland, Ontario, Canada. Horse collar. 1,776,849; Sept. 30.
- Bott, Wister P., Homer, La. Show case. 1,764,822; June 17.
- Böttcher, Paul, jr., Alton-Bahrenfeld, near Hamburg, Germany. Method of and apparatus for cutting toothed gears. 1,750,384; Mar. 11.
- Böttger, H. W. (See Bowen, Benjamin F., assignor.)
- Böttger, Kurt. (See Pfaff, J. K., Böttger, and Sieweke.)
- Bottker, Viggo, Seattle, Wash., and B. Grondahl, Washington Bay, Alaska. Fish-cleaning machine. 1,777,069; Sept. 30.
- Bottle Cap Patents Company. (See Swift, George W., jr., assignor.)
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold book. 1,747,658; Feb. 18.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Sales book. 1,747,659; Feb. 18.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Reed-limit device for manifold strips. 1,768,973; July 1.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifold machine. 1,771,741; July 29.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold sales book. 1,772,030; Aug. 5.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold sales book. 1,772,031; Aug. 5.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold sales book. 1,772,032; Aug. 5.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold sales book. 1,772,033; Aug. 5.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold book. 1,772,034; Aug. 5.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold book. 1,772,035; Aug. 5.
- Böttner, August, Eltmannshausen, Germany. Window pane. 1,783,326; Dec. 2.
- Bottoms, Robert R., assignor to The Girdler Corporation, Louisville, Ky. Separating acidic gases. 1,783,901; Dec. 2.
- Bottoff, Charles A., Des Plaines, assignor to Trimm Radio Manufacturing Co., Chicago, Ill. Loud-speaker unit. 1,748,407; Feb. 25.
- Bottrill, David H., Pointe Claire, assignor to Drysdale and Pease, Montreal, Quebec, Canada. Soldering device. 1,747,419; Feb. 18.
- Botwin, Harry. (See Neuschaefer, F., and Botwin.)
- Bouchard, Arthur, Lorrainville, Quebec, Canada. Grain-unloading device. 1,773,805; Aug. 26.
- Bouchard, John J., Bradford, Pa. Vehicle-spring mounting. 1,775,305; Sept. 9.
- Bouchard, Leonard L., Rochester, N. Y. Electric heating device for windshields and other windows. 1,744,100; Jan. 21.
- Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle frame. Des. 82,871; Dec. 23.
- Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,785,929; Dec. 23.
- Bouché, Charles, Brussels, Belgium. Mechanical tractor. 1,776,486; Sept. 23.
- Bouché, William F., Rochester, assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Axle pulley. 1,774,167; Aug. 26.
- Bouché, William F., and E. H. Blattner, Rochester, assignors, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Generator-cover band. 1,759,035; May 20.
- Boucher Cork Co. (See Grupe, William F., assignor.)
- Boucher, Cyril L. (See Shorter, A. E., and Boucher.)
- Boucher, Leo P., Bristol, Conn. Dial-test indicator. 1,778,481; Oct. 14.
- Boucher, Max, and R. Bernady, assignors to Société d'Etude et de Construction d'Appareils de Télémechanique, Neuilly-sur-Seine, France. Landing device for aircraft. 1,775,583; Sept. 9.
- Boucher, Wallace, Minneola, Kans. Grain drill. 1,754,497; Apr. 15.
- Boucher, Zephyr N. (See Smith, P. F., and Boucher.)
- Boudette, Cornelius G., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,769,765; July 1.
- Boudette, Cornelius G., Claremont, N. H., assignor to Sullivan Machinery Company. Adjustable jack. 1,785,069; Dec. 16.
- Boudette, Cornelius G., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,786,225; Dec. 23.
- Boudin, Louis, St.-Gobain, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Crey, Paris, France. Manufacture of glass sheets. 1,749,798; Mar. 11.
- Boudin, Louis, St.-Gobain, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Crey, Paris, France. Apparatus for conveying glass from turning devices. 1,767,913; June 24.

- Boudin, Louis, St. Gobain, assignor to Société-Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Method and apparatus for conveying glass from forming devices. 1,767,914; June 24.
- Bouer, Bernard L. (See Kaplan, H. E., and Bouer.)
- Boughton, John A., Everett, Ohio. Internal-combustion engine. 1,762,650; June 10.
- Boughton, Solon J., assignor to The Willys-Overland Company, Toledo, Ohio. Engine-lubrication system. 1,771,158; July 22.
- Boughton, Willis A., Cambridge, Mass. Manufacture of rubber. 1,781,492; Nov. 11.
- Boughton, Willis A., Cambridge, assignor to Bennett Box Company, Boston, Mass. Plastic process. 1,756,010; Apr. 22.
- Bouillon, Emile, Brussels, Belgium, assignor of one-third to W. G. Tarrant, Byfleet, Surrey, England, and one-third to R. Allen, Chiltern Rise, near Reading, England. Device for transforming a rectilinear movement into a continuous rotary movement. 1,754,216; Apr. 15.
- Bouillon, Emile C. J., assignor to Société Bouillon Frères, Paris, France. Fire-alarm signal. 1,760,470; May 27.
- Boulade, Antonin, assignor to Société du Carburateur Zenith, Lyon, France. Carburetor. 1,782,027; Nov. 18.
- Boulton, George, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Blacking machine. 1,774,502; Sept. 2.
- Bourdon, Pierre M., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Grommet for pneumatic tires. 1,753,041; Apr. 1.
- Bourdon, Pierre M., Paris, France, assignor to Michelin & Cie., Clermont-Ferrand, France. Wheel for railroad vehicles. 1,782,285; Nov. 18.
- Bourie, Ignace, Reno, Nev. Internal-combustion-engine fuel. 1,752,724; Apr. 1.
- Bourke, Russell L., Petaluma, Calif. Ventilator. 1,742,185; Jan. 7.
- Bourn, Stephen W., Providence, R. I., assignor to United Shoe Machinery Corporation, Paterson, N. J. Foxing-cementing machine. 1,753,498; Apr. 8.
- Bourne, Roland B. (See Maxim, H. P., and Bourne.)
- Bourne, Roland B., assignor, by mesne assignments, to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,756,626; Apr. 29.
- Bourne, Stephen. (See Staunton, Le Roy W., assignor.)
- Bournier, Julian W., Tampa, Fla. Boat davit. 1,771,372; July 22.
- Bourquin, Jule C., Newington, Conn. Tire chain end hook. 1,771,950; July 29.
- Bourth, Victor, Boulogne sur Seine, France. Automatic pistol. 1,756,847; Apr. 29.
- Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Platform scale. 1,759,884; May 27.
- Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale. 1,759,885; May 27.
- Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale. 1,759,886; May 27.
- Boushear, Henry, Fort William, Ontario, Canada. Portable turnout. 1,757,165; May 6.
- Bousum, Charles S., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switchboard-panel wiring. 1,746,633; Feb. 11.
- Boutell, John R., Milwaukee, Wis. Contact making and breaking device. 1,772,572; Aug. 12.
- Boutell Manufacturing Co. (See Fish, Charles S., assignor.)
- Boutet, René E., Paris, France. Automatic change-gear mechanism. 1,751,803; Mar. 18.
- Boutin, Joseph A., Phoenix, Ariz. Clinical thermometer. 1,782,599; Nov. 25.
- Bouton, Edgar M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator-control system. 1,782,708; Nov. 25.
- Bouvier, George A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for testing electrical conductors. 1,782,403; Nov. 25.
- Bouvier, George A., Oak Park, and H. L. Case, Maywood, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing electrical conductors. 1,782,402; Nov. 25.
- Boutwell, Harry O., Los Angeles, Calif. Scrubbing machine. 1,752,882; Apr. 1.
- Bouwens, Albert. (See Holst, G., Jones, and Bouwers.)
- Bouwens, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray tube. 1,770,151; July 8.
- Boux, Camille J., Compton, Calif. Plasterer's plane. 1,743,704; Jan. 14.
- Boyard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 1,755,466; Apr. 22.
- Bovard & Company. (See Hall, Frank H., assignor.)
- Bovey, Sidney J. V., Chicago, Ill., assignor, by mesne assignments, to Metalcraft Heater Corporation, Grand Rapids, Mich. Air-circulating device for vehicles, heaters, and the like. 1,761,680; Mar. 25.
- Bovey, Sidney J. V., Chicago, Ill., assignor, by mesne assignments, to Metalcraft Heater Corporation, Grand Rapids, Mich. Combined muffler and heater for vehicles. 1,762,465; June 10.
- Bovey, Sidney J. V., Chicago, Ill., assignor, by mesne assignments, to Metalcraft Heater Corporation, Grand Rapids, Mich. Heater for vehicles and the like. 1,762,466; June 10.
- Bovey, Sidney J. V., Chicago, Ill., assignor, by mesne assignments, to Metalcraft Heater Corporation, Grand Rapids, Mich. Automobile heaters and the silencing of automobile heaters. 1,762,467; June 10.
- Bovey, Sidney J. V., Chicago, Ill., assignor, by mesne assignments, to Metalcraft Heater Corporation, Grand Rapids, Mich. Vehicle heater. 1,772,067; Aug. 5.
- Bovey, Thomas, Chicago, Ill., assignor, by mesne assignments, to Metalcraft Heater Corporation, Grand Rapids, Mich. Heat-transferring system. 1,771,371; July 22.
- Boving, Jens O., Westminster, England. Apparatus for rarefying gases. 1,743,653; Jan. 14.
- Bow, Charles R., Thornlie Bank, Scotland. Seat indicator. 1,762,384; June 10.
- Bowden, William I., assignor to American Engineering Company, Philadelphia, Pa. Crusher. 1,748,828; Feb. 25.
- Bowen, Albert O., and D. J. Bowen, St. Charles, Ill., assignors to E. A. Conaway, Little Rock, Ark. Heater. 1,773,806; Aug. 26.
- Bowen, Amos M., assignor to U. S. Ring Traveler Company, Providence, R. I. Ring traveler. 1,743,263; Jan. 14.
- Bowen, Benjamin F., assignor of one-half to H. W. Bottger, Richmond, Calif. Rotary valve. 1,766,101; June 24.
- Bowen, Charles A., Portsmouth, Ohio. Saw. 1,763,500; June 10.
- Bowen, Daniel J. (See Bowen, Albert O. and D. J.)
- Bowen-Dumars Power Corporation et al. (See Dumars, Horace, assignor.)
- Bowen, Frank T. (See Raven, G. S., and Bowen.)
- Bowen, George W., Auburn, N. Y. Turntable. 1,770,567; July 15.
- Bowen, James, Swansea, Wales. Air cooling the cylinders of internal-combustion engines. 1,780,809; Nov. 4.
- Bowen, Kenneth H., Auburn, N. Y. Heating device. 1,759,389; May 20.
- Bowen, Lester W., Hasbrouck Heights, N. J., assignor to Spiro Film Corporation, Irvington-on-Hudson, N. Y. Motion-picture apparatus. 1,778,351; Oct. 14.
- Bowen, Michael B., assignor to Faries Manufacturing Company, Decatur, Ill. Adjustable electric portable cluster. 1,749,799; Mar. 11.
- Bowen, Michael B., assignor to Faries Manufacturing Company, Decatur, Ill. Shade support for portable electric lamps. 1,766,975; June 24.
- Bowen, Michael B., assignor to Faries Manufacturing Company, Decatur, Ill. Shade holder for portable electric lamps. 1,766,976; June 24.
- Bowen, Michael B., assignor to Faries Manufacturing Company, Decatur, Ill. Shade holder for portable electric lamps. 1,766,977; June 24.
- Bowen, Michael B., assignor to Faries Manufacturing Company, Decatur, Ill. Shade holder for portable electric lamps. 1,771,244; July 22.
- Bowen Products Corporation. (See Bacon, Chester A., assignor.)
- Bowen Research Corporation. (See Harvey, Arthur H., assignor.)
- Bowen, Russell C., assignor of one-half to G. R. Kollack, Seattle, Wash. Spring hammer. 1,775,188; Sept. 9.
- Bowen, William S., New York, N. Y. Device for effecting heat interchange. 1,745,204; Jan. 28.
- Bowen, William S., Westfield, N. J. Spray drying apparatus. 1,753,915; Apr. 8.
- Bowen, William S., Westfield, N. J. Cooling tower. 1,765,001; June 17.
- Bowen, William S., Westfield, N. J. Desiccating apparatus. 1,774,350; Aug. 26.
- Bowen, William S., Westfield, N. J. assignor to Smoot Engineering Corporation, New York, N. Y. Feed-regulating apparatus for liquids. Re17,718; July 1.
- Bower, Herbert O., Fairfield Park, Victoria, Australia. Advertising and other sign. 1,770,568; July 15.
- Bower, Sigmund, Brooklyn, N. Y. Machine for applying reinforcements to clothespins. 1,753,916; Apr. 8.
- Bower, William C., Los Angeles, Calif. Coin handler. 1,751,615; Mar. 25.
- Bowers, Archibald C., and W. E. Humphrey, Kent, assignors, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Apparatus for the manufacture of laminated rubber sheeting. 1,778,307; Oct. 14.
- Bowers, Claude E., Los Angeles, Calif. Sash weight. 1,766,373; June 24.
- Bowers, Edward C., et al., receivers. (See Arnold, Albert W., assignor.)
- Bowers, Edward C., et al., receivers. (See Ward, Richard H., assignor.)
- Bowers, Frank, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Locomotive soot blowers. 1,773,473; Aug. 19.
- Bowers, Frank, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,776,213; Sept. 16.
- Bowers, Frederick J., et al. (See Polatsik, William, assignor.)
- Bowers, Frederick M., Chester, Pa. Visor attachment for industrial eye shields. 1,774,587; Sept. 2.
- Bowers, Mary, now, by marriage, M. B. Walsworth, Angora, Nebr. Bed construction. 1,748,537; Feb. 25.

- Bowers, Maurice L., Long Beach, Calif. Wheel retainer. 1,784,330; Dec. 9.
- Bowers, William J. (See Moore, W. D., Loring, and Bowers.)
- Bowersock, Wilber E., assignor to Rochester Folding Box Company, Rochester, N. Y. Corner-cushion-pad packing device. 1,786,189; Dec. 23.
- Bowes, Laurence C. (See Wanamaker, E., and Bowes.)
- Bowes, Marion F., Pensacola, Fla. Holder for check stubs. 1,768,028; June 24.
- Bowie, Augustus J., San Francisco, Calif. Electric switch. 1,748,752; Feb. 25.
- Bowie, Augustus J., San Francisco, Calif. Electromagnetic power-transmission mechanism. 1,748,753; Feb. 25.
- Bowie, James, Edinburgh, Scotland. Aerial vessel. 1,768,738; July 1.
- Bowler and Burdick Company, The. (See Bates, Laurence G., assignor.)
- Bowler, George H., and O. Nasu, Las Vegas, Nev. Oil burner. 1,784,173; Dec. 9.
- Bowler, Thomas, North Vancouver, British Columbia, Canada. Poppet valve. 1,756,337; Apr. 29.
- Bowles, Edward L., Watertown, Mass. Binding post. 1,762,543; June 10.
- Bowlus, Claude A., Birmingham, Mich. Lubricating device. 1,764,823; June 17.
- Bowlus, Glenn H., Los Angeles, Calif. Extensometer. 1,759,219; May 20.
- Bowly, Heyward W., Summit, and W. W. McWilliams, South Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Clamping device. 1,782,404; Nov. 25.
- Bowlzer, Alfred H., Jr. (See Schlegel, R. M., and Bowlzer.)
- Bowlzer, Alfred H., Jr., Los Angeles, Calif., assignor, by mesne assignments, to Kimball-Krogh Pump Company. Sliding bearing bushing for pump construction. 1,756,276; Apr. 29.
- Bowlzer, Daniel H., assignor, by mesne assignments, to Bucknell Supply Company, Los Angeles, Calif., doing business as Sphinx Manufacturing Company. Combination spout and diverter. 1,763,877; June 17.
- Bowman, Abner B., et al. (See Williams, William E., assignor.)
- Bowman, Abram B., San Diego, Calif. Dish and utensil washing machine. 1,757,356; May 6.
- Bowman, Birney W., Lakewood, assignor to The Bridge Specialties Company, Cleveland, Ohio. Score-calculating device. 1,771,614; July 29.
- Bowman, Frank R., Salt Lake City, Utah. Fertilizer distributor. 1,774,960; Sept. 2.
- Bowman, Frederick A., assignor to The Pusey & Jones Corporation, Wilmington, Del. Shake mechanism. 1,786,933; Dec. 30.
- Bowman, Frederick J., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Wall for reaction towers. 1,785,178; Dec. 16.
- Bowman, Geo. H., Company, The. (See Pfefferkorn, Frederick F., assignor.)
- Bowman, James H., Bridgeport, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Corner miter for screeds. 1,753,595; Apr. 8.
- Bowman, James H., Bridgeport, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Corner miter for base screeds. 1,753,596; Apr. 8.
- Bowman, Joseph H., assignor to American Steel Band Company, Pittsburgh, Pa. Making hoops. 1,771,159; July 22.
- Bowman, Kiel B., Massillon, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Removal of lead coatings from metallic articles. 1,785,245; Dec. 16.
- Bowman, Louis G., Chicago, Ill., assignor to Sexton Mfg. Company, Fairfield, Ill. Adjustable needle-lever bearing for sewing machines. 1,763,949; June 17.
- Bowman, Owen J., Cleveland Heights, Ohio. Bottle. 1,744,947; Jan. 28.
- Bowman, Robert H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Mill. 1,780,112; Oct. 28.
- Bowman, Thomas G. L., Woodville, South Australia, Australia. Template or gauge for use in marking and cutting window drapes. 1,742,684; Jan. 7.
- Bown, Lewis H., East Aurora, assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 80,510; Feb. 18.
- Bown, Ralph, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Automatic selection of receiving channels. 1,747,220; Feb. 18.
- Bown, Ralph, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Automatic selection of receiving channels. 1,747,221; Feb. 18.
- Bown, Ralph, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Cathode-ray oscillograph. 1,750,661; Mar. 18.
- Bown, Ralph, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Radio receiving system. 1,763,751; June 17.
- Bownan, A. M., et al. (See Latimer, Paul D., assignor.)
- Bowne, Langford J., Howard Beach, and C. D. Koechling, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,747,219; Feb. 18.
- Bowne, Mary H., Worcester, Mass. Corset. 1,751,506; Mar. 25.
- Bowser, Percy L. (See Flammang, J., and Bowser.)
- Bowser, S. F., & Company. (See Hartley, Lee R., assignor.)
- Bowser, S. F., & Company. (See Marvel, Harvey E., assignor.)
- Bowser, S. F., & Company. (See Renfrew, Paul B., assignor.)
- Bowser, S. F., & Company. (See Warner, Joseph R., assignor.)
- Bowtell, Roy F., assignor to The Stanley Works, New Britain, Conn. Tray. Des. 81,683; July 29.
- Bowzer, Augustus M., Lynn, Mass. Printer's quoin. 1,761,979; June 3.
- Box Blank Corporation. (See Andrews, Champe S., assignor.)
- Box Blank Corporation. (See Willsea, Louis P., assignor.)
- Box Crane & Hoist Corporation. (See Hogrebe, Arthur E., assignor.)
- Boxley, Frederick, Oakland, Calif. Acoustic device. 1,748,632; Feb. 25.
- Boyajian, Aram, Pittsfield, Mass., and W. F. Skeats, Scotia, N. Y., assignors to General Electric Company. Current transformer. 1,743,752; Jan. 14.
- Boyce Automatic Oil Burner Corporation. (See Gaston, Harry W., assignor.)
- Boyce, Edward C., New York, N. Y. Golf-club carriers. 1,756,902; Apr. 29.
- Boyce, Edwin, Pine Bluff, Ark. Marine craft. 1,763,415; June 10.
- Boyce, Erskine E., Coronado, Calif. Attachment for internal-combustion engines. 1,778,241; Oct. 14.
- Boyce, Harrison H., Jericho, N. Y. Illumination and magnifying means for motor heat indicators. 1,754,455; Apr. 15.
- Boyce, Harrison H., Jericho, N. Y. Instrument-board mounting. 1,782,405; Nov. 25.
- Boyce, John A., Chicago, Ill. Printing machine. 1,778,842; Oct. 21.
- Boyce, Reginald D., London, assignor to "Romac" Motor Accessories Limited, Middlesex, England. Multiple-cylinder reciprocatory pump and fluid-actuated motor of the swash-plate type. 1,746,335; Feb. 11.
- Boyce-Thompson Institute for Plant Research, Inc. (See Hartzell, Albert, assignor.)
- Boyce, William S., Chicago, Ill. Tie plate. 1,776,882; Sept. 30.
- Boyce, Wirt B., Chicago, Ill. Guard for roller window shades. 1,767,045; June 24.
- Boychuk, John P. (See Boychuk, Nicholas P. and J. P.)
- Boychuk, Nicholas P. and J. P., Edmonton, Alberta, Canada. Sheaf-shocking machine. 1,782,837; Nov. 25.
- Boyd, Blanton M., assignor to The Globe Register Company, Cincinnati, Ohio. Web aligning and tensioning device. Re17,747; July 29.
- Boyd, Butler B., San Diego, Calif. Joint for concrete pipe. 1,745,290; Jan. 28.
- Boyd, Charles A., assignor to The Oil Conservation Engineering Company, Cleveland, Ohio. Condenser construction. 1,758,495; May 13.
- Boyd, Charles H. (See Bratt, J. E., and Boyd.)
- Boyd, Charles J., Amarillo, Tex. Aeroplane. 1,757,109; May 6.
- Boyd, Charles R., assignor of forty per cent to A. Batty, Marshalltown, Iowa. Shoe stretcher or adjuster. 1,783,600; Dec. 2.
- Boyd, Fisher L., Haverford, assignor to National Foam System, Inc., Philadelphia, Pa. Automatic fire-extinguishing apparatus. 1,768,739; July 1.
- Boyd, Fisher L., Haverford, assignor, by mesne assignments, to National Foam System, Inc., Philadelphia, Pa. Apparatus for producing fire-extinguishing foam. 1,785,723; Dec. 16.
- Boyd, Frederic R. C., Boston, Mass., assignor to The De Laval Separator Company, New York, N. Y. Oil-purifying means for turbine, etc. 1,757,289; May 6.
- Boyd, Harold A. (See Boyd, Thomas A. and H. A.)
- Boyd, Harold A. (See Boyd, Thomas A., H. A., and J.)
- Boyd, Harold A., Shettleston, near Glasgow, Scotland. Applying drag to the spinning bobbins in flyer spinning and like frames. 1,763,752; June 17.
- Boyd, James. (See Boyd, Thomas A., H. A. and J.)
- Boyd, James H. C., Salt Hill, Slough, England. Scissors, shears, and the like. 1,748,701; Feb. 25.
- Boyd, Jessie L., Kingsville, Tex. Permanent-waving accessory. 1,773,940; Aug. 26.
- Boyd, John G., Oakland, Calif. Illusory travel-scope. 1,756,175; Apr. 29.
- Boyd, John M., Seattle, Wash. Bit lock. 1,776,280; Sept. 23.
- Boyd, Joseph E., assignor to Craig R. Arnold, Atlanta, Ga. Producing gold-mixed asphaltic composition for road making and other uses. 1,774,168; Aug. 26.
- Boyd, Martin, Toronto, Ontario, assignor to E. Schluecke and P. Zink, Toronto, Canada. Vise stand. 1,758,140; May 13.
- Boyd, Paul F., Chicago, Ill. Retouching device. 1,753,876; Apr. 8.
- Boyd, Thomas A. and H. A., Shettleston, near Glasgow, Scotland. Winding frame for yarns or threads. 1,763,753; June 17.
- Boyd, Thomas A., H. A., and J. Boyd, Shettleston near Glasgow, Scotland. Oiling groups of spinning tubes in flyer spinning and like frames. 1,775,584; Sept. 9.

- Boyd-Welsh Shoe Company. (See Lake, John W., assignor.)
- Boyd, William A., Detroit, Mich. Jar cover or similar article. Des. 80,996; Apr. 22.
- Boyd, William T., Glendale, Ky. Train-order device. 1,756,848; Apr. 29.
- Boyden, Davis S., Allston, assignor to E. B. Badger & Sons Company, Boston, Mass. Expansion joint. 1,786,642; Dec. 30.
- Boye, James H., Chicago, Ill. Curtain and portière rod. Des. 80,673; Mar. 11.
- Boye, James H., Chicago, Ill. Curtain rod or similar article. Des. 80,674; Mar. 11.
- Boye, James H., Chicago, Ill. Curtain rod or similar article. Des. 80,997; Apr. 22.
- Boye, James H., Chicago, Ill. Curtain rod or similar article. Des. 81,370; June 17.
- Boye, James H., Chicago, Ill. Curtain rod or similar article. Des. 81,621; July 22.
- Boye, James H., Chicago, Ill. Curtain rod or similar article. Des. 82,311; Oct. 21.
- Boye, James H., Chicago, Ill. Curtain rod or similar article. Des. 82,312; Oct. 21.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Shoe rack. 1,752,288; Apr. 1.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain ring. 1,758,685; May 13.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Support for curtain-rod ornaments. 1,771,482; July 29.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain fixture. 1,786,052; Dec. 23.
- Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)
- Boye Needle Company, The. (See Carlson, Gustav A., assignor.)
- Boyer, Charles A., Tiggard, Oreg. Indicator. 1,785,614; Dec. 16.
- Boyer, Charles A., Winona Lake, Ind. Casting reel. 1,753,738; Apr. 8.
- Boyer, Charles A., Winona Lake, Ind. Flower holder. 1,784,621; Dec. 9.
- Boyer, Frederick G. L., assignor to Dayton Scale Company, Dayton, Ohio. Electrical controlling device. 1,757,072; May 6.
- Boyer, Harvey L., Kunkletown, Pa. Registering and printing device. 1,746,516; Feb. 11.
- Boyer, James M., Urbana, Ill. Jack for fence-wire stretchers. 1,751,190; Mar. 18.
- Boyer, Sylvester, Lynn, Mass., assignor to General Electric Company. Oil treatment. 1,760,539; May 27.
- Boyer, Sylvester, Lynn, Mass., assignor to General Electric Company. Condenser and material for dielectric or insulation purposes. 1,769,874; July 1.
- Boyer, William J., Wilmington, Del. Cross chain. 1,766,218; June 24.
- Boyette, Noah A., Habira, Ga. Jack. 1,752,776; Apr. 1.
- Boykin, Burwell, jr., Beaumont, Tex. Oscillating hanger for pitmen. 1,776,649; Sept. 23.
- Boykin, Burwell, jr., Beaumont, Tex. Support. 1,786,145; Dec. 23.
- Boykow, Johann-Maria, Berlin, assignor to the firm Messgeräte Boykow, G. m. b. H., Berlin-Lichterfelde-West, Germany. Gyroscope. 1,764,714; June 17.
- Boykin, Robert O., Los Angeles, Calif. Refining oil, refining agent therefor, and producing same. 1,744,610; Jan. 21.
- Boykin, Robert O., assignor to N. R. Vail, Los Angeles, Calif. Extracting oil from cottonseed. 1,775,154; Sept. 9.
- Boykin, Robert O., assignor to A. Mills, Los Angeles, Calif. Top feed for rotary filters. 1,775,155; Sept. 9.
- Boylan, Matthew R., Jersey City, assignor to Public Service Coordinated Transport, Newark, N. J. Fare token. Des. 81,175; May 20.
- Boyle, A. S., Company, The. (See Thorburn, Charles R., assignor.)
- Boyle, Charles H., New Haven, Conn. Culinary knife. 1,757,073; May 6.
- Boyle, Clete L. (See Klinger, J. D., and Boyle.)
- Boyle, Eldridge R., Boston, Mass. Carrier for garments. 1,781,628; Nov. 11.
- Boyle, James F., New Haven, Conn., and A. Van Muffling, assignors to Air Cruisers, Inc., New York, N. Y. Pneumatic water craft. 1,765,002; June 17.
- Boyle, John, & Company. (See Markert, Frederick E., assignor.)
- Boyle Manufacturing Company, The. (See Boyle, Willis J., jr., assignor.)
- Boyle Manufacturing Company. (See Muhlbach, Alfred J., assignor.)
- Boyle Manufacturing Company. (See Slafter, Orren H., assignor.)
- Boyle, Urban S., Erie, Pa. Cooking vessel. 1,745,243; Jan. 28.
- Boyle, Willis J., jr., assignor to Boyle Manufacturing Company, Los Angeles, Calif. Closure for sheet-metal containers and the like. 1,746,926; Feb. 11.
- Boyle, Willis J., jr., assignor to The Boyle Manufacturing Company, Inc., Los Angeles, Calif. Forming ringlike members. 1,773,566; Aug. 19.
- Boyles, David S., Rock Hill, S. C. Machine for making wire garment hangers. 1,771,951; July 29.
- Boymoto Company, The. (See Hood, Ralph O., assignor.)
- Boynton, Alexander, San Antonio, Tex. Automatic control for well-flowing devices. 1,747,570; Feb. 18.
- Boynton, Alexander, San Antonio, Tex. Automatic well-flowing device. 1,747,571; Feb. 18.
- Boynton, Alexander, San Antonio, Tex. Automatic well-flowing device. 1,747,572; Feb. 18.
- Boynton, Alexander, San Antonio, Tex. Automatic well-flowing device. 1,749,124; Mar. 4.
- Boynton, Alexander, San Antonio, Tex. Rotary reamer. 1,750,953; Mar. 18.
- Boynton, Alexander, San Antonio, Tex. Stage-lift flowing device. 1,767,201; June 24.
- Boynton, Alexander, San Antonio, Tex. Stage-lift flowing device. 1,767,202; June 24.
- Boynton, Alexander, San Antonio, Tex. Stage-lift flowing device. 1,768,109; June 24.
- Boynton, Alexander, San Antonio, Tex. Stage-lift flowing device. 1,768,110; June 24.
- Boynton, Alexander, San Antonio, Tex. Polished rod rotor. 1,769,253; July 1.
- Boynton, Alexander, San Antonio, Tex. Stage-lift flowing device. 1,770,023; July 8.
- Boynton, Alexander, San Antonio, Tex. Automatic stage-lift flowing device. 1,772,036; Aug. 5.
- Boynton, Alexander, San Antonio, Tex. Method of and device for cementing wells. 1,773,941; Aug. 26.
- Boynton, Alexander, San Antonio, Tex. Automatic stage-lift flowing device. 1,773,942; Aug. 26.
- Boynton, Alexander, San Antonio, Tex. Stage-lift flowing device. 1,773,943; Aug. 26.
- Boynton, Alexander, San Antonio, Tex. Stage-lift flowing device. 1,779,726; Oct. 28.
- Boynton, Alexander, San Antonio, Tex. Stage-lift flowing device. 1,779,727; Oct. 28.
- Boynton, Alexander, San Antonio, Tex. Stage-lift flowing device. 1,784,720; Dec. 9.
- Boynton, Arthur J., Winnetka, assignor to H. A. Brassert & Company, Chicago, Ill. Gas-washing apparatus. 1,744,863; Jan. 28.
- Boynton, Arthur J., assignor to H. A. Brassert, Inc., Chicago, Ill. Handling sinter. 1,758,496; May 13.
- Boynton, Lysle G. (See Kallin, W. E., and Boynton.)
- Boynton, Stanley E., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-feeding apparatus. 1,759,835; May 27.
- Boyrle, Harry E., San Francisco, Calif., assignor, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,754,480; Apr. 15.
- Boys, Ralph S., Ansonia, Conn. Combined shoe tree and stretcher. 1,778,289; Oct. 14.
- Boysen, Friedrich A., Leipzig, Germany. Collecting conduit for the exhaust pipes of internal-combustion engines. 1,760,682; May 27.
- Boyuls, Cecil H., Louisville, Ky. Ironing machine. 1,763,597; June 10.
- Boyuls, Cecil H., Louisville, Ky. Steam finisher. 1,778,059; Oct. 14.
- Boze, George A., Detroit Lakes, Minn. Refuse-treating apparatus. 1,766,325; June 24.
- Bozel Maletra, Societe Industrielle, de Produits Chimiques. (See Laubi, Otto A., assignor.)
- Bozelle, Nate O., San Jose, Calif. Music-leaf turner. 1,749,273; Mar. 4.
- Bozeman, John F., West Lake, La., and J. D. Cole, Hebronville, Tex. Drill stem. 1,766,326; June 24.
- Bozorth, Richard M., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic structure. 1,747,854; Feb. 18.
- Braastad, Marius A., Oslo, Norway. Exhibition and advertisement stand. 1,756,849; Apr. 29.
- Braat, William. (See Engstrand, Gunnar C., assignor.)
- Braaten, Edward O., and O. R. Harmer, Northfield, Minn. Seed-potato cutter and planter. 1,751,574; Mar. 25.
- Brabbée, Charles W., Bronxville, N. Y. Radiator section. Des. 81,956; Sept. 9.
- Brace, Porter H., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,768,881; July 1.
- Bracewell, Russell S. (See Heywood, F. C., Senseney, and Bracewell.)
- Bracewell, Russell S., South Hadley, assignor to The Marvellum Company, Holyoke, Mass. Machine for decorating paper. 1,742,301; Jan. 7.
- Brach, Leon S., East Orange, N. J. Lightning arrester. 1,752,660; Apr. 1.
- Brach, Leon S., East Orange, N. J. Combination connector and lightning arrester. 1,754,709; Apr. 15.
- Brach, Leon S., East Orange, assignor to L. S. Brach Manufacturing Corporation, Newark, N. J. Testing device for electrical circuits. 1,778,883; Oct. 21.
- Brach, L. S. Manufacturing Corporation. (See Brach, Leon S., assignor.)
- Brachtl, Henry, assignor, by mesne assignments, to Appleton Electric Company, Chicago, Ill. Lamp guard and mounting therefor. 1,754,931; Apr. 15.
- Brachtl, Henry, assignor, by mesne assignments, to Appleton Electric Company, Chicago, Ill. Grounding device. 1,763,214; June 10.
- Brachtl, Henry, assignor, by mesne assignments, to Appleton Electric Company, Chicago, Ill. Inclosed electric switch. 1,772,982; Aug. 12.

- Brachtl, Henry, assignor, by mesne assignments, to Appleton Electric Company, Chicago, Ill. Grounding device. 1,775,748; Sept. 16.
- Bracke, Oscar, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Selector switch. 1,768,394; June 24.
- Bracken, William A., Eldorado, Kans. Awning. 1,747,101; Feb. 11.
- Bracken, William A., Eldorado, assignor of one-half to W. B. Jones, Augusta, Kans. Awning for automobiles. 1,747,345; Feb. 18.
- Brackensy, Auguste H., assignor to The Franco-British Electrical Company, Limited, London, England. Reflecting unit for signs and the like. 1,744,721; Jan. 28.
- Brackett, Charles W., Takoma Park, Md. Saw holder. 1,778,996; Oct. 21.
- Brackett, Edward, and D. Daneke, Topeka, Kans. Paper cutting and trimming machine and clamping mechanism therefor. 1,743,420; Jan. 14.
- Brackett, Edward, and D. Daneke, Topeka, Kans. Paper cutting and trimming machine and gauge and gauge-stop mechanism therefor. 1,743,421; Jan. 14.
- Brackett, Edward M. and F. M., Topeka, Kans. Belt guide. 1,758,246; May 13.
- Brackett, Fred M. (See Brackett, Edward M. and F. M.)
- Brackett, Quincy A., Chicopee Falls, Mass., assignor to Westinghouse Electric and Manufacturing Company. Hot-cathode converter. 1,768,660; July 1.
- Brackett, Tracy F., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,768,882; July 1.
- Brackett, Welby A. and W. E. Richard, assignors to Sunbeam Electric Manufacturing Company, Evansville, Ind. Carburetor. 1,764,711; June 17.
- Brackett, Welby A. and W. E. Richard, assignors to Sunbeam Electric Manufacturing Company, Evansville, Ind. Pump. 1,764,712; June 17.
- Bracq, Emile, Pas de Calais, France. Furnace for roasting sulphide and other ores. 1,778,415; Oct. 14.
- Bradberry, Claud, Clinton, Ky. Gasoline motor. 1,768,540; July 1.
- Bradbrook, George E., assignor to The C. G. Braxmar Company, Inc., New York, N. Y. Watch stand or similar article. Des. 80,305; Jan. 14.
- Bradbury, Burke, Schenectady, N. Y., assignor to General Electric Company. High-frequency amplifier circuits. 1,758,779; May 13.
- Bradbury, Burke, Schenectady, N. Y., assignor to General Electric Company. Amplifying system. 1,771,913; July 29.
- Bradbury, Burke, and H. E. Roys, Schenectady, N. Y., assignors to General Electric Company. Radio frequency amplification. 1,771,914; July 29.
- Bradbury, Clifford C., Glencoe, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Rectifier circuit. 1,745,841; Feb. 4.
- Bradbury, Clifford C., assignor, by mesne assignments, to C. B. Camp, trustee, Oak Park, Ill. Suction-producing mechanism. 1,750,742; Mar. 18.
- Bradbury, Clifford C., Glencoe, assignor to Alemite Corporation, Chicago, Ill. Centralized lubricating system. 1,767,505; June 24.
- Bradbury, Tennyson F. (See Hall, H. C., and Bradbury.)
- Braden, Alfred M. (See Bronson, A. E., and Braden.)
- Braden, Harry L., Youngstown, Ohio. Mold wash. 1,752,725; Apr. 1.
- Braden, Richard W., New York, and C. Stern, Jersey City, assignors, by mesne assignments, to Ardco Manufacturing Company, Hoboken, N. J. Locomotive drifting valve. 1,748,009; Feb. 18.
- Braden, Samuel O., Drumright, Okla. Pipe cutter. 1,777,713; Oct. 7.
- Bradfield, Louis G., Los Angeles, Calif. Folding gate. 1,750,989; Mar. 18.
- Bradford, Ada G., Oakland, Calif. Dial-telephone attachment. 1,762,809; June 10.
- Bradford, Jefferson, and C. B. Peoples, Butler, Ky. Foot guard. 1,780,331; Nov. 4.
- Bradford, John B., assignor of one-half to C. J. Heyler, Los Angeles, Calif. Harpoon weeder. 1,777,029; Sept. 30.
- Bradford Motor Works. (See Morris, G. B., and Inglesright, assignors.)
- Bradford, Nathan T., Terra Bella, and R. E. Early, San Jose, Calif. Pump. 1,761,702; June 3.
- Bradford, William G., Long Beach, Calif., assignor of one-fourth to H. P. Shoebridge and one-fourth to J. L. Foutz. Oil saver and packing head. 1,762,211; June 10.
- Bradford, Winslow P., Buffalo, N. Y. Faucet. 1,760,810; May 27.
- Bradley, Anson K., assignor to Morgan Construction Company, Worcester, Mass. Gas producer. 1,782,677; Nov. 25.
- Bradley, Arthur A., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Work pack. 1,747,346; Feb. 18.
- Bradley, Charles E., Mishawaka, Ind. Denture. 1,750,619; Mar. 18.
- Bradley, Charles S., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Cabinet for radio receiving apparatus. Des. 80,774; Mar. 25.
- Bradley, Edgar R., Fargo, N. Dak. Quack-grass digger. 1,786,226; Dec. 23.
- Bradley, Elliott R., Carmel, Calif. Liquid-fuel burner. 1,776,380; Sept. 23.
- Bradley, Frederick V. N. (See Fisher, C. R., and Bradley.)
- Bradley, Harry L., et al. (See Wilms, Gustav O., assignor.)
- Bradley, Irwin C., Brattleboro, Vt. Penholder. 1,761,903; June 3.
- Bradley, James, Philadelphia, Pa. Combined automobile hood and radiator. Des. 82,016; Sept. 16.
- Bradley, Leslie C., assignor to W. & T. Avery Limited, Soho Foundry, Birmingham, England. Coin-freed weighing apparatus. 1,758,141; May 13.
- Bradley, Leslie C., assignor to W. & T. Avery Limited, Birmingham, England. 1,771,952; July 29.
- Bradley, Leslie L., and E. M. Young, McLaughlin, S. Dak. Corn husker. 1,771,027; July 22.
- Bradley, Linn, Montclair, N. J. Production and utilization of carbon monoxide. 1,742,750; Jan. 7.
- Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburgh, assignors to Bradley-McKeefe Corporation, New York, N. Y. Manufacture of pulp and treatment of residual liquors, etc. 1,743,080; Jan. 7.
- Bradley, Linn, Montclair, N. J., and E. P. McKeefe, assignors to Bradley-McKeefe Corporation, New York, N. Y. Treatment of residual liquors, etc. 1,747,047; Feb. 11.
- Bradley, Linn, Montclair, N. J., and E. P. McKeefe, assignors to Bradley-McKeefe Corporation, New York, N. Y. Treatment of residual liquors. 1,754,207; Apr. 8.
- Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburgh, assignors to Bradley-McKeefe Corporation, New York, N. Y. Production of cooking liquor which contains sodium hydroxide. 1,754,208; Apr. 8.
- Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburgh, N. Y., assignor to Bradley-McKeefe Corporation, New York, N. Y. Bleaching. 1,768,819; July 1.
- Bradley, Linn, Montclair, N. J., and E. P. McKeefe, New York, N. Y., assignors to Bradley-McKeefe Corporation, New York, N. Y. Bleaching pulp. 1,768,820; July 1.
- Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburgh, N. Y., assignors to Bradley-McKeefe Corporation, New York, N. Y. Treatment of wood pulp and product. 1,768,823; July 1.
- Bradley, Linn, Montclair, N. J. and E. P. McKeefe, Plattsburgh, assignors to Bradley-McKeefe Corporation, New York, N. Y. Treatment of black liquor. 1,779,226; Oct. 21.
- Bradley, Lynde, et al. (See Wilms, Gustav O., assignor.)
- Bradley, Lynde, assignor to The Reliance Company, Milwaukee, Wis. Electrical resistor. 1,743,705; Jan. 14.
- Bradley-McKeefe Corporation. (See Bradley, L., and McKeefe, assignors.)
- Bradley, Milton, Company. (See Wolfson, Harold M., assignor.)
- Bradley Pulverizer Company. (See Gibson, W. A., and Burke, assignors.)
- Bradley, Theodore F., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Treating porous and nonporous materials. 1,780,375; Nov. 4.
- Bradley, Theodore F., Westfield, assignor to Ellis-Foster Company, Montclair, N. J. Resinous composition and making same. 1,785,930; Dec. 23.
- Bradley, Walter L., Syracuse, N. Y. Child's cart. 1,773,567; Aug. 19.
- Bradley Washfountain Company. (See Heine, Herman E., assignor.)
- Bradley Washfountain Company. (See Mullett, H. A., and Heine, assignors.)
- Bradley, William S., Thrift, assignor to Gulf Production Company, Houston, Tex. Automatic switcher device for oil-storage tanks. 1,747,814; Feb. 18.
- Bradley, William T., St. Louis, Mo. Heating furnace. 1,747,855; Feb. 18.
- Bradner, Donald B., Philadelphia, Pa. Aluminum ophorite. 1,775,063; Sept. 2.
- Bradner, Donald B., and C. H. Milligan, assignors to The Champion Coated Paper Co., Hamilton, Ohio. Paper-coating composition. 1,781,716; Nov. 18.
- Brado, George T., Reno, Nev. Burner. 1,782,600; Nov. 25.
- Bradshaw, Aubrey O., Bluefield, W. Va. Tank-closure lock. 1,786,332; Dec. 23.
- Bradshaw, Grant D., Pittsburgh, Pa. Pen supporter. 1,761,176; June 3.
- Bradshaw, Grant D., Beaver, and B. W. Andrews, Wilkinsburg, assignors, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,761,177; June 3.
- Bradshaw, Grant D., Pittsburgh, assignor by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,772,037; Aug. 5.
- Bradshaw, Grant D., Pittsburgh, Pa., assignor to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,785,931; Dec. 23.
- Bradshaw, Harold C., and M. J. De Forest, Chicago, Ill., assignors, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Sound-reproducing apparatus. 1,780,899; Nov. 11.
- Bradshaw, Ray, Charles City, Iowa. Spring tooth mounting. 1,743,592; Jan. 14.
- Bradshaw, Richard, Montreal, Quebec, Canada, assignor to Simmons Company, New York, N. Y. Metal furniture construction. 1,750,457; Mar. 11.

- Bradshaw, Richard, and R. Ferguson, Montreal, Quebec, Canada, assignors, by mesne assignments, to Simmons Company, New York, N. Y. Day-bed or box-lounge construction. 1,768,435; June 24.
- Bradshaw, Richard E., Oklahoma City, Okla. Building material. 1,748,861; Feb. 25.
- Bradshaw, Samuel S., and C. A. Martindale, Seminole, Okla. Rod clamp. 1,742,302; Jan. 7.
- Bradshaw, Samuel S., and C. A. Martindale, Seminole, Okla. Hydraulic-control head closure. 1,750,211; Mar. 11.
- Bradt, Edward L., assignor to Armbruster, Inc., Shreveport, La. Unloading machine. 1,783,823; Dec. 2.
- Bradt, Merritt B. (See Schneider, E. J., and Bradt.)
- Bradt, Merritt B., Brooklyn, N. Y. Games and amusement device. 1,781,717; Nov. 18.
- Brady, Charles T., Detroit, Mich. Lamp. Des. 82,131; Sept. 30.
- Brady, Charles T., Detroit, Mich. Lamp shade. 1,745,976; Feb. 4.
- Brady, Charles T., Detroit, Mich. Lamp. 1,771,430; July 29.
- Brady, Charles T., Detroit, Mich. Lamp construction. 1,776,101; Sept. 16.
- Brady, Charles T., Detroit, Mich. Lamp shade. 1,782,601; Nov. 25.
- Brady, Charles T., Detroit, Mich. Clamp for examination devices. 1,783,278; Dec. 2.
- Brady, Edward J., Philadelphia, Pa. Apparatus for and method of obtaining power from ocean waves. 1,757,166; May 6.
- Brady, Hugh and R. M., New York, N. Y. Automatic gas-burner control. 1,773,612; Aug. 19.
- Brady, Hugh S., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Closure for receptacles. 1,773,513; Aug. 19.
- Brady, Jessica M., Mamaroneck, N. Y. Foot muff. 1,746,459; Feb. 11.
- Brady, John D., assignor to Brady Process Company, El Dorado, Ark. Apparatus for breaking up petroleum emulsions. 1,754,079; Apr. 8.
- Brady, John S., Wilkes-Barre, Pa. Snow remover. 1,773,444; Aug. 19.
- Brady, Mary E., Maumee, Ohio. Lamp lock. 1,771,373; July 22.
- Brady Process Company. (See Brady, John D., assignor.)
- Brady, Regina M. (See Brady, Hugh and R. M.)
- Braeburn of Rochester, Inc. (See Eisfeld, Emanuel M., assignor.)
- Braeg, Herman E., St. Mary's College, Calif., assignor of one-third to B. J. Preston, Washington, D. C. Drawing material. 1,780,113; Oct. 28.
- Braeger, Frederick M., Erie, Pa. Skylight. 1,773,299; Aug. 19.
- Braendle, Ernest W., London, England, assignor to Associated Electrical Industries Limited. High-frequency signaling system. 1,768,883; July 1.
- Braeutigam, Henry P., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerator cabinet. Des. 82,077; Sept. 23.
- Braeutigam, Henry P., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,774,312; Aug. 26.
- Braeutigam, Henry P., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,774,313; Aug. 26.
- Braf, Gerhard. (See Seaman, C., and Braf.)
- Bragard, Theodor, assignor to the firm of Macao-Walzenmuhlen-Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Grinding mill. 1,750,088; Mar. 11.
- Bragg, Adelbert, Marion, Ind. Combination ironing board and breakfast table. 1,752,226; Mar. 25.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. Des. 17,833; Oct. 21.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Apparatus for operating suction-actuated devices in connection with the suction passages of internal-combustion engines. 1,753,165; Apr. 1.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Method of and apparatus for operating suction-actuated devices in connection with the suction passages of internal-combustion engines. 1,753,166; Apr. 1.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Method of and apparatus for operating suction-actuated devices in connection with the suction passages of internal-combustion engines. 1,753,167; Apr. 1.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Fuelizer for air withdrawn from suction-actuated power actuators. 1,753,168; Apr. 1.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator for brake mechanism of automotive vehicles. 1,753,283; Apr. 8.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,766,481; June 24.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Poppet-valve mechanism for power actuators and the like. 1,770,193; July 8.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,770,194; July 8.
- Bragg, Caleb S., Palm Beach, Fla., and W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,773,703; Aug. 19.
- Bragg, Caleb S., Palm Beach, Fla., and Victor W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism. 1,779,528; Oct. 28.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Hydraulically-actuated brake mechanism. 1,781,868; Nov. 18.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Hydraulically-actuated brake mechanism. 1,781,869; Nov. 18.
- Bragg, Herbert E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metering device. 1,763,330; Apr. 8.
- Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)
- Bragstad, Joseph W., Elmhurst, Ill. Forced-draft-producing device. 1,776,777; Sept. 30.
- Bragstad, Joseph W., Elmhurst, Ill. Forced-draft-producing device. 1,776,805; Sept. 30.
- Brahly, Charles, Brooklyn, assignor to C. E. Marion, New York, N. Y. Automatic liquid-fuel dispenser. 1,751,073; Mar. 18.
- Brahly, Charles, assignor to C. E. Marion, New York, N. Y. Automatic liquid-fuel dispenser. 1,780,292; Nov. 4.
- Brahly, Victor A. M. E., St. Hilaire, Quebec, Canada. Airship construction. 1,752,831; Apr. 1.
- Braidwood, Chester A., Perth Amboy, N. J. Fish lure. 1,755,047; Apr. 15.
- Brainard, Charles E., assignor to Western Foundry Company, Chicago, Ill. Pulverizer. 1,776,411; Sept. 23.
- Brainard Steel Corporation. (See Davis, Otis L., assignor.)
- Braine, Bancroft G., assignor to The Rail Joint Company, New York, N. Y. Stress-balanced splice bar. 1,781,432; Nov. 11.
- Braine, Daniel L., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Bulldozed compromise joint bar and blank. 1,756,338; Apr. 29.
- Braine, Daniel L., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Compromise rail-joint bar. 1,763,501; June 10.
- Braine, Daniel L., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Rail-joint bar. 1,781,433; Nov. 11.
- Brainerd, Harry W., Adrian, Mich., assignor to W. W. Wallace, Chicago, Ill. Pallet-laying device for brick machines. 1,742,845; Jan. 7.
- Brainich, Ernst, Wandsbek, near Hamburg, Germany. Tank for transportation of volatile liquids. 1,775,484; Sept. 9.
- Brakeman, Roy E., Birmingham, Ala. Tuyère. 1,773,944; Aug. 26.
- Brakensiek, Simon H., Columbus, Ill. Clarifying liquids. 1,775,233; Sept. 9.
- Brake Synchrometer Co. (See Karrer, Sebastian, assignor.)
- Brake Synchrometer Co. (See Langbein, Harold W., assignor.)
- Brake Synchrometer Co. (See Smith, Charles F., assignor.)
- Brake-Testing Equipment Corporation. (See Morgan, Harry, assignor.)
- Brake-Testing Equipment Corporation. (See Patton, Harry H., assignor.)
- Braly, Norman B., Redwood City, Calif. Mirror and illuminating means. 1,774,314; Aug. 26.
- Braly, Norman B., Redwood City, Calif. Illuminated mirror. 1,786,420; Dec. 30.
- Braly, Thomas E., Long Beach, Calif. Long-stroke walking-beam attachment. 1,773,298; Aug. 19.
- Bramberry, Harry M., Norfolk, Va. Ring tool. 1,764,146; June 17.
- Brame, Sam S., Waco, Tex. Exercising device. 1,774,224; Aug. 26.
- Bramhall, Fay B. (See Milnor, J. W., and Bramhall.)
- Bramhall, Ralph R. (See Oberdorfer, H. D., and Bramhall.)
- Bramming, Carl, Chicago, Ill., assignor to Delta Electric Company, Marion, Ind. Electric switch. Re17,897; Dec. 9.
- Bramson, Mogens L., Hendon, London, England. Control of aeroplanes and the like. 1,760,740; May 27.
- Bramwell, Balfour, Belfast, Ireland. Volumetric displacement apparatus suitable for controlling the supply of gas for chlorinating water or similar purposes. 1,746,186; Feb. 4.

- Bramwell, Francis H., Hartford, England, assignor to Atmospheric Nitrogen Corporation, Solvay, N. Y. Insulator for electric conductors. 1,766,593; June 24.
- Bramwell, Francis H., assignor to Imperial Chemical Industries Limited, London, England. Lining vessels for carrying out operations with liquids and the like. 1,787,101; Dec. 30.
- Branche, Nelson T. (See Stanbery, L. J., and Branche.)
- Branchu, Paul J., Guerande, France. Extra-rapid circuit breaker. 1,763,502; June 10.
- Brand, Charles, White Plains, N. Y. Double chain and padlock. 1,774,351; Aug. 26.
- Brand, Edwin J. (See Neuberger, Franklin H., assignor.)
- Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,760,540; May 27.
- Brand, James C. (See Chase, L. W., Smethers, Brand, and Barnhart.)
- Brand, James C. (See Chase, L. W., Zybach, and Brand.)
- Brand, Ole. (See Fuller, F., and Brand.)
- Brand, Samuel, assignor to The National Cash Register Company, Dayton, Ohio. Autographic register. 1,761,558; June 3.
- Brand, Samuel, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,651; June 3.
- Brand, Smart. (See Nyquist, H., and Brand.)
- Brand, William P., Muskegon, Mich. Switch. 1,753,846; Apr. 8.
- Brandeen, Arthur W., and L. H. Dion, Grand Rapids, Mich. Bake-oven-feeding apparatus. 1,769,201; July 1.
- Brandeis, Jennie. (See Hirstel, Dave, assignor.)
- Brandenburg, Francis C., assignor to The Wood Shovel and Tool Company, Piqua, Ohio. Shovel and shovel handle. 1,755,236; Apr. 22.
- Brandenburg, Samuel L. (See Hunt, W. P., Hallene, and Brandenburg.)
- Brandenstein, Errol W., Schenectady, N. Y., assignor to General Electric Company. Self-propelled vehicle. 1,765,298; June 17.
- Brander, Bertil, Stockholm, Sweden. Automatic telephone-exchange system. 1,748,538; Feb. 25.
- Brandes, Joseph D. (See Steele, J. A., and Brandes.)
- Brandes Laboratories, Inc. (See Brown, Ralph L., assignor.)
- Brandes Laboratories, Incorporated. (See Enderwood, Richard C., assignor.)
- Brandes Laboratories, Inc. (See Michell, Philip A., assignor.)
- Brandes Laboratories, Inc. (See Ray, John N., assignor.)
- Brandes Laboratories, Inc. (See Rootes, Percy, assignor.)
- Brandes, Otto W., Milwaukee, Wis. Window screen. 1,767,116; June 24.
- Brandl, Albert, and C. F. Wegner, Wausa, Nebr. Engine governor. 1,774,080; Aug. 26.
- Brandl, Georg, and W. Baensch, assignors to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Combined printing and tabulating machine. 1,746,414; Feb. 11.
- Brandl, Hans, and A. Goldberger, assignors of one-half to J. Haber and W. Ichilson, Vienna, Austria. Gaseous-fuel-mixing device. 1,778,790; Oct. 21.
- Brandon, Arthur H., Los Angeles, Calif. Weight support for vibratory controls. 1,742,685; Jan. 7.
- Brandon, Arthur H., Los Angeles, Calif. Device for operating electric switches. 1,743,314; Jan. 14.
- Brandon, Francis, New Albany, Ind. Handle. 1,783,107; Nov. 25.
- Brandon, Thomas B., and C. B. Harrison, Williamson, N. C. Advertising device. 1,769,414; July 1.
- Brandsma, Wiebold F., P. R. Dijksterhuis, G. J. Sizoo, and G. B. Jonas, Eindhoven, Netherlands, assignors to Radio Corporation of America. Magnetic material. 1,785,246; Dec. 16.
- Brandstrom, Arvid E., Milwaukee, Wis. Sound amplifier. 1,744,101; Jan. 21.
- Brandt, Alfred L., sr., Buffalo, assignor to Flexlume Corporation, Tonawanda, N. Y. Electroluminescent-tube beacon. 1,746,024; Feb. 4.
- Brandt Automatic Cashier Co. (See Brandt, Edward J., assignor.)
- Brandt, Carl A. W., Great Neck, assignor to The Superheater Company, New York, N. Y. Locomotive. 1,764,430; June 17.
- Brandt, Carl A. W., Great Neck, assignor to The Superheater Company, New York, N. Y. High-pressure locomotive. 1,764,431; June 17.
- Brandt, Daniel E., et al. (See Grim, John W., assignor.)
- Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Heat-interchanging apparatus. 1,770,375; July 15.
- Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Process and apparatus for the treatment of oil. 1,784,087; Dec. 9.
- Brandt, Edgar W., Paris, France. Support for phials, flasks, bottles, and like containers. 1,759,390; May 20.
- Brandt, Edward J., assignor to Brandt Automatic Cashier Co., Watertown, Wis. Coin runway. 1,747,752; Feb. 18.
- Brandt, Edward J., assignor to Brandt Automatic Cashier Co., Watertown, Wis. Coin tray. 1,757,613; May 6.
- Brandt, Gustav O., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Clip-applying tool. 1,751,071; Mar. 18.
- Brandt, Gustav O., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Assembling spring structures. 1,751,072; Mar. 18.
- Brandt, Henry E., St. Paul, assignor to The Dobbins Manufacturing Company, North St. Paul, Minn. Sprayer. 1,786,889; Dec. 30.
- Brandt, Herman A. and H. E., Miami, Fla. Awning shutter. 1,771,669; July 29.
- Brandt, Hugo E. (See Brandt, Herman A. and H. E.)
- Brandt, Millard, Tamaqua, Pa., assignor to Darco Corporation, Wilmington, Del. Water purification. 1,781,314; Nov. 11.
- Brandt, Millard, Tamaqua, Pa., assignor to Darco Corporation, Wilmington, Del. Regenerating used cooking fats. 1,781,661; Nov. 11.
- Brandt, Naya, New York, N. Y. Sanitary apron. 1,744,035; Jan. 21.
- Brandt, Philippe, Mulhouse, Frande, and K. Glenz, assignors to the firm Durand & Huguenin S. A., Basel, Switzerland. Obtaining fast dyeings and prints with vat dyestuffs. 1,779,305; Oct. 21.
- Brandt, Purl F. (See Pittam, G. R., Blevins, and Brandt.)
- Brandt, Walter, assignor to Österreichische Telephon-Fabrik-Actiengesellschaft, vormals J. Berliner, Vienna, Austria. Relay. 1,769,674; July 1.
- Brandt, William A., Drexel Hill, Pa., assignor to Automatic Electric Inc., Chicago, Ill. Testing equipment for automatic telephone systems. 1,775,550; Sept. 9.
- Brandt, William E. (See Cowley, Edwin F., assignor.)
- Brandwood, John, Southport, England. Yarn beam. 1,747,286; Feb. 18.
- Branger, Maurice L., Paris, France. Luminous projection apparatus. 1,768,111; June 24.
- Brann, Alfred, Seattle, Wash. Violin. 1,777,070; Sept. 30.
- Brann, George H. (See Varney, George I., assignor.)
- Brannaka, Robert B., Roaring Branch, Pa. Wire-twisting apparatus. 1,752,726; Apr. 1.
- Brannen, Frank J., Cleveland, Ohio. Liquid-supply-indicating device switch. 1,769,173; July 1.
- Branson, Charles W., Wallace, Va. Automatic impact water motor. 1,744,704; Jan. 21.
- Branson, David E., River Edge, N. J., assignor to American Telephone and Telegraph Company. Reduction of static interference in carrier systems. 1,752,325; Apr. 1.
- Branson, David E., River Edge, N. J., assignor to American Telephone and Telegraph Company. Reduction of static interference in carrier systems. 1,752,326; Apr. 1.
- Branstad, Arthur J., Eau Claire, Wis. Razor-blade-vending machine casing. Des. 82,872; Dec. 23.
- Branstetter, Bertha W. (See Branstetter, Herman F. and B. W.)
- Branstetter, Herman F. and B. W., Fort Pierce, Fla. Sunbath tent. 1,745,831; Feb. 4.
- Brant, Clyde C., Terre Haute, Ind. Elapsed-time register for airplanes. 1,785,724; Dec. 16.
- Brant, Jesse H., Youngstown, Ohio. Locking device for weighing scales. 1,750,623; Mar. 18.
- Brant, Park S., and F. Thomas, Friedenes, assignors of two-thirds to said Brant and one-third to L. B. Dungan, Acosta, Pa. Nut-splitting tool. 1,778,791; Oct. 21.
- Brantingham, Alan, assignor to Emerson-Brantingham Corporation, Rockford, Ill. Welding fixture. 1,759,036; May 20.
- Brantingham, Charles A., assignor to Emerson-Brantingham Corporation, Rockford, Ill. Table. 1,763,341; June 10.
- Brard, Evonor, assignor to Societe Anonyme des Ondes Dirigees, Paris, France. Radiotelegraphic or radiotelephonic communication. 1,744,036; Jan. 21.
- Braren, Lorenz K., Munich, Germany, assignor to the firm: Friedrich Deckel, Präzisionsmechanik und Maschinenbau, Munich, Bavaria, Germany. Gear transmission. Re17,811; Sept. 23.
- Braren, Lorenz K., Munich, assignor to the firm Friedrich Deckel Präzisionsmechanik und Maschinenbau, Munich, Germany. Reciprocating piston. 1,747,968; Feb. 18.
- Braren, Lorenz K., Munich, assignor to the firm Friedrich Deckel, Fabrik für Präzisionsmechanik und Maschinenbau, Munich, Germany. Engraving machine. 1,754,256; Apr. 15.
- Braren, Lorenz K., Munich, assignor to the firm Friedrich Deckel, Präzisionsmechanik und Maschinenbau, Munich, Bavaria, Germany. Gear transmission. 1,773,568; Aug. 19.
- Braselton, Chester H. (See MacLaren, Fred B., assignor.)
- Braselton, Chester H., New York, N. Y., assignor to Arcurus Radio Tube Company, Newark, N. J. Vacuum-tube filament connection and method of connecting. 1,774,698; Sept. 2.
- Braselton, Chester H., New York, and F. B. MacLaren, Malba, N. Y. Pump. 1,774,415; Aug. 26.
- Braselton, Chester H., New York, and F. B. MacLaren, Malba, N. Y.; said MacLaren assignor to said Braselton. Liquid-elevating pump. 1,746,693; Feb. 11.
- Braselton, Chester H., New York, and F. B. McLaren, Malba, N. Y.; said McLaren assignor to said Braselton. Level-maintaining means in pumping systems. 1,769,800; July 1.
- Brash, Victor G., Tampa, Fla. Pilling for subaqueous constructions. 1,742,947; Jan. 7.
- Brasler, Oscar H., Tacoma, Wash. Toy bank. Des. 82,132; Sept. 30.
- Brasler, Oscar H., Tacoma, Wash. Coin bank. 1,742,984; Jan. 7.
- Brassert, H. A., & Company. (See Andrews, Charles W., assignor.)

- Brassert, H. A., & Company. (See Andrews, C. W., Grilli, Wetherbee, and Dougan, assignors.)
- Brassert, H. A., Inc. (See Boynton, Arthur J., assignor.)
- Brassert, H. A., & Company. (See Brassert, H. A., Hulse, and Andrews, assignors.)
- Brassert, H. A., & Company. (See Hulse, Albert J., assignor.)
- Brassert, H. A., & Company. (See von Maltitz, Edmund, assignor.)
- Brassert, H. A., & Company. (See von Maltitz, E., and Wille, assignors.)
- Brassert, H. A., & Company. (See Wille, Fredrik, assignor.)
- Brassert, Herman A., A. J. Hulse, and C. W. Andrews, assignors to H. A. Brassert & Company, Chicago, Ill. Checkerwork. 1,771,286; July 22.
- Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Feed mechanism for rotary duplicating machines. 1,756,674; Apr. 29.
- Bratlie, Arthur, Snoqualmie Falls, assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Sawmill-block cleaner. 1,768,029; June 24.
- Bratrud, Otto M., Seattle, Wash. Adjustable cutting instrument. 1,755,535; Apr. 22.
- Bratt, James E., and C. H. Boyd, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Mechanism for notching and feeding body blanks to body makers. 1,759,683; May 20.
- Brattlien, Erick A., Kensington, Minn. Snowplow. 1,784,331; Dec. 9.
- Bratton, George S., assignor to Anheuser-Busch, Incorporated, St. Louis, Mo. Manufacturing yeast. 1,767,646; June 24.
- Bratu, Romulus, Paris, France. Aircraft. 1,784,654; Dec. 9.
- Bräuer, Ernst, Voigtsdorf, Germany. Transmission of messages by electromagnetic waves. 1,768,287; June 24.
- Brauer, Walter, Seminole, Okla. Automatic brake regulator for rotary drilling. 1,779,656; Oct. 28.
- Brauer, Walter, Seminole, Okla. Pressure-feed lubricator. 1,750,701; Mar. 18.
- Braun, Carl A., Munich, Germany. Manufacturing cellulose and textile fibers from vegetable matter. 1,786,890; Dec. 30.
- Braun, C. F., & Co. (See Calhoun, Guy K., assignor.)
- Braun, Carl F. (See Kremsler, Alois, assignor.)
- Braun, Ferdinand, et al., executors. (See Mauser, Alfons.)
- Braun, Frank C. (See Pulets, George, assignor.)
- Braun, Herman F. (See Smith, W. J., and Braun.)
- Braun, Johann J., Marbach, Germany. Landing method and apparatus for flying machines. 1,771,727; July 29.
- Braun, Linus A., Minneapolis, Minn. Wood-pulp production and refining. 1,784,039; Dec. 9.
- Braun, Otto A., Fond du Lac, Wis. Dual control for airplanes. 1,746,762; Feb. 11.
- Braun, Philip N. (See Schremp, E. J., and Braun.)
- Braun, Philip N., assignor, by mesne assignment, to The Prosperity Company, Inc., Syracuse, N. Y. Automatic tray press. 1,771,245; July 22.
- Braun, William A. (See Johnson-Vea, C. T., and Braun.)
- Braun, William A., and C. Maurer, assignors to Dover Manufacturing Co., Dover, Ohio. Making electrical heating units. 1,745,526; Feb. 4.
- Braun, William F. H., Philadelphia, Pa. Lawn mower. 1,758,497; May 13.
- Braun, William F. H., Wynnewood, Pa. Lawn mower. 1,763,215; June 10.
- Brauning, Karl A., Stamford, Conn. Garage-door closer. 1,775,931; Sept. 16.
- Brauning, Karl A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Automobile lock means. 1,752,282; Mar. 25.
- Brauning, Karl A., and A. Lawrence, assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Knob fastener. 1,743,955; Jan. 14.
- Braunsdorf, Otto. (See Wilke, K., Thiess, and Braunsdorf.)
- Braunstein, Achille, Brooklyn, assignor to Anchor Corrugating Construction Co., New York, N. Y. Building construction. 1,762,756; June 10.
- Braunstein-Loskant, Joseph, Basel, Switzerland. Apparatus for learning correct bow work for stringed instruments. 1,753,053; Apr. 1.
- Braunstein, Milton, New York, N. Y. Address card for shipping containers. 1,767,573; June 24.
- Braunstein, Roger, assignor to The Société Anonyme des Anciens Etablissements Braunstein Freres, Paris, France. Blocks of imbricated sheets. 1,777,252; Sept. 30.
- Braunstein, Schulim, Berlin, Germany. Container for storage and transport of liquefied gases. 1,781,048; Nov. 11.
- Brautigam, Otto G., Jersey City, N. J., assignor to McDonald Engineering Corporation, New York, N. Y. Labeling machine. 1,746,988; Feb. 11.
- Braxmar, C. G., Company, The. (See Bradbrook, George E., assignor.)
- Bray, Lee C., Richmond, Calif. Convertible automobile seat. 1,777,193; Sept. 30.
- Bray, Little B., Bonaire, Ga. Hame hook. 1,781,975; Nov. 18.
- Bray, Mellen N., assignor to Tubular Rivet & Stud Company, Boston, Mass. Hook-setting machine. 1,759,836; May 27.
- Bray, Patrick H., Long Beach, Calif. Built-up standing-column pump. 1,755,421; Apr. 22.
- Bray, Reginald G., Shawinigan Falls, Quebec, Canada. Valve mechanism. 1,169,202; July 1.
- Brayant, William Le R., Springfield, Vt. Wheel head and the like. 1,755,238; Apr. 22.
- Brayton, Wilfrid V., and A. E. Vince, Hastings, England. Butter-dividing machine. 1,775,189; Sept. 9.
- Braybrooks, William M., Philadelphia, assignor to Gulf Oil Burner Company, Pittsburgh, Pa. Pump. 1,779,897; Oct. 28.
- Brayton, Corey C., Berkeley, Calif., assignor to American Manganese Steel Company, Chicago, Ill. Nigger bar. 1,759,037; May 20.
- Brayton, Harold M., Dover, N. J., assignor to Secretary of War of the United States of America. Combination fuse. 1,751,616; Mar. 25.
- Brazell, Thomas W., Pringle, S. Dak. Railway gate and control therefor. 1,746,238; Feb. 11.
- Brazell, Thomas W., Pringle, S. Dak. Gate-operating mechanism. 1,755,948; Apr. 22.
- Breadon, William C., Astoria, N. Y. Shoe lace. 1,767,732; June 24.
- Breckell, James, and H. M. La Brie, Roanoke, Va., assignors to The Viscose Company, Marcus Hook, Pa. Drive connection for artificial-silk-spinning boxes. 1,746,187; Feb. 4.
- Breaux, Wilson J., New Orleans, La. Razor-blade sharpener. 1,764,776; June 17.
- Brecht, Carl F., Indianapolis, Ind. Picture frame. 1,759,432; May 20.
- Brecht Casing Company. (See Deacon, Edward F., assignor.)
- Brecht, Emil, Guben, Germany. Process and machine for felting bats for hats. 1,771,839; July 29.
- Brecht, Walter, and E. Schaun, Augsburg, Germany. Apparatus for regulating lateral movement of longitudinal sieves. 1,755,202; Apr. 22.
- Brehting, Alfred. (See Warren, John R., assignor.)
- Breckenridge, Floyd. (See Schurr, L. A., and Breckenridge.)
- Brecknell Munro & Rogers (1928) Limited. (See Dolman, Henry J., assignor.)
- Bredbury, Thomas, Andover, assignor to Patent Protection Corporation, trustee, Lowell, Mass. Device for cleaning gill-box fallers. 1,762,853; June 10.
- Bredenberg, Alfred, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Bookbinding or covering machine. 1,755,237; Apr. 22.
- Bredenberg, Alfred, Champlain, assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company, New York, N. Y. Press for operating upon sheet material. 1,784,721; Dec. 9.
- Brédin, Pierre, Stolberg, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Device for cutting sheet glass. 1,774,225; Aug. 26.
- Bredow, Ewald, assignor of one-half to A. W. Meyer, Albany, N. Y. Slicing machine. 1,756,237; Apr. 29.
- Breed, D. F., Guardian. (See Kasuboski, Clement B.)
- Breeden, Francis, assignor to Automatic Moulding Machines Limited, Birmingham, England. Tamping device for use in molding operations. 1,751,465; Mar. 25.
- Breedlove, William C., Levelland, Tex. T-wind cone. 1,742,574; Jan. 7.
- Breen, William F. (See Fuller, G. L., and Breen.)
- Breer, Carl, assignor to Chrysler Corporation, Detroit, Mich. Filter attachment for gasoline systems. 1,746,336; Feb. 11.
- Breer, Carl, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle. 1,748,702; Feb. 25.
- Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Oil-burning apparatus. 1,743,081; Jan. 7.
- Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Closure for use with burner units. 1,751,973; Mar. 25.
- Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Hydrocarbon burner. 1,752,727; Apr. 1.
- Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Thermostat. 1,757,951; May 13.
- Breeze Corporation. (See Lewis, James R., assignor.)
- Breeze, Victor, Kingstonville, near Lewes, England. Electric controller of the liquid type. 1,762,007; June 3.
- Bregor, Irving, assignor of one-half to W. H. Pettridge, Evanston, Ill. Watch dial. Des. 82,245; Oct. 14.
- Bregman, Harry, assignor to The Steel Stamping Company, Lorain, Ohio. Toy telephone. 1,777,427; Oct. 7.
- Breguet, Louis, assignor to Société Anonyme Des Ateliers D'Aviation Louis Breguet, Paris, France. Shock-absorbing hub. 1,777,347; Oct. 7.
- Breguet, Louis, assignor to Société Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Radiator system for airships. 1,779,898; Oct. 28.
- Brehm, Frederick W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-roll holder. 1,771,483; July 29.
- Brehm, John C., Bayonne, N. J. Beater attachment for vacuum cleaning machines. 1,771,992; Aug. 5.
- Brehmer, Carl F., Philadelphia, Pa. Magic card box. 1,762,501; June 10.
- Breidenbach, Max, Mainz, Germany. Game. 1,782,254; Nov. 18.

- Breidert, George C., Oak Park, assignor to Ilg Electric Ventilating Company, Chicago, Ill. Self-cooled electric motor. 1,779,657; Oct. 28.
- Breisky, John V., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Direct-current relay. 1,755,766; Apr. 22.
- Breisky, John V., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective system. 1,764,885; June 17.
- Breitenbach, Herman J. (See Cockburn, F. B., and Breitenbach.)
- Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Self-opening die head. 1,753,819; Apr. 8.
- Breitenstein, Albert F., assignor to The Geometric Tool Co., New Haven, Conn. Self-opening die head. 1,753,848; Apr. 8.
- Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Self-opening die head. 1,756,277; Apr. 29.
- Breitenstein, Albert F., assignor to The Geometric Tool Co., New Haven, Conn. Collapsing taper-thread tap. 1,782,804; Nov. 25.
- Breithaupt, Oscar, Detroit, Mich. Nail holder. 1,761,769; June 3.
- Breitling, Adolf, Tampico, Mexico, assignor of eighteen per cent to G. L. Zarate and seven per cent to J. E. Palmer. Charge-treating device for internal-combustion engines. 1,782,709; Nov. 25.
- Breitling, Ernst, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Line-adjusting mechanism. 1,760,870; June 3.
- Breitwieser, Edward, Buffalo, N. Y. Deodorizer for incinerators. 1,773,256; Aug. 19.
- Breitwieser, Edward, assignor to Buffalo Co-Operative Stove Co., Buffalo, N. Y. Sliding holder for broiler pans. 1,772,534; Aug. 12.
- Bremer, William A., Los Angeles, Calif. Water-measuring apparatus. 1,750,872; Mar. 18.
- Bremer, William S., St. Charles, Mo., assignor to Economy Aluminum Company. Pipe union. 1,765,753; June 24.
- Bremerman, Edward C., Indianapolis, Ind. Musical-instrument body and making. 1,769,106; July 1.
- Bremerman, Frank B., Indianapolis, Ind. Speed boat. 1,750,743; Mar. 18.
- Bremford, Ernest G. (See Wozniak, J., and Bremford.)
- Bre Miller, Clifford E., Chicago, Ill., assignor to Cook Laboratories, Inc. Filling apparatus. 1,769,941; July 8.
- Brenchley, Richard, Reims, France, assignor, by mesne assignments, to Dual Motors Ltd., London, England. Phonograph. 1,781,679; Nov. 18.
- Brendle, Julius, Zurich, Switzerland. Time-recording instrument. 1,746,761; Feb. 11.
- Brendle, Julius, Zurich, Switzerland. Time-recording instrument. 1,746,884; Feb. 11.
- Brendlin, Herman J., assignor to The Hayward Company, New York, N. Y. Excavating shovel. 1,766,053; June 24.
- Brendlin, Herman J., assignor to The Hayward Company, New York, N. Y. Bucket. 1,772,624; Aug. 12.
- Brenek, Hans. (See Rothe, F., and Brenek.)
- Brenek, Hans, assignor to the firm Rhenania Verein Chemischer Fabriken Aktiengesellschaft, Aachen, Germany. Making solutions of salts of alkali metal and aluminum. 1,745,734; Feb. 4.
- Breneman, Edward P., St. Paul, Minn. Ash receiver for automobiles. 1,746,634; Feb. 11.
- Brenkert, Joseph W. (See Brenkert, Karl and J. W.)
- Brenkert, Karl and J. W., Detroit, Mich. Projection apparatus. 1,766,102; June 24.
- Brennan, Albert J., Elgin, Ill. Operating mechanism for window ventilators. 1,747,420; Feb. 18.
- Brennan, Annie K., Philadelphia, Pa. Combined corset and brassiere. 1,756,809; Apr. 29.
- Brennan, Arthur T., Detroit, Mich. Screen hanger. 1,766,054; June 24.
- Brennan, Bernard G. (See Dawson, James W., assignor.)
- Brennan, Charles T., Waterbury, Conn. Open-die-heading machine. 1,755,312; Apr. 22.
- Brennan, Daniel A., Chicago, Ill. Fastener. 1,771,728; July 29.
- Brennan, Edward M. (See Markley, J., and Brennan.)
- Brennan, Edward M., assignor to The Bauer Brothers Company, Springfield, Ohio. Cleaning apparatus for cottonseed. 1,784,219; Dec. 9.
- Brennan, James S., Attleboro, Mass. Combined spiritual mass card tray and stand therefor. Des. 80,828; Apr. 1.
- Brennan, Joseph H., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Treating manganese ores. 1,768,112; June 24.
- Brennan, Malachi F., assignor of one-half to W. J. Buckley. Wollaston, Mass. Window portal. 1,746,518; Feb. 11.
- Brennan, Mark O., and G. Schuler, assignors to Swift and Company, Chicago, Ill. Machine for applying flexible casings to magazines. 1,761,189; June 3.
- Brennan, Thomas, assignor to J. I. Case Company, Racine, Wis. Seeding machine. 1,770,641; July 15.
- Brenne, Arild M., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Side bearing. 1,763,843; June 17.
- Brenne, Arild M., Grand Rapids, Mich., assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator-car-door fastener. 1,760,187; May 27.
- Brenne, Carl F., assignor to Pnon-Book-Index Co., Inc., Seattle, Wash. Providing celluloid with an adhesive. 1,745,977; Feb. 4.
- Brennecke, Robert A., White Plains, N. Y. Condenser. 1,745,400; Feb. 4.
- Brenneis Manufacturing Company. (See Furrer, Samuel S., assignor.)
- Brenneman, Milton B., Davenport, Iowa. Physics laboratory apparatus. 1,782,644; Nov. 25.
- Brennen, John B., Atlanta, Ga. Attachment for cotton-cleaning machines. 1,760,037; May 27.
- Brennen, William J., Scottsdale, Pa. Motor protective device. 1,782,458; Nov. 25.
- Brenner, Charles L. (See Bettex, W. L., and Brenner.)
- Brenner, Charles M., Shreveport, La. Refrigeration coil. 1,753,042; Apr. 1.
- Brenner, Edward, Haverhill, Mass. Shoe and making the same. 1,756,083; Apr. 29.
- Brenner, Fred A., Belleville, Ill., assignor to Gretsche & Brenner, Inc., New York, N. Y. Reed for musical instruments. 1,783,824; Dec. 2.
- Brenner, Sol M., assignor to M. S. Levy & Sons, Inc., Baltimore, Md. Hatband assembly. 1,773,514; Aug. 19.
- Brenzinger, Julius, Fairfield, assignor to The Max Ams Chemical Engineering Corporation, Bridgeport, Conn. Pump. 1,753,232; Apr. 8.
- Brenzinger, Julius, Fairfield, assignor to The Max Ams Chemical Engineering Corporation, Bridgeport, Conn. Spinning machine. 1,768,231; June 24.
- Bresien, Fritz E., Jersey City, N. J. Bearing. 1,776,412; Sept. 23.
- Bresler, Louis L., assignor to H. T. Pollan, Chicago, Ill. Lock. 1,785,335; Dec. 16.
- Breslin Brothers Carpet Company. (See Martin, Henry K., assignor.)
- Breslin, James J. (See Fischer, S., and Breslin.)
- Breslow, Ben B., Los Angeles, Calif. Interviewer. 1,747,156; Feb. 18.
- Bresnahan, Maurice V., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole-holding device. 1,749,900; Mar. 11.
- Bressan, Anthony J., Plainfield, N. J., assignor to Electro Thermal Unit Company, Philadelphia, Pa. Electric heating unit. 1,778,884; Oct. 21.
- Bresters, William, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system. 1,763,878; June 17.
- Breton, Jules L., Bellevue, France. Machine for washing, drying, and sterilizing dishes. 1,761,812; June 3.
- Breton, Paul, Bellevue, France. Vacuum cleaning machine. 1,762,142; June 10.
- Bretschneider, Max. (See Gahlert, F. J., and Bretschneider.)
- Brett, Ernest E., Coral Gables, Fla. Bucking machine for football players. 1,762,435; June 10.
- Brett, Henry E., Los Angeles, assignor to J. A. Yerkes, Long Beach, Calif. Valve. 1,753,818; Apr. 8.
- Brettler, Harry, Brooklyn, N. Y., assignor to Ideal Lighting Novelty Co., New York, N. Y. Shadow lamp or article of analogous nature. Des. 82,313; Oct. 21.
- Breuer, Adam A., Chicago, Ill. Combined blower and suction device. 1,749,373; Mar. 4.
- Breuer, Adam A., Chicago, Ill. Spraying device. 1,773,129; Aug. 19.
- Breuer, Adam A., Chicago, Ill. Combined blower and suction device. 1,776,778; Sept. 30.
- Breuer, Adam A., Chicago, Ill. Portable heat blower. 1,777,744; Oct. 7.
- Brewer, Charles A., Noroton Heights, Conn. Forced-feed vaporizer. 1,765,125; June 17.
- Brewer, Charles A., Noroton Heights, Conn. Apparatus for soil treatment. 1,777,391; Oct. 7.
- Brewer & Company. (See Roeg, Louis M., assignor.)
- Brewer, Edward, Toronto, Ontario, Canada. Game. 1,751,466; Mar. 25.
- Brewer, Eva G., Dallas, Tex. Diaper. 1,762,468; June 10.
- Brewer, John W., Magna, Utah. Rail joint. 1,758,072; May 13.
- Brewer, Joseph. (See Berko, B., and Brewer.)
- Brewer, Joseph, New York, N. Y. Key case. 1,756,627; Apr. 29.
- Brewer, Roy C., Blackfalds, Alberta Canada. Cultivator reel. 1,757,511; May 6.
- Brewer-Titchener Corporation, The. (See Stannard, Bruce M., assignor.)
- Brewer, William C., Toledo, Ohio. Air mixer. 1,747,573; Feb. 18.
- Brewer, William R., Duluth, Minn. Hinge. 1,761,178; June 3.
- Brewer, William R., Duluth, Minn. Steering gear. 1,773,342; Aug. 19.
- Brewer, William R., Duluth, Minn. Compound duplex differential. 1,776,677; Sept. 23.
- Brewer, William R., Duluth, Minn. Nonskid device. 1,780,967; Nov. 11.
- Brewin, Harry E., and A. C. Mackey, Pleasantville, N. J. Dyeing apparatus. 1,747,048; Feb. 11.
- Browster, Charles L., and W. P. Henry, Huntington Beach, Calif. Holding tool for use in wells. 1,758,998; May 20.
- Browster, Charles W., assignor, by mesne assignments, to Sprague Safety Control and Signal Corporation, New York, N. Y. Automatic train control and signal. 1,765,355; June 17.

- Brewster, Percy D., Newark, N. J. Camera for color cinematography. 1,752,477; Apr. 1.
- Brewster, Thomas E., Grand Rapids, Mich. Compensating division sheet. 1,783,777; Dec. 2.
- Brewton, Joseph L., Ruston, La. Harrow. 1,757,512; May 6.
- Brewton, Joseph L., Ruston, La. Harrow-tooth holder. 1,760,341; May 27.
- Brey, Harold E., assignor to Koehring Company, Milwaukee, Wis. Traction driving mechanism. 1,758,216; May 13.
- Breyer, Archibald C., Burlingame, Calif. Automobile tire-rim lug. 1,758,310; May 13.
- Breyer, Robert, Milwaukee, Wis. Stocking-ankle-machine attachment. 1,757,167; May 6.
- Breyfogle, Roy H., White Pigeon, Mich. Tub beater. 1,774,195; Aug. 26.
- Breza, Joseph, Paris, France. Finger exerciser. 1,743,264; Jan. 14.
- Brice, Albert L., assignor to The Frederick Iron & Steel Company, Frederick, Md. Cylinder drain cock. 1,744,357; Jan. 21.
- Brice, Arthur W., Rochester, and W. Hamann, Irondequoit, N. Y., assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe-finishing machine. 1,746,519; Feb. 11.
- Brice, Henry E., New York, N. Y. Transmission device. 1,770,295; July 8.
- Brice, Roy C., assignor to The Miller Rubber Company, Akron, Ohio. Inflatable bag for use in tire building. 1,755,048; Apr. 15.
- Brick, Arthur. (See Rubens, Ben, assignor.)
- Bricken, John, Los Angeles, Calif., assignor of one-half to Regan Forge & Engineering Company, San Pedro, Calif., and one-half to E. F. Britten, jr., Maplewood, N. J. Well drilling and pumping apparatus. 1,776,779; Sept. 30.
- Bricker, Carl H., Des Moines, Iowa. Liquid-dispensing comb. 1,757,290; May 6.
- Brickhill, Everard C., North Fitzroy, Australia. Water sprinkler. 1,780,332; Nov. 4.
- Brickie, Peter E. (See Uhl, A., and Brickie.)
- Brickman, Allen E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness sheave stand for looms. 1,786,696; Dec. 30.
- Brickner, A. J., et al. (See Le Boeuf, Russell L., assignor.)
- Bridenbaugh, Elmer H. (See Martin, S. O., and Bridenbaugh.)
- Bridenbaugh, Elmer H. (See Scott, E. E., and Bridenbaugh.)
- Bridge, Herbert S., assignor to The Crane & Breed Casket Company, Cincinnati, Ohio. Draped burial casket. Des. 80,562; Feb. 25.
- Bridge Specialties Company, The. (See Bowman, Birney W., assignor.)
- Bridgeman, Walter A., assignor to The Wilbur White Chemical Co., Owego, N. Y. Waterproofing of materials. 1,785,434; Dec. 16.
- Bridgeport Brass Company. (See Brown, Gregory, assignor.)
- Bridgeport Brass Company. (See Clark, Walter R., assignor.)
- Bridgeport Brass Company. (See Oakley, Erastus G., assignor.)
- Bridgeport Hardware Manufacturing Corporation, The. (See Anderson, John A., assignor.)
- Bridgeport Hardware Manufacturing Corporation, The. (See Hobbs, Willis F., assignor.)
- Bridgeport Hardware Manufacturing Corporation, The. (See Hobbs, W. F., and Anderson, assignors.)
- Bridgeport Hardware Manufacturing Corporation, The. (See Platt, Arthur I., assignor.)
- Bridgeport Metal Goods Manufacturing Company, The. (See Fullmer, Giles C., assignor.)
- Bridges, Charles E., Long Beach, Calif. Pressure regulator. 1,764,503; June 17.
- Bridges, Ira D., Sanford, N. C., assignor to Draper Corporation, Hopedale, Mass. Loom crank-shaft box-cap bearing. 1,754,195; Apr. 8.
- Bridgman, Arthur L., assignor of one-half to C. H. Sherburne, Boston, Mass. Valve. 1,766,703; June 24.
- Bridwell, Chalon E., Detroit, Mich. Boat. 1,748,408; Feb. 25.
- Bridwell, Charles C., Westerville, Ohio. Typewriting machine. 1,781,629; Nov. 11.
- Brieche, Ambrosius. (See Goldsmith, B. J., Koeb, and Brieche.)
- Brieche, Ambrosius, assignor to Fairchild Aerial Camera Corporation, New York, N. Y. Aerial camera. 1,782,864; Nov. 25.
- Briede, Charles B., and H. L. Kutter, Hamilton, Ohio. Paper-making machine. 1,757,291; May 6.
- Briel, Kurt, Brooklyn, N. Y. Commutator cleanser. 1,750,990; Mar. 18.
- Brière, Adolphe, Montreal, Quebec, Canada. Window fly screen. 1,756,176; Apr. 29.
- Brierley, Clifton, assignor to Tasty Baking Company, Philadelphia, Pa. Separator for containers. 1,763,416; June 10.
- Briese, Alfred, and R. Callow, Wheeling, W. Va. Drill holder. 1,744,521; Jan. 21.
- Briggs, Adelbert L., and H. Sauers, Escanaba, Mich. Crank-case heater for motor vehicles and the like. 1,754,080; Apr. 8.
- Briggs, Alfred A. and J. A., New York, N. Y. Flush-tank fixture. 1,769,617; July 1.
- Briggs, Arthur J. (See Newkirk, E. D., and Briggs.)
- Briggs, Arthur J., Syracuse, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor valve. 1,751,230; Mar. 18.
- Briggs, Burdett B., Chicago, Ill. Connecting rod. 1,786,934; Dec. 30.
- Briggs, Frederick, assignor to Briggs Packing Co., Washington, D. C. Treating meats. 1,767,054; June 24.
- Briggs, George W. (See Campbell, Frank J., assignor.)
- Briggs, Henry E., assignor of four-tenths to N. J. Smith, Columbia Falls, Mont. Cork puller. 1,752,227; Mar. 25.
- Briggs, Josiah A. (See Briggs, Alfred A. and J. A.)
- Briggs, Leslie F. (See Thompson, W., and Briggs.)
- Briggs, Loyd A., Cranford, N. J., assignor to Radio Corporation of America. Signaling. 1,781,361; Nov. 11.
- Briggs Manufacturing Company. (See Clark, James H., assignor.)
- Briggs Manufacturing Company. (See Happone, Matt, assignor.)
- Briggs Manufacturing Company. (See Hoskyns, William J., assignor.)
- Briggs Manufacturing Company. (See Maise, Herman C., assignor.)
- Briggs Manufacturing Company. (See Marshall, William, assignor.)
- Briggs Manufacturing Company. (See Marshall, W., and Camiener, assignors.)
- Briggs Manufacturing Company. (See Marshall, W., and De Smet, assignors.)
- Briggs Manufacturing Company. (See Marshall, W., and Woodhull, assignors.)
- Briggs Manufacturing Company. (See Morgana, Charles, assignor.)
- Briggs Packing Co. (See Briggs, Frederick, assignor.)
- Briggs, Robert E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Belt-idler support. 1,778,060; Oct. 14.
- Briggs, Stephen L., Chicago, Ill. Picture-printing machine. 1,783,953; Dec. 9.
- Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)
- Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
- Briggs & Stratton Corporation. (See Mack, Perry E., assignor.)
- Briggs & Stratton Corporation. (See Stuckert, Felix J., jr., assignor.)
- Briggs, Walter G., Stratton, Nebr. Snow-cleaning apparatus. 1,744,066; Jan. 21.
- Brigham, Charles W., Attleboro, Mass., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,873; Dec. 23.
- Brigham, Charles W., Attleboro, Mass., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,874; Dec. 23.
- Brigham, Charles W., Attleboro, Mass., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,875; Dec. 23.
- Brigham, Charles W., Attleboro, Mass., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,876; Dec. 23.
- Brigham, Henry M., Brooklyn, assignor to John Chatillon & Sons, New York, N. Y. Spring scale. 1,785,541; Dec. 16.
- Bright, Charles G. (See Mahler, E., and Bright.)
- Bright, George B., Detroit, Mich. Ice-harvesting device. 1,751,617; Mar. 25.
- Bright, George B., Detroit, Mich. Ice plant. 1,755,203; Apr. 22.
- Bright, Martin C., Indianapolis, Ind. Automatic gravity cut-off-controlling apparatus. 1,781,315; Nov. 11.
- Bright, William P., Bethlehem, Pa. Adjustable door jamb. 1,750,921; Mar. 18.
- Brightman, Rainald. (See Baddiley, J., Brightman, and Chorley.)
- Brightman, Rainald. (See Baddiley, J., Chorley, and Brightman.)
- Brightmore, James, Tideswell, England. Fixation of atmospheric nitrogen. 1,776,308; Sept. 23.
- Bright Star Battery Company. (See Barasch, A. I., and Skimin, assignors.)
- Bright Star Battery Company. (See Freitag, Joseph, assignor.)
- Bright Star Battery Company. (See Koretzky, Harry M., assignor.)
- Brigida, Joseph, New York, N. Y. Electrolysis device. 1,781,362; Nov. 11.
- Briles, Larkin, Chico, Calif. Stepladder. 1,742,304; Jan. 7.
- Brill, August C., Oberursel, near Frankfurt-on-the-Main, Germany, assignor to The Turner Tanning Machinery Company, Portland, Me. Plating skins. 1,783,952; Dec. 9.
- Brill, Clinton M., Petersburg, W. Va. Gasoline-storage tank. 1,763,950; June 17.
- Brill, H. J. (See Henry, Clayton E., assignor.)
- Brill, J. G., Company, The. (See Adams, Walter S., assignor.)
- Brill, J. G., Company, The. (See Adams, W. S., and Latshaw, assignors.)
- Brill, J. G., Company, The. (See Adams, W. S., and Slingluff, sr., assignors.)

- Brill, J. G., Company, The. (See Durning, Edward G., assignor.)
- Brill, J. G., Company, The. (See Latshaw, Elmer, assignor.)
- Brill, J. G., Company, The. (See Sayres, C., and Peabody, assignor.)
- Brillie, Eugene, Paris, France. Steam engine particularly applicable to combined internal-combustion and steam engines. 1,754,602; Apr. 15.
- Brillie, Eugene, Paris, France. Apparatus for signaling condition of fluid in conduits. 1,782,838; Nov. 25.
- Brillou, Louis, Paris, France. Fire extinguisher. 1,767,428; June 24.
- Brillouin, Léon N., Paris, France. Device for producing an electric discharge. 1,752,228; Mar. 25.
- Brimer, Robert F., assignor of one-half to Walter B. Avery, Washington, D. C. Combined wrapper or envelope and guard for frozen confections. 1,761,703; June 3.
- Brimer, Thomas J., Chicago, Ill., assignor to Good Humor Corporation of America, Cleveland, Ohio. Chimes. 1,774,126; Aug. 26.
- Brimm, Daniel J., jr., West Hempstead, assignor to Ireland Aircraft, Inc. Retractable landing gear. 1,753,770; Apr. 8.
- Brinckl, Joseph, Reading, Pa. Porous bearing body. 1,771,615; July 29.
- Brinckerhoff, Francis McF., Suffern, N. Y., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Articulated car. 1,765,649; June 24.
- Brindle, Robert, jr., West Orange, N. J., assignor to Westinghouse Lamp Company. Threading bases. 1,760,629; May 27.
- Brindley, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,768,661; July 1.
- Briney, Barton H., Indiana Harbor, Ind. Heating boiler. 1,780,576; Nov. 4.
- Bring, Einar J., Franklin, Pa. Four-cycle engine. 1,746,635; Feb. 11.
- Brink, William and G. L. Hess, El Dorado, Ark., assignors to General Oil Products Company. Method and apparatus for cracking oil. 1,783,697; Dec. 2.
- Brinker, Frederic A., San Francisco, Calif., assignor of one-fourth to J. P. Ruth, jr., Denver, Colo. Two-step sulphatizing roast. 1,749,125; Mar. 4.
- Brinker, Henry J., Whitaker, Pa. Rat trap. 1,771,871; July 29.
- Brinkerhoff, Frederic H., Belleville, N. J. Testing coins. 1,760,579; May 27.
- Brinkley, James R. (See Lambdin, Howard B., assignor.)
- Brinkman, John G., Kansas City, Mo., assignor to The National Marking Machine Company, Cincinnati, Ohio. Laundry-marking machine. 1,748,328; Feb. 25.
- Brinkman, Louis G., Dayton, Ohio. Roller skate. Des. 81,773; Aug. 12.
- Brinkman, Louis H., Glenridge, N. J. Apparatus for forming tapered tubes. 1,778,181; Oct. 14.
- Brinkman, William F., jr., St. Louis, Mo. Smoke consuming or cleaning device. 1,743,422; Jan. 14.
- Brinsmere Boat and Cycle Company. (See Froedtert, Kurtis R., assignor.)
- Brinsmere Boat & Cycle Company. (See Gorski, Michael, assignor.)
- Brintnall, Frank W., Detroit, Mich., assignor, by mesne assignments, to National Automotive Fibres, Inc., Wilmington, Del. Sewing machine. 1,779,899; Oct. 28.
- Brintnall, Frank W., Detroit, Mich., assignor, by mesne assignments, to National Automotive Fibres, Inc., Wilmington, Del. Upholstery-forming machine. 1,779,900; Oct. 28.
- Brinton, Charles E., Los Angeles, Calif. Well-drilling tool. 1,781,049; Nov. 11.
- Brinton, Willard C., assignor to Terminal Engineering Company, Inc., New York, N. Y. Motor truck for freight handling. 1,745,598; Feb. 4.
- Brinton, William P., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Block printing machine and method of printing. 1,756,177; Apr. 29.
- Briod, André E. (See Christiansen, W. G., Chappell, and Briod.)
- Briody, Bernard, assignor to Truscon Steel Company, Youngstown, Ohio. Dowel for concrete structures. 1,752,327; Apr. 1.
- Brisbow, Edward J. (See Grills, H. M., Blagdon, and Brisbow.)
- Brisse, Frank D. (See Blumenauer, H. P., and Brisse.)
- Brisse, William C. (See Blumenauer, H. P., and Brisse.)
- Bristol Aeroplane Company Limited, The. (See Fedden, Alfred H. R., assignor.)
- Bristol Aeroplane Company. (See Frise, Leslie G., assignor.)
- Bristol, Benjamin H., and A. G. Beal, assignors to The Foxboro Company, Foxboro, Mass. Indicating and recording instrument. 1,778,702; Oct. 14.
- Bristol Company, The. (See Carney, John J., assignor.)
- Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Recording instrument. 1,752,059; Mar. 25.
- Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Measuring instrument. 1,781,212; Nov. 11.
- Bristol, Edward S., assignor to Leeds & Northrup Company, Philadelphia, Pa. Method and apparatus for compensating integrating meters. 1,777,030; Sept. 30.
- Bristol, Elsworth M., Oakland, Calif. Device for maintaining closures in opened or closed position. 1,743,654; Jan. 14.
- Bristol, Wm. H., Talking Picture Corporation. (See Garigus, Clarence G., assignor.)
- Bristol, Wm. H., Talking Picture Corporation. (See Griggs, Henry L., assignor.)
- Bristol, Wm. H., Talking Picture Corporation. (See Pinkler, Arthur P., assignor.)
- Bristol, Wm. H., Talking Picture Corporation. (See Thompson, Lincoln, assignor.)
- Bristow, Francis G. W., Auburn, near Sydney, Australia. Sheep-shearing-machine comb. 1,746,989; Feb. 11.
- Britesun, Incorporated. (See Bergander, Charley W., assignor.)
- British-American Tobacco Company Limited. (See Van Sickels, John H., assignor.)
- British Dyestuffs Corporation. (See Mendoza, Mordecai, assignor.)
- British Dyestuffs Corporation. (See Saunders, Kenneth H., assignor.)
- British Dyestuffs Corporation. (See Wyler, Max, assignor.)
- British Dyestuffs Corporation Limited. (See Baddiley, J., Brightman, and Chorley, assignors.)
- British Dyestuffs Corporation Limited. (See Baddiley, J., and Chapman, assignors.)
- British Dyestuffs Corporation Limited. (See Baddiley, J., Chorley, and Brightman, assignors.)
- British Dyestuffs Corporation Limited. (See Baddiley, James, assignor.)
- British Dyestuffs Corporation Limited. (See Cronshaw, C. J. T., and Naunton, assignors.)
- British Dyestuffs Corporation Limited. (See Hailwood, Anthony J., assignor.)
- British Dyestuffs Corporation Limited. (See Hollins, C., and Chapman, assignors.)
- British Dyestuffs Corporation Limited. (See Horsfall, R. S. Lawrie, and Henderson, assignors.)
- British Dyestuffs Corporation Limited. (See Lawrie, L. G., Lynch, and Rodd, assignors.)
- British Dyestuffs Corporation Limited. (See Lynch, F. W., and Rodd, assignors.)
- British Dyestuffs Corporation Limited. (See Mendoza, M., and Saunders, assignors.)
- British Dyestuffs Corporation Limited. (See Payman, J. B., and Piggott, assignors.)
- British Dyestuffs Corporation Limited. (See Rodd, E. H., and Lynch, assignors.)
- British Dyestuffs Corporation Limited. (See Saunders, Kenneth H., assignor.)
- British Dyestuffs Corporation Limited. (See Shepherdson, A., and Hailwood, assignors.)
- British Dyestuffs Corporation Limited. (See Shepherdson, A., and Tatum, assignors.)
- British Dyestuffs Corporation Limited. (See Shepherdson, A., Tatum, and Bunbury, assignors.)
- British Dyestuffs Corporation Limited. (See Shepherdson, A., and Thornley, assignors.)
- British Dyestuffs Corporation Limited. (See Strafford, N., and Walker, assignors.)
- British Dyestuffs Corporation Limited. (See Tatum, William W., assignor.)
- British Jeffrey Diamond Limited. (See Lithgoe, John, assignor.)
- British Metallic Packings Company (1929) Limited. (See Jones, George F., assignor.)
- British Petroleum Company. (See Fraser, John, assignor.)
- British Synthetics Limited. (See Higgins, Eric B., assignor.)
- Britt, Benjamin H., assignor to International Motor Company, New York, N. Y. Cooling system. 1,754,257; Apr. 15.
- Brittain, George E., Lynn, assignor to L. H. Harriman, Haverhill, Mass., as trustee. Shoe counter. 1,742,895; Jan. 7.
- Brittain, Harold A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Humidity-control apparatus. 1,757,931; May 6.
- Brittain, Richard J., jr. (See Benica, C. W., and Brittain.)
- Brittain, Richard J., jr., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal-box and car-frame support. 1,745,319; Jan. 28.
- Brittain, Richard J., jr., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal-box and side-frame support. 1,745,320; Jan. 28.
- Brittain, Richard J., jr., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal-box and car-frame support. 1,745,321; Jan. 28.
- Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal-box and car-frame support. 1,745,322; Jan. 28.
- Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box and frame connection. 1,781,213; Nov. 11.
- Brittain, Richard J., jr., Newark, and W. H. Chapman, Montclair, N. J., assignors to General Motors Corporation, Detroit, Mich. Headstock and gauge support. 1,762,810; June 10.

- Brittain, Richard J., jr., and P. H. Hutchinson, East Orange, N. J., assignors to General Motors Corporation, Detroit, Mich. Bearing mounting. 1,767,429; June 24.
- Britten, E. F., jr., et al. (See Bricken, John, assignor.)
- Britten, Edwin F., jr., Maplewood, assignor, by mesne assignments, to Monroe Calculating Machine Company, Orange, N. J. Zero-key mechanism for key-set registers. 1,750,565; Mar. 11.
- Brittingham, Elisha F., Los Angeles, Calif., assignor to Sargent & Company, New Haven, Conn. Lock strike. 1,762,326; June 10.
- Brittingham, Vertner D., assignor of one-half to J. O. Naylor, San Antonio, Tex. Arithmetical top and dice game. 1,750,620; Mar. 18.
- Britton, Edgar C. (See Williams, W. H., and Britton.)
- Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Purifying phenyl-ethyl alcohol. 1,752,365; Apr. 1.
- Britton, Edgar C., and W. R. Reed, assignors to The Dow Chemical Company, Midland, Mich. Making halogenated aromatic hydrocarbon derivatives. 1,784,267; Dec. 9.
- Britton, Edgar C., and W. H. Williams, assignors to The Dow Chemical Company, Midland, Mich. Insecticide. 1,748,633; Feb. 25.
- Britton, T. J. (See Lambing, William C., assignor.)
- Britz, Maurice. (See Mueller, Augusto E., assignor.)
- Broad, William. (See Carson, P. A., and Broad.)
- Broad, William, Beaver Falls, assignor of three-fourths to H. E. McLain, Pittsburgh, Pa. Vibrator. 1,744,611; Jan. 21.
- Broad, William, Beaver Falls, assignor of three-fourths to H. E. McLain, Pittsburgh, Pa. Insulating device. 1,755,587; Apr. 22.
- Broadfoot, Hollis L., Florence, Ala. Commode seat. 1,777,194; Sept. 30.
- Broadfoot, James D., Chatham, Ontario, Canada, assignor, by mesne assignments, to Eclipse Electric Company. Electrical device for recharging batteries. 1,743,593; Jan. 14.
- Broadfoot, James D., Chatham, Ontario, Canada, assignor, by mesne assignments, to Eclipse Electric Company. Recharging batteries. 1,743,594; Jan. 14.
- Broadhead, Everett D., Dallas, Tex., assignor to Ideal Ice Vending Machine Company. Ice-dispensing apparatus. 1,744,024; Jan. 14.
- Broadhurst, Frank S., Watertown, Mass. Automotive control system. 1,750,159; Mar. 11.
- Broadhurst, Jean, assignor of one-half to S. J. Stanley, New York, N. Y. Making stoppers. 1,763,129; June 10.
- Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Conveyer and guide. 1,771,555; July 29.
- Broadmeyer, Albert, assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa. Sheet-feeding apparatus. 1,744,864; Jan. 28.
- Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet feeder. 1,766,482; June 24.
- Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Suction mechanism for sheet feeders. 1,774,315; Aug. 26.
- Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Interleaver. 1,779,800; Oct. 28.
- Broadwell, Halvor S., and S. T. Thorpe, assignors to The Horton Manufacturing Company, Bristol, Conn. Fishing reel. 1,783,494; Dec. 2.
- Broadwell, William C., Brooklyn, N. Y. Vehicle cushioning and shock-absorbing device. 1,754,258; Apr. 15.
- Broadwood, John, & Sons Limited. (See Collen, Robert H., assignor.)
- Broberg, Charles E., Copenhagen, Denmark. Adjustable handlebar for bicycles, motor bicycles, and the like vehicles. 1,756,339; Apr. 29.
- Broberg, Elmer, assignor to Elco Tool and Screw Corporation, Rockford, Ill. Shade-roller bracket. 1,782,131; Nov. 18.
- Broberg, Elmer, assignor to Elco Tool & Screw Corporation, Rockford, Ill. Shade-roller bracket. 1,782,132; Nov. 18.
- Broch, Edward. (See Block, David J., assignor.)
- Brock, Frederick C., and I. L. Smith, Cleveland, Ohio. Covering for seats or backs thereof. 1,771,872; July 29.
- Brochet, Fernand, Fontenay-Tresigny, France. Apparatus for freeing potatoes from germs. 1,765,902; June 24.
- Brock, Frank P., Hinsdale, Ill., assignor to Bakelite Corporation, New York, N. Y. Molding mixture. 1,747,574; Feb. 18.
- Brock, Heinrich, Cologne, Germany, assignor to Det Norske Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Electrode holder. 1,760,395; May 27.
- Brock, Norman L., West Bridgewater, Mass. Cutting die for preparing and ornamenting shoe-upper members. 1,772,335; Aug. 5.
- Brock & Weymouth, Incorporated. (See Holst, Lodewyk J. R., assignor.)
- Brockett, Bluford W., Cleveland Heights, assignor of one-half to The American Laundry Machinery Company, Norwood, Ohio, and one-half to United States Hoffman Machinery Corporation, New York, N. Y. Pressing machine. 1,744,441; Jan. 21.
- Brockett, Bluford W., Cleveland Heights, assignor The American Laundry Machinery Company, Norwood, Ohio. Garment-pressing machine. 1,753,877; Apr. 8.
- Brockman, James R. (See Slisz, John, assignor.)
- Brockman, Robert H., St. Petersburg, Fla. Electric mat switch. 1,776,992; Sept. 30.
- Brockmann, Henry F. W., assignor of one-half to H. C. Scott, San Francisco, Calif. Agitator. 1,784,416; Dec. 9.
- Brockway, Carl P., Paterson, N. J., assignor to Industrial Research Corporation, Toledo, Ohio. Vacuum sweeper. 1,766,424; June 24.
- Brockway, Carl P., Paterson, N. J., assignor to Industrial Research Corporation, Toledo, Ohio. High-pressure engine. 1,767,506; June 24.
- Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Vacuum sweeper. 1,766,425; June 24.
- Brockway, Carl P., assignor, by mesne assignments, to The Tillotson Manufacturing Company, Toledo, Ohio. Air cleaner. 1,774,588; Sept. 2.
- Brockway, Carl P., assignor to The Tillotson Manufacturing Company, Toledo, Ohio. Intake manifold. 1,774,632; Sept. 2.
- Brockway, Carl P., Paterson, N. J., and D. D. Myers, assignors to Industrial Research Corporation, Toledo, Ohio. Sleeve-valve gas engine. 1,764,386; June 17.
- Brockway, John P., Coronado, Calif. Reproducing images on rubber surfaces. 1,761,424; June 3.
- Brockway, Scott A., Lincoln, Nebr. Rocking-horse. 1,761,253; June 3.
- Brodbeck, Almer H. (See Stockstrom, A., and Brodbeck.)
- Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Gas range. 1,742,897; Jan. 7.
- Brodbeck, Arthur G., and H. W. Armading, South Wales, N. Y. Vehicle direction indicator. 1,779,030; Oct. 21.
- Brodé, Julien L., Memphis, Tenn. Signal-switch apparatus. 1,744,067; Jan. 21.
- Broder, Reuben, New York, N. Y. Automobile handgrip. 1,783,954; Dec. 9.
- Broderick, Ernest N., and T. D. Lucier, Detroit, Mich. Method of and mold for casting piston rings. 1,781,098; Nov. 11.
- Broderick, Frank W. (See Gollnick, P. A., and Broderick.)
- Broderick, Martin T., Minneapolis, Minn. Convertible long and short shopping bag. 1,767,274; June 24.
- Brodersen, Karl. (See Marx, K., Behncke, and Brodersen.)
- Brodersen, Karl, and W. Ext, Dessau in Anhalt, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Fungicide. 1,752,293; Apr. 1.
- Brodie, George H. (See Howard, R. S., Brodie, and Westhafer.)
- Brodie, Ralph N., Company. (See Granberg, Albert J., assignor.)
- Brodin, Arvid, Los Angeles, Calif. Water heater. 1,749,969; Mar. 11.
- Brody, Maurice D., assignor to Kalman Steel Company, Inc., Chicago, Ill. Production of expanded load-bearing members. 1,746,520; Feb. 11.
- Broecker, Louis C. (See Rand, J. H., Jr., and Broecker.)
- Broeg, William E., Chicago, Ill. Dough-working device. 1,746,521; Feb. 11.
- Broeker, Friedrich, Furstenwalde, Germany. Steam-drying or water-separating apparatus for steam power plants. 1,781,568; Nov. 11.
- Broeman, Frank C., assignor to A. Silbersack, Cincinnati, Ohio. Cleaning powder. 1,782,805; Nov. 25.
- Broeman, Frank C., Cincinnati, Ohio, assignor to National Products-Supply Company, Ashland, Ky. Cooling compound and lubricant and manufacturing same. 1,784,220; Dec. 9.
- Broer, William H., Yankton, S. Dak. Electrical connector. 1,786,598; Dec. 30.
- Broeske, Paul R., North Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,774,589; Sept. 2.
- Brogan, James A., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Living-trimming machine. 1,760,112; May 27.
- Brogan, James J., Hightstown, N. J. Tube frame for weaving. 1,754,498; Apr. 15.
- Brogden, Ernest M., Pomona, assignor to Brogdex Company, Los Angeles, Calif. Apparatus for treating fruit and the like. 1,786,405; Dec. 23.
- Brogden, Joah, Melrose Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Work table. Re17,901; Dec. 16.
- Brogden, Joah, Melrose Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Hinge. 1,758,905; May 13.
- Brogden, Joah, Melrose Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Window. 1,768,740; July 1.
- Brogden, Joah, Melrose Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Shelving. 1,768,741; July 1.
- Brogden, Joah, Melrose Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Constructing metallic partitioning. 1,768,742; July 1.
- Brogdex Company. (See Brogden, Ernest M., assignor.)
- Brogdex Company. (See Lusk, Robert, assignor.)
- Broge, William F., Detroit, Mich., assignor of one-third to J. Frame. Carburetor. 1,783,217; Dec. 2.

- Brogger, Ivar W., Springfield, assignor to Tiffany Manufacturing Company, Newark, N. J. Electrical indicating instrument. 1,784,417; Dec. 9.
- Brohman, Alexander W., San Francisco, Calif. Vehicle construction. 1,763,088; June 10.
- Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. High-pressure drum and making it. 1,743,877; Jan. 14.
- Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Power plant. 1,760,471; May 27.
- Brokate, Clarence W. (See Heise, G. W., and Brokate.)
- Brokaw, Andrew I. (See Noelting, W. H., and Brokaw.)
- Broman, Charles E., Grand Rapids, Mich., assignor, by mesne assignments, to Add-Index Corporation. Adding and recording machine. 1,749,694; Mar. 4.
- Brombacher, Julius, Santa Monica, Calif. Water heater. 1,771,742; July 29.
- Bromig, Karl, assignor to Deutsche Gold & Silber Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Production of glutaminic acid. 1,755,683; Apr. 22.
- Bromiley, Irving, New Rochelle, N. Y., assignor to Cliquot Club Company, Millis, Mass. Bottle. Des. 81,520; July 8.
- Bromley, John, Closter, N. J. Baseball glove. 1,768,743; July 1.
- Bromley, John, & Sons, Incorporated. (See Dicken, George M., assignor.)
- Bromley, John, & Sons, Incorporated. (See Man, Edward M., assignor.)
- Bromley, John, & Sons, Incorporated. (See Worrall, John H., assignor.)
- Bromley, William J., assignor to Washington Mold, Machine & Foundry Co., Washington, Pa. Fishing tool. 1,744,722; Jan. 28.
- Bromm, William F., Chicago, Ill. Making stone-planer tools. 1,758,780; May 13.
- Bromwell Wire Goods Company, The. (See Melish, Thomas G., assignor.)
- Bronander, Wilhelm B. (See Nordquist, H. G., and Bronander.)
- Bronander, Wilhelm B., Newark, N. J. Carburetor. 1,746,302; Feb. 11.
- Bronander, Wilhelm B., Montclair, N. J. Roller bearing and mounting therefor. 1,752,777; Apr. 1.
- Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher. 1,769,618; July 1.
- Bronander, Wilhelm B., Montclair, N. J. Fire-extinguisher support. 1,769,619; July 1.
- Bronander, Wilhelm B., Montclair, N. J. Method of and apparatus for finishing cloth. 1,773,167; Aug. 19.
- Bronander, Wilhelm B., Montclair, N. J., assignor to Standard Tobacco Stemmer Company. Scraper blade and hardening the same. 1,760,630; May 27.
- Bronander, Wilhelm B., Montclair, N. J., assignor to International Cigar Machinery Company. Volumetric measuring device for cigar machines. 1,765,821; June 24.
- Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Variable-speed drive for cigarette machines and the like. 1,765,822; June 24.
- Bronander, Wilhelm B., Montclair, N. J., and G. E. Hagquist, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Hopper for cigarette-packaging machines. 1,765,820; June 24.
- Bronander, William B., Montclair, N. J. Fire-extinguisher support. 1,751,618; Mar. 25.
- Bronk, Charles W., Binghamton, N. Y. Screw holder and driver. 1,755,588; Apr. 22.
- Bronk, Charles W., Binghamton, N. Y. Attachment for screw drivers. 1,764,504; June 17.
- Bronn, Jeger I., Berlin-Charlottenburg, and G. Fischer, Oberhausen, Germany. Separation of constituents of coke-oven gases and the like. 1,774,633; Sept. 2.
- Brons, Jan, Appingedam, assignor to Naamlooze Vennootschap Kromhout Motoren Fabriek D. Goedkoop jr., Amsterdam, and Johan H. de Iongh, Hilligersberg, near Rotterdam, Netherlands. Engine provided with a piston and a connecting rod. 1,755,347; Apr. 22.
- Brons, Jan, assignor to Naamlooze Vennootschap Appingedammer Bronsmotorenfabriek, Appingedam, Netherlands. Multicylinder combustion motor. 1,759,776; May 20.
- Bronson, Adelbert E., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Method of and apparatus for applying rubber washers to valves or the like. 1,776,017; Sept. 16.
- Bronson, Adelbert E., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Hand grip and air connector. 1,784,817; Dec. 16.
- Bronson, Albert E., and A. M. Braden, Gibbs, Idaho, assignors to Union Iron Works, Spokane, Wash. Unstacking machine. 1,785,374; Dec. 16.
- Bronson, Budd, Lakewood, assignor to The Ohio Rubber Company, Cleveland, Ohio. Vulcanizing press. 1,784,780; Dec. 9.
- Bronson, Budd, Lakewood, assignor to The Ohio Rubber Company, Cleveland, Ohio. Composite steel and rubber article. 1,784,781; Dec. 9.
- Bronson, Budd, Lakewood, assignor to The Ohio Rubber Company, Cleveland, Ohio. Composite running board. 1,784,782; Dec. 9.
- Bronson, Carlos E., Kewanee, and J. F. Dickson, Galva, assignors to Kewanee Boiler Corporation, Kewanee, Ill. Corrugating metal boiler sheets. 1,771,028; July 22.
- Bronson, Edmond B. (See Curtis, B. J., and Bronson.)
- Bronson, Ek G., Detroit, Mich., and J. W. Russell, East Orange, N. J., assignors to Automatic Coffee Creamer incorporation, Detroit, Mich. Method and apparatus for dispensing liquids. 1,782,678; Nov. 25.
- Bronson, Fred L., Los Angeles, Calif. Well-boring bit. 1,764,432; June 17.
- Bronson, Minnie E., executrix. (See Curtis, B. J., and Bronson.)
- Bronson Reel Company. (See Schafer, John V., assignor.)
- Bronze Grave Marker Co. (See Hager, Frank C., assignor.)
- Brooke, Edward B., Birmingham, Ala. Jarring machine. 1,785,998; Dec. 23.
- Brookby, Harry E., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Plaster wall board and making same. 1,750,621; Mar. 18.
- Brookby, Harry E., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Fibrous wall board. 1,754,413; Apr. 15.
- Brookby, Harry E., Evanston, assignor to The United States Gypsum Co., Chicago, Ill. Chemical printing. 1,763,291; June 10.
- Brookby, Harry E., and G. D. King, assignors to United States Gypsum Company, Chicago, Ill. Cellular structural material. 1,764,824; June 17.
- Brooke, E. and G., Iron Company. (See Coburn, Frederick W., assignor.)
- Brooke, George A., jr., Germantown, Pa. Volume-flow regulator. 1,758,926; May 20.
- Brooke, Herbert, Brighton, England. Liquid electric controller. 1,784,332; Dec. 9.
- Brooke, Homer, deceased, Mount Vernon, N. Y., M. I. I. Brooke, executrix. Apparatus for serving glass. 1,776,538; Sept. 23.
- Brooke-Hunt, Godfrey L., and L. Rowland, Leicester, England. Shock absorber, resilient suspension means, and the like. 1,772,414; Aug. 5.
- Brooke, Mary I. I., executrix. (See Brooke, Homer.)
- Brooker, William H., Bismark, N. Dak. Hat ventilator. 1,758,142; May 13.
- Brookes, Joseph, Sparrows Point, Md., assignor to Bethlehem Steel Company. Skewback block. 1,760,296; May 27.
- Brooks Bank Note Company. (See Lambert, Russell A., assignor.)
- Brooks, Benjamin T., Sound Beach, Conn., assignor to The Gray Process Corporation, Newark, N. J. Producing stable hydrocarbon oils. 1,748,507; Feb. 25.
- Brooks, C. E. (See Casey, W. F. J., Cavin, and Brooks.)
- Brooks Cabinet Company et al. (See Manning, Roy A., assignor.)
- Brooks, Charles A., Swissvale, and L. C. Ritterbush, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-train-indicating apparatus. 1,770,897; July 22.
- Brooks, Charles P., jr., and S. Kovner, assignors to Standard Modern Printing Co., Inc., Brockton, Mass. Method of and apparatus for finishing the bottoms of boots and shoes. 1,783,401; Dec. 2.
- Brooks, Claud J., and R. M. Brooks, Oklahoma City, Okla. Brush attachment. 1,759,091; May 20.
- Brooks, Frank M. (See Haase, L. G., and Brooks.)
- Brooks, Herbert L., Birmingham, England. Tea or coffee pot. 1,777,909; Oct. 7.
- Brooks, John A., Detroit, Mich. Cushion head for spraying devices. 1,770,764; July 15.
- Brooks, John C., Paterson, N. J., Shedding mechanism for looms. 1,776,102; Sept. 16.
- Brooks, John C., Paterson, N. J., assignor to Draper Corporation, Hopedale, Mass. Loom. 1,750,385; Mar. 11.
- Brooks, John W. (See Russell, M. N., and Brooks.)
- Brooks, Lewis C., assignor to National Paper Can Company, Milwaukee, Wis. Fibrous container. 1,758,917; May 20.
- Brooks, Ralph O., New York, N. Y. Garment accessory. 1,762,502; June 10.
- Brooks, Robert A., Chicago, Ill. Flushing apparatus for water-closets. 1,768,562; July 1.
- Brooks, Robert A., Chicago, Ill. Water-supply regulator. 1,770,909; July 22.
- Brooks, Ross M. (See Brooks, Claud J., and R. M.)
- Brooks Steam Motors, Limited. (See Clarkson, Alick, assignor.)
- Brooks, Thomas E. (See Olson, C. A., Buch, and Brooks.)
- Brooks, Thomas R. (See Patocka, Theodore, assignor.)
- Brooks, William H., assignor to Carnation Company, Oconomowoc, Wis. Stamping machine. 1,759,973; May 27.
- Brooks, William H., Oconomowoc, Wis., and W. Page, New York, N. Y. Apparatus for agitating the contents of storage vessels. 1,780,333; Nov. 4.
- Brooks, William V., Des Moines, Iowa. Plant support. 1,781,316; Nov. 11.
- Brooks, Winfred M., West Orange, N. J. Sealing means. 1,772,983; Aug. 12.
- Brophy, John P., assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Automatic machine. 1,779,529; Oct. 28.

- Brophy, Lawrence W., Muskogee, Okla. Lavatory. 1,780,968; Nov. 11.
- Brosnan, John J., Worcester, Mass. Portable boring machine. 1,760,189; May 27.
- Brost, Charles A., assignor to one-fourth to F. Miller and one-fourth to T. Digman, Glasgow, Mont. Wheel-flange lubricator. 1,756,726; Apr. 29.
- Brost, Henry, Medford, Wis. Brake adjuster. 1,783,902; Dec. 2.
- Brostrom, Ernest O., Kansas City, Mo. Cement or concrete construction. 1,773,168; Aug. 19.
- Brostrom, Ernest O., Kansas City, Mo. Concrete building construction. 1,775,234; Sept. 9.
- Brot, Charles, Paris, France. Illuminated mirror and support therefor. 1,743,595; Jan. 14.
- Brotz, Frank G. (See Kohler, H. V., Brotz, and Thor-kelson.)
- Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Bath with integral waste. 1,745,002; Jan. 28.
- Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Combination waste connection. 1,745,003; Jan. 28.
- Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Upper basket for dishwashers. 1,756,810; Apr. 29.
- Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Dishwasher. 1,771,524; July 29.
- Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Pop-up waste. 1,783,460; Dec. 2.
- Brougner, Alvin H., Markleton, Pa. Scissors sharpener. 1,750,504; Mar. 11.
- Broughton, Arthur E., Minneapolis, Minn. Condensate removal device for high-speed paper driers. 1,764,713; June 17.
- Broughton, Arthur E., Minneapolis, Minn. Eliminating wet streaks in paper. 1,764,777; June 17.
- Broughton, John B., Wichita Falls, Tex. Terminal tool. 1,773,945; Aug. 26.
- Broughton, William H., London, assignor to C. Gold, Essex, Stansted, England. Advertising sign. 1,743,110; Jan. 14.
- Brouillard, Julian C., Bemidji, Minn. Rail tie. 1,765,126; June 17.
- Brouse, Davenport, Toronto, Ontario, assignor, by mesne assignments, to Service Station Equipment Company, Limited, Toronto, Canada. Gasoline-dispensing apparatus. 1,771,993; Aug. 5.
- Broussard, Adelin H., and L. K. Thibodeaux, New Orleans, La. Rail joint. 1,765,650; June 24.
- Brousseau, Fred, Wyandotte, Mich. Toilet seat. 1,774,868; Sept. 2.
- Brouthy, Lylal C., Watertown, N. Y. Electric fire alarm. 1,772,127; Aug. 5.
- Browall, Bert H., assignor to Svenska Aktiebolaget Broms-regulator, Malmo, Sweden. Brake rigging for railway cars and the like. 1,750,566; Mar. 11.
- Brower, William M., Palo Alto, assignor to Federal Tele-graph Company, San Francisco, Calif. Electrical control apparatus. 1,756,727; Apr. 29.
- Brower, William M., Palo Alto, assignor to Federal Tele-graph Company, San Francisco, Calif. Radio compass compensator. 1,767,117; June 24.
- Brower, William M., Palo Alto, assignor to Federal Tele-graph Company, San Francisco, Calif. Radiotransmitting apparatus. 1,780,167; Nov. 4.
- Brown, A. G., Boveri & Cie. (See Gaudenzi, Arthur, as-signor.)
- Brown, A. G., Boveri & Cie. (See Kopeliowitsch, J., and Stoocklin, assignors.)
- Brown, Agnes, et al. (See Weigant, Casper, assignor.)
- Brown, Alexander P., Long Island City, N. Y., assignor to Queens Typewriter & Stationery Corp. Fastener for typewriters. 1,758,646; May 13.
- Brown, Alexander T., Syracuse, N. Y. Agricultural ma-chine. 1,745,832; Feb. 4.
- Brown, Alexander T., Syracuse, N. Y. Motor agricultural machine. 1,755,767; Apr. 22.
- Brown, Alfred. (See Peabody, J. C., and Brown.)
- Brown, Alvis F., Whittier, assignor to Baash-Ross Tool Company, Incorporated, Los Angeles, Calif. Well tool. 1,751,789; Mar. 25.
- Brown, Alvis F., Whittier, assignor to Baash-Ross Tool Company, Incorporated, Los Angeles, Calif. Jar-down spear. 1,751,790; Mar. 25.
- Brown, Arnold L., assignor to The Buckeye Aluminum Com-pany, Wooster, Ohio. Polishing machine. 1,776,143; Sept. 16.
- Brown, Arthur. (See Mathewson, M. L., and Brown.)
- Brown, Arthur, Lake City, Iowa. Workholding device. 1,764,242; June 17.
- Brown, Arthur, Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company. Tensioning device for driving belts. 1,744,746; Jan. 28.
- Brown, Arthur E., Philadelphia, Pa., assignor to Brown & Bailey Company. Foldable box. 1,767,733; June 24.
- Brown, Arthur E., Philadelphia, Pa., assignor to Brown & Bailey Company. Foldable box. 1,767,734; June 24.
- Brown, Arthur J. (See Ezdorf, R. R., and Brown.)
- Brown, Arthur J. (See Keys, W. C., and Brown.)
- Brown, Arthur J., New York, N. Y., and R. R. Ezdorf, Washington, D. C. Dusting and spraying machine. 1,785,932; Dec. 23.
- Brown, Arthur J., New York, N. Y., and R. R. Ezdorf, Washington, D. C. Dusting machine. 1,785,933; Dec. 23.
- Brown & Bailey Company. (See Brown, Arthur E., as-signor.)
- Brown & Bailey Company. (See Heim, Jacob C., as-signor.)
- Brown & Bailey Company. (See Keppler, Albert E., as-signor.)
- Brown, Bank D., assignor to Capstan Glass Company, Con-nellsville, Pa. Device for replacing checker bricks. 1,767,832; June 24.
- Brown, Bert L., Long Beach, Calif. Drainpipe cleaner. 1,762,608; June 10.
- Brown & Bigelow. (See Flischer, Howard L., assignor.)
- Brown & Bigelow. (See Kristofek, Frank J., assignor.)
- Brown & Bigelow. (See Mick, Walter K.)
- Brown, Bruce K., assignor to Commercial Solvents Cor-poration, Terra Haute, Ind. Production of ketones. 1,757,830; May 6.
- Brown, Carl A., and A. C. Nielsen, East Cleveland, Ohio, assignor to General Electric Company. Machine for cut-ting glass cane or tubes. 1,754,143; Apr. 8.
- Brown, Carl D., assignor to Draper Corporation, Hope-dale, Mass. Warp stop mechanism for looms. 1,751,804; Mar. 18.
- Brown, Carl D., assignor to Draper Corporation, Hope-dale, Mass. Warp stop mechanism for looms. 1,755,097; Apr. 15.
- Brown, Carl D., assignor to Draper Corporation, Hope-dale, Mass. Warper. 1,757,409; May 6.
- Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Beam lock for looms. 1,765,322; June 17.
- Brown, Carl D., assignor to Draper Corporation, Hope-dale, Mass. Automatically-threading loom shuttle. 1,785,218; Dec. 16.
- Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,785,219; Dec. 16.
- Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,785,220; Dec. 16.
- Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,785,221; Dec. 16.
- Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,785,222; Dec. 16.
- Brown, Charles A., Lorain, Ohio. Fluid controller. 1,786,894; Dec. 30.
- Brown, Charles A., Salem, and G. J. Esselen, jr., Swamp-scott, assignors to Manufacturing Improvement Cor-poration, Boston, Mass. Treating wool and the wool thus treated. 1,749,410; Mar. 4.
- Brown, Charles H., Breckenridge, Tex. Rod guide. 1,749,626; Mar. 4.
- Brown, Charles H., and P. Frazier, Breckenridge, Tex., said Frazier assignor to said Brown. Terracing and grading machine. 1,774,469; Aug. 26.
- Brown, Charles J., Donora, Pa. Furnace gas burner. 1,754,603; Apr. 15.
- Brown, Charles S., deceased, Nashville, Tenn.; C. H. Simp-son, executor, assignor to C. H. Simpson, D. E. McGugin, and C. C. Trabue, trustees. Flow-controlling device. 1,742,846; Jan. 7.
- Brown, Charles S., and R. H. Tontrup, jr., St. Louis, Mo. Sterilizable surgical-liquid dispenser. 1,754,259; Apr. 15.
- Brown, Charles W., San Diego, Calif. Closet-flushing de-vice. 1,730,810; Nov. 4.
- Brown, Chauncey L., Northfield, Minn. Snow fence. 1,768,974; July 1.
- Brown, Chester B., Morrill, Nebr. Harvester. 1,757,897; May 6.
- Brown, Clarence V., assignor to U. S. Pressed Steel Com-pany, Ypsilanti, Mich. Disk wheel. 1,773,569; Aug. 19.
- Brown, Claude E., Santa Ana, Calif. Saw holder. 1,772,-701; Aug. 12.
- Brown, Clifford S., Jersey City, N. J. Book and storage stack. 1,755,589; Apr. 22.
- Brown, Colonel H., Wellston, Ohio. Intermittent gearing. 1,751,791; Mar. 25.
- Brown Company. (See Burke, Edmund, assignor.)
- Brown Company. (See Cox, John T., assignor.)
- Brown Company. (See Daw, Joseph, assignor.)
- Brown Company. (See Hill, Roger B., assignor.)
- Brown Company. (See Ives, Charles Q., assignor.)
- Brown Company. (See Lovering, E. W., and Van Arsdell, assignors.)
- Brown Company. (See Parker, Howard, assignor.)
- Brown Company. (See Richter, G. A., and Schur, as-signors.)
- Brown Company. (See Richter, G. A., Schur, and Rasch, assignors.)
- Brown Company. (See Richter, George A., assignor.)
- Brown Company. (See Root, Bertwell C., assignor.)
- Brown Company. (See Schur, Milton O., assignor.)
- Brown Company. (See Schur, M. O., and Rasch, as-signor.)
- Brown Company. (See Sherman, John C., assignor.)
- Brown Company. (See Van Arsdell, Wallace B., as-signor.)
- Brown Company. (See Vogel, Fred W., assignor.)
- Brown Company. (See Webber, Robert A., assignor.)
- Brown, Daniel C., West Pittston, Pa. Bearing box. 1,773,661; Aug. 19.
- Brown, Derrick C. (See Lelean, W. A., and Brown.)
- Minn. Violin. 1,786,891; Dec. 30.

- Brown, Donald D., Valley Stream, N. Y. Package. 1,750,258; Mar. 11.
- Brown, Douglas R., assignor to The Oil Country Specialties Mfg. Co., Coffeyville, Kans. Sand-reel-driving mechanism. 1,744,442; Jan. 21.
- Brown, Edward C. (See Rindge, Fulton, assignor.)
- Brown, Edward L., New York, N. Y. Portable electric light. Des. 82,133; Sept. 30.
- Brown, Edwin C., Kennett Square, and W. E. Hale, Fort Washington, assignors to American Road Machinery Company, Kennett Square, Pa. Relief, by-pass, and check valve. 1,742,340; Jan. 7.
- Brown, Edwin M., Jackson, Mich. Sugar dispenser. 1,763,551; June 10.
- Brown, Ellis E., Reading, Pa. Flexible coupling. 1,769,107; July 1.
- Brown, Elmer B., C. N. Frey, and H. H. Harkins, New York, N. Y., assignors, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Food product. 1,755,864; Apr. 22.
- Brown, E. M. (See Cary, Ralph L., assignor.)
- Brown, Eric, Baden, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Turbine-heating system. 1,768,975; July 1.
- Brown, Eric, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Compressed-fluid machine. 1,746,990; Feb. 11.
- Brown, Frances R., assignor to I. B. Kleinert Rubber Company, New York, N. Y. Hot-water bottle or article of similar nature. Des. 81,371; June 17.
- Brown, Frances R., assignor to I. B. Kleinert Rubber Company, New York, N. Y. Hot-water bottle or article of similar nature. Des. 81,372; June 17.
- Brown, Francis H., Ridley Park, Pa. Flow metering. 1,768,563; July 1.
- Brown, Frank E., assignor to Harnischfeger Corporation, Milwaukee, Wis. Hoist-line fair lead. 1,767,735; June 24.
- Brown, Frank G., Detroit, Mich. Pump. 1,752,366; Apr. 1.
- Brown, Friedman, Chestnut Hill, Pa. Card game. 1,779,584; Oct. 28.
- Brown, George, New York, N. Y., assignor to Craig and Brown Inc. Corrugated structure. 1,758,311; May 13.
- Brown, George, Oneota, and A. B. Appler, Albany, N. Y. Crank pin and collar. 1,783,825; Dec. 2.
- Brown, George A., Gorham, Me. Shirt and collar combination. 1,778,582; Oct. 14.
- Brown, George A., assignor to Bennett, Incorporated, Salem, Mass. Making waterproof paper. 1,753,690; Apr. 8.
- Brown, George H. (See McFalls, F. M., and Brown.)
- Brown, George N., Pittsburgh, Pa., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Subway transformer. 1,768,522; June 24.
- Brown, George R., Croydon, near Sydney, New South Wales, Australia. Apparatus for electric-current distribution. 1,742,896; Jan. 7.
- Brown, George R., Croydon, near Sydney, Australia. Bracket coupling for apparatus for electric-lighting systems. 1,751,262; Mar. 18.
- Brown, George R., Bridgeport, Conn., assignor to General Electric Company. Fuse plug. 1,751,439; Mar. 18.
- Brown, George R., Bridgeport, Conn., assignor to General Electric Company. Thermal cut-out and guard. 1,782,459; Nov. 25.
- Brown, George S., Harriman, Tenn. Cistern agitator and purifier. 1,764,545; June 17.
- Brown, Gra C., and G. F. McNulty, assignors to The Reynolds Machine Company, Massillon, Ohio. Screw-driving machine. 1,757,614; May 6.
- Brown, Gregory, assignor to Bridgeport Brass Company, Bridgeport, Conn. Cluster stem. 1,756,675; Apr. 29.
- Brown & Haley. (See Seeley, William H., assignor.)
- Brown, Harold M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Fabric-cutting machine. 1,743,059; Jan. 7.
- Brown, Harold M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-lining apparatus. 1,763,611; June 10.
- Brown, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electroresponsive device. 1,748,862; Feb. 25.
- Brown, Harry C., et al. (See Brown, Jacob S., assignor.)
- Brown, Harry E., Wichita, Kans., assignor to A. H. Neilson, Tulsa, Okla. Grab for drill rods and the like. 1,780,699; Nov. 4.
- Brown, Harvey W. (See Hilton, Ralph W., assignor.)
- Brown, Haughton, assignor of one-half to J. A. Barloga, Rockford, Ill. Plaster board. 1,777,872; Oct. 7.
- Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. Des. 81,226; May 27.
- Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. Des. 81,622; July 22.
- Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. Des. 81,623; July 22.
- Brown, Henry A., Cleveland, Ohio. Contactor hanger. 1,743,423; Jan. 14.
- Brown, Henry P., and P. F. Truscinski, South St. Paul.
- Brown, Herbert C. (See Capell, Carl F., assignor.)
- Brown, Herbert D., Schenectady, N. Y., assignor to General Electric Company. System of distribution. 1,760,580; May 27.
- Brown, Herbert D., Schenectady, N. Y., assignor to General Electric Company. High-power factor circuit for use with compounding. 1,776,722; Sept. 23.
- Brown, Herbert E., assignor of one-half to M. H. Mandelbaum, Chicago, Ill. Automobile reverse guard. 1,781,156; Nov. 11.
- Brown, Herbert J., Georgetown, N. Y. Check damper. 1,775,065; Sept. 2.
- Brown, Hugh C., Asheville, N. C. Coffee table. Des. 82,658; Dec. 2.
- Brown, Hugh S., Harvey, Ill. Tamping apparatus. 1,778,547; Oct. 14.
- Brown Instrument Company, The. (See Bean, R. D., and Side, assignors.)
- Brown Instrument Company, The. (See Brown, Richard P., assignor.)
- Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)
- Brown Instrument Company, The. (See Poole, Foster M., assignor.)
- Brown Instrument Company, The. (See Van Orsdale, Allen A., assignor.)
- Brown, Irving E., and N. Hoffman, Perth Amboy, N. J. Condiment holder. 1,744,358; Jan. 21.
- Brown, Irving E., and N. Hoffman, Perth Amboy, N. J. Control mechanism for movable elements. 1,760,472; May 27.
- Brown, Isaac W., Eldorado Springs, Mo. Blind for bridles. 1,759,296; May 20.
- Brown, Jack E., Brooklyn, N. Y. Ice-cream dispenser. 1,758,028; May 13.
- Brown, Jacob S., assignor of one-half to H. C. Brown and one-half to E. A. Wiley, Compton, Calif. Rotary-disk underreamer. 1,758,187; May 13.
- Brown, Jacob S., assignor of one-half to H. C. Brown and one-half to E. A. Wiley, Compton, Calif. Underreaming well-drilling bit. 1,776,018; Sept. 16.
- Brown, James, and E. Barrett, St. Albans, Christchurch, New Zealand. Fuse cut-out for electric circuits. 1,786,333; Dec. 23.
- Brown, James, and W. D. Vredenburg, Yakima, Wash. Windshield wiper. 1,748,055; Feb. 25.
- Brown, James C., assignor to E. O. Frederics, New York, N. Y. Combination heater for permanent waving. 1,755,173; Apr. 22.
- Brown, James H., Denver, Colo. Lock nut. 1,760,113; May 27.
- Brown, James M., deceased, by J. D. Brown, administratrix, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,749,560; Mar. 4.
- Brown, James W., Tulsa, Okla. Derrick. 1,784,572; Dec. 9.
- Brown, James W., Tulsa, Okla., assignor to The Ponce Patent Development Company. Ratchet-bar-actuating mechanism. 1,774,869; Sept. 2.
- Brown, Jane D., administratrix. (See Brown, James M.)
- Brown, Jegor I., Berlin-Charlottenburg, Germany. Refractory material and its manufacture. 1,780,114; Oct. 28.
- Brown, John E., Elyria, Ohio. Fishhook and weed guard. 1,766,279; June 24.
- Brown, John H., Hollywood, Calif., assignor, by mesne assignments, to Instant-Ice Corporation. Refrigerating machine. 1,748,669; Feb. 25.
- Brown, John J., East Rutherford, N. J. Clothesline support. 1,769,620; July 1.
- Brown, John J., assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 1,781,536; Nov. 11.
- Brown, John L., Catonsville, assignor of one-half to W. W. Varney, Baltimore, Md. Making cigars and the product thereof. 1,743,014; Jan. 7.
- Brown, John L., Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company. Plunger overflow for sealed sleeve bearings. 1,757,615; May 6.
- Brown, John M., assignor to Crystal Oil Burner Corporation, Irvington, N. J. Liquid-fuel burner. 1,753,360; Apr. 8.
- Brown, John W., Fort Wayne, Ind. Battery-terminal-connection puller. 1,747,925; Feb. 13.
- Brown, Joseph. (See Metcalf, W. W., and Brown.)
- Brown, Joseph A. (See Brown, Sam R., assignor.)
- Brown, Joseph H., New York, N. Y. Horological lamp. 1,770,874; July 15.
- Brown, L. L., Paper Company. (See Daniels, Arthur M., assignor.)
- Brown, Lathrop, Montauk, N. Y. Priming attachment for internal-combustion motors. 1,776,214; Sept. 16.
- Brown, Lemuel A., Charleston, Wash. Wheeled shopping bag. 1,751,902; Mar. 25.
- Brown, Leslie A., assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 81,521; July 8.
- Brown, Le Roy O., assignor to Justrite Manufacturing Company, Chicago, Ill. Lamp. Des. 82,877; Dec. 23.
- Brown Line Process Company. (See Hall, Oliver A., assignor.)
- Brown, Linwood M., Pittsburgh, Pa. Steel alloy. Re17,846; Oct. 28.
- Brown-Lipe Gear Company, The. (See Carhart, George C., assignor.)

- Brown-Lipe Gear Company. (See Eaton, Ernest, assignor.)
 Brown-Lipe Gear Company. (See Eaton, Ernest E., assignor.)
 Brown-Lipe Gear Company. (See Fawick, Thomas L., assignor.)
 Brown-Lipe Gear Company. (See Jarrett, C. W., and Skeritt, assignors.)
 Brown Lipe Gear Company. (See Peterson, Carl D., assignor.)
 Brown-Lipe Gear Company. (See Stanard, Charles H., assignor.)
 Brown Lipe Gear Company, The. (See Sweet, Henry W., assignor.)
 Brown, Lloyd J., Evanston, assignor to E. Payson Smith, Springfield, Ill. Brake-hanger support. 1,772,702; Aug. 12.
 Brown Lynch Scott Co. (See Flatley, J. H., and Hoy, assignors.)
 Brown Lynch Scott Co. (See Johnson, R. H., and Szekeley, assignors.)
 Brown, Maurice M., Washington, D. C. Swimming catamaran. 1,752,630; Apr. 1.
 Brown, Max, Chicago, Ill. Reverse control for electric motors. 1,776,413; Sept. 23.
 Brown, Milton V., assignor of one-half to P. R. Barnes, Guthrie, Okla. Sign. 1,787,355; Dec. 30.
 Brown, Munro S., Los Angeles, Calif. Holder for applying fulminate to self-lighting cigarettes. 1,774,316; Aug. 26.
 Brown, Ned C. L., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,742,751; Jan. 7.
 Brown, Newton N., assignor to Gold Medal Camp Furniture Mfg. Co., Racine, Wis. Foldable chair. 1,767,736; June 24.
 Brown, Oliver H., Davenport, Iowa. Terminal for electric wires. 1,750,793; Mar. 18.
 Brown, Oscar H., Salem, assignor to The Turner Tanning Machinery Company, Peabody, Mass. Thermometer mounting. 1,747,222; Feb. 18.
 Brown Package Company. (See Brown, W. R., and Towne, assignors.)
 Brown, Paul B., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. Des. 82,078; Sept. 23.
 Brown, Peter, Chicago, Ill., assignor to O-Cedar Corp'n. Mop. 1,771,768; July 29.
 Brown, Phelps, and T. G. Louis, Springfield, assignors to Wico Electric Company, West Springfield, Mass. Magnet. 1,746,378; Feb. 11.
 Brown, Ralph L., assignor to Brandes Laboratories Inc., Newark, N. J. Cone speaker. 1,745,599; Feb. 4.
 Brown, Ralph L., assignor to Brandes Laboratories, Inc., Newark, N. J. Sound reproducer. 1,775,064; Sept. 2.
 Brown, Ralph L., assignor to Brandes Laboratories, Inc., Newark, N. J. Electromagnetic sound reproducer. 1,779,728; Oct. 28.
 Brown, Ray A., Rockford, Ill. Stereotype-casting machine. 1,779,873; Oct. 28.
 Brown, Ray A., Rockford, Ill. Stereotype-casting machine. 1,780,062; Oct. 28.
 Brown, Ray A., Rockford, Ill. Stereotype-casting machine. 1,780,063; Oct. 28.
 Brown, Raymond W., and C. Paulson, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. System and apparatus for testing impulses and impulse devices. 1,759,837; May 27.
 Brown, Reinhardt H., La Porte, Ind., assignor to J. H. McElroy, trustee. Child's collapsible vehicle. 1,765,786; June 24.
 Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Meter-controlled relay mechanism. 1,785,761; Dec. 23.
 Brown, Robert E., Olean, N. Y. Ax guard. 1,762,256; June 10.
 Brown, Robert F., Baltimore, Md. Internal-combustion engine. 1,754,785; Apr. 15.
 Brown, Robert J. (See Shafor, R. W., Nees, and Brown.)
 Brown, Robert L., assignor to The Harnischfeger Corporation, Milwaukee, Wis. Conveyor. 1,743,878; Jan. 14.
 Brown, Robert L., assignor to Harnischfeger Corporation, Milwaukee, Wis. Trenching machine. 1,756,971; May 6.
 Brown, Robert L., assignor to Harnischfeger Corporation, Milwaukee, Wis. Drag-line fair lead. 1,767,737; June 24.
 Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Sharpening device. 1,771,840; July 29.
 Brown, Robert S., New Britain, assignor to The New Britain Machine Company, New Britain, Conn. Sprocket-center-removing means. 1,774,050; Aug. 26.
 Brown, Robert S., assignor, by mesne assignments, to The New Britain-Gridley Machine Company, New Britain, Conn. Metal-working machine. 1,780,889; Nov. 4.
 Brown, Roy H., Chester, Ill. Toy. 1,757,002; May 6.
 Brown, Roy W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Full-circle retread vulcanizer. 1,745,145; Jan. 28.
 Brown, Roy W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Jacketed mold. 1,745,146; Jan. 28.
 Brown, Roy W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Instrument for controlling temperatures. 1,768,349; June 24.
 Brown, Sam R., Burlingame, assignor of one-half to J. A. Brown, San Francisco, Calif. Safety device. 1,749,063; Mar. 4.
 Brown and Sharpe Manufacturing Company. (See Brown, Arthur, assignor.)
 Brown & Sharpe Manufacturing Company. (See Graves, Benjamin P., assignor.)
 Brown & Sharpe Manufacturing Company. (See Graves, B. P., and Smith, assignors.)
 Brown and Sharpe Manufacturing Company. (See Mathewson, Maxwell I., assignor.)
 Brown and Sharpe Manufacturing Company. (See Mathewson, M. I., and Brown, assignors.)
 Brown and Sharpe Manufacturing Company. (See Mayo, Leland R., assignor.)
 Brown & Sharpe Mfg. Co. (See Parker, John W., assignor.)
 Brown & Sharpe Mfg. Co. (See Parkhurst, Malcolm K., assignor.)
 Brown Shoe Company. (See Mudge, Archibald C., assignor.)
 Brown, Sidney G., North Acton, England. Gyroscopic compass. 1,777,601; Oct. 7.
 Brown, Sidney G., North Acton, London, England. Gyrocompass. 1,777,958; Oct. 7.
 Brown, Sidney G., North Acton, England. Gyroscopic indicating instrument. 1,781,746; Nov. 18.
 Brown, Stanley, Garden City, assignor to The Griscom-Russell Company, New York, N. Y. Deaerator. 1,750,035; Mar. 11.
 Brown, Stewart, Chicago, Ill. Holder for cigars, cigarettes, cigar and cigarette ashes, electric lamps, and other articles. 1,747,157; Feb. 18.
 Brown, Stewart, Chicago, Ill. Indicator for automobile lubrication. 1,754,383; Apr. 15.
 Brown, Theodore, Streatham, London, England. Optical appliance for advertisement and other purposes. 1,746,188; Feb. 4.
 Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Folding vehicle wheel. 1,744,156; Jan. 21.
 Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Gang plow. 1,749,064; Mar. 4.
 Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Cultivator-wheel mounting. 1,780,900; Nov. 11.
 Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Plow. 1,787,137; Dec. 30.
 Brown, Theophilus, and C. G. Strandlund, assignors to Deere & Company, Moline, Ill. Tractor plow. 1,745,472; Feb. 4.
 Brown, Theophilus, and C. G. Strandlund, assignors to Deere & Company, Moline, Ill. Tractor plow. 1,755,808; Apr. 22.
 Brown, Thomas H., Lansdowne Borough, Pa., assignor, by mesne assignments, to National Sash Weight Corporation, Baltimore, Md. Core-forming apparatus. 1,751,470; Mar. 25.
 Brown, Vere B., Brackenridge, Pa. Silicon steel. 1,784,811; Dec. 16.
 Brown, Vernie R. (See Waters, H. F., and Brown.)
 Brown, Vernie R., assignor to Magnetic Organ Action Company, University City, Mo. Valve action for pipe organs. 1,767,738; June 24.
 Brown, Vernie R., University City, assignor to Magnetic Organ Action Company, St. Louis, Mo. Magnetic device for initiating movement. 1,767,739; June 24.
 Brown, Vernon. (See Pengilly, J. H., and Brown.)
 Brown, Walter G., Balboa, Canal Zone, Panama. Rack. 1,781,976; Nov. 18.
 Brown, Walter J., Brooklands, England. Space-current device. 1,750,386; Mar. 11.
 Brown, Wilbur F., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Glass-melting furnace. 1,744,359; Jan. 21.
 Brown, Wilbur F., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Leer roll. 1,759,220; May 20.
 Brown, Wilbur F., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Glass-tank furnace. 1,761,190; June 3.
 Brown, Wilbur F., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Producing laminated glass. 1,761,770; June 3.
 Brown, William, Revere, Mass. Device for operating rear curtains of automobiles. 1,767,046; June 24.
 Brown, William A., Philadelphia, Pa. Emergency heater. Re17,637; Apr. 8.
 Brown, William A., Philadelphia, and E. A. Corbin, jr., Swarthmore, Pa. Cooling, drying, and lighting fixture. 1,752,778; Apr. 1.
 Brown, William E., Los Angeles, Calif. Jar closure. 1,754,542; Apr. 15.
 Brown, William E., Los Angeles, Calif. Folding support. 1,783,558; Dec. 2.
 Brown, William R., Chicago, Ill. Spray gun. 1,744,037; Jan. 21.
 Brown, William R., and A. C. Towne, assignors to Brown Package Company, Winchendon, Mass. Latching device for shipping containers. 1,764,002; June 17.
 Brown, William S., assignor of one-fourth each to K. W. Dennis and O. B. Keister, Knoxville, Tenn. Valve gear. 1,770,296; July 8.
 Brownback, Henry L., Norristown, Pa. Valve tappet and guide. 1,770,730; July 15.
 Brownback, Henry L., Norristown, Pa. Inlet manifold. 1,781,434; Nov. 11.

- Brownback, Henry L., Norristown, Pa. Crank-pin bearing for connecting-rod assemblies. 1,783,698; Dec. 2.
- Brownback, Henry L., Norristown, Pa., assignor to Brownback Motor Laboratories, Inc., New York, N. Y. Speed boat. 1,749,017; Mar. 4.
- Brownback Motor Laboratories, Inc. (See Brownback, Henry L., assignor.)
- Browne, Alfred L., East Orange, N. J. Heating system. 1,772,239; Aug. 5.
- Browne, Frank A., Wayne, assignor to The Barber Asphalt Company, Philadelphia, Pa. Automatic valve. 1,746,025; Feb. 4.
- Browne, Frank A., Wayne, assignor to The Barber Asphalt Company, Philadelphia, Pa. Automatic valve. 1,746,026; Feb. 4.
- Browne, Frank A., Wayne, assignor to The Barber Asphalt Company, Philadelphia, Pa. Elevator. 1,749,872; Mar. 11.
- Browne, James R., Evansville, Ind. Hydroairplane. 1,754,220; Apr. 15.
- Browne, Louis I., Toledo, Ohio. Power tool. 1,754,348; Apr. 15.
- Browne, Lyle W., assignor to The Fisher Governor Company, Inc., Marshalltown, Iowa. Vacuum fluid extractor. 1,751,619; Mar. 25.
- Browne, Lyle W., assignor to The Fisher Governor Company, Inc., Marshalltown, Iowa. Remote-control structure for valves. 1,764,825; June 17.
- Browne, Michael I., Delia, Kans. Internal-combustion engine. 1,744,157; Jan. 21.
- Browne-Morse Company. (See Soper, Raymond H., assignor.)
- Browne, Richard C. (See Ames, L. G., and Browne.)
- Browne, Theodore C., Cleveland, Ohio. Resistor. 1,749,661; Mar. 4.
- Browne, Theodore C., Cleveland, Ohio. Resistor. 1,749,662; Mar. 4.
- Browne, Vere B., Brackenridge, Pa. Making magnetic alloys. Re17,771; Aug. 12.
- Browne, Vere B., Brackenridge, Pa. Making ductile iron chromium aluminum alloys. 1,754,008; Apr. 8.
- Browne, William G., Yonkers, N. Y., and R. W. Olmsted, San Francisco, Calif. Advertising signboard structure. 1,754,932; Apr. 15.
- Browne, William G., Yonkers, N. Y., and R. W. Olmsted, San Francisco, Calif. Advertising signboard structure. 1,766,978; June 24.
- Brownell, Charles O., assignor to The Wrap-Rite Corporation, Chicago, Ill. Paper-feeding and cut-off mechanism. 1,761,771; June 3.
- Brownell Company, The. (See Little, Clarence B., assignor.)
- Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Door handle. Des. 82,598; Nov. 25.
- Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Window-regulator handle. Des. 82,599; Nov. 25.
- Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Handle. Des. 82,600; Nov. 25.
- Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Picture or card holder. Des. 82,601; Nov. 25.
- Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Lamp housing. Des. 82,602; Nov. 25.
- Brownell, James L., Kalamazoo, Mich. Flood light. 1,786,515; Dec. 30.
- Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Motor-vehicle-control apparatus. 1,781,099; Nov. 11.
- Browning Crane Company. (See Christie, John W., assignor.)
- Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Lawn sprinkler. 1,761,191; June 3.
- Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Electric laundry iron. 1,761,192; June 3.
- Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Electric laundry-iron switch. 1,765,401; June 24.
- Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Thermostatically-governed electric laundry iron. 1,779,960; Oct. 28.
- Browning, Glenn H., Winchester, and F. H. Drake, Waretown, assignors to National Company, Inc., Malden, Mass. Tunable radiofrequency transformer. 1,770,456; July 15.
- Browning, John B., Camden, N. J. Radiotelephonograph. 1,743,706; Jan. 14.
- Browning, John B., Camden, N. J. Radiotelephonograph. 1,743,707; Jan. 14.
- Browning, John B., Camden, N. J. Electrically-wound spring motor. 1,751,903; Mar. 25.
- Browning, John B., Camden, N. J. Electrically-wound spring motor. 1,751,904; Mar. 25.
- Browning, John C. (See Robinson, N. H., Browning, and Smith.)
- Brownlee, Dalmar T., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Antireverse safety clutch. 1,759,684; May 20.
- Brownlie, James, Dennistoun, Glasgow, and A. Horsley, Thornliebank, Glasgow, Scotland. Collapsible box or case holding electric and other bulbs. 1,754,081; Apr. 8.
- Brownlow, Edward G. (See Parsons, C. A., and Brownlow.)
- Brownsberger, Howard J., and H. E. McConnell, Toledo, Ohio. Shaving brush. 1,756,811; Apr. 29.
- Brownson, Ralph, Hastings, Minn. Bag. 1,775,808; Sept. 16.
- Brownstein, Albert A., Walnut Park, Calif. Neckband construction. 1,754,499; Apr. 15.
- Brownstein, Jacob, Brooklyn, assignor to S. Messer, doing business as Anglo Display Fixture Co., New York, N. Y. Ensemble display stand. Des. 81,083; May 6.
- Brownstein, Jacob, Brooklyn, assignor to S. Messer, doing business as Anglo Display Fixture Co., New York, N. Y. Ensemble display stand. Des. 81,084; May 6.
- Brownyer, Nelson R. (See Alden, H. W., and Brownyer.)
- Brownyer, Nelson R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Expanding brake. 1,749,901; Mar. 11.
- Brownyer, Nelson R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Car truck. 1,782,192; Nov. 18.
- Brozek, Stanley, Detroit, Mich., Wall construction. 1,753,820; Apr. 8.
- Bruback, Theodore M. (See Linaker, F. W., and Bruback.)
- Bruback, Theodore M., and De L. E. Hibner, jr., Du Bois, Pa. Motor-operated valve. 1,777,115; Sept. 30.
- Brubaker, Jacob E., assignor to The Hubley Manufacturing Co., Lancaster, Pa. Surf-rider toy. Des. 80,477; Feb. 11.
- Brubaker, John A., assignor to The Haughton Elevator & Machine Company, Toledo, Ohio. Door-operating mechanism. 1,744,823; Jan. 28.
- Brubaker, John C., assignor of one-half to L. F. Caswell, Los Angeles, Calif. Feather-renovating apparatus. 1,779,692; Oct. 28.
- Brubaker, Peter. (See Steinour, J. E., and Brubaker.)
- Bruce, Albert W. (See Barker, S. S., and Bruce.)
- Bruce, Alfred W., New York, N. Y. Steam boiler. 1,750,295; Mar. 11.
- Bruce, Alfred W., New York, N. Y. Locomotive bed and superstructure. 1,780,001; Oct. 28.
- Bruce, Charles A., assignor to E. L. Bruce Company, Memphis, Tenn. Wood block. 1,779,729; Oct. 28.
- Bruce, Duncan. (See Kelly, W. C., Price, Bruce, and Goeller.)
- Bruce, E. L., Company. (See Bruce, Charles A., assignor.)
- Bruce, E. L., Company. (See Fetz, Werner, assignor.)
- Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission regulation. 1,778,750; Oct. 21.
- Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical testing system. 1,781,363; Nov. 11.
- Bruce, Frank E., assignor, by mesne assignments, to Cel-lized Oak Flooring, Inc., Memphis, Tenn. Wood flooring. 1,778,352; Oct. 14.
- Bruce, Herbert D. (See Hannen, P. T., and Bruce.)
- Bruce, Peter M., Lochhill, Auldgrith, Scotland. Flying machine. 1,758,556; May 13.
- Bruce, William M. (See Vaughan, W., and Bruce.)
- Brückel, Waldemar, Berlin, Germany, assignor to General Electric Company. Protective arrangement. 1,760,541; May 27.
- Brückel, Waldemar, and R. Schimpf, Berlin, Germany, assignors to General Electric Company. Frequency-responsive signal-receiving apparatus. 1,780,669; Nov. 4.
- Brucker, Ferdinand F., assignor to The Miller Rubber Company, Akron, Ohio. Applying packing gaskets and analogous articles. 1,759,685; May 20.
- Brucker, Henry, Maplewood, N. J. Cooking apparatus. 1,751,974; Mar. 25.
- Bruckmann, Peter C., St. Louis, Mo., assignor, by mesne assignments, to Vorclone Company. Bearing construction. 1,782,710; Nov. 25.
- Bruckmann, Peter C., St. Louis, Mo., assignor, by mesne assignments, to Vorclone Company. Positioning device for laundry machines. 1,782,983; Nov. 25.
- Bruckmann, Peter C., and W. R. Hager, St. Louis, Mo., assignors, by mesne assignments, to Vorclone Corporation, Milwaukee, Wis. Laundry-drum construction. 1,755,867; Apr. 22.
- Bruckner, Robert E., Hastings-upon-Hudson, assignor to Doherty Research Company, New York, N. Y. Fuel injection and atomization by stream impact. 1,769,675; July 1.
- Brueckel, Lee D., Steubenville, Ohio. Compression brake. 1,752,229; Mar. 25.
- Brueckler, Hans. (See Tolman, E. B. jr., and Brueckler.)
- Brueckman, William J., Detroit, Mich. Golf-tee packet. 1,747,499; Feb. 18.
- Brueckmann, Adolph C., Baltimore, Md., assignor to Brueckmann Bank Alarm, Inc. Alarm. 1,774,416; Aug. 26.
- Brueckmann Bank Alarm, Inc. (See Brueckmann, Adolph C., assignor.)
- Bruehl, Lawrence, Brooklyn, N. Y., assignor to Gas Refrigeration Corporation, Scranton, Pa. Evaporator for refrigerating apparatus. 1,764,192; June 17.
- Bruehl, Lawrence, Brooklyn, N. Y., assignor to Gas Refrigeration Corporation, Scranton, Pa. Fluid control. 1,764,193; June 17.

- Bruehl, Lawrence, Brooklyn, N. Y., assignor to Gas Refrigeration Corporation, Scranton, Pa. Evaporator. 1,764,195; June 17.
- Bruehl, Lawrence, Brooklyn, N. Y., assignor to Gas Refrigeration Corporation, Scranton, Pa. Automatic controller for refrigerating systems. 1,764,196; June 17.
- Bruehl, Lawrence, and L. Reichert, Brooklyn, N. Y., assignors to Gas Refrigeration Corporation, Scranton, Pa. Controlling device for heat transference in refrigerators. 1,764,194; June 17.
- Bruehl, Lawrence, and L. Reichert, Brooklyn, N. Y., assignors to Gas Refrigeration Corporation, Scranton, Pa. Ammonia condenser and rectifier. 1,764,197; June 17.
- Bruehl, Walter J., Buffalo, N. Y. Necktie and method of tying same. 1,760,473; May 27.
- Bruens, George C. F., Louisville, Ky. Dressing poultry and fowls. 1,746,100; Feb. 4.
- Bruer, Genevieve, San Francisco, Calif. Hatbox. 1,784,333; Dec. 9.
- Brueshaber, Martin W., Chicago, Ill. Machine for casting stereotype printing plates. 1,755,098; Apr. 15.
- Brueshaber, Martin W., River Forest, Ill., assignor to Goss Printing Press Company. Printing-press cylinder. 1,787,187; Dec. 30.
- Bruggeman, Alphonse J., assignor to Fried-Osterman Company, Milwaukee, Wis. Glove. 1,786,227; Dec. 23.
- Brugmann, William F., et al. (See Schoettler, Frederick H., assignor.)
- Brühlmann, Gottfried, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Electric switch. 1,754,349; Apr. 15.
- Bruhn, Friedrich W. G., Berlin-Wilmersdorf, Germany. Positive speed gauge. 1,753,547; Apr. 8.
- Brujines, Johannes, J. van der Hoeven, and E. Oosterhuis, assignors to N. V. Philips' Gloeilampen-Fabriek, Eindhoven, Netherlands. Oxide cathode. 1,777,253; Sept. 30.
- Bruman, Carl. (See Runden, A., and Bruman.)
- Brumbach, Morris G., Laureldale, Pa. Window construction. 1,767,343; June 24.
- Brumbly, M. G. (See Lamb, Charles, assignor.)
- Brumder, Thekla U., executrix. (See Brumder, William C.)
- Brumder, William C., deceased, Milwaukee, Wis.; T. U. Brumder, executrix. Mixing device. 1,752,832; Apr. 1.
- Brumder, William C., deceased, Milwaukee, Wis.; T. U. Brumder, executrix. Mixing apparatus. 1,752,833; Apr. 1.
- Brumfield, William C. (See Hale, Franklyn B., assignor.)
- Brummett, Theodore V., Portland, Oreg. Cookie and doughnut cutter. 1,778,969; Oct. 21.
- Brumser, Henry M., Portland, Oreg., assignor to Toledo Scale Company, Toledo, Ohio. Scale. Re17,819; Oct. 7.
- Brumund, Alvin L. (See Inman, W. A., and Brumund.)
- Brun, Etienne (known as Stephane) J., Lyon, France. Apparatus for selecting luminous points of an image for reproduction by television. 1,763,528; June 10.
- Brundage, Forrest H. (See Umstead, James R., assignor.)
- Brundage, Forrest H., Toledo, Ohio. Fishing rod and reel. 1,742,645; Jan. 7.
- Brune, Rudolf. (See Wagner, H., Brune, Hessenland, Hoffa, Müller, and Heyna.)
- Brunell, Fred E., Plattsburg, N. Y. Collapsible basket. 1,757,168; May 6.
- Brunelle, Gaston A., San Francisco, Calif. Auxiliary air supply and mixing device for internal-combustion engines. 1,748,203; Feb. 25.
- Bruner, John M., et al. (See King, Augustus T., assignor.)
- Brunette, Joseph W., Fordson, Mich. Syringe. 1,751,507; Mar. 25.
- Brunette, Joseph W., Fordson, Mich. Syringe attachment. 1,785,293; Dec. 16.
- Brunhoff, Edward, Wyoming, Ohio. Advertising change tray. Des. 82,246; Oct. 14.
- Brunhoff, Edward, Wyoming, Ohio, assignor to The Arnold Electric Company, Racine, Wis. Dispensing apparatus. 1,778,843; Oct. 21.
- Brunhoff, Edward, Wyoming, Ohio, assignor to The Arnold Electric Company, Racine, Wis. Powder-dispensing apparatus. 1,778,844; Oct. 21.
- Brunhoff, Edward, Wyoming, Ohio, assignor to The Arnold Electric Company, Racine, Wis. Dispensing apparatus. 1,778,845; Oct. 21.
- Brunhübner, Georg. (See Wenz, J., Brunhübner, and Alvera.)
- Brunhübner, Georg, assignor to Ernst G. Bek, Pforzheim, Germany. Soldering. 1,764,604; June 17.
- Bruni, Amedeo, New York, N. Y. Sound amplifier for airplanes. 1,781,266; Nov. 11.
- Bruninghaus & Co. (See Kohler, Wilhelm, assignor.)
- Brunk, Harold J., Chicago, Ill., assignor to C. F. Pease Company. Feeding tracings to blue-print machines. 1,767,833; June 24.
- Brunn and Company. (See Brunn, Hermann A., assignor.)
- Brunn, Hermann A., assignor to Brunn and Company, Inc., Buffalo, N. Y. Seat mounting for automobiles. 1,752,368; Apr. 1.
- Brunner, Albert. (See Dick, B., and Bruner.)
- Brunner, Emilio. (See Stansfield, E., and Brunner.)
- Brunner Engineering Corporation of New York. (See Norberg, Clifford M., assignor.)
- Brunner, George M., Roseburg, Oreg. Time-controlled switch. 1,754,933; Apr. 15.
- Brunner, Harold E., Larchmont, N. Y., assignor to The Shayef Ball Bearing Company, Hartford, Conn. Taper and the art of mounting this. 1,771,769; July 29.
- Brunner, Harold E., Larchmont, and R. F. Runge, Forest Hills Gardens, N. Y., assignors to The Skayef Ball Bearing Company, Hartford, Conn. Sheet-metal adapter. 1,759,640; May 20.
- Brunner, Matthew J., assignor of one-half to C. G. Buscaglia, Buffalo, N. Y. Curtain rod. 1,764,037; June 17.
- Brunner, Rudolf, Ruschlikon, near Zurich, Switzerland. Process and apparatus for producing artistic designs. 1,780,969; Nov. 11.
- Brunnträger, Franz. (See Kränzlein, G., Müller, Brunnträger, and Janz.)
- Bruno, Cosimo D., Youngstown, Ohio. Back-water trap and floor drain. 1,771,770; July 29.
- Bruno, Joseph C., assignor, by mesne assignments, to The Vol-U-Meter Company, Inc., Buffalo, N. Y. Can-filing machine. 1,774,475; Aug. 26.
- Bruno, Michele, Chicago, Ill. Rail anchor. 1,759,499; May 20.
- Bruno, William A., New York, assignor to Clarostat Mfg. Co. Inc., Brooklyn, N. Y. Rheostat and potentiometer. 1,776,177; Sept. 16.
- Brunow, Guinther H., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Liquid-level-indicating device. 1,767,167; June 24.
- Bruns, Charles E. (See Curtis, Clancy R., assignor.)
- Brunson, Randolph, East Orange, N. J. Garment rack. 1,779,730; Oct. 28.
- Brunsviga-Maschinenwerke Grimme, Natalis & Co. A.-G. (See Kuhr, Ernst, assignor.)
- Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)
- Brunswick-Balke-Collender Company. (See Booth, Byron C., assignor.)
- Brunswick-Balke-Collender Company, The. (See Johnson, George, assignor.)
- Brunswick-Balke-Collender Company, The. (See Nyström, Martin, assignor.)
- Brunswick-Balke-Collender Company, The. (See Townsend, Ralph H., assignor.)
- Brunswick-Balke-Collender Company, The. (See Wardrop, Grover O., assignor.)
- Brunst, L. F., et al. (See Tucker, Pinkney R., assignor.)
- Brush, Alanson P. (See Nacker, Owen M., assignor.)
- Brush, Alanson P., Detroit, Mich. Vibration dampener. 1,756,178; Apr. 29.
- Brush, Alanson P., Detroit, Mich. Vibration dampener. 1,776,144; Sept. 16.
- Brush, Albert D., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Package for perishable medicated articles. 1,749,996; Mar. 11.
- Brush, Frederick F., assignor to Paragon Vaporizer Corporation, Chicago, Ill. Method of and apparatus for vaporizing liquid fuels. 1,782,602; Nov. 25.
- Brush, George S., Zanesville, Ohio. Statue. Des. 81,176; May 20.
- Brush Laboratories Company, The. (See Sawyer, Charles B., assignor.)
- Bruson, Herman A., Philadelphia, Pa., assignor to The Resinous Products & Chemical Company. Softener for cellulose derivatives. 1,761,813; June 3.
- Bruson, Herman A., Philadelphia, Pa., assignor to The Resinous Products & Chemical Company. Coating rubber with cellulosic derivatives. 1,761,814; June 3.
- Bruson, Herman A., Philadelphia, Pa., assignor to The Resinous Products & Chemical Company. Condensation product and preparing same. 1,779,367; Oct. 21.
- Bruson, Herman A., Philadelphia, Pa., assignor to The Resinous Products & Chemical Company. Mixed esters of colophony and related substances. 1,783,165; Nov. 25.
- Bruson, Herman A., Philadelphia, Pa., assignor to The Resinous Products & Chemical Company. Resin plasticizer. 1,783,166; Nov. 25.
- Bruson, Herman A., Germantown, Pa., assignor to The Resinous Products & Chemical Company. Preparation of rubberlike masses. 1,783,167; Nov. 25.
- Bruson, Herman A., Germantown, Pa., assignor to The Resinous Products & Chemical Company. Condensation product and preparing same. 1,783,168; Nov. 25.
- Bruss, Raymond E., Charleston, S. C. Pencil-sharpener switch. 1,776,965; Sept. 30.
- Brust, Walter W., Weston, W. Va. Box forming and sealing device. 1,751,390; Mar. 18.
- Brutnell, Brightie E., et al. (See Hope, Charles S., assignor.)
- Brutofski, Stephen J., J. Armstrong, and L. Shermak. Scranton, Pa. Combination implement. 1,768,232; June 24.
- Bruton, William C., Albany, Calif., assignor to American Manganese Steel Company, Chicago, Ill. Choker hook. 1,752,367; Apr. 1.
- Bruton, William C., Albany, Calif., assignor to American Manganese Steel Company, Chicago, Ill. Can-mangling machine. 1,766,327; June 24.
- Brutscher, George H., Pittsburgh, Pa. Valve guide. 1,754,144; Apr. 8.
- Bryan, Artis C., Syracuse, N. Y. Oil burner. 1,762,678; June 10.
- Bryan, George A., Peru, Ind., assignor to Bryan Steam Corporation. Water heater. 1,745,401; Feb. 4.

- Bryan, Joseph H., assignor of two-thirds to W. L. Simpson, Birmingham, Ala. Radiator cabinet. 1,784,040; Dec. 9.
- Bryan, Russell R., Pachuca, Hidalgo, Mex., assignor, by mesne assignments, to The Merrill Company, San Francisco, Calif. Recovering cyanides. 1,787,033; Dec. 30.
- Bryan, Sally, Denver, Colo. Perforated container for material for imparting radium emanations to fluids. Des. 80,478; Feb. 11.
- Bryan Steam Corporation. (See Bryan, George A., assignor.)
- Bryan, William S., Richmond, Va. Door-straightening tool. 1,771,287; July 22.
- Bryant, Charles L., Cleveland, Ohio. Low-pressure cut-off. 1,756,340; Apr. 29.
- Bryant, Edmond V., Lodi, Ohio. Valve-position indicator. 1,778,583; Oct. 14.
- Bryant Electric Company, The. (See Anderson, C. E., and Keefe, assignors.)
- Bryant Electric Company, The. (See Cunningham, Roy H., assignor.)
- Bryant Electric Company, The. (See Goodridge, Gilbert W., assignor.)
- Bryant Electric Company, The. (See Hadley, Donald L., assignor.)
- Bryant Electric Company, The. (See Hogan, Jay J., assignor.)
- Bryant Electric Company, The. (See Lofgren, Carl O. B., assignor.)
- Bryant Electric Company, The. (See McKinley, Benjamin P., assignor.)
- Bryant Electric Company, The. (See Thomas, George B., assignor.)
- Bryant Electric Company, The. (See Webster, Benjamin C., assignor.)
- Bryant, Elmer J., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Screw extractor. 1,754,736; Apr. 15.
- Bryant, Everett B., deceased, by N. F. Bryant, administratrix, assignor to American Engineering Company, Philadelphia, Pa. Electrically-operated hoist. 1,745,205; Jan. 28.
- Bryant, Fred L. (See Chappelow, E. G., and Bryant.)
- Bryant, George F., and W. S. Warnock, Chicago, Ill. Printing-press bed. 1,752,779; Apr. 1.
- Bryant, Harvey L., Roselle, N. J., assignor to American Can Company, New York, N. Y. Method and apparatus for curling can covers. 1,768,824; July 1.
- Bryant, Henry, Waukesha, Wis. Fitting for tubular structures. 1,765,651; June 24.
- Bryant, Louis O. (See Denmark, A. C., and Bryant.)
- Bryant, Nettie F., administratrix. (See Bryant, Everett B.)
- Bryant, Ozro N., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bleeder-turbine-control mechanism. 1,778,004; Oct. 7.
- Bryant, Ozro N., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governing system. 1,779,419; Oct. 28.
- Bryant, William L., Springfield, Vt. Grinding machine. 1,765,878; June 24.
- Bryant, William T., assignor to W. A. Williams, Houston, Tex. Producing lubricating oils. 1,769,766; July 1.
- Bryce, Chalmers K., Short Hills, and H. W. Jones, Newark, N. J., assignors to National Carbon Company, Inc. Flash light. 1,758,918; May 20.
- Bryce, David A., Darien, Conn. Office cabinet. 1,761,704; June 3.
- Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,747,678; Feb. 18.
- Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Secondary clock. 1,752,939; Apr. 1.
- Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Self-regulating clock system. 1,760,631; May 27.
- Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Automatic control system. 1,763,033; June 10.
- Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Time recorder. 1,773,421; Aug. 19.
- Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,773,570; Aug. 19.
- Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Record-controlled machine. 1,774,051; Aug. 26.
- Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Stationary commutator-type tabulator. 1,775,117; Sept. 9.
- Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Synchronizing clock system. 1,777,745; Oct. 7.
- Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale. 1,777,873; Oct. 7.
- Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Record-controlled printing mechanism. 1,785,999; Dec. 23.
- Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Time recorder. 1,786,979; Dec. 30.
- Bryer, Edward J., and C. H. Pierce, assignors to Shakespear Company, Kalamazoo, Mich. Fishing rod. Des. 81,957; Sept. 9.
- Brylka, Joseph S., Du Bois, Pa. Water sleigh. 1,768,395; June 24.
- Brysilka, Limited. (See Schubert, Friedrich W., assignor.)
- Bryson, Holmes, Groveland, Fla. Pressing installation for freight cars. 1,753,400; Apr. 8.
- Bryson, Tandy A., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Centrifugal machine. 1,743,753; Jan. 14.
- Bryson, Tandy A., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Electric power control mechanism for driven machines. 1,743,754; Jan. 14.
- Bryson, Tandy A., Troy, N. Y., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Driving mechanism. 1,771,525; July 29.
- Bryson Tandy A., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Separating liquids and solids. 1,772,336; Aug. 5.
- Bryson, Tandy A., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Automatic machine control. 1,776,063; Sept. 16.
- Bryson, Tandy A., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Centrifugal drying machine. 1,786,475; Dec. 30.
- Bryson, Tandy A., and J. J. McKeon, assignors, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Machine for treating fabrics. 1,742,196; Jan. 7.
- Brysselbout, Henri A., Detroit, Mich., assignor to Copeland Products, Inc. Expansion element. 1,763,754; June 17.
- Brysselbout, Henri A., Detroit, Mich., assignor to Copeland Products, Inc. Refrigerating mechanism. 1,785,576; Dec. 16.
- Brzozowski, Frank, Slickville, Pa. Chest. 1,761,254; June 3.
- Brzykcy, Antoni. (See Wisniewski, J. E., and Brzykcy.)
- Bubblestone Company, The. (See Rice, John A., assignor.)
- Buc, Hyun E. (See Burgess, L., and Buc.)
- Buccicone, Dario, Gary, Ind., assignor to American Sheet and Tin Plate Company. Hot-mill catcher. 1,767,574; June 24.
- Buccicone, Dario, Gary, Ind., assignor to American Sheet and Tin Plate Company. Pack-handling apparatus. 1,776,616; Sept. 23.
- Buch, Frederick L. (See Olson, C. A., Buch, and Brooks.)
- Buchanan, Charles C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,773,515; Aug. 19.
- Buchanan, Edward A. (See Rudge, C. H., and Buchanan.)
- Buchanan, Emmor A. (See Esch, H. E., and Buchanan.)
- Buchanan, Ernest L. (See Russell, S. G., Buchanan, and Potter.)
- Buchanan, Frank L., Los Angeles, Calif. Pendulum roll mill. 1,754,414; Apr. 15.
- Buchanan, Guy H., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Ammonium-phosphate fertilizer composition and making the same. 1,785,375; Dec. 16.
- Buchanan, Isaac W. P., Lebanon, Tenn. Compression spray gun. 1,744,208; Jan. 21.
- Buchanan, James, New Westminster, British Columbia, Canada. Cylinder head for internal-combustion engines. 1,778,446; Oct. 14.
- Buchanan, Laurence L., Independence, and E. M. Bohlken, Kansas City, Mo. Printing machine. 1,767,577; June 24.
- Buchanan, William A., assignor to The Duplex Paper Bag Company, Cincinnati, Ohio. Paper-bag machine. 1,765,564; June 24.
- Buchanan, William C., Franklin, Mass., and W. O. Tourjee, Providence, R. I., assignors to American Type Founders Company, Jersey City, N. J. Printing press. 1,753,821; Apr. 8.
- Bucher, Hans A., Brooklyn, N. Y. Starting steam turbines. 1,748,634; Feb. 25.
- Bucher, John E. (See Warfield, Edwin W., assignor.)
- Bucherer, Hans T., Munich, Germany, assignor, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Manufacture of vat dyes. 1,745,004; Jan. 28.
- Bucherer, Hans T., Munich, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 2,3-benzocarbazole-1,4-quinones and preparing the same. 1,763,216; June 10.
- Buchert, Harry, et al. (See Coutant, Jay G., assignor.)
- Buchet, Conrad R., assignor to National Air-Lub Products Incorporated, Los Angeles, Calif. Grease dispenser. 1,753,849; Apr. 8.
- Buchet, Conrad R., Long Beach, assignor to Adjusto Equipment Company, Los Angeles, Calif. Apparatus for flushing grease containers. 1,764,387; June 17.
- Buchet, Conrad R., Long Beach, assignor to Adjusto Equipment Company, Los Angeles, Calif. Electric motor and propeller unit. 1,764,388; June 17.
- Buchet, Conrad R., Long Beach, Calif., assignor to Alemite Corporation, Chicago, Ill. Pneumatically-operated greasing apparatus. 1,767,507; June 24.
- Buchheim, Eugene J., assignor to Wicks Pipe Organ Co., Highland, Ill. Setter mechanism for stop combinations of organs. 1,771,841; July 29.
- Buchheit, John A. (See Burks, L. C., and Buchheit.)

- Buchholtz, Walter M., et al. (See Howson, Charles T., assignor.)
- Buchholz, Max, Cassel, Germany. Optical protection of electrical apparatus. 1,774,961; Sept. 2.
- Buchli, Jacob, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electrical coupling. 1,766,594; June 24.
- Buchmann, John, Hamilton, Ohio. Brush. 1,780,221; Nov. 4.
- Buchner, Max., Hanover-Kleeefeld, Germany, assignor to A. Meyerhofer, Zurich, Switzerland. Manufacturing metal compounds. 1,776,064; Sept. 16.
- Buchwald, Emilio, Buenos Aires, Argentina. Device for the introduction, immersion, and aspersion of medicaments. 1,773,571; Aug. 19.
- Buck, Alonzo L., Langley, S. C. Weighing scale. 1,760,342; May 27.
- Buck, Edwina, Glendale, Calif. Batter fork. 1,751,853; Mar. 25.
- Buck, Everett S., and L. B. Mettler, Los Angeles, Calif. Ventilating system. 1,750,873; Mar. 18.
- Buck, Frank H., Wilmington, Del. Electrolytic-cell hookup. 1,766,875; June 24.
- Buck, Frank J., assignor to Vermiculite & Asbestos Company, Libby, Mont. Composition of matter. 1,776,749; Sept. 23.
- Buck, Glen, Evanston, Ill. Pen-holding device. Des. 80,775; Mar. 25.
- Buck, Leo L., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway brake-controlling apparatus. 1,775,809; Sept. 16.
- Buck, Lucien, assignor of one-half to James Hunter Machine Company, North Adams, Mass. Drying apparatus and method. 1,766,595; June 24.
- Buck, Otto F. (See Venzlaff, R. B. W., and Buck.)
- Buck, Sterling P. (See Suarez, Joseph M., assignor.)
- Buck, William H. (See Morris, C., and Buck.)
- Buckbee, Arthur R. (See Buckbee, Walter C. and A. R.)
- Buckbee, Walter C. and A. R., Whittier, Calif. Fluid-operated circuit controller. 1,759,537; May 20.
- Buckendale, Laurence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Automotive driving construction. 1,754,604; Apr. 15.
- Buckendale, Laurence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Motor vehicle. 1,778,242; Oct. 14.
- Buckendale, Laurence R., Detroit, Mich., and C. A. Peirce, Chicago, Ill. Motor vehicle. 1,784,268; Dec. 9.
- Buckeye Aluminum Company, The. (See Brown, Arnold L., assignor.)
- Buckeye Blower Company, The. (See Davis, H. C., and Harnett, assignors.)
- Buckeye Blower Company, The. (See Harnett, Lewis D., assignor.)
- Buckeye Iron and Brass Works. (See Rumsey, Edward C., assignor.)
- Buckeye Jack Manufacturing Company, The. (See Clark, Harold W., assignor.)
- Buckeye Steel Castings Company, The. (See Bush, Samuel P., assignor.)
- Buckeye Steel Castings Company, The. (See Filander, Arthur H., assignor.)
- Buckeye Steel Castings Company, The. (See Filander, A. H., and Johnson, assignors.)
- Buckeye Steel Castings Company, The. (See Hansen, Merritt R., assignor.)
- Buckeye Steel Castings Company, The. (See Johnson, George T., assignor.)
- Buckeye Steel Castings Company, The. (See Johnson, G. T., and Stertzbach, assignors.)
- Buckeye Steel Castings Company, The. (See Large, George E., assignor.)
- Buckeye Steel Castings Company, The. (See Orr, Claude L., assignor.)
- Buckeye Steel Castings Company, The. (See Stertzbach, H. W., and McPherson, assignors.)
- Buckeye Traction Ditcher Company, The. (See George, Charles L., assignor.)
- Buckeye Traction Ditcher Company, The. (See Yocum, Charles F., assignor.)
- Buckeye Traction Ditcher Company, The. (See Van Scoit, Harry B., assignor.)
- Bucking, Henry J., San Francisco, Calif. Safety apparatus for oil-storage tanks. 1,753,401; Apr. 8.
- Buckingham, William F., Chicago, Ill. Display device. 1,770,227; July 8.
- Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Shock-absorbing mechanism. 1,760,396; May 27.
- Buckland, Earl M., assignor to Rockwell-Barnes Company, Chicago, Ill. Folder. 1,744,948; Jan. 28.
- Buckle, Horace L. T., Iver Heath, England, assignor to Victor Talking Machine Company, Camden, N. J. Talking machine. 1,760,190; May 27.
- Bucklein, Frank P., Los Angeles, Calif. Base to hold nozzles and supply pipes. 1,786,146; Dec. 23.
- Bucklen, Herbert E., Elkhart, Ind., assignor to Herbert E. Bucklen Corporation. Electric windmill. 1,746,991; Feb. 11.
- Bucklen, Herbert E., Elkhart, Ind., assignor to Herbert E. Bucklen Corporation. Windmill drive. 1,755,422; Apr. 22.
- Bucklen, Herbert E., Corporation. (See Bucklen, Herbert E., assignor.)
- Buckles, Winfred G., assignor to Parco Development Company, Parco, Wyo. Treating clay. 1,760,191; May 27.
- Buckley, Charles E., New Bedford, Mass. Gassing machine. 1,768,662; July 1.
- Buckley, Emory L., and R. C. McAllister, Painted Post, N. Y., assignors to Ingersoll-Rand Company, Jersey City, N. J. Compressor-regulating apparatus. 1,743,806; Jan. 14.
- Buckley, John J., Boston, Mass. Carburetor. 1,744,865; Jan. 28.
- Buckley, John P., et al. (See Zim, Jesse G., assignor.)
- Buckley, John P., Washington, D. C. Helicopter. 1,769,203; July 1.
- Buckley, John P., Washington, D. C., and A. E. Nesbitt, Chevy Chase, Md. Aircraft signal. 1,758,927; May 20.
- Buckley, Oliver E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling cable. 1,752,413; Apr. 1.
- Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical conductor. 1,756,341; Apr. 29.
- Buckley, Oliver E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling conductor. 1,762,956; June 10.
- Buckley, Oliver E., Maplewood, and J. B. Johnson, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of electrical variations. 1,778,751; Oct. 21.
- Buckley, W. J. (See Brennan, Malachi F., assignor.)
- Bucklitch, Gustave J. (See Hadfield, S., and Bucklitch.)
- Buckman, Edward A., Los Angeles, Calif. Combination sink and garbage-disposal means. 1,743,187; Jan. 14.
- Buckminster, Ira C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating apparatus. 1,776,829; Sept. 30.
- Bucknam, Joseph S., jr., and W. F. De Groat, Fort Lauderdale, Fla. Combined awning and shutter. Re17,550; Jan. 7.
- Bucknam, Worthy C., Freeport, N. Y., assignor, by mesne assignments, to The Prairie Pipe Line Company, Tulsa, Okla. Pipe-cutting machine. 1,775,667; Sept. 16.
- Bucknell Supply Company. (See Bowlzer, Daniel H., assignor.)
- Buckner, Irwin, Spokane, Wash. Orthopedic appliance. 1,785,376; Dec. 16.
- Buckner, Thomas E., Plaska, Tex. Conveyor belt. 1,756,278; Apr. 29.
- Buckner, William A., Fresno, Calif. Sprinkler. 1,745,005; Jan. 28.
- Buckner, William A., Fresno, Calif. Self-closing valve. 1,762,503; June 10.
- Buckwalter Stove Company. (See Hewitt, Frank W., assignor.)
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Mounting roller bearings on car axles. 1,748,971; Mar. 4.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway-car journal bearing. 1,748,972; Mar. 4.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Mounting roller bearings on car axles. 1,748,973; Mar. 4.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Removing bearings from axles. 1,753,771; Apr. 8.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller-bearing-axle construction. 1,753,772; Apr. 8.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller-bearing-axle construction. 1,762,609; June 10.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Axle construction. 1,777,392; Oct. 7.
- Bucion, Achille, Ales, France. Lubricating apparatus for the flanges of wheels of engines or vehicles traveling upon railway tracks. 1,786,334; Dec. 23.
- Bucyrus-Erie Company. (See Bager, W. M., and Lehman, assignors.)
- Bucyrus-Erie Company. (See Fykse, Mitchell L., assignor.)
- Bucyrus-Erie Company. (See Keese, M. F., and Taylor, assignors.)
- Bucyrus-Erie Company. (See Lehman, W., Ballentine, and Dahlgren, assignors.)
- Bucyrus-Erie Company. (See Thompson, William B., assignor.)
- Buda Company, The. (See Miller, Claud T., assignor.)
- Budd, Clinton S., Clarion, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Multiple press head for glassware-shaping machines. 1,756,728; Apr. 29.
- Budd, Edward G., assignor to Budd Wheel Company, Philadelphia, Pa. Pilot pin for rolling mills. 1,764,929; June 17.
- Budd, Edward G., Manufacturing Company. (See Adams, Ralph L., assignor.)
- Budd, Edward G., Manufacturing Co. (See Deisley, Edward J., assignor.)
- Budd, Edward G., Manufacturing Company. (See Eksergian, Carolus L., assignor.)
- Budd, Edward G., Manufacturing Co. (See Ledwinka, Joseph, assignor.)
- Budd, Edward G., Manufacturing Company. (See Paugh, James J., assignor.)

- Budd, Edward G., Manufacturing Co. (See Stever, William, assignor.)
- Budd, Edward G., Manufacturing Co. (See Valentine, William A., assignor.)
- Budd, Gerald J., Venice, Calif. Harrow and tooth thereof. 1,784,655; Dec. 9.
- Budd, Harry, Pryor, Okla. Washing apparatus. 1,777,163; Sept. 30.
- Budd, Howard L., assignor to Friedman Silver Co., Inc., Brooklyn, N. Y. Frame clip. 1,754,814; Apr. 15.
- Budd, James E., Battle Ground, Wash., assignor to M. & M. Sales & Mfg. Co., Inc., Portland, Oreg. Milk-bottle cap. 1,745,473; Feb. 4.
- Budd Wheel Company. (See Budd, Edward G., assignor.)
- Budd Wheel Company. (See Evans, Gordon M., assignor.)
- Budd Wheel Company. (See Farr, Warren H., assignor.)
- Budd Wheel Company. (See Hughes, James W., assignor.)
- Budd Wheel Company. (See Hunt, J. Harold, assignor.)
- Budd Wheel Company. (See Hunt, J. H., and Evans, assignors.)
- Budd Wheel Company. (See Ledwinka, Joseph, assignor.)
- Budd Wheel Company. (See Martin, Arthur, assignor.)
- Budd Wheel Company. (See Meadowcroft, Joseph W., assignor.)
- Budd Wheel Company. (See Ragsdale, Earl J. W., assignor.)
- Budd Wheel Company. (See Scull, Chester, sr., assignor.)
- Budd Wheel Company. (See Smith, John W., assignor.)
- Budd Wheel Company. (See Tarbox, John P., assignor.)
- Budd Wheel Company. (See Vis, George A., assignor.)
- Budd Wheel Company. (See Wiles, Charles L., assignor.)
- Budde, Frank J., St. Louis, Mo. Ornamental device for automobile radiators. 1,755,630; Apr. 22.
- Budlong, Edward J., assignor to Budlong & Funchess Motor Products Co., Hanford, Calif. Manufacturing piston rings. 1,777,959; Oct. 7.
- Budlong, Edward J., assignor to Budlong & Funchess Motor Products Co., Hanford, Calif. Spreader. 1,783,071; Nov. 25.
- Budlong & Funchess Motor Products Co. (See Budlong, Edward J., assignor.)
- Buedingen, William L., Milwaukee, Wis. Box-tray support. 1,750,624; Mar. 18.
- Buehler, Brownell, Philadelphia, Pa., assignor to Noble & Wood Machine Company, Hoosick Falls, N. Y. Jordan plug. 1,780,863; Nov. 4.
- Buehler, Fred, Lincoln, Nebr. Tree lifter. 1,761,425; June 3.
- Buehler, Herbert A., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,754,304; Apr. 15.
- Buehler, Leon, jr., assignor to Frick Company, Waynesboro, Pa. Can filler. 1,773,091; Aug. 19.
- Buell Manufacturing Co. (See Flewelling, Edmund T., jr., assignor.)
- Buell, Roy D., Chicago, Ill. Horn. 1,767,740; June 24.
- Buelna, Guadalupe, Santa Barbara, Calif. Sprinkler. 1,742,898; Jan. 7.
- Buelna, Guadalupe, Santa Barbara, assignor to Thompson Manufacturing Company, Los Angeles, Calif. Sprinkler. Re17,802; Sept. 16.
- Buente, Charles F., Pittsburgh, Pa. Cementitious beam member. 1,761,705; June 3.
- Buer, Henry W., et al. (See Drahonovsky, John B., assignor.)
- Buer, Hertha, et al. (See Drahonovsky, John B., assignor.)
- Buerk, August H., Curtice, and H. Gschwend, Waterville, Ohio. Gas plant. 1,763,503; June 10.
- Buerk, Charles A., Chicago, Ill. Liquid combustible. 1,766,501; June 24.
- Buerosse, Alfred E. (See Wachs, F. C., and Buerosse.)
- Buettell, Paul E. (See Emerson, C. L., and Buettell.)
- Buettner, Kurt E., Dallas, Tex. Combined purifying and distilling apparatus. 1,744,747; Jan. 28.
- Buettner, T., & Co. Inc. (See Teall, C. F., and Cowan, assignors.)
- Buffalo Bolt Company. (See Plumb, Ralph, assignor.)
- Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)
- Buffalo Co-Operative Stove Co. (See Breitwieser, Edward, assignor.)
- Buffalo Co-Operative Stove Co. (See Schamberg, George, assignor.)
- Buffalo Electro-Chemical Company. (See Pietzsch, A., and Adolph, assignors.)
- Buffalo Forge Company. (See Criqui, Albert A., assignor.)
- Buffalo Forge Company. (See Yates, Arthur T., assignor.)
- Buffalo Foundry & Machine Company. (See How, Harlan W., assignor.)
- Buffalo Foundry & Machine Company. (See Van Marle, Dirk, J., assignor.)
- Buffalo Jewelry Case Co. Inc. (See Sundee, John R., assignor.)
- Buffalo Pottery. (See Bown, Lewis H., assignor.)
- Buffalo Scale Company. (See Devitt, George C., assignor.)
- Buffalo-Springfield Roller Co., The. (See Aitken, Andrew W., assignor.)
- Buffalo Wire Works Co. (See Scheeler, John C., assignor.)
- Buffalow, Oscar T., Chattanooga, Tenn., and A. Hajos, Atlanta, Ga. Heating apparatus. 1,755,204; Apr. 22.
- Buffington, Calvin A., Berkshire, N. Y. Folding table. 1,776,346; Sept. 23.
- Buffum, Thomas B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for and method of testing cords. 1,785,690; Dec. 16.
- Buford, William J., assignor of fifty per cent to W. R. Jones, Houston, Tex. Snare. 1,763,921; June 17.
- Bugatti, Ettore, Molsheim, Bas-Rhin, France. Safety device for brakes. 1,744,748; Jan. 28.
- Bugbee, Charles L., Westmont, N. J., assignor of one-half to C. Stamper, Philadelphia, Pa. Double-throw switch. 1,778,209; Oct. 14.
- Bugbird, Herbert C., Richmond, N. Y. Absorbent material for explosives and resulting explosives. 1,779,530; Oct. 28.
- Bugbird, Herbert C., Richmond, N. Y. Preparing absorbents for liquid oxygen explosives and resulting absorbents and explosives. 1,781,214; Nov. 11.
- Bugg, John W., Columbus, Ga. Percolator and strainer. 1,767,915; June 24.
- Bugg, Kenly C., St. Louis, Mo. Striping device. 1,767,118; June 24.
- Bugh, Wallace W., North Tonawanda, N. Y. Vehicular traffic-signal switch. 1,748,439; Feb. 25.
- Bühler, Georg, Vienna, Austria. Compound mold for casting metal bodies. 1,784,174; Dec. 9.
- Buhler, Henry W., Gloucester, Mass. Trimming for automobiles, furniture, and the like. 1,775,668; Sept. 16.
- Buhman, Richard, Casper, Wyo. Compound for mixing with cements and making the same. 1,781,267; Nov. 11.
- Buhrle, Joseph H., Yukon, Pa. Toy. 1,765,258; June 17.
- Buhrke, Alfred E., River Forest, assignor to R. H. Buhrke Co., Chicago, Ill. Sole plate for golf clubs. 1,774,590; Sept. 2.
- Buhrke, R. H., Co. (See Buhrke, Alfred E., assignor.)
- Builders Iron Foundry. (See Kent, W. G., and Hovenden, assignors.)
- Builders' Patent Scaffolding Company. (See Kingston, Thomas H., assignor.)
- Builders Patent Scaffolding Company. (See Welt, Frank L.)
- Builders' Patent Scaffolding Company. (See Kingston, Frank G., assignor.)
- Buiten, William C., assignor of one-half to P. N. De Wit, Lansing, Ill., and one-half to F. N. De Wit. Table structure. 1,752,780; Apr. 1.
- Bujack, Herman C., Chicago, Ill. Sleeper tie. 1,767,575; June 24.
- Bukove, Frank, Raton, N. Mex. Valve gear. 1,746,141; Feb. 4.
- Bukow, Reinhold, Long Island City, assignor to Hardman, Peck & Co., New York, N. Y. Expression control. 1,742,341; Jan. 7.
- Bülck, Karl W., Neumunster, Germany. Wardrobe for halls. 1,745,402; Feb. 4.
- Bulger, Michael, Beaver Dam, Wis. Placard support. Des. 81,829; Aug. 19.
- Bulger, Michael B., Beaver Dam, Wis. Stock-watering bowl. 1,742,686; Jan. 7.
- Bulka, Michael N., Chicago, Ill. Astronomical clock. 1,750,505; Mar. 11.
- Bulkeley, Claude A., Kenmore, assignor to Niagara Blower Company, Buffalo, N. Y. Fan housing. 1,767,279; June 24.
- Bulkeley, Claude A., assignor to Niagara Blower Company, Buffalo, N. Y. Control for air conditioners. 1,770,765; July 15.
- Bulkeley, Claude A., Kenmore, N. Y. Device for eliminating the transmission of extraneous noises in telephone circuits. 1,779,461; Oct. 28.
- Bulkeley, Ralph W., Grand Rapids, Mich. Automobile top. 1,765,714; June 24.
- Bulkeley, Henry P., Oak Park, Ill. Twine holder. 1,781,364; Nov. 11.
- Bulkowski, Joseph, Chicago, Ill. Combined heating and cooking stove. 1,775,157; Sept. 9.
- Bulkowski, Joseph, Chicago, Ill. Mechanical toy. 1,781,804; Nov. 18.
- Bulkowski, Jozef, Chicago, Ill. Folding desk. 1,775,156; Sept. 9.
- Bull, Arthur A., Detroit, Mich. Air cleaner. 1,743,521; Jan. 14.
- Bull, Arthur A., Detroit, Mich. Air cleaner. 1,774,352; Aug. 26.
- Bull, Arthur A., assignor to Handy Governor Corporation, Detroit, Mich. Air cleaner. 1,743,522; Jan. 14.
- Bull, Arthur W., assignor to The Dorr Company, New York, N. Y. Defecation of sugar juice. 1,752,781; Apr. 1.
- Bull, Arthur W., Naugatuck, Conn., assignor to The Dorr Company, New York, N. Y. Manufacture of sugar. 1,755,165; Apr. 22.
- Bull, Arthur W., Naugatuck, Conn., assignor to The Dorr Company, New York, N. Y. Impeller agitator. 1,780,551; Nov. 4.
- Bull, Clinton H., assignor of one-half to C. C. Le May, Columbus, Ohio. Roller-cutter drill. 1,754,848; Apr. 15.
- Bull, Clinton H. M., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,762,504; June 10.
- Bull, Frederic, and F. White, Walsall, England. Non-skid device for the wheels of road vehicles. 1,780,864; Nov. 4.

- Bull, George E., Belle Vernon, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Bale-tie machine. 1,769,330; July 1.
- Bull, William F., New York, N. Y. Magazine pencil. 1,777,031; Sept. 30.
- Bull, William F., Brooklyn, N. Y. Shearing device. 1,777,032; Sept. 30.
- Bullard Company, The. (See Bullard, Dudley B., assignor.)
- Bullard Company, The. (See Bullard, Edward P., jr., assignor.)
- Bullard Company, The. (See Bullard, E. P., jr., and Kolb, assignors.)
- Bullard Company, The. (See Dunn, Thomas E., assignor.)
- Bullard, Dudley B., Southport, assignor to The Bullard Company, Bridgeport, Conn. Chuck. 1,786,147; Dec. 23.
- Bullard, Edward P., jr., Stratford, assignor to The Bullard Company, Bridgeport, Conn. Machine tool. 1,749,374; Mar. 4.
- Bullard, Edward P., jr., Stratford, assignor to The Bullard Company, Bridgeport, Conn. Station-type drilling and tapping machine. 1,786,148; Dec. 23.
- Bullard, Edward P., jr., Stratford, and G. F. Kolb, assignors to The Bullard Company, Bridgeport, Conn. Clutch. 1,780,222; Nov. 4.
- Bullard, Edward W., San Francisco, Calif. Safety hat. 1,776,249; Sept. 23.
- Bullard, Edward W., assignor to Pacific Safety Equipment Company, San Francisco, Calif. Safety hat. 1,770,376; July 15.
- Bullard, Washington I., Boston, Mass., assignor to E. H. Jacobs Mfg. Co., Inc., Danielson, Conn. Lug strap and method of making. 1,775,077; Sept. 2.
- Bull Dog Electric Products Company. (See Frank, Leon H., assignor.)
- Bulldog Electric Products Company. (See Frank, Harrison J. L., assignor.)
- Bullen, Benjamin W., New York, and F. J. Wallace, Au Sable Forks, assignors to Robeson Process Company, New York, N. Y. Electric cell. 1,773,445; Aug. 19.
- Bullen, John H. (See Roberts, Samuel S., assignor.)
- Buller, Charles M., assignor, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. Hanger for pipes. 1,773,474; Aug. 19.
- Bullinger Engine Heads. (See Bullington, Frank A., assignor.)
- Bullinger, Frederic H., Yonkers, N. Y., assignor to Ward Leonard Electric Company. Resistance unit. 1,759,184; May 20.
- Bullington Engine Heads. (See Bullington, Frank A., assignor.)
- Bullington, Frank A., Kansas City, Mo. Annular cylinder combustion engine. 1,778,182; Oct. 14.
- Bullington, Frank A., assignor to Bullington Engine Heads, Kansas City, Mo. Combustion-pressure-distributing means for internal-combustion engines. 1,758,686; May 13.
- Bullington, Frank A., assignor to Bullington Engine Heads, Kansas City, Mo. Engine combustion chamber. 1,782,395; Nov. 25.
- Bullock, Edward S., Lansdowne, Pa. Beetle trap. 1,786,599; Dec. 30.
- Bullock, Edward W., A. P. Schauseil, A. W. Draeseke, C. T. Galloway, and M. H. Hill, assignors to Gleason Works, Rochester, N. Y. Machine for producing gears. 1,786,697; Dec. 30.
- Bullock, Fred J., assignor to Papec Machine Company, Shortsville, N. Y. Pulverizing mill. 1,748,046; Feb. 18.
- Bullock, Fred J., assignor to Papec Machine Company, Shortsville, N. Y. Pulverizing mill. 1,785,435; Dec. 16.
- Bullock, Fred J., assignor to Papec Machine Company, Shortsville, N. Y. Feeding device for ensilage cutters and the like. 1,758,557; May 13.
- Bullock Garden Tool Company. (See Bullock, Orin M., assignor.)
- Bullock, Harvey L., Ardsley, N. Y. System for lubricating wheel flanges. 1,770,389; July 15.
- Bullock, Orin M., Oakland, Calif. Cultivator. Re17,837; Oct. 21.
- Bullock, Orin M., Oakland, Calif. Rake. 1,779,927; Oct. 28.
- Bullock, Orin M., Oakland, Calif., assignor to Bullock Garden Tool Company. Garden tool. 1,767,119; June 24.
- Bullough, Enoch, Ashton-in-Makerfield, England. Pit prop. 1,765,200; June 17.
- Bulman, William V., Philadelphia, Pa. Multiple diestock. 1,744,522; Jan. 21.
- Bulova, Adolph, assignor to Bulova Watch Company, Inc., New York, N. Y. Watch and golf score. 1,775,066; Sept. 2.
- Bulova, Joseph, assignor to Bulova Watch Company, Inc., New York, N. Y. Watch. 1,745,147; Jan. 28.
- Bulova Watch Company. (See Bulova, Adolph, assignor.)
- Bulova Watch Company. (See Bulova, Joseph, assignor.)
- Bultman, George H., and J. C. Horgan, St. Paul, Minn. Ironing board. 1,763,089; June 10.
- Bump, Lewis C., Brandon, Vt. Game. 1,784,818; Dec. 16.
- Bunbury, Hugh M. (See Shepherdson, A., Tatum, and Bunbury.)
- Bunce, Earl H., and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Reducing zinciferous materials. 1,749,126; Mar. 4.
- Bunce, Earl H., and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Reducing zinciferous materials containing lead. 1,749,127; Mar. 4.
- Bunce, John P., Greenford, England. Hopper, drier, and roaster. 1,757,616; May 6.
- Bunch, Lewis E., Pampa, Tex. Combined mixing and flow device. 1,785,670; Dec. 16.
- Bunch, Walter R., Los Angeles, Calif. Back filler. 1,783,941; Dec. 2.
- Bundy, Harry W., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich. Finned tube. 1,760,038; May 27.
- Bundy, Harry W., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich. Forming finned tube into shapes. 1,760,039; May 27.
- Bundy, Harry W., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich. Making finned tubing. 1,761,980; June 3.
- Bundy, Harry W., assignor by mesne assignments to Bundy Tubing Company, Detroit, Mich. Finned tube. 1,761,981; June 3.
- Bundy, Harry W., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich. Tubing. 1,763,755; June 17.
- Bundy, Harry W., assignor to Bundy Tubing Company, Detroit, Mich. Externally and internally finned tube and method therefor. 1,777,782; Oct. 7.
- Bundy, Harry W., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich. Tinning apparatus. 1,785,762; Dec. 23.
- Bundy, Harry W., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich. Condenser unit for mechanical refrigerators. 1,786,000; Dec. 23.
- Bundy, Samuel. (See Williamson, James R., assignor.)
- Bundy Tubing Company. (See Bundy, Harry W., assignor.)
- Bunet, Paul E., Versailles, assignor of one-half to Societe Acieries de Gennevilliers, Gennevilliers, Seine, France. Induction furnace. 1,743,956; Jan. 14.
- Bunet, Paul E., Versailles, assignor to Societe Acieries de Gennevilliers, Gennevilliers, Seine, France. Magnetic-core induction furnace. 1,760,741; May 27.
- Bungay, George W., Plainfield, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Producing tire molds. 1,776,145; Sept. 16.
- Bunge, Ralph W., Chicago, and P. Das, Oak Park, Ill., assignors, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Rotary blower and controlling operation of the same. 1,746,885; Feb. 11.
- Bunker, Charles A., assignor to Bunker-Clancey Manufacturing Company, Kansas City, Mo. Adjustable fixture for window-shade, curtain, and drapery supports. 1,751,126; Mar. 18.
- Bunker, Charles A., assignor to Bunker-Clancey Manufacturing Company, Kansas City, Mo. Adjustable support for clothes hangers or shade fixtures. 1,763,034; June 10.
- Bunker-Clancey Manufacturing Company. (See Bunker, Charles A., assignor.)
- Bunker, Herbert H., assignor to Kerlow Steel Floor Company, Jersey City, N. J. Floor grating. 1,749,902; Mar. 11.
- Bunker, Horace E., Plainfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,754,350; Apr. 15.
- Bunker, Kerney R., Kansas City, Mo., assignor to The Everedy Company, Frederick, Md. Bottle-capping machine. 1,766,773; June 24.
- Bunker, William G., Augusta, Me. Potato separator. 1,751,391; Mar. 18.
- Bunker, William G., Augusta, Me. Grader for vegetables, fruits, and the like. 1,760,742; May 27.
- Bunte Brothers. (See Coffey, John B., assignor.)
- Bunte Brothers. (See Oblander, Herbert, assignor.)
- Bunte Brothers. (See Westerfield, Brasher O., assignor.)
- Bunting Brass & Bronze Company, The. (See Yager, George F., assignor.)
- Buraux, Maurice A. E. (See Buraux, R. L. G., and Massu, assignors.)
- Buraux, René L. G., Le Pre-St-Gervais, and P. J. Massu, Paris, assignors of one-third to M. A. E. Buraux, Le Pre-St-Gervais, France. Manufacture of tubular cords or braids. 1,755,809; Apr. 22.
- Burbidge, Owen B. (See Peterson, H. L., and Burbidge.)
- Burbridge, Ned W. (See Hawkinson, E. E., and Burbridge.)
- Burch, Alfred E., Melbourne, Victoria, Australia. Appliance for vulcanizing covers of pneumatic tires. 1,751,392; Mar. 18.
- Burch Corporation, The. (See Kime, Charles G., assignor.)
- Burch, Donald D., Shawnee, Okla. Oil-well pump. Re-17,674; May 27.
- Burch, Donald D., near Earlsboro, Okla. Deep-well pump. 1,757,791; May 6.
- Burch, Eli F., Laurel Springs, N. J., assignor to Crew Levick Company, Philadelphia, Pa. Process and apparatus for dewaxing oils. 1,782,028; Nov. 18.
- Burch, Lyndon W. (See Parkhurst, Malcolm K., assignor.)
- Burch, Roy L., Montrose, Colo. Gate. 1,746,189; Feb. 4.
- Burchett, George W., Peekskill, assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustic device. 1,778,308; Oct. 14.

- Burchfield, William H., Oak Park, assignor to Dryden Rubber Company, Chicago, Ill. Shoe sole or similar article. Des. 81,915; Sept. 2.
- Burchfield, William H., Oak Park, assignor to Dryden Rubber Company, Chicago, Ill. Shoe sole or similar article. Des. 81,916; Sept. 2.
- Burchfield, William H., Oak Park, assignor to Dryden Rubber Company, Chicago, Ill. Shoe heel or similar article. Des. 81,917; Sept. 2.
- Burchfield, William H., Oak Park, assignor to Dryden Rubber Company, Chicago, Ill. Shoe heel or similar article. Des. 81,918; Sept. 2.
- Burchiel, Ernest R., Tacoma, Wash. Cooler. 1,761,610; June 3.
- Burd High Compression Ring Company. (See Bates, Albert H., assignor.)
- Burda, John L. (See Palmer, R. C., Burda, and Oliver.)
- Burden, Fred E., Moncton, New Brunswick, Canada. Biproximal tooth and interlocking key. 1,753,644; Apr. 8.
- Burden, William H., Weehawken, and R. E. Friedlein, Mountain View, N. J., assignors to American Lead Pencil Company, New York, N. Y. Apparatus for the manufacture of pencils. 1,783,997; Dec. 9.
- Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Intermittent thread-cutting temple. 1,758,882; May 13.
- Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Let-off mechanism for looms. 1,761,611; June 3.
- Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Outgoing thread-control for automatically-replenishing looms. 1,768,502; June 24.
- Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Loom stopping and let-back mechanism. 1,769,942; July 8.
- Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Selvage-trimming mechanism. 1,770,366; July 8.
- Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Intermittent thread-cutting loom temple. 1,775,084; Sept. 2.
- Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Thread-cutting jaw temple for looms. 1,776,229; Sept. 16.
- Burdette, Richard S., Akron, Ohio. Automobile steering gear. 1,760,935; June 3.
- Burdette, Richard S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Retreading tires. 1,746,763; Feb. 11.
- Burdette, Richard S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Wheel assembly. 1,763,576; June 10.
- Burdette, Richard S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire flap. 1,785,691; Dec. 16.
- Burdick, Charles L., London, England. Spraying apparatus. 1,748,440; Feb. 25.
- Burdick, Charles L., assignor to The Aerograph Company Limited, London, England. Spraying apparatus. 1,754,145; Apr. 8.
- Burdick Corporation, The. (See Anderson, Fritz A., assignor.)
- Burdick Corporation, The. (See Hudson, Walter, assignor.)
- Burdick Corporation, The. (See Maxson, Rolland H., assignor.)
- Burdick, Earl S., Milwaukee, L. P. Byrne, Portland, and F. W. Chausse, Salem, Oreg. Bottle-capping machine. 1,780,639; Nov. 4.
- Burdick, Howard K., Los Angeles, Calif. Combination manual and automatic circuit control. 1,745,735; Feb. 4.
- Burdick, Howard K., Los Angeles, Calif. Velocipede. 1,767,047; June 24.
- Burdick, Ralph H., Portland, Oreg. Comminuted-fuel burner. 1,748,106; Feb. 25.
- Burdick, Wayne E. (See Loeher, L. K., and Burdick.)
- Burdons Limited. (See Howden, William H., assignor.)
- Burdsall, Richard L., assignor to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y. Machine for assembling nuts. 1,783,218; Dec. 2.
- Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Portable crane. 1,782,406; Nov. 25.
- Burford, James C., Winston-Salem, N. C. Flange oiler. 1,765,202; June 17.
- Burg, Eugen, Essen, Germany. Fireplace. 1,762,505; June 10.
- Burgard, Louise C., Louisville, Ky. Dental casting machine. 1,757,991; May 13.
- Burger, Augustus T., Delano, Calif. Rotary fluid compressor. 1,786,893; Dec. 30.
- Burger, Erasmus J., and A. H. Carey, Napa, Calif. Pressure-applying tool. 1,758,781; May 13.
- Burger, Frederick W. (See Mogford, E. C., and Burger.)
- Burger, Frederick W. (See Stockfleth, B., and Burger.)
- Burger, Frederick W., Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich. Making cast-metal wheels. 1,765,754; June 24.
- Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Apparatus for making cast-metal wheels. 1,765,755; June 24.
- Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Die mechanism for sizing and testing metal-wheel spiders. 1,765,756; June 24.
- Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Die mechanism for constructing metallic wheels. 1,765,757; June 24.
- Burger, Joseph, Brooklyn, N. Y. Shoe-heel cover. Des. 82,925; Dec. 23.
- Burger, Joseph A., Hartville, Ohio. Angle-shearing machine. 1,775,448; Sept. 9.
- Burger, Walter D., Forest Park, Ill. Automatic tack hammer. 1,753,499; Apr. 8.
- Burger, William J., Shaker Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Indicating device. 1,758,427; May 13.
- Burgess, Abner E., assignor to Bahan Textile Machinery Company, Greenville, S. C. Loom temple. 1,778,290; Oct. 14.
- Burgess, Andrew O., Brooklyn, assignor to J. R. Wood & Sons, Inc., New York, N. Y. Ring. Des. 82,927; Dec. 30.
- Burgess, Andrew O., Brooklyn, assignor to J. R. Wood & Sons, Inc., New York, N. Y. Ring. Des. 82,928; Dec. 30.
- Burgess Battery Company. (See Henderson, Joseph M., assignor.)
- Burgess Battery Company. (See Lorig, Robert A., assignor.)
- Burgess Battery Company. (See Schulte, Walter B., assignor.)
- Burgess Battery Company. (See Staley, Wayne D., assignor.)
- Burgess Battery Company. (See Zook, John S., assignor.)
- Burgess Battery Co. (See Zurian, Philip D., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Burgess, Charles F., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Loomis, Ralph L., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Norris, Ralph F., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Schorger, Arlie W., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Shoemaker, Milton J., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Storey, O. W., and Kliefoth, assignors.)
- Burgess, C. F., Laboratories, Inc. (See Sullivan, Jerome J., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Weiss, Howard F., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Wyatt, Edwin M., assignor.)
- Burgess, Charles F., Bokeelia, Fla., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Apparatus for demonstrating sound-absorbing properties. 1,766,103; June 24.
- Burgess, Edward W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Floor or pavement and producing the same. 1,765,652; June 24.
- Burgess, Frank, Wollaston, Mass. Apparatus for gear grinding. 1,773,386; Aug. 19.
- Burgess, Frederick T., and C. W. Sewell, assignors of one-third to Bentley Motors Limited, Cricklewood, England. Brake for vehicles. 1,762,758; June 10.
- Burgess, Galusha A., Long Beach, Calif. Electric switch. 1,786,935; Dec. 30.
- Burgess, George A., Waukegan, assignor to Chicago Hardware Foundry Company, North Chicago, Ill. Pedal-operated switch. 1,760,683; May 27.
- Burgess, Ira W., Minden, W. Va. Electric switch. 1,783,903; Dec. 2.
- Burgess, Laurie L., Cambridge, Mass., assignor to Plastic, Inc., Keene, N. H. Producing compositions containing compounds of alginic acid and product thereof. 1,782,887; Nov. 25.
- Burgess, Louis, Jersey City, and H. E. Buc, Roselle, N. J., assignors to Standard Oil Development Company. Sulfonic compound and making the same. 1,767,344; June 24.
- Burgess, Norman W. (See Stamper, Harvey H., assignor.)
- Burgess-Parr Company. (See Fisher, James P., assignor.)
- Burgess-Parr Company. (See Parr, Samuel W., assignor.)
- Burgess, William. (See Bailey, M. I., and Burgess.)
- Burggraf, Rhoda B., Kansas City, Mo. Signaling device. 1,768,884; July 1.
- Burgher, Clarence L., New York, N. Y. Heating inclosures electrically. Re17,857; Nov. 11.
- Bürgin, Ernest, and W. Schmid, Rheinfelden, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Continuous production of fused caustic alkalis. 1,786,516; Dec. 30.
- Burgin, Kermit H., Whitestown, and L. Noblitt, Indianapolis, Ind. Universal automobile fan. 1,777,514; Oct. 7.
- Burgmann, Carl F., Chicago, Ill. Valve construction. 1,746,927; Feb. 11.
- Burgmann, Carl F., Chicago, Ill. Valve. 1,763,951; June 17.
- Burgmann, Robert, Dresden, Germany. Packing or tightening plate. 1,781,365; Nov. 11.
- Burgoyne, William J. (See Cordy, H. J., and Burgoyne.)
- Burgster, Nathan G., Chicago, Ill. Eliminating static electricity from combustible roofs. 1,767,275; June 24.
- Burguières, Denis P. J., Louisa, La. Ripening sugar cane. 1,746,190; Feb. 4.
- Burhans, James A., and R. W. Clark, Tulsa, Okla. Toilet article. 1,778,243; Oct. 14.

- Burk, Isaac, New York, N. Y. Supporting stand for garment forms. 1,772,240; Aug. 5.
- Burkard, Walter E., Connersville, Ind. Pie pan. 1,771,374; July 22.
- Burkart, Joseph A., Albany, N. Y. Collapsible wheel chuck. 1,746,415; Feb. 11.
- Burkas, Hans, Tubingen, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Circuit breaker for ignition installations of internal-combustion engines. 1,783,495; Dec. 2.
- Burke, Caroline A., Chicago, Ill. Lamp base. Des. 81,624; July 22.
- Burke, Caroline A., Chicago, Ill. Lamp base. Des. 81,625; July 22.
- Burke, Caroline A., Chicago, Ill. Lamp base. Des. 81,626; July 22.
- Burke, Charles E. (See Henning, C. I. B., Burke, and Reid.)
- Burke, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of ketone-formaldehyde condensation products. 1,755,099; Apr. 15.
- Burke, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pentaerythrite ethers and preparing them. 1,774,500; Sept. 2.
- Burke, David F., Manchester-by-the-Sea, Mass. Collar support. 1,766,596; June 24.
- Burke, David S., Cleveland, Ohio. Oil can. 1,778,291; Oct. 14.
- Burke, Edmund, Portland, Me., assignor to Brown Company, Berlin, N. H. Installing an underground conduit system. 1,744,102; Jan. 21.
- Burke, Edmund, Portland, Me., assignor to Brown Company, Berlin, N. H. Wire guard. 1,765,823; June 24.
- Burke Electric Company. (See Burke, James, assignor.)
- Burke, Elmer H. (See Ryan, G. F., and Burke.)
- Burke, Henry P. (See Vetterlein, Henry M., assignor.)
- Burke, Horace B., New Orleans, La. Moisture-eliminating ventilator. 1,748,863; Feb. 25.
- Burke, James, Erie, Pa., assignor to Burke Electric Company. Ventilating system. 1,750,458; Mar. 11.
- Burke, James G. (See Gibson, W. A., and Burke.)
- Burke, James P., Newark, assignor to Mack Molding Company, Little Falls, N. J. Container cap. Des. 80,408; Jan. 28.
- Burke, Paul, assignor to Northwest Engineering Corporation, Green Bay, Wis. Power control for excavators. 1,756,051; Apr. 29.
- Burke, Paul, assignor to Northwest Engineering Corporation, Green Bay, Wis. Power shovel. 1,767,576; June 24.
- Burke, Robert J. (See Ferguson, A. W., and Burke.)
- Burke, Robert J., assignor to Lincoln Scale Corporation, Latrobe, Pa. Rack-rod assembly for scales. 1,783,826; Dec. 2.
- Burke, Thomas F., Brooklyn, N. Y. Controlling apparatus for electric motors. 1,743,523; Jan. 14.
- Burke, Thomas J., New Orleans, La. Life and vessel saving equipment. 1,742,687; Jan. 7.
- Burke, Thomas J., New Orleans, La. Salvaging equipment. 1,771,205; July 22.
- Burke, Wilbur B., assignor to The Electric Vulcanizing Rubber Company, Cleveland, Ohio. Tire-repairing unit and process. 1,778,183; Oct. 14.
- Burke, William E., Minneapolis, Minn. Electric house number and auto number. 1,761,868; June 3.
- Burke, William E., Trona, Calif., assignor to American Potash & Chemical Corporation, New York, N. Y. Crystallization process. 1,787,356; Dec. 30.
- Burke, William J., Bronx, N. Y. Fire-alarm switch. 1,759,887; May 27.
- Burke, William R. (See Bossert, W. F., and Burke.)
- Burkett, Wyatt T., Tusculumbia, and G. W. Humphries, Sheffield, Ala. Sanitary commode. 1,743,079; Jan. 7.
- Burkey, Harvey M., Plainfield, and D. L. Ogden, Woodbridge, N. J., assignors to American Metal Company, Ltd., New York, N. Y. Recovery of metallic elements and alloys. 1,785,247; Dec. 16.
- Burkhardt, Charles F., Washington, D. C. Culinary utensil. 1,762,257; June 10.
- Burkhardt, Conrad C. C. (See Glaenger, H., and Burkhardt.)
- Burkhardt, Conrad C. C., Philadelphia, Pa. Locomotive frame. 1,747,102; Feb. 11.
- Burkhardt, Conrad C. C., Philadelphia, Pa. Cooling system for internal-combustion locomotives. 1,752,230; Mar. 25.
- Burkhardt, Conrad C. C., Philadelphia, and W. H. Pearson, Manoa, Pa. Internal-combustion locomotive. 1,748,829; Feb. 25.
- Burkhardt, Georg W., Dusseldorf-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Lubricating steam turbines. 1,778,447; Oct. 14.
- Burkhardt, Gottlob, Herrenalb, Germany, assignor to J. M. and J. F. Burkhardt and L. Nicholson, Buffalo, N. Y. Water-tube boiler and the like. 1,743,111; Jan. 14.
- Burkhardt, Gottlob, Herrenalb, Germany, assignor to J. M. and J. F. Burkhardt and L. Nicholson, Buffalo, N. Y. Boiler. 1,743,112; Jan. 14.
- Burkhardt, Jacob, Detroit, Mich., assignor to Third Dimension Pictures, Inc., New York, N. Y. Moving-picture film and method of making. 1,785,336; Dec. 16.
- Burkhardt, Jakob, Detroit, Mich., assignor to Third Dimension Pictures, Inc., New York, N. Y. Motion-picture film and method of producing. 1,771,029; July 22.
- Burkhardt, John F., et al. (See Burkhardt, Gottlob, assignor.)
- Burkhardt, Julius M., et al. (See Burkhardt, Gottlob, assignor.)
- Burkhardt, Thomas E., Detroit, Mich. Fused quartz valve. 1,762,088; June 3.
- Burkhart, Clarence T., Chambersburg, Pa. Page turner. 1,775,551; Sept. 9.
- Burkhart, Henry W., Knoxville, Tenn. Mulcher. 1,747,753; Feb. 18.
- Burkhart, William and F. H. Petersen, Denver, Colo. Tool holder for metal-working machines. 1,779,059; Oct. 21.
- Burkhartzmeyer, Jacob J., Rochester, N. Y. Plant and flower support. 1,750,387; Mar. 11.
- Burkholder, John C., jr., East Orange, N. J. assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Volume-control system. 1,762,759; June 10.
- Burkholder, John D., Harrisonburg, Va. Switch. 1,744,029; Jan. 21.
- Burkholder, Noah N., Ephrata, Pa. Baling press. 1,769,331; July 1.
- Burkley, Clement J., and E. G. Kimmich, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Endless belt and making it. 1,747,856; Feb. 18.
- Burkley, Clement J., and E. G. Kimmich, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Template for assembling strips of tire-chain material. 1,781,651; Nov. 11.
- Burks, Lawrence C., and J. A. Buchheit, Uniontown, Pa. Protector for mining tools. 1,769,174; July 1.
- Burks, William E., Kerryville, Tex. Aeroplane. 1,754,737; Apr. 15.
- Burl, Ernst, Zurich, Switzerland. Printing stuff and printing method. 1,777,033; Sept. 30.
- Burlectas Limited. (See Enock, Arthur G., assignor.)
- Burleigh, James K., Hastings-upon-Hudson, N. Y. Can closure. 1,753,500; Apr. 8.
- Burleigh, James K., Hastings upon Hudson, N. Y. Indicator. 1,772,703; Aug. 12.
- Burlew, Gilderoy O., Newark, N. J. Toothbrush. 1,770,195; July 8.
- Burlin, Adolph L., London, England. Treatment of waste spun or woven textile material. 1,781,317; Nov. 11.
- Burlmann, Adolph W., Monut Vernon, N. Y. Treating textiles of cellulose fiber. 1,786,421; Dec. 30.
- Burmah Oil Company, The. (See Allan, H. L., and Moore, assignors.)
- Burmeister, Hans, Berlin, Germany, assignor to Pyrene-Minimax Corporation. Apparatus for producing foam for fire-extinguishing purposes. 1,749,411; Mar. 4.
- Burmeister, Hans, Berlin, Germany, assignor to Pyrene-Minimax Corporation. Apparatus for producing foam for fire-extinguishing purposes. 1,761,179; June 3.
- Burmeister, Hans, Berlin, Germany, assignor to Pyrene-Minimax Corporation. Fire-fighting apparatus. 1,762,089; June 3.
- Burmeister, Hans, Berlin, Germany, assignor to Pyrene-Minimax Corporation. Device for distributing foam for fire-extinguishing purposes. 1,780,168; Nov. 4.
- Burmester, Ernst, Burg, near Bremen, and H. Hein, Bremen, assignors to Yacht- und Bootswerft Burmester m. b. H., Burg, near Bremen, Germany. Boat. 1,750,773; Mar. 18.
- Burmester, Ernst, Burg, near Bremen, and H. Hein, Bremen, assignors to Yacht- und Bootswerft Burmester m. b. H., Burg, near Bremen, Germany. Boat. 1,755,724; Apr. 22.
- Burn, John F., deceased, London, and J. S. Lancaster, Leamington, England; W. D. Forster and T. A. Forster, executors. Supplying liquid to drums of concrete or other mixing machines. 1,767,430; June 24.
- Burn, John F., Westminster, London, and J. Lancaster, Leamington Spa; said Lancaster assignor to Winget Limited, Winget House Grosvenor Gardens, Westminster, London, S. W. 1, England. Mixing machine. 1,758,732; May 13.
- Burn, Lewis, Longparish, England. Reversing gear. 1,760,040; May 27.
- Burn, Walter S., Hartlepool, England. Nozzle for engines working with airless fuel injection. 1,759,297; May 20.
- Burnand, Ernest, Paris, France. Plate spring. 1,782,286; Nov. 18.
- Burnelli, Vincent J., New York, N. Y., assignor to The Uppercu-Burnelli Corporation. Airplane. 1,747,695; Feb. 18.
- Burnelli, Vincent J., New York, N. Y., assignor to The Uppercu-Burnelli Corporation. Retractable wheel for the pontoons of amphibian airplanes. 1,747,696; Feb. 18.
- Burnelli, Vincent J., New York, N. Y., assignor to The Uppercu-Burnelli Corporation. Airplane. 1,774,470; Aug. 26.
- Burnelli, Vincent J., New York, N. Y., assignor to The Uppercu-Burnelli Corporation. Launching torpedoes from single-pontoon seaplanes. 1,774,471; Aug. 26.
- Burnelli, Vincent J., New York, N. Y., assignor to The Uppercu-Burnelli Corporation. Cooling means for airplane engines. 1,774,472; Aug. 26.
- Burnelli, Vincent J., New York, N. Y., assignor to The Uppercu-Burnelli Corporation. Airplane empennage construction. 1,774,473; Aug. 26.

- Burnelli, Vincent J., New York, N. Y., assignor to The Upperco-Burnelli Corporation. Airfoil control means. 1,774,474; Aug. 26.
- Burnelli, Vincent J., New York, N. Y., assignor to The Upperco-Burnelli Corporation. Retractable landing gear. 1,780,811; Nov. 4.
- Burnelli, Vincent J., New York, N. Y., assignor to The Upperco-Burnelli Corporation. Airfoil and fuselage connection. 1,780,812; Nov. 4.
- Burnelli, Vincent J., New York, N. Y., assignor to The Upperco-Burnelli Corporation. Airplane. 1,780,813; Nov. 4.
- Burnelli, Vincent J., Lincoln, Nebr.; assignor to R. B. Patent Corporation, New York, N. Y. Airplane. 1,758,498; May 13.
- Burnelli, Vincent J., assignor to The Upperco-Burnelli Corporation. Aircraft. 1,780,993; Nov. 11.
- Burnengo, Giuseppe, Genoa, Italy. Regulating transformer. 1,762,008; June 3.
- Burner, William L., Koppel, assignor, by mesne assignments, to Pressed Steel Car Company, Pittsburgh, Pa. Dump car. 1,757,038; May 6.
- Burnes, Whitley T., Memphis, Tenn. Cane or similar article. Des. 80,357; Jan. 21.
- Burnett, Clarence H., Crothersville, Ind. Belt buckle. 1,752,414; Apr. 1.
- Burnett, Elizabeth M. A., executrix. (See Burnett, John.)
- Burnett, Ira A., Chicago, Ill. Toothbrush holder. 1,770,478; July 15.
- Burnett, James E., Beardstown, Ill. Wire reel. 1,756,782; Apr. 29.
- Burnett, Jamesina H., Fort William, Ontario, Canada. Registering device for sponges and the like. 1,779,874; Oct. 28.
- Burnett, John, deceased, Ludlow, Ky.; E. M. A. Burnett, executrix. Electrical panel board. 1,744,209; Jan. 21.
- Burnett, Richard A., Wilmington, N. C. Road-smoothing machine. 1,755,631; Apr. 22.
- Burnett, Richard W., Chicago, Ill. Hand brake for railway tank cars. 1,778,752; Oct. 21.
- Burnett, Robert N., et al. (See Latimer, Paul D., assignor.)
- Burnett, Tom G., Social Hill, Ark. Riveting machine. 1,760,743; May 27.
- Burnett, Waldo B. (See Williams, I. and Burnett.)
- Burnett, Waldo B., and I. Williams, Pittsburgh, Pa., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Aldehyde amine condensation product. 1,780,334; Nov. 4.
- Burnett, William, jr., Marion, assignor to Modern Coal Burner Co., Chicago, Ill. Portable electric lamp. 1,780,779; Nov. 4.
- Burney, Charles D., Westminster, London, assignor to Airship Guarantee Company Limited, London, England. Berthing airships. 1,749,065; Mar. 4.
- Burney, Charles D., Westminster, and A. L. Bird, Cambridge, assignors to Airship Guarantee Company, Limited, Westminster, England. Lighter-than-air aircraft. 1,768,541; July 1.
- Burney, Charles D., B. N. Wallis, and J. E. Temple, Westminster, London, assignors to Airship Guarantee Company, Limited, Westminster, England. Rigid airship. 1,758,143; May 13.
- Burney, Charles D., B. N. Wallis, N. S. Norway, and J. E. Temple, Westminster, London, assignors to Airship Guarantee Company, Limited, London, England. Rigid airship. 1,781,100; Nov. 11.
- Burnham, Chester W., assignor to Oneida Community, Limited, Oneida, N. Y. Receptacle for silverware. 1,753,878; Apr. 8.
- Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric high-tension switching system and apparatus. 1,748,060; Feb. 25.
- Burnham, George A., Saugus, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and expansible casing therefor. 1,769,051; July 1.
- Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Insulating bushing. 1,769,175; July 1.
- Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Distribution and overload protective system. 1,774,417; Aug. 26.
- Burnham, George A., Saugus, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Insulator. 1,777,071; Sept. 30.
- Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch. 1,777,072; Sept. 30.
- Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Insulating bushing. 1,777,073; Sept. 30.
- Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Circuit interrupter. 1,783,279; Dec. 2.
- Burnham, Locke H., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,742,985; Jan. 7.
- Burnham Manufacturing Company. (See Chattin, Robert C., assignor.)
- Burningham, Foster A., and H. K. Moore, Berlin, N. H., assignors, by mesne assignments, to Old Colony Trust Company, Trustee, Boston, Mass. Specific-gravity indicator. Re17,728; July 15.
- Burnley, William B., Los Angeles, Calif. Street-marking apparatus. 1,764,546; June 17.
- Burns, Alfred, assignor to West Boylston Manufacturing Company, Easthampton, Mass. Making printed fabrics. 1,761,005; June 3.
- Burns, Alfred P. (See Heald, R. N., Guild, Burns, and Garno.)
- Burns Bottling Machine Works, Inc. (See Burns, William L., assignor.)
- Burns Dental Casting Machine Company. (See Phillips, John A., assignor.)
- Burns, Erwin. (See Baimbridge, A. C., Burns, and Alexander.)
- Burns, Frank. (See Garth, H., Longbottom, Burns, and Just.)
- Burns, Frank, Gulfport, and T. J. Desporte, Biloxi, Miss. Automatic crab-catching device. 1,777,783; Oct. 7.
- Burns, Frank H., Hoosick Falls, N. Y. Utensil handle. 1,747,660; Feb. 18.
- Burns, Gerald G. (See Marx, John F., assignor.)
- Burns, Gertrude, New York, N. Y. Abdominal belt. 1,753,739; Apr. 8.
- Burns, Harley E., Chicago, Ill. Self-locking nut. 1,740,081; Aug. 26.
- Burns, Harley E., Columbus, Ohio. Forming lock nuts. 1,753,597; Apr. 8.
- Burns, Jabez, & Sons, Inc. (See Kopf, Joseph L., assignor.)
- Burns, James J., Detroit, Mich. Railway-track construction. 1,765,565; June 24.
- Burns, John, Newton Hyde, England. Bottle-filling apparatus. 1,769,285; July 1.
- Burns, Leonard C., Portland, Oreg. Expansible piston. 1,760,581; May 27.
- Burns, Louis J., Nutley, and L. E. Coon, Chatham, N. J., assignors, by mesne assignments, to Western Electric Company, Incorporated. Selector supervisory system. 1,763,879; June 17.
- Burns, Milton P. (See Kelly, W. J. Burns, and Barr.)
- Burns, Robert J., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Edge-scouring machine. 1,773,343; Aug. 19.
- Burns, Onslow R., Chicago, Ill. Toy vehicle frame. 1,787,034; Dec. 30.
- Burns, Oscar, Corsicana, Tex. Holder for price tags. 1,743,266; Jan. 14.
- Burns, Robert, Toronto, Ontario, Canada. Wreath holder. Des. 81,049; Apr. 29.
- Burns, Robert C. (See Thomas, T. H., and Burns.)
- Burns, Walter W. (See Mott, George E., assignor.)
- Burns, Wilford E., Burlingame, assignor to M. J. B. Co., San Francisco, Calif. Can. 1,747,618; Feb. 18.
- Burns, William, Glasgow, Scotland. Lateral splash guard for road vehicles. 1,780,640; Nov. 4.
- Burns, William A., London, England. Sign. 1,769,824; July 1.
- Burns, William A., assignor to Luna Advertising Company Limited, London, England. Advertising sign. 1,744,360; Jan. 21.
- Burns, William C., Endicott, N. Y. Metatarsal half sole. 1,776,750; Sept. 23.
- Burns, William D., Amenia, N. Y. Roller bearing. 1,753,691; Apr. 8.
- Burns, William L., assignor to Burns Bottling Works, Inc., Baltimore, Md. Bottle carrier. 1,758,928; May 20.
- Burns, William T., Dallas, Tex. Ventilating and preserving cigars. 1,778,482; Oct. 14.
- Burns, William W., Baltimore, Md. Burglarproof safe. 1,765,049; June 17.
- Burns, Willis T., Plainfield, N. J. Cathode-loading machine. 1,776,617; Sept. 23.
- Burnside, Harlow D. (See Burrows, R. J., and Burnside.)
- Burnstad, Sigurd H., Round Hill, Alberta, Canada. Combined road builder, ditcher, and brush breaker. 1,755,467; Apr. 22.
- Buron, Harry A. (See Stevenson, E. P., and Buron.)
- Burr, Gordon A. (See MacDonald, H. G., Mateer, and Burr.)
- Burrage, Albert E. (See Sharman, H. B., and Burrage.)
- Burrell, Benjamin S., East Chicago, Ind. Lubricating connectors. 1,782,337; Nov. 18.
- Burrell, D. H., & Co. (See Feldmeier, H., and Dalzell, assignors.)
- Burrell, Edward P., assignor, by mesne assignments, to The Guardian Trust Company, Cleveland, Ohio. Apparatus for cutting materials. 1,786,698; Dec. 30.
- Burrell, Edward P., assignor, by mesne assignments, to The Guardian Trust Company, Cleveland, Ohio. Apparatus for cutting materials. 1,786,699; Dec. 30.
- Burrell, Edward P., Shaker Heights, and N. C. Hunt, Salem, assignors to The Rotor Air Tool Company, Cleveland, Ohio. Surfacing unit. 1,758,647; May 13.
- Burrell, William, Amarillo, Tex. Burglar alarm. 1,754,305; Apr. 15.
- Burrell, William C., Kankakee, Ill. Partition strip for concrete. 1,742,688; Jan. 7.
- Burright, Charles L., and M. J. Snyder, Campbell, Calif. Water filter. 1,752,060; Mar. 25.
- Burrough, Willard L., et al. (See Tibbetts, Robert M., assignor.)
- Burroughs Adding Machine Company. (See Bindschedler, Theodore S., assignor.)

- Burroughs Adding Machine Company. (See Bindschedler, T. S., and Koster, assignors.)
- Burroughs Adding Machine Company. (See Horton, Allen A., assignor.)
- Burroughs Adding Machine Company. (See Horton, A. A., and Marti, assignors.)
- Burroughs Adding Machine Company. (See Lafferty, Arthur R., assignor.)
- Burroughs Adding Machine Company. (See Lafferty, A. R., and Turner, assignors.)
- Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)
- Burroughs Adding Machine Company. (See Pasinski, Walter J., assignor.)
- Burroughs Adding Machine Company. (See Racz, Ernest, assignor.)
- Burroughs Adding Machine Company. (See Trew, Arthur S., assignor.)
- Burroughs, Charles W., Montreal, Quebec, Canada. Steam generator. 1,747,421; Feb. 18.
- Burroughs, James A., St. Clair, Mich. Water-power wheel. 1,780,901; Nov. 11.
- Burroughs, Joseph N. (See Warner, Willard, assignor.)
- Burroughs, William C., Guilford, Conn. Lamp. Des. 81,774; Aug. 12.
- Burrowes, E. T., Company, The. (See Corporon, George J., assignor.)
- Burrowes, E. T., Company, The. (See Gale, Harry L., assignor.)
- Burrowes, Gilbert C., Toronto, Ontario, Canada, assignor to The Corcoran Manufacturing Company, Cincinnati, Ohio. Ash sifter. Des. 82,017; Sept. 16.
- Burrows, Clarence D., Peoria, Ill., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,768,885; July 1.
- Burrows, Eastman A., assignor to T. D. Huff, Chicago, Ill. Display apparatus. 1,757,764; May 6.
- Burrows, Edwin N., Royal Oak, Mich. Bucket carrier. 1,744,103; Jan. 21.
- Burrows, Robert J., assignor to Clark Tractor Company, Buchanan, Mich. Automobile lift truck. 1,782,865; Nov. 25.
- Burrows, Robert J., Buchanan, and H. D. Burnside, Battle Creek, assignors to Clark Tractor Company, Buchanan, Mich. Dumping truck. 1,786,560; Dec. 30.
- Burry, Walter H., El Cajon, Calif. Wave power plant. 1,767,048; June 24.
- Burson, Joel J., Mineral Wells, Tex. Chicken coop. 1,761,325; June 3.
- Burson Knitting Company. (See Parker, William S., assignor.)
- Burson Knitting Company. (See Rolston, Walter F., assignor.)
- Burson, Wilson W., Rockford, Ill. Knitting machine. 1,747,464; Feb. 18.
- Burt, Benjamin F., Rochester, N. Y. Forming soft-metal bars. 1,776,103; Sept. 16.
- Burt, E. J., et al. (See Schoenberger, John P., assignor.)
- Burt, F. N., Company. (See Carle, Harold, assignor.)
- Burt, F. N., Company Limited. (See Darrin, Marc, assignor.)
- Burt, Henry C., Laingsburg, assignor of one-half to C. W. Lee, Detroit, Mich. Calking ring. 1,764,675; June 17.
- Burt, Henry J., Jr., Wheaton, Ill. Building material. 1,767,168; June 24.
- Burt, Isaac E. (See Bergren, Julius, assignor.)
- Burt, John P. (See Locher, C. H., and Burt.)
- Burt, Lauren D. (See Kohl, Aaron W., assignor.)
- Burt, Lawrence G., Tulsa, Okla. Long-stroke pumping jack. 1,752,144; Mar. 25.
- Burt Machine Company. (See Wild, Charles H., assignor.)
- Burt, Robert C., Pasadena, Calif., assignor to California Institute of Technology. Photo-electric cell and producing the same. 1,776,993; Sept. 30.
- Burt, Romial, Montreal, Quebec, Canada. Oven. 1,785,763; Dec. 23.
- Burtchaeil, Roy, Newark, N. J. Sanitary nursing-bottle cap. 1,749,313; Mar. 4.
- Burtis, William H., Minneapolis, and M. S. Howard, Hastings, Minn. Glare shield device for automobiles. 1,765,566; June 24.
- Burnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal-combustion engine. 1,745,343; Jan. 28.
- Burnett, Everett R., Pasadena, Calif. Engine clutch-control-actuated speed-change mechanism for transmission gearing. 1,780,460; Nov. 4.
- Burnett, Everett R., Santa Rosa, Calif. Internal-combustion engine. 1,764,147; June 17.
- Burnett, Everett R., Santa Rosa, Calif. Internal-combustion engine. 1,786,287; Dec. 23.
- Burton, Charles G., Salem, Ohio. Water-closet attachment. 1,752,782; Apr. 1.
- Burton, Charles S., Oak Park, Ill. Vacuum-operated pumping device. 1,747,575; Feb. 18.
- Burton, Charles S., Oak Park, Ill. Vacuum tank. 1,772,535; Aug. 12.
- Burton, Charles S., Oak Park, Ill. Fuel-feeding device. 1,783,374; Dec. 2.
- Burton, Charles S., Oak Park, Ill. Vacuum tank. 1,784,129; Dec. 9.
- Burton, Charles S., Oak Park, Ill. Vacuum tank. 1,784,130; Dec. 9.
- Burton, Charles S., Oak Park, Ill. Vacuum-operated fuel-feeding apparatus. 1,786,700; Dec. 30.
- Burton, Charles S., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Rebound check for vehicles. 1,756,052; Apr. 29.
- Burton, Charles S., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Limited-pressure feed device. 1,775,506; Sept. 9.
- Burton-Dixie Corporation. (See Pearce, Charles F., jr., assignor.)
- Burton, Everett T., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,763,880; June 17.
- Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeating device. 1,778,377; Oct. 14.
- Burton, Frank C., assignor to Grisby-Grunow Company, Chicago, Ill. Radiocabinet. Des. 80,931; Apr. 8.
- Burton, Frank F., Mount Carmel, assignor to Winchester Repeating Arms Company, New Haven, Conn. Barrel stop for breakdown firearms. 1,785,764; Dec. 23.
- Burton, Frank F., Mount Carmel, assignor to Winchester Repeating Arms Company, New Haven, Conn. Multiple-barrel firearm. 1,785,765; Dec. 23.
- Burton, John S., Glens Falls, N. Y. Lock miter joint. 1,769,915; July 8.
- Burton, Ralph B., assignor of one-half to L. G. S. Devices Corporation, Indianapolis, Ind. Safety stop for vehicles. 1,749,066; Mar. 4.
- Burton, Ralph J., Detroit, Mich. Combined spotlight and hinge structure. 1,764,605; June 17.
- Burton & Rogers Manufacturing Company. (See Sutherland, Lorne R., assignor.)
- Burton, Warren D. (See Page, C. B., and Burton.)
- Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Emulsions from partially oxidized petroleum wax and making the same. 1,768,523; June 24.
- Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Shellac-like product and making the same. 1,770,875; July 15.
- Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Artificial shellac and making the same. 1,770,876; July 15.
- Burzi, Harry, New York, N. Y. Spool rack. 1,768,030; June 24.
- Busbee, Edgar B. (See Wyly, Henry F., jr., assignor.)
- Busby, Harper A., Indianapolis, Ind. Sash holder. 1,770,249; July 8.
- Busby, Junius E., Jackson, assignor of one-half to T. A. Gabbard, Oakdale, Ky. Combined track level and gauge. 1,751,393; Mar. 18.
- Busby, Junius E., Jackson, assignor of one-half to M. Deaton, Chavies, Ky. Prevent battering of new rails. 1,755,911; Apr. 22.
- Busby, Robert S., West Palm Beach, Fla., assignor of one-half to R. R. McMahon, Columbus, Ohio. Ventilator for buildings. 1,766,876; June 24.
- Buscaglia, Charles G. (See Brunner, Matthew J., assignor.)
- Busch, A. G. (See Criner, Harry J., assignor.)
- Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Side bearing for railway cars. 1,761,815; June 3.
- Busch, Herman F., Millvale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Friction surface. 1,786,190; Dec. 23.
- Büsching, Willi, Halle-Saale, Germany. Denitration of waste acid mixtures. 1,755,768; Apr. 22.
- Buschmann, Oskar. (See Kanning, W., and Buschmann.)
- Buschor, Frank M., and L. E. Hierholzer, Celina, Ohio. Toy. 1,769,488; July 1.
- Busch-Sulzer Bros.-Diesel Engine Company. (See Hawks, Arthur S., assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Kägli, Emil, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Schaer, Charles, assignor.)
- Buse, Otto H., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Production of granular substances. 1,773,257; Aug. 19.
- Busenbark, William R., Akron, Ohio. Frame for license plates. 1,752,883; Apr. 1.
- Buser, Frederick W., Washington, D. C. Plant extractor. 1,745,292; Jan. 28.
- Bussey, Herbert S., Providence, assignor to American Electrical Works, Phillipsdale, R. I. Chuck for spooling or reeling machines. 1,785,248; Dec. 16.
- Bush, George G., Newington, assignor to Union Manufacturing Company, New Britain, Conn. Chuck. 1,772,203; Aug. 5.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-truck construction. 1,745,736; Feb. 4.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 1,752,728; Apr. 1.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 1,758,350; May 13.
- Bush, Sergins K., Canton, Ohio. Price tag. 1,764,003; June 17.
- Bush, Sidney J. (See Henry, Arthur J., assignor.)
- Bush, Vannevar, Chelsea, Mass., assignor, by mesne assignments, to Powel Crosley, jr., Cincinnati, Ohio. Thermionic tube. 1,756,481; Apr. 29.

- Bush, Vannevar, West Medford, assignor to Raytheon, Inc., Cambridge, Mass. Constant-potential apparatus. 1,756,628; Apr. 29.
- Bush, Wilfred E., et al. (See Christy, Arley B., assignor.)
- Bushemi, Anthony J., Carnegie, Pa. Check protector. 1,761,102; June 3.
- Bushey, Donald H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder. 1,777,348; Oct. 7.
- Bushey, Ernest H. (See Bushey, William and E. H.)
- Bushey, Joseph S., Los Angeles, Calif. Adjusting cambers in automobile wheels. 1,761,516; June 3.
- Bushey, William and E. H., Plattsburg, N. Y. Combined window-shade, curtain, and drapery support. 1,768,187; June 24.
- Bushman, Frank, and R. McFarlane, Brandon, Manitoba, Canada. Gas burner and ventilator. 1,757,898; May 6.
- Bushnell, Burdge O., assignor to Union Oil Company of California, Los Angeles, Calif. Ladder for floating roof tanks. 1,754,384; Apr. 15.
- Bushnell, Charles S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Train control. 1,748,909; Feb. 25.
- Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,757,410; May 6.
- Bushnell, Charles S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Instrument casing for train-control systems. 1,766,597; June 24.
- Bushnell, Charles S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system. 1,767,578; June 24.
- Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete elevating and distributing apparatus. 1,754,815; Apr. 15.
- Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Erecting masts. 1,758,389; May 13.
- Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete elevating and distributing apparatus. 1,767,431; June 24.
- Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Loading device for concrete mixers. 1,783,532; Dec. 2.
- Bushnell, Porter K., Berkeley, Calif. Egg beater. 1,742,230; Jan. 7.
- Bushner, William F. A., Miami, Fla., assignor, by mesne assignments, to Outboard Motors Corporation. Outboard motor. 1,762,957; June 10.
- Bushong, Neva A., Lagrange, Ind. Device for encouraging dental correction. 1,756,482; Apr. 29.
- Busiek, William A., Belleville, Ill. Range. 1,756,179; Apr. 29.
- Busiek, William A., Belleville, Ill. Hinge. 1,767,049; June 24.
- Business Systems Limited. (See Smith, Walter H., assignor.)
- Businger, Otto K., Lucerne, Switzerland. Appliance for treating scalps. 1,744,443; Jan. 21.
- Busque, Charles S., Brooklyn, N. Y. Gas-engine construction. 1,773,387; Aug. 19.
- Buss, August, Detroit, Mich. Air-relief device. 1,749,128; Mar. 4.
- Buss, William D., assignor to The Hammond Manufacturing Company, Cleveland, Ohio. Machine for setting threaded devices. 1,754,978; Apr. 15.
- Buss, William D., assignor to The Hammond Manufacturing Company, Cleveland, Ohio. Clutch mechanism for setting threaded articles. 1,762,155; June 10.
- Bussard, Emmery J. H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Vacuum-tube circuits. 1,767,508; June 24.
- Bussard, Emmery J. H., and C. E. Kilgour, assignors to The Crosley Radio Corporation, Cincinnati, Ohio. Variable condenser. 1,767,509; June 24.
- Busse, Edwin G. (See Rissler, A. P., and Busse.)
- Busse, Edwin G., Chicago, Ill., and W. Janus, Webster Groves, Mo., assignors to Chicago Railway Equipment Company, Chicago, Ill. Supplemental support for brake beams. 1,754,385; Apr. 15.
- Busse, Herbert R., Seattle, Wash. Indoor portable practice putting green. 1,784,863; Dec. 16.
- Bussiére, Francois M., La Vareune, St. Hilaire, France. Liquid-level indicator for vehicles. 1,774,127; Aug. 26.
- Bussmann, Henry T., St. Louis, Mo. Electric fuse. 1,770,196; July 8.
- Bussmann, Henry T., St. Louis, Mo. Electric fuse and making same. 1,774,252; Aug. 26.
- Bussmann, Wilhelm, Munich, Germany. Combined high and low pressure pump. 1,770,297; July 8.
- Bussy, Alfred, assignor to Compagnie Francaise des Machines-Outils de Précision, Paris, France. Machine tool. 1,765,203; June 17.
- Bustamante, Cesar, New York, N. Y. Picture toy. 1,750,991; Mar. 18.
- Bustin, Lepold, New York, N. Y., and F. Pravda, Dunellen, N. J. Occupant-propelled carrousel. 1,760,811; May 27.
- Butchart, William A., Joplin, Mo. Flotation apparatus. 1,748,107; Feb. 25.
- Butcher, Charles A., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sectionalizing switch. 1,744,210; Jan. 21.
- Butcher, Charles A., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective system. 1,761,006; June 3.
- Butcher, George C., Parkersburg, W. Va. Poultry killer. 1,783,699; Dec. 2.
- Butcher, John H. (See Young, A. P., and Butcher.)
- Butcher Polish Co., The. (See Butcher, William L., assignor.)
- Butcher, William L., Newton, assignor to The Butcher Polish Co., Boston, Mass. Combination wax distributor and polisher. 1,766,774; June 24.
- Butenkoff, George S., Detroit, Mich. Torsional vibration eliminator. 1,758,274; May 13.
- Butler, Arthur C., Boston, Mass. Drawing mechanism. 1,766,877; June 24.
- Butler, Arthur G., Hempstead, and G. A. Page, jr., Freeport, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc. Emergency dump valve. 1,771,743; July 29.
- Butler, Charles R., Indianapolis, Ind. Piston. 1,757,169; May 6.
- Butler, Charles H. (See McFarland, James S., assignor.)
- Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Grease-gun casing. Des. 82,725; Dec. 9.
- Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Lubricating apparatus. 1,752,270; Mar. 25.
- Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Grease bucket. 1,754,874; Apr. 15.
- Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Lubricator. 1,780,115; Oct. 28.
- Butler, Clyde G., and F. C. Woelfer, jr., assignors to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Grease cup. 1,784,573; Dec. 9.
- Butler, George F., and E. Frome; said Butler assignor of one-fourth to G. F. Butler, Racine, Wis. Refrigerator. 1,777,714; Oct. 7.
- Butler, George H., assignor to Nadic, Ltd., Los Angeles, Calif. Casing for combined weighing and insurance-vending machines. Des. 81,227; May 27.
- Butler, Gertrude F. (See Butler, G. F., and Frome.)
- Butler, Glenn F., assignor of forty-nine one-hundredths to C. L. Haman, Detroit, Mich. Drain-tile band. 1,747,500; Feb. 18.
- Butler, Glenn F., and C. L. Haman, Detroit, Mich. Drain-tile band. 1,747,501; Feb. 18.
- Butler, Harold P., New York, N. Y. Liquefied rubber composition and making the same. 1,746,142; Feb. 4.
- Butler, Harry, Kansas City, Kans. Bracket light or similar article. Des. 81,919; Sept. 2.
- Butler, Henry E., Scotia, N. Y., assignor to General Electric Company. Film cut-out. 1,752,258; Mar. 25.
- Butler, Henry E., Scotia, N. Y., assignor to General Electric Company. Film cut-out. 1,752,259; Mar. 25.
- Butler, Henry E., Scotia, N. Y., assignor to General Electric Company. Lamp fixture. 1,778,061; Oct. 14.
- Butler, Henry E., Scotia, N. Y., assignor to General Electric Company. Film cut-out. 1,784,656; Dec. 9.
- Butler, Henry R., Scotia, N. Y., assignor to General Electric Company. Coupling circuits. 1,755,865; Apr. 22.
- Butler, Howard, Four Oaks, England. Electric measuring instrument. 1,753,043; Apr. 1.
- Butler, John W., McKeesport, Pa. Underground fire extinguisher. 1,756,582; Apr. 29.
- Butler, Leland K., Manchester, N. H., assignor, by mesne assignments, to Excel Taping Machine Co., Lynn, Mass. Tape-applying machine. 1,782,562; Nov. 25.
- Butler, Leland K., Manchester, N. H., assignor, by mesne assignments, to Excel Taping Machine Co., Lynn, Mass. Tape-applying apparatus. 1,787,138; Dec. 30.
- Butler, Louis, Inglewood, New Zealand. Hay-sweeping means. 1,773,446; Aug. 19.
- Butler Manufacturing Company. (See Fahlstrom, John G., assignor.)
- Butler Manufacturing Company. (See Nelson, J., and Gadbois, assignors.)
- Butler, Robert S., assignor to Southwestern Engineering Corp., Los Angeles, Calif. Filter apparatus. 1,780,905; Nov. 11.
- Butler, Willard J., Cincinnati, Ohio. Program device for player musical instruments and program strip therefor. 1,783,375; Dec. 2.
- Butler, William E., Easton, Pa. Electric speed governor. 1,755,313; Apr. 22.
- Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Method of and machine for lining can ends. 1,746,416; Feb. 11.
- Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Salt-filling machine. 1,753,548; Apr. 8.
- Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Filling machine. 1,773,946; Aug. 26.
- Butlin, Hilton B., Lapeer, Mich. Wrench. 1,786,701; Dec. 30.
- Buttenheim, Harold S., Brooklyn, N. Y. Cleaner for shoe linings. 1,785,512; Dec. 16.
- Butterfield, Charles S., Martinez, Calif. Window fastener. 1,779,658; Oct. 28.

- Butterick, Naason Z., Miami, Fla. Accelerator control. 1,765,050; July 17.
- Butters, Thomas E., La Crescenta, Calif. Recording speed indicator. 1,766,741; June 24.
- Butterworth, De Haven, Philadelphia, Pa., assignor to H. W. Butterworth & Sons Company. Treating carpets and rugs. 1,777,393; Oct. 7.
- Butterworth, Harry W., jr., Philadelphia, Pa., and A. H. Molt, Gloucester, N. J., assignors to H. W. Butterworth & Sons Company. Cloth clamp. 1,775,507; Sept. 9.
- Butterworth, H. W., & Sons Company. (See Butterworth, De Haven, assignor.)
- Butterworth, H. W. & Sons Company. (See Butterworth, H. W., and Molt, assignors.)
- Butterworth, H. W., & Sons Company. (See France, Thomas W., assignor.)
- Buttner, William C., assignor to The Bastian-Blessing Company, Chicago, Ill. Air cleaner. 1,755,423; Apr. 22.
- Buttolph, Leroy J., Grantwood, N. J., assignor to General Electric Vapor Lamp Company. Mercury-vapor lamp and apparatus. 1,764,148; June 17.
- Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Rectifier circuit. 1,778,416; Oct. 14.
- Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gas or vapor discharge device. 1,778,417; Oct. 14.
- Button, Cyrus L., Kane, Pa. Lumberman's log grab. 1,751,905; Mar. 25.
- Button, George W., Corporation. (See Sierad, Albert E., assignor.)
- Button, George W., Corporation. (See Sierad, Milton, assignor.)
- Buttress, George A., assignor to F. and B. Holding Company, Los Angeles, Calif. Sheet lath. 1,753,598; Apr. 8.
- Butz, Charles H., assignor to The Denver Fire Clay Company, Denver, Colo. Fireproof arch. 1,772,797; Aug. 12.
- Butz, Edward D., Palisade, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,778,378; Oct. 4.
- Butz, Walter D., Norristown, Pa. Stocking. Des. 82,792; Dec. 16.
- Butz, Walter D., Norristown, Pa. Stocking. Des. 82,793; Dec. 16.
- Butz, Walter D., Norristown, Pa. Stocking. Des. 82,794; Dec. 16.
- Butz, Walter D., Norristown, Pa. Stocking. Des. 82,795; Dec. 16.
- Butz, Walter D., Norristown, Pa. Stocking. Des. 82,796; Dec. 16.
- Butz, Walter D., Norristown, Pa. Making fashioned hosiery. 1,777,910; Oct. 7.
- Butz, Walter D., Norristown, assignor of one-half to L. N. D. Williams, Elkins Park, Pa. Stocking. 1,752,587; Apr. 1.
- Butzen, Joseph, Cicero, Ill. Appliance for boots and shoes. 1,746,069; Feb. 4.
- Butzen, Thomas F., and T. C. Olson, Madison, Wis. Piston. 1,767,169; June 24.
- Butzke, Gustav, Schenectady, N. Y., assignor to General Electric Company. Adapter for vacuum-tube sockets. 1,778,062; Oct. 14.
- Butzman, Lester E., assignor to The H. B. Manufacturing Company, Cleveland, Ohio. Combined rack and bumper for automobiles. 1,747,422; Feb. 18.
- Butzow, Henry G., Sycamore, Ill. Temperature-control means for refrigerators. 1,768,886; July 1.
- Buxbaum, Joseph, Brooklyn, N. Y. Knockdown window screen. 1,755,866; Apr. 22.
- Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 1,778,448; Oct. 14.
- Buys, Orville, Pittsburgh, Pa. Movably-supported meter. 1,763,217; June 10.
- Buyse, Charles E., assignor to Industrial Heating Equipment Company, Detroit, Mich. Furnace. 1,742,646; Jan. 7.
- Buyse, Charles E., assignor to Industrial Heating Equipment Company, Detroit, Mich. Apparatus for heat treating articles. 1,744,949; Jan. 28.
- Buzard, Samuel, and W. Flaharty, McCune, Kans. Double hitch. 1,777,687; Oct. 7.
- Buzza, George E., Minneapolis, Minn. Printer's chase and composing stick. 1,763,090; June 10.
- Buzzo, John, New York, N. Y. Self-loading vehicle. 1,780,064; Oct. 28.
- Buzzone, Girolamo, Upper Darby, Pa. Radiator shell. Des. 81,958; Sept. 9.
- Byars, George W., Lexington, N. C. Window screen. 1,780,461; Nov. 4.
- Byberg, Jonas J., Silverton, Oreg. Magnetic key for opening shoe-polish boxes. 1,769,415; July 1.
- Byck, Sylvan M., Savannah, Ga. Light. 1,764,930; June 17.
- Byerlein, Arthur A., Detroit, Mich., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Drawing press. 1,768,503; June 24.
- Byerlein, Arthur A., Detroit, Mich., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Press. 1,768,504; June 24.
- Byer-Rolnick Company. (See Rolnick, Harry, assignor.)
- Byers, Dwight, Cleveland, Ohio; Thos. S. Henderson, administrator. Testing leakage through insulated joints. 1,765,715; June 24.
- Byers, Harry J., Beaumont, Tex. Traveling block. 1,771,484; July 29.
- Byers, John A. (See Clow, K. S., and Byers.)
- Byers Machine Company. (See Lotte, Charles H., assignor.)
- Byington, James A., Orlando, Fla. Box-car brace. 1,781,318; Nov. 11.
- Byington, James A., Orlando, Fla. Fruit-grading table. 1,783,700; Dec. 2.
- Byrd, Arthur E., assignor to Phoenix Hosiery Company, Milwaukee, Wis. Machine for dyeing yarn and the like. 1,770,910; July 22.
- Byrd, Britton E., Gastonia, N. C. Doorcheck. 1,766,011; June 24.
- Byrd, Britton E., assignor to Mill Devices Company, Inc., Gastonia, N. C. Knotter. 1,787,102; Dec. 30.
- Byrd, Guy W., Raleigh, assignor of one-third to E. W. Insoe, La Grange, N. C. Shoe horn and buttoner. 1,766,374; June 24.
- Byrider, William, et al. (See Denmead, Perry T., assignor.)
- Byrne, Lewis P. (See Burdick, E. S., Byrne, and Chausse.)
- Byrne Manufacturing Company, The. (See Dillhoefer, Henry M., assignor.)
- Byrne, Thomas W., Dorchester, Mass. Golf-practice apparatus. 1,777,034; Sept. 30.
- Byrnes, Clarence P., trustee. (See James, Joseph H., assignor.)
- Byrnes, Clarence P., Sewickley, assignor to Window Glass Machine Company, Pittsburgh, Pa. Method and apparatus for the manufacture of sheet glass. 1,786,892; Dec. 30.
- Byrnes, Irving F., Schenectady, N. Y., assignor to General Electric Company. Oscillation generator. 1,771,375; July 22.
- Byrnes, Irving F., Schenectady, N. Y., assignor to General Electric Company. High-frequency signaling system. 1,771,376; July 22.
- Byrnes, John J., Chicago, Ill. Water heater. 1,743,188; Jan. 14.
- Byron, Charles L., Chicago, Ill., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Lubricating means. 1,781,493; Nov. 11.
- Byron Jackson Co. (See Grant, John, assignor.)
- Byron Jackson Co. (See Holdaway, Hall H., assignor.)
- Byron Jackson Co. (See Smith, Nelson K., assignor.)
- Byron Jackson Co. (See Woods, Walter T., assignor.)
- Byron Jackson Pump Co. (See Hollander, Aladar, assignor.)
- Byron, James B., Long Beach, Calif. Fishing tool. 1,767,741; June 24.
- Byron, Jerome P., assignor, by mesne assignments, to Excel Taping Machine Co., Lynn, Mass. Tape-applying machine. 1,782,563; Nov. 25.
- Byrum, James R., R. V. Russell, and A. Meeks, assignors to The American Rolling Mill Company, Middletown, Ohio. Roll-polishing device. 1,786,820; Dec. 30.
- Bysshe, Ernest T., and R. R. Finn, assignors to Jones & Lamson Machine Company, Springfield, Vt. Screw-cutting die. 1,766,598; June 24.
- Bythway, Edward M., Swansea, Wales. Linkwork for reciprocating engines and the like. 1,768,436; June 24.
- Byworth, Cecil Assur, & Company. (See Friedlander Cecil A., assignor.)
- C and C Developing Company. (See Cherry, Louis B., assignor.)
- C & C Developing Company. (See Rowland, Herbert R., assignor.)
- C. & C. Engineering Company. (See Carrey, John O., assignor.)
- C. L. W. Patents Corporation. (See Wagner, Charles L., assignor.)
- C. N. K. Transmission Corp. (See Christie, H. E., and Couse, assignors.)
- C-O-Two Fire Equipment Company. (See Allen, S. E., and Wiswell, assignors.)
- C-S Engineering Company. (See Schellens, Eugene L., assignor.)
- C-S Engineering Company. (See Schellens, E. L., and Coffin, assignors.)
- C-S Engineering Company. (See Schellens, Christopher A. and E. L., assignors.)
- Cable Company, The. (See Hagey, James C., assignor.)
- Cable, Frank T. (See Nibbs, E., and Cable.)
- Cabot, Godfrey L., Inc. (See Hardy, Arthur C., assignor.)
- Cabot, Walter K., Montclair, N. J., assignor to American Can Company, New York, N. Y. Can-making machinery and apparatus. 1,784,131; Dec. 9.
- Cabrera, Alfred B., assignor to G. A. Youngdahl, Chicago, Ill. Kites. 1,781,662; Nov. 11.
- Cabrera, Charles T., Philadelphia, Pa., assignor to Electro-Dialyzer Corporation. Separation process and apparatus. 1,743,524; Jan. 14.
- Cabrera, Charles T., Philadelphia, Pa., assignor to Diluent Corporation. Separation apparatus. 1,774,504; Sept. 2.
- Cabrera, Charles T., assignor to Electro Dialyzer Corporation, New York, N. Y. Filtering medium. 1,743,525; Jan. 14.
- Cabrera, Charles T., assignor to Electro Dialyzer Corporation, New York, N. Y. Filtration apparatus. 1,754,667; Apr. 15.
- Cabrera, Charles T., assignor to Electric Dialyzer Corporation, New York, N. Y. Filtration process and apparatus. 1,776,883; Sept. 30.

- Cabrera, Charles T., assignor to Electric Dialyzer Corporation, New York, N. Y. Filtration system. 1,784,132; Dec. 9.
- Cadden, Charles C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making hose couplings. 1,778,244; Oct. 14.
- Cade, Arthur R., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Preparing ethyl esters. 1,781,050; Nov. 11.
- Cadell, John F., Rutledge, Pa., assignor to Victor Talking Machine Company. Condenser. 1,742,231; Jan. 7.
- Cadenbach, Christian A., assignor to Independent Die & Supply Co., St. Louis, Mo. Stilt-anvil die for shoe cut-outs. 1,772,455; Aug. 12.
- Cadgène, Ernest. (See Rivat, G., Cadgène, and Dreyfus.)
- Cadgène, Ernest, Englewood Cliffs, N. J. Method and apparatus for dyeing fabrics. 1,773,169; Aug. 19.
- Cadioux, Joseph O., Meriden, Conn., assignor, by mesne assignments, to Connecticut Telephone & Electric Corporation, Meriden, Conn. Telephone. Re17,751; July 29.
- Cadioux, Joseph O., Meriden, Conn. Electrical patting instrument. Des. 81,522; July 8.
- Cadioux, Joseph O., assignor, by mesne assignments, to Connecticut Telephone & Electric Corporation, Meriden, Conn. Electric signal switch. 1,755,167; Apr. 22.
- Cadioux, Joseph O., assignor, by mesne assignments, to Connecticut Telephone & Electric Corporation, Meriden, Conn. Telephone-instrument signaling. 1,771,324; July 22.
- Cadioux, Joseph O., assignor, by mesne assignments, to Connecticut Telephone & Electric Company, Inc., Meriden, Conn. Telephone-instrument switching. 1,782,806; Nov. 25.
- Cadman, Addi B., Beloit, Wis., assignor to Warner Mfg. Co., South Beloit, Ill. Trailer vehicle. 1,755,100; Apr. 15.
- Cadman, Addi B., Beloit, Wis., assignor, by mesne assignments, to Warner Electric Brake Corporation, South Beloit, Ill. Trailer vehicle. 1,761,816; June 3.
- Cadman, Addi B., Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Magnet construction. 1,762,544; June 10.
- Cadman, Addi B., Beloit, Wis., assignor, by mesne assignments, to Warner Electric Brake Corporation, South Beloit, Ill. Vehicle brake. 1,772,855; Aug. 12.
- Cadman, Addi B., and A. C. Warner, Beloit, Wis., assignors to Warner Electric Brake Corporation, South Beloit, Ill. Vehicle brake. 1,777,290; Oct. 7.
- Cadman, Addi B., Beloit, Wis., assignor to Warner Mfg. Co., South Beloit, Ill. Trailer vehicle. 1,782,115; Nov. 18.
- Cadman, Addi B., Beloit, Wis., assignor to Warner Mfg. Co., South Beloit, Ill. Trailer vehicle. 1,782,116; Nov. 18.
- Cadman, Ralph W., Pittsburgh, Pa. Degasification of liquids. 1,749,561; Mar. 4.
- Cadolle, Marcel, Paris, France. Bust bodice. 1,786,895; Dec. 30.
- Cadoret, Louis A., Pawtucket, R. I. Metal bobbin. 1,772,204; Aug. 5.
- Cadwallader, Brooke W., Los Angeles, Calif. Expansion and shrinkage take-up in block and plank flooring. 1,756,583; Apr. 29.
- Cadwallader, Clyde T., Buffalo, N. Y. Dry closet. 1,764,149; June 17.
- Cadwallader, Converse B., Chicago, Ill., assignor to American Can Company, New York, N. Y. Pail. 1,754,456; Apr. 15.
- Cadwallader, Converse B., Chicago, Ill., assignor to American Can Company, New York, N. Y. Container. 1,773,947; Aug. 26.
- Cadwallader, John, assignor to The Monarch Manufacturing Company, Tiffin, Ohio. Weed cutter. 1,780,741; Nov. 4.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Triphenyl methyl esters of dialkyl carbamic acids and preparing the same. 1,775,985; Sept. 16.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and product obtained. 1,777,874; Oct. 7.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company. Vulcanizing rubber and products obtained thereby. 1,777,960; Oct. 7.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and product obtained thereby. 1,778,707; Oct. 14.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and product obtained thereby. 1,778,708; Oct. 14.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and product obtained thereby. 1,778,709; Oct. 14.
- Cadwell, Walter W., La Grange, Ga. Vending machine. 1,765,259; June 17.
- Cady, Charles P., Canastota, N. Y. Internal-combustion engine. 1,786,423; Dec. 30.
- Cady, Hilda H., Saranac Lake, N. Y. Hair waver. 1,783,108; Nov. 25.
- Cady, Walter G., Middletown, Conn., assignor to Radio Corporation of America. Regulating the frequency of alternating-current generators. 1,742,752; Jan. 7.
- Cady, Walter G., Middletown, Conn., assignor to Radio Corporation of America. Electromechanical system. 1,781,680; Nov. 18.
- Cady, Walter G., Middletown, Conn., assignor to Radio Corporation of America. Mounting piezo-electric resonators for the excitation of various overtones. 1,782,117; Nov. 18.
- Cady, Walter H., Beowawe, Nev., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Coating and surfacing prepared roofing. 1,755,049; Apr. 15.
- Caffrey, James F. (See Stalder, Merle D., assignor.)
- Cafiero, Michael J., Brooklyn, N. Y. Parallel tap or similar article. Des. 82,369; Oct. 28.
- Cafiero, Michael J., Brooklyn, N. Y. Insulating bushing. 1,778,714; Oct. 21.
- Cage, John M., Los Angeles, Calif., assignor of one-half to O. O. Howard, Rockport, Mass. Lightning protection. 1,743,526; Jan. 14.
- Cage, John M., Los Angeles, Calif., assignor, by mesne assignments, to Dehydrators Incorporated. Dehydration of oil and water emulsions. 1,754,009; Apr. 8.
- Cahall, George W., Philadelphia, Pa. Artist's easel. 1,782,118; Nov. 18.
- Cahen, Alfred, Cleveland Heights, Ohio. Bookbinding machine. 1,770,731; July 15.
- Cahill, Elizabeth, New York, N. Y. Safety carrier. 1,766,599; June 24.
- Cahill, Gerald, Lowell, Mass. Heat-interchange apparatus. 1,745,978; Feb. 4.
- Cahill, Hugh S., et al. (See Love, Thomas, assignor.)
- Cahill, Thaddeus, New York, N. Y. Type-composing machine and other similar instrument. 1,775,222; Sept. 9.
- Cahn, Leon J., assignor to Noma Electric Corporation, New York, N. Y. Fuse plug. Re17,713; June 24.
- Cahoon, Edward E., assignor to Racine Confectioners' Machinery Company, Racine, Wis. Chocolate-molding machine. 1,783,402; Dec. 2.
- Cahow, Ervin, Hollywood, Calif. Water heater. 1,745,206; Jan. 28.
- Calazzo, Ralph, Brooklyn, N. Y. Cigar punch. Des. 82,134; Sept. 30.
- Caillaud, René F. H., St. Maurice, assignor to Societe Anonyme Des Etablissements Luteran, Paris, France. Knife-edge bearing. 1,786,424; Dec. 30.
- Caille Motor Company. (See Knupp, Harry E., assignor.)
- Cain, James W., Detroit, Mich. Combined rear, tail, and stop light. 1,772,337; Aug. 5.
- Cain, John J., Bayonne, N. J. Boiler construction. 1,746,240; Feb. 11.
- Cain, John J., Bayonne, N. J. Making metal barrels and the like. 1,758,929; May 20.
- Cain, John R., Washington, D. C., assignor to The Richardson Company, Lockland, Ohio. Annealing. 1,784,221; Dec. 9.
- Cain, John R., Washington, D. C., assignor to The Richardson Company, Lockland, Ohio. Forming iron foils. 1,787,139; Dec. 30.
- Cairncross, James C., Nashua, Mont. Pump head. 1,774,418; Aug. 26.
- Cairncross, James C., Nashua, Mont. Double-acting pump. 1,777,195; Sept. 30.
- Cairncross, James C., Nashua, Mont. Double-acting pump. 1,778,063; Oct. 14.
- Cairns Development Company. (See Carns, Edmund B., assignor.)
- Calcagni, Victoria, assignor to G. Mauriello, Worcester, Mass. Ice-cream cone. Des. 82,018; Sept. 16.
- Calco Chemical Company, The. (See Battegay, Martin, assignor.)
- Calco Chemical Company, The. (See Sleeper, Robert R., assignor.)
- Calco Chemical Company, The. (See Sumner, Richard E., assignor.)
- Calcott, William S., and W. A. Douglass, Penns Grove, N. J., and M. A. Dahlen, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounding rubber. 1,778,548; Oct. 14.
- Calcott, William S., and W. A. Douglass, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Retarding the deterioration of rubber. 1,787,064; Dec. 30.
- Calcott, William S., and W. A. Douglass, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Retarding the deterioration of rubber. 1,787,065; Dec. 30.
- Calcott, William S., Penns Grove, N. J., and I. E. Lee, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Solvent inhibitor for the acid treatment of metals. 1,785,513; Dec. 16.
- Calcott, William S., and H. W. Walker, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Noncorrosive alcoholic solution. 1,752,145; Mar. 25.
- Calcott, William S., Penns Grove, N. J., and H. W. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Noncorrosive alcoholic solution. 1,754,457; Apr. 15.
- Calcott, William S., Penns Grove, N. J., and H. W. Walker, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Noncorrosive alcoholic solution. 1,771,985; Aug. 5.
- Calder, William A. S., Ravensthorpe, Harborne, and W. H. Palmer, Smethwick, Birmingham, England. Gas scrubber. 1,752,260; Mar. 25.

- Calderazzo, Dominick J., Brooklyn, N. Y. Building wall, material, and making same. 1,743,527; Jan. 14.
- Calderwood, Hugh A., Pittsburgh, Pa., assignor to National Electric Products Corporation. Outlet-box connection. 1,722,241; Aug. 5.
- Calderwood, Hugh A., Pittsburgh, Pa., assignor to National Electric Products Corporation, New York, N. Y. Armored-cable clamp. 1,773,572; Aug. 19.
- Caldor, Earl S., New York, N. Y. Bust supporter. 1,765,003; June 17.
- Caldwell, Charles A., Dallas, Tex. Sealing device for cocks. 1,780,994; Nov. 11.
- Caldwell Experimental Corporation. (See Caldwell, Henry C., assignor.)
- Caldwell, Frank B., Oak Park, assignor to Link-Belt Company, Chicago, Ill. Pivoted external counterweight. 1,768,825; July 1.
- Caldwell, Frank W., Dayton, Ohio. Cooling fan. 1,757,292; May 6.
- Caldwell, Frank W., Dayton, Ohio, assignor to The Hamilton Standard Propeller Corporation, West Homestead, Pa. Propeller for airplanes and dirigible balloons. 1,763,218; June 10.
- Caldwell, Frank W., Dayton, Ohio, assignor, by mesne assignments, to The Hamilton Standard Propeller Corporation, West Homestead, Pa. Propeller. 1,769,767; July 1.
- Caldwell, Harry J., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Gearing. 1,763,645; June 17.
- Caldwell, Henry C., assignor to Caldwell Experimental Corporation, Buffalo, N. Y. Pilot-light burner. 1,743,912; Jan. 14.
- Caldwell, John H., Twin Falls, Idaho. Link mat. 1,750,388; Mar. 11.
- Caldwell, John R., assignor to The General Fireproofing Company, Youngstown, Ohio. Indicator for drawers. 1,768,113; June 24.
- Caldwell, Johnston E. (See Schubert, J. L., and Caldwell.)
- Caldwell, Leslie M., Rockford, Ill. Window construction. 1,747,576; Feb. 18.
- Caldwell, William F., Hot Springs, Ark. Odorless and flyproof dry closet. 1,774,962; Sept. 2.
- Caldwell, William R., Keyser, W. Va. Fluid-power wheel. 1,787,103; Dec. 30.
- Calhoon, Tilmon J., Franklin, Ill. Quickly attaching and detaching tractor-wheel cleats or lugs. 1,784,958; Dec. 16.
- Calhoun, Guy K., Los Angeles, assignor to C. F. Braun & Co., Alhambra, Calif. Water-distributing system for cooling towers. 1,770,657; July 15.
- Calhoun, Julian C. (See Thomas, Valery C., assignor.)
- California Canning Machinery Co. (See Wilcox, George, assignor.)
- California Cedar Products Company. (See Chichester, O. F., and Sylva, assignors.)
- California Cedar Products Company. (See Sylva, John L., assignor.)
- California Concrete Products Co. (See Sorensen, Claude S., assignor.)
- California Consolidated Water Co. (See Wolfe, Richard C., assignor.)
- California Corrugated Culvert Company. (See Chambers, Jack B., assignor.)
- California Corrugated Culvert Co. (See Gladkov, Vladimir, assignor.)
- California Corrugated Culvert Company. (See Hand, Augustin J., assignor.)
- California Crushed Fruit Corporation. (See Crosby, Harry E., assignor.)
- California Cyanide Company. (See Dolley, Paul T., assignor.)
- California Institute of Technology. (See Burt, Robert C., assignor.)
- California Institute of Technology. (See Millikan, R. A., and Sorensen, assignors.)
- California Institute of Technology. (See Smythe, William R., assignor.)
- California Institute of Technology et al. (See Sorensen, R. W., and Barre, assignors.)
- California Packing Corporation. (See Ash, Charles S., assignor.)
- California Packing Corporation. (See Goranson, H., and David, assignors.)
- California Packing Corporation. (See Goranson, H., David, and Youman, assignors.)
- California Packing Corporation. (See Muller, Wesley A., assignor.)
- California Peach & Fig Growers Association. (See Tyler, J. G., Taylor, and Johnson, assignors.)
- Calkins, Claude C., Spokane, Wash. Shoe bearing. 1,781,157; Nov. 11.
- Calkins, Ernest, and A. Nielsen, Brighton, Colo. Cultivator tool. 1,758,217; May 13.
- Calkins, Frederic A., Waterbury, Conn. Direction-signal-operating switch. 1,747,697; Feb. 18.
- Calkins, William G., assignor to Chrysler Corporation, Detroit, Mich. Valve tappet. 1,748,703; Feb. 25.
- Calkins, William G., assignor to Chrysler Corporation, Detroit, Mich. Piston. 1,778,064; Oct. 14.
- Call, George R., Sioux City, Iowa. Vehicle traffic signal. 1,752,289; Apr. 1.
- Call, Isaac S., Savannah, Ga. Filing cabinet. 1,773,300; Aug. 19.
- Call, Joseph C., Bancroft, Idaho. Mechanical movement. 1,774,501; Sept. 2.
- Callaghan, Martin A., Burlingame, Calif. Partition construction. 1,785,826; Dec. 23.
- Callaghan, Mary G. (See Morgan, Joseph L., assignor.)
- Callahan, Charles F., assignor to Callahan Cotton Harvester Inc., Memphis, Tenn. Cotton harvester. 1,763,646; June 17.
- Callahan, Clendon W., Lynchburg, Va. Curtain spreader. 1,746,143; Feb. 4.
- Callahan Cotton Harvester Inc. (See Callahan, Charles F., assignor.)
- Callahan, George C. (See Howerton, E. C., and Berglin, assignors.)
- Callahan, George F., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Mercury switch. 1,762,213; June 10.
- Callahan, James P., et al. (See Nee, Daniel J., assignor.)
- Callahan, John M. (See Drumm, H. C., and Callahan.)
- Callahan, Michael J., New York, N. Y. Inlet and recirculating damper for heating and ventilating units. 1,747,158; Feb. 18.
- Callahan, Michael J., New York, N. Y. Radiator. 1,747,159; Feb. 18.
- Callahan, Michael J., New York, N. Y. Low-down heating and ventilating unit. 1,754,260; Apr. 15.
- Callahan, Michael J., New York, N. Y. Concealed unit for heating and ventilating. 1,782,711; Nov. 25.
- Callas, Bill, Helper, Utah. Blasting-cap protector. 1,776,487; Sept. 23.
- Callaway, Robert M., Waco, Tex. Outlet construction. 1,785,766; Dec. 23.
- Calle, Eugene F., Brooklyn, N. Y. Game. 1,754,738; Apr. 15.
- Callen, Peter E., Toronto, Ontario, Canada. Head number for horses. 1,782,193; Nov. 18.
- Callender, Clarence E., Evanston, Ill., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,743,315; Jan. 14.
- Callender's Cable & Construction Company. (See Kiblewhite, Curtis, assignor.)
- Callier, Raymond E., New York, N. Y. Apparatus and method for ventilating automobile bodies. 1,742,753; Jan. 7.
- Calleson, Edgar A., Merrick, assignor to Drinkolette Sales Corporation, New York, N. Y. Drink-dispensing apparatus. 1,776,539; Sept. 23.
- Callier, Frank J., San Antonio, Tex. Tailpiece for stringed musical instruments. 1,757,170; May 6.
- Callier, Frank J., San Antonio, Tex. Tailpiece for stringed musical instruments. 1,760,343; May 27.
- Callier, Frank J., San Antonio, Tex. String-fastening device for musical instruments. 1,764,548; June 17.
- Callis, D. M., et al. (See Carter, Samuel C., assignor.)
- Callison, Abner F., New York, N. Y. Merchandise container. 1,744,824; Jan. 28.
- Callison, Abner F., Bronx, N. Y. Merchandise-container underframe-member for vehicles. 1,775,552; Sept. 9.
- Callow, John M., New York, N. Y., assignor to Genter Thickener Company, Salt Lake City, Utah. Filtering apparatus. 1,766,166; June 24.
- Callow, John M., New York, N. Y., assignor to Union Carbide Sales Company. Method of and apparatus for treating ores. 1,774,786; Sept. 2.
- Callow, Russell. (See Briesse, A., and Callow.)
- Callowhill, Percy J., and W. T. Parkin, assignors to Theodore W. Foster & Bro. Co., Providence, R. I. Loose-powder container. 1,744,681; Jan. 21.
- Callsen, Albert, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Induction-meter structure. 1,745,842; Feb. 4.
- Callsen, Albert, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,750,259; Mar. 11.
- Callsen, Albert, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Induction meter. 1,786,821; Dec. 30.
- Callser, Jürgen, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. New water-soluble carbonates from β -tribromoethylalcohol. 1,775,587; Sept. 9.
- Callum, Preston D., Baltimore, Md. Knife handle. 1,754,543; Apr. 15.
- Callum, Preston D., Baltimore, Md. Knife guard. 1,784,334; Dec. 9.
- Calpin, Raymond, Everett, assignor to A. S. Campbell Company, East Boston, Mass. Automobile body and constructing a body. 1,782,230; Nov. 18.
- Calvano, William, New York, N. Y. Collapsible bed. 1,742,197; Jan. 7.
- Calvano, William, New York, N. Y. Stamp magazine. 1,757,560; May 6.
- Calvert, George W., Rushville, Mo. Hydraulic scale. 1,782,255; Nov. 18.
- Calvert, Joseph E., Livingston, Mont. Screw-holding screw driver. 1,754,739; Apr. 15.
- Calvert, Landon R., Newark, N. J., assignor to Westinghouse Lamp Company. Hermetically-sealed pump. 1,745,979; Feb. 4.
- Calvert, Landon R., Newark, N. J., assignor to Westinghouse Lamp Company. Apparatus for controlling a fluid flow. 1,762,156; June 10.
- Calvert, Raymond A. (See Goddard, J., and Calvert.)
- Calvert, Robert. (See Van Schanck, R. H., jr., and Calvert.)

- Calvert, William C., Evanston, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Coating fabrics and products derived therefrom. 1,779,388; Oct. 21.
- Calvino, Giovanni, Milan, Italy. Coffee filter. 1,754,146; Apr. 8.
- Calvird, Arthur E., Farmington, Mo. Tobacco can. 1,785,294; Dec. 16.
- Cambay, Charles A., Paris, France. Automatic coin-controlled telephone apparatus. 1,757,003; May 6.
- Cambell, Charles W., St. Paul, Minn. Ice-cream-cone holder. 1,748,204; Feb. 25.
- Cambridge Glass Co., The. (See Kelly, Jess C., assignor.)
- Cambridge Glass Co., The. (See Mosser, Orie J., assignor.)
- Cambridge Instrument Company. (See Hindle, Charles F., assignor.)
- Cambridge Instrument Company. (See Stallan, William J., assignor.)
- Cambridge Instrument Company. (See Sutton, Charles D., assignor.)
- Cambridge Rubber Company. (See Crockett, James B., assignor.)
- Cambridge Rubber Company. (See Dunbar, Ernest W., assignor.)
- Cambridge Rubber Company. (See Dunbar, E. W., and Dempsey, assignors.)
- Cambridge Rubber Company. (See MacPherson, W., and Dunbar, assignors.)
- Cambron, Adrien, Tottenville, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Accelerator for the vulcanization of rubber. 1,754,010; Apr. 8.
- Camco Scale Corporation. (See Chambers, Leverett D., assignor.)
- Camel Company. (See Beauchamp, W. A., and Tobin, assignors.)
- Camel Company. (See Eklind, C. E., and Tobin, assignors.)
- Camel Company. (See Heinen, F. C., and Darrow, assignors.)
- Camel Company. (See Lehnhoff, R. A., and Treptow, assignors.)
- Camel Company. (See Madland, G., and Darrow, assignors.)
- Camel Co. (See Madland, G., and Tobin, assignors.)
- Camel Company. (See Tobin, Kenneth J., assignor.)
- Camel Company. (See Tobin, K. J., Beauchamp, and Vegren, assignors.)
- Camel Company. (See Tobin, K. J., and Darrow, assignors.)
- Camel Company. (See Tobin, K. J., Heinen, and McWilliams, assignors.)
- Camel Company. (See Wasberg, A., and Tobin, assignors.)
- Cameo Overlay Corporation. (See Smith, Arthur L., assignor.)
- Cameo Refrigerator Corporation. (See Covell, Ernest G., assignor.)
- Cameron, Alan H. (See Wright, E. P. G., Baker, and Cameron.)
- Cameron, Alexander S., assignor to W. J. Cameron, Chicago, Ill. Optical apparatus. 1,780,291; Nov. 4.
- Cameron, Archibald D., Fort Screven, Ga. Stirrup. 1,758,930; May 20.
- Cameron Can Machinery Co. (See Cameron, William, assignor.)
- Cameron, Everett S., Tottenville, N. Y. Big-end construction for motors. 1,775,508; Sept. 9.
- Cameron, Everett S., Tottenville, N. Y. Valve action for internal-combustion engines. 1,782,839; Nov. 25.
- Cameron, Hugh J., Fort Wayne, Ind., assignor to General Electric Company. Electrical transformer. 1,769,906; July 1.
- Cameron, Hugh M., Woodhaven, N. Y., assignor to John Chatillon & Sons, New York, N. Y. Counting device for scales. 1,758,648; May 13.
- Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Making backing member for slitting machines. 1,752,061; Mar. 25.
- Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Counterweighting device for winding machines. 1,786,934; Dec. 23.
- Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Variable-brake-resistance device for winding machines. 1,787,104; Dec. 30.
- Cameron, James A., Brooklyn, N. Y., and G. B. Rickard, Glen Rock, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y. Winding machine. 1,759,538; May 20.
- Cameron, John. (See Stone, R., and Cameron.)
- Cameron Machine Company. (See Cameron, James A., assignor.)
- Cameron Machine Company. (See Cameron, J. A., and Rickard, assignors.)
- Cameron Machine Company. (See Johnstone, Robert McC., assignor.)
- Cameron Machine Company. (See Johnstone, Robert M., assignor.)
- Cameron, Robert T., Memphis, Tenn. Coffee percolator. 1,778,792; Oct. 21.
- Cameron, Taylor M., Lincoln, Nebr. Truss. 1,776,864; Sept. 30.
- Cameron, Thomas B., Hop Bottom, Pa. Counterskiving machine. 1,744,749; Jan. 28.
- Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Combined forming and thread-rolling mechanism for caps. 1,747,465; Feb. 18.
- Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Square-can cap-seaming mechanism. 1,752,328; Apr. 1.
- Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Mechanism for operating on can bodies. 1,765,758; June 24.
- Cameron, William J. (See Cameron, Alexander S., assignor.)
- Cameron, William J., Chicago, Ill. Optical instrument. 1,783,461; Dec. 2.
- Camerota, Louis A., Burlington, N. J., assignor to W. Wood, Philadelphia, Pa. Method and apparatus for extracting castings from molds. 1,756,812; Apr. 29.
- Camerota, Louis A., Burlington, N. J., assignor to W. Wood, Philadelphia, Pa. Apparatus for freeing and extracting castings from molds. 1,758,883; May 13.
- Camerota, Louis A., Burlington, N. J., assignor to W. Wood, Philadelphia, Pa. Freeing and extracting castings from molds. 1,774,082; Aug. 26.
- Camfield, William H., Newark, assignor of one-half to W. Prior, East Orange, and one-half to W. Prior, jr., South Orange, N. J. Machine for cutting bias strips. 1,753,645; Apr. 8.
- Camiener, Paul. (See Marshall, W., and Camiener.)
- Caminez, Harold, Farmingdale, assignor to Fairchild-Caminez Engine Corporation, New York, N. Y. Internal-combustion engine. 1,771,246; July 22.
- Camm, Sydney. (See Sigrist, F., and Camm.)
- Cammack, Benjamin F., and B. F. Hines, jr., Smackover, Ark. Piston. 1,743,596; Jan. 14.
- Cammack, Clifton C., assignor to Automatic Washer Company, Newton, Iowa. Washing machine. 1,751,446; Mar. 18.
- Cammarata, Angelo. (See Capocci, Pompeo, assignor.)
- Camp, Curtis B. (See Bamford, W. R., and Hamilton, assignors.)
- Camp, Curtis B., trustee. (See Bradbury, Clifford C., assignor.)
- Camp, Curtis B., trustee. (See Stokes, Charles L., assignor.)
- Camp, Curtis B., trustee. (See Welch, Horace H., assignor.)
- Camp, Edgar M., assignor to Recording Change Machines, Inc., Detroit, Mich. Automatic change-making machine. 1,745,737; Feb. 4.
- Camp, Kingsland, Newark, N. J. Photometer. 1,762,047; June 3.
- Camp, Kingsland, Newark, N. J. Exposure control. 1,762,048; June 3.
- Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Brake mechanism for railway cars. 1,781,805; Nov. 18.
- Camp, Samuel H., Jackson, Mich. Wearing apparel. 1,775,509; Sept. 9.
- Campagna, Salvatore, jr. (See Geraci, Joseph A., jr., assignor.)
- Campana, Domenic M., Wilmette, Ill. Clothes hanger. 1,763,686; June 17.
- Campanaro, John, Philadelphia, Pa. Anti-skid device. 1,766,483; June 24.
- Campau, Emilie J., administratrix. (See Campau, Julian G.)
- Campau, Julian G., deceased, assignor of one-fourth to H. Bonifacio, Monroe, Mich.; E. J. Campau, administratrix. Bolt and bushing therefor. 1,785,709; Dec. 16.
- Campbell, A. S., Company. (See Calpin, Raymond, assignor.)
- Campbell, A. S., Company. (See Campbell, Alphonso S., assignor.)
- Campbell, Albert W., Bay City, Mich. Extendible vise support. 1,756,629; Apr. 29.
- Campbell, Alphonso S., Winchester, assignor to A. S. Campbell Company, East Boston, Mass. Curtain-window installation. 1,745,148; Jan. 28.
- Campbell, Alvin R., Seattle, Wash. Pulley block. 1,784,925; Dec. 16.
- Campbell, Archibald N., London, England. Hull for water craft. 1,780,970; Nov. 11.
- Campbell, Archie O. (See Shelburne, S. P., and Campbell.)
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car-door-locking means. 1,754,221; Apr. 15.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car construction. 1,774,870; Sept. 2.
- Campbell, Arthur B., Fort Wayne, Ind., assignor to General Electric Company. Electrically-wound clock. 1,786,288; Dec. 23.
- Campbell, Arthur C., Tulsa, Okla. Tonsillotome. 1,750,874; Mar. 18.
- Campbell, Arthur J. (See Moore, B. J., and Campbell.)
- Campbell, Benjamin G., assignor of one-half to C. C. Wing, Oakland, Calif. Milk-cap-securing means. 1,762,506; June 10.
- Campbell, Blair B., Eureka, Calif. Hinged top for box cars. 1,747,423; Feb. 18.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Remote control for warning devices. 1,747,049; Feb. 11.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Valve. 1,748,169; Feb. 25.

- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Slack adjuster. 1,749,018; Mar. 4.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Feed-valve mounting. 1,752,631; Apr. 1.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Testing signal systems. 1,766,280; June 24.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Signal. 1,776,966; Sept. 30.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Feed valve for air brakes. 1,781,747; Nov. 18.
- Campbell, Charles E., assignor to L. C. Campbell, Lynn, Mass. Apparatus for the application of diathermy current. 1,746,379; Feb. 11.
- Campbell, Charles H., Brookline, Mass. Embossed sheet-metal cover for boxes, cans, and the like. Des. 82,247; Oct. 14.
- Campbell, Charles H., Pittsburgh, Pa., assignor, by mesne assignments, to Peter Cooper Corporations, Wilmington, Del. Reclaimed rubber. 1,786,149; Dec. 23.
- Campbell, Charles L., assignor to E. B. Badger & Sons Company, Boston, Mass. Chlorination. 1,758,351; May 13.
- Campbell, Charles L., assignor to E. B. Badger & Sons Company, Boston, Mass. Countercurrent contacting apparatus. 1,773,258; Aug. 19.
- Campbell, Charles S., and A. E. Hunt, New Haven, Conn. assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Record card or like member for indexes or files. 1,760,474; May 27.
- Campbell, Chester C., West Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator-cab construction. 1,752,661; Apr. 1.
- Campbell, Clarence B., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine-control mechanism. 1,777,461; Oct. 7.
- Campbell, Donald J., Muskegon Heights, Mich. Casting and chilling mold. 1,747,223; Feb. 18.
- Campbell, Donald J., Muskegon, Mich. Aluminum head piston. 1,771,771; July 29.
- Campbell, Dora E., Paterson, N. J. Window-cleaning apparatus. 1,771,616; July 29.
- Campbell, Duncan. (See Fraser, James, assignor.)
- Campbell, Elba E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Heater valve. 1,751,441; Mar. 18.
- Campbell, Ernest P., Stockton, Calif. Universal valve seating and counterboring tool. 1,761,326; June 3.
- Campbell, Frank G. (See Strong, Leon B., assignor.)
- Campbell, Frank J., assignor of one-half to G. W. Briggs, Chicago, Ill. Buttonhole attachment for sewing machines. 1,743,316; Jan. 14.
- Campbell, Fred L., Chicago, Ill. Portable power handsaw. 1,745,293; Jan. 28.
- Campbell, Frederick J., Port Huron, Mich. Armored motor vehicle. 1,747,142; Feb. 11.
- Campbell, Grover S. (See Campbell, William W., assignor.)
- Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window sash and frame construction. 1,750,296; Mar. 11.
- Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Sash lift. 1,763,577; June 10.
- Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Sealing mechanism for metal windows. 1,782,338; Nov. 18.
- Campbell, Harry E., and E. F. Meikelburg, Milwaukee, Wis., assignors, by mesne assignments, to Cutler-Hammer, Inc. Electric switch. 1,782,916; Nov. 25.
- Campbell, Herbert R., Paterson, N. J. Bridge warning indicator. 1,781,675; Nov. 18.
- Campbell, James, Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation. Shipping container or box for motor vehicles and the like. 1,787,305; Dec. 30.
- Campbell, John B., Salem, N. J., assignor, by mesne assignments, to Carthage Mills Incorporated, Cincinnati, Ohio. Floor covering. 1,755,978; Apr. 22.
- Campbell, John B., Salem, N. J., assignor, by mesne assignments to Carthage Mills Incorporated, Cincinnati, Ohio. Ornamentation process and apparatus therefor. 1,766,878; June 24.
- Campbell, John B., Salem, N. J., assignor, by mesne assignments, to Carthage Mills Incorporated, Cincinnati, Ohio. Floor covering. 1,766,879; June 24.
- Campbell, John B., Salem, N. J., assignor, by mesne assignments, to Carthage Mills Incorporated, Cincinnati, Ohio. Process and apparatus for the production of felt-base floor covering. 1,787,140; Dec. 30.
- Campbell, John G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Electrical apparatus. 1,768,565; July 1.
- Campbell, John G., and C. Warner, assignors to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,768,564; July 1.
- Campbell, Joseph, Milner, British Columbia, Canada. Grain-drying device. 1,766,742; June 24.
- Campbell, Julian A. (See Bohnhardt, Charles F. H., assignor.)
- Campbell, Julian A., Long Beach, Calif. Absorber. 1,748,409; Feb. 25.
- Campbell, Julian A., Long Beach, Calif. Still. 1,754,605; Apr. 15.
- Campbell, Julian A., Long Beach, Calif. Stabilizing absorption system. 1,754,606; Apr. 15.
- Campbell, Julian A., Long Beach, Calif. Scrubber. 1,754,607; Apr. 15.
- Campbell, L. C. (See Campbell, Charles E., assignor.)
- Campbell, Lawrence, Kansas City, Mo., assignor to J. Grant, Los Angeles, Calif. Underreamer. 1,743,528; Jan. 14.
- Campbell, Layard, New York, N. Y. Packing device. 1,759,185; May 20.
- Campbell, Leon J., Buchanan, Mich. Power take-off unit for tractors. 1,758,352; May 13.
- Campbell, Leon J., assignor to Campbell Transmission Company, Buchanan, Mich. Speed-changing mechanism. 1,773,216; Aug. 19.
- Campbell, Leon J., Buchanan, Mich., assignor, by mesne assignments, to The Studebaker Corporation, South Bend, Ind. Power take-off unit for tractors. 1,784,088; Dec. 9.
- Campbell, Lorn, jr., Lakewood, Ohio. Valve for measuring and dispensing fluid. 1,756,279; Apr. 29.
- Campbell, Lorn, jr., Lakewood, assignor to The Harris Calorific Company, Cleveland, Ohio. Making bodies. 1,748,565; Feb. 25.
- Campbell, Lorn, jr., Lakewood, assignor to The Harris Calorific Company, Cleveland, Ohio. Adapter for blowpipes. 1,751,447; Mar. 18.
- Campbell, Lorn, jr., Lakewood, assignor to The Harris Calorific Company, Cleveland, Ohio. Blowpipe tip and making same. 1,751,448; Mar. 18.
- Campbell, Malcolm A., Chicago, Ill., assignor of one-third to B. Heerey and one-third to F. M. Utt. Seat-back support and adjuster. 1,762,127; June 3.
- Campbell Metal Window Corporation. (See Campbell, Harry E., assignor.)
- Campbell, Milton C., Chicago, Ill. Machine for cutting unbreakable watch crystals. 1,757,952; May 13.
- Campbell, Neil L., assignor to Mannington Mills, Inc., Salem, N. J. Apparatus for making mottled floor coverings. 1,750,567; Mar. 11.
- Campbell, Neil L., assignor to Mannington Mills, Inc., Salem, N. J. Printing floor covering. 1,778,353; Oct. 14.
- Campbell, Neil L., Glendale, assignor, by mesne assignments to Carthage Mills Incorporated, Cincinnati, Ohio. Composition flooring. 1,766,811; June 24.
- Campbell, Norman R., and C. G. Eden, Watford, England, assignors to General Electric Company. Method and apparatus for testing lamps. 1,771,915; July 29.
- Campbell, Philip A., Vancouver, British Columbia, Canada. Power-driven mower. 1,769,254; July 1.
- Campbell, Philip S., Houston, assignor of one-half to M. Culmore, Harris County, Tex. Electric iron. 1,781,158; Nov. 11.
- Campbell, Robert F., Brooklyn, N. Y. Wrist-watch attachment. 1,784,887; Dec. 16.
- Campbell, Robert G. (See Sternberg, Woldemar M., assignor.)
- Campbell, Robert G., New York Mills, N. Y. Card. 1,758,428; May 13.
- Campbell, Ross C., Springfield, Ill. Frame-clamp support for ornamental awning fixtures. 1,775,158; Sept. 9.
- Campbell-Ross, Georgie B., Round Lake, Ill. Plaiting iron. 1,767,618; June 24.
- Campbell, Samuel J., Green Bay, Wis. Creping machine. 1,764,676; June 17.
- Campbell, Samuel J., Green Bay, Wis., assignor to Hudson-Sharp Machine Company. Paper-web-feeding machine. 1,747,857; Feb. 18.
- Campbell, Samuel J., assignor of one-half to Hudson-Sharp Machine Company, Green Bay, Wis. Creping mechanism. 1,751,471; Mar. 25.
- Campbell, Samuel J., Green Bay, Wis., assignor to Hudson-Sharp Machine Company. Folding machine. 1,752,415; Apr. 1.
- Campbell, Samuel J., assignor of one-half to Hudson-Sharp Machine Company, Green Bay, Wis. Paper-creping machine. 1,762,157; June 10.
- Campbell, Sterling H., assignor to Railway Devices Company, St. Louis, Mo. Journal bearing for railway cars. 1,775,420; Sept. 9.
- Campbell, Stewart L. (See Grant, J., and Campbell.)
- Campbell, Stewart L., Berkeley, assignor to J. Grant, Los Angeles, Calif. Expanding drill or reamer. 1,756,509; Apr. 29.
- Campbell, Stewart L., Berkeley, assignor to J. Grant, Los Angeles, Calif. Pipe elevator. 1,777,549; Oct. 7.
- Campbell, Sydney A., Brighton, and L. I. Van Buskirk, Newtonville, Mass. Toy handkerchief case and purse. 1,759,974; May 27.
- Campbell, Thomas N., et al. (See Linn, F. F., and Negles, assignors.)
- Campbell, Thomas P., et al., trustees. (See Sherrick, Samuel T., assignor.)
- Campbell, Tracy R., Outremont, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Insulator mounting. 1,746,817; Feb. 11.
- Campbell Transmission Company. (See Campbell, Leon J., assignor.)
- Campbell, Wallace G., Lockport, N. Y. Radiator tank. 1,782,058; Nov. 18.
- Campbell, Wallace H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Deflating machine. 1,763,578; June 10.

- Campbell, Wallace H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rimming press. 1,785,671; Dec. 16.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing-machine casing. Des. 82,248; Oct. 14.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,742,575; Jan. 7.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,742,576; Jan. 7.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,742,577; Jan. 7.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,742,578; Jan. 7.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,745,113; Jan. 14.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,750,662; Mar. 18.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Knife sharpener for slicing machines. 1,772,704; Aug. 12.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Knife sharpener for slicing machines. 1,772,705; Aug. 12.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Knife for slicing machines. 1,772,706; Aug. 12.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,774,913; Sept. 2.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,778,102; Oct. 14.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,778,103; Oct. 14.
- Campbell, William W., San Diego, Calif., assignor of one-half to G. S. Campbell, Denton, Tex. Dispensing and measuring device. 1,768,826; July 1.
- Campbell, William W., et al., executors. (See Harrison, Herbert C.)
- Campobasso, Anthony, Chicago, Ill. Shade and screen for doors, windows, and the like. 1,782,339; Nov. 18.
- Campos, Gino, Milan, Italy. System for the protection of electrical installations against overvoltages. 1,755,979; Apr. 22.
- Camps, Agustin B., San Baudilio de Llobregat, Spain. Humidifier for internal-combustion engines. 1,746,380; Feb. 11.
- Camula, Anton, Garfield Heights, Ohio. Pressure-actuated valve. 1,781,366; Nov. 11.
- Campus, Cesare C., Santa Monica, Calif. Valve and seat combination for bidet control. 1,785,935; Dec. 23.
- Camuset Charles, Bretigny-sur-Orge, France. Diffusion plant. 1,782,603; Nov. 25.
- Canada Cycle & Motor Co., Limited. (See Heath, Branch, assignor.)
- Canada Gypsum and Alabastine, Limited. (See Haire, R. E., and Thomson, assignors.)
- Canada Gypsum and Alabastine, Limited. (See Thomson, George M., assignor.)
- Canaday, L. Moore. (See Spencer, C. B., and Canaday.)
- Canadian Electric Products Company. (See Blaikie, Kenneth G., assignor.)
- Canadian Electro Products Company. (See Matheson, H. W., and Skirrow, assignors.)
- Canadian Electro Products Company. (See Skirrow, Frederick W., assignor.)
- Cananea Consolidated Copper Company, S. A., The. (See Wilkinson, Alan D., assignor.)
- Canavan, Joshua N., assignor to Acme Motion Picture Projector Company, Chicago, Ill. Motion-picture-projection booth. 1,743,879; Jan. 14.
- Canavan, William F., et al. (See Lofy, George C., assignor.)
- Canavan, William F., Montreal, Quebec, Canada. Safety closure for wall openings. 1,755,868; Apr. 22.
- Cancianich, Francis J., Newport News, Va. Safety appliance for gas burners. 1,786,395; Dec. 23.
- Cancianich, Francis J., Newport News, Va. Gas burner. 1,786,396; Dec. 23.
- Candar, John C., Arnold, Pa. Battery carrier. 1,779,207; Oct. 21.
- Candas, Gaston, Paris, France. Hinge for jewelry. 1,758,931; May 20.
- Candee, Allan H., assignor to Gleason Works, Rochester, N. Y. Apparatus for relieving hobs. 1,758,102; May 13.
- Candee, Allan H., Rochester, assignor to Gleason Works, Rochester, N. Y. Hobbling tapered gears. 1,772,585; Aug. 12.
- Candee, Allan H., E. C. Head, and L. D. Nadel, assignors to Gleason Works, Rochester, N. Y. Apparatus for gashing and sharpening hobs. 1,758,103; May 13.
- Candee, Andrew H., Wilkesburg, Pa., assignor to Westinghouse Electric & Mfg. Company. Power system. 1,750,297; Mar. 11.
- Candee, George G., Long Beach, Calif. Closure-operating mechanism. 1,764,150; June 17.
- Candee, L., and Company, The. (See Clements, Eugene E., assignor.)
- Candee, Raphael R., McKittrick, and O. F. Harding, Coalinga, Calif. Core-drilling bit. 1,785,405; Dec. 16.
- Candee, Zenas P., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Connection. 1,783,403; Dec. 2.
- Candee, Zenas P., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Gauging mechanism. 1,783,404; Dec. 2.
- Candlish, William C., Berkeley, Calif., assignor to J. R. Palmenberg's Sons, Inc., New York, N. Y. Pedestal for display fixtures. Des. 81,383; June 17.
- Canellis, Nicholas G. (See Gallagher, Frank H., assignor.)
- Canfield, Dudley, Milwaukee, Wis. Take-off device for aeroplanes. 1,767,120; June 24.
- Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for making hollow blown glassware. 1,756,813; Apr. 29.
- Canfield, Robert W., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn. Movable glass-delivery chute. 1,766,979; June 24.
- Canfield, Virgil D., Eugene, Oreg. Antifriction bearing. 1,773,301; Aug. 19.
- Cangemi, Anthony. (See Cangemi, Sebastiano F., and A.)
- Cangemi, Rosario, Boston, Mass. Tailor's square. 1,763,091; June 10.
- Cangemi, Sebastiano F. and A., Houston, Tex. Gate. 1,767,650; June 24.
- Cann, Harry E., West Chester, Pa. Milk cooler. 1,782,840; Nov. 25.
- Cannard, William H., Green Bay Wis. Interfolding machine. 1,772,128; Aug. 5.
- Cannella, Andrew, Montclair, N. J. Tray. Des. 82,249; Oct. 14.
- Cannella, Andrew, Montclair, N. J. Dish. Des. 82,250; Oct. 14.
- Canney, Frank R., assignor to Boeing Airplane Company, Seattle, Wash. Surface control mechanism for airplanes. 1,750,089; Mar. 11.
- Canniff, Fred C., Tulsa, Okla. Sucker-rod socket. 1,754,816; Apr. 15.
- Canniff, Warwick B., Marine on Saint Croix, Minn. Clothespin. 1,770,298; July 8.
- Canning, James, Montpelier, Vt. Stone-surfacing machine. 1,773,388; Aug. 19.
- Canning-Martinsson, Gunnar R., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Press. 1,744,831; Jan. 28.
- Cannon, Alfred C. (See Gerow, J. A., and Cannon.)
- Cannon, Charles D., Cleveland, Ohio. Sheet-metal fastening. 1,749,903; Mar. 11.
- Cannon Electric Development Company. (See Cannon, James H., assignor.)
- Cannon, Frederick, Edgware, England. Geyser or like water heater. 1,744,523; Jan. 21.
- Cannon, Hiram B., Midway, Ky., assignor to The Carborundum Company, Niagara Falls, N. Y. Combustion chamber. 1,752,518; Apr. 1.
- Cannon, James C., Hiwassee, Ark. Gate-operating mechanism. 1,778,354; Oct. 14.
- Cannon, James H., assignor to Cannon Electric Development Company, Los Angeles, Calif. Electric service connection. 1,755,166; Apr. 22.
- Cannon, John W., Providence, R. I. Oil-burning system. 1,766,242; June 24.
- Cannon, John W., Providence, R. I. Burning liquid fuel. 1,766,243; June 24.
- Cannon Mills Company. (See Fisher, C. A., and Ketner, assignors.)
- Cannon, Patrick J., New York, N. Y. Sidewalk bridge. 1,746,027; Feb. 4.
- Cannon, William A., Palo Alto, and H. J. Hall, Los Altos, Calif. Road sign. 1,743,317; Jan. 14.
- Cannon, William D. (See Milnor, J. W., and Cannon.)
- Canny, James, and H. Blondeau, Seattle, Wash. Tube-flanging wrench. 1,783,639; Dec. 2.
- Cano, Vernon, Elizabeth, N. J., assignor, by mesne assignments, to Maryland Air Conditioning Corporation. Conditioning machine. 1,787,063; Dec. 30.
- Canter, David, Mattapan, Mass. Ice-cream cone. 1,752,729; Apr. 1.
- Cantienny, Georg, Berlin, Germany, assignor, by mesne assignments, to International Coal Carbonization Company. Rotary retort, kilns, or drum. 1,751,127; Mar. 18.
- Canton, Allen A., assignor to Cantonice Corporation, New York, N. Y. Electrical pump. 1,780,335; Nov. 4.
- Canton, Allen A., New York, N. Y., assignor to Glacier, Inc., of the State of New York. Pumping mechanism. 1,780,336; Nov. 4.
- Canton, Allen A., New York, N. Y., assignor to Glacier, Inc., of the State of New York. Pumping mechanism. 1,780,337; Nov. 4.
- Canton, Allen A., New York, N. Y., assignor to Glacier, Inc., of the State of New York. Combination motor and pump. 1,780,338; Nov. 4.
- Canton, Allen A., New York, N. Y., assignor to Glacier, Inc., of the State of New York. Combination motor and pump. 1,780,339; Nov. 4.
- Canton Culvert and Silo Company, The. (See Van Horne, Perry, assignor.)

- Cantone, Charles, Providence, R. I. Cuff button. 1,777,349; Oct. 7.
- Cantonice Corporation. (See Canton, Allen A., assignor.)
- Cantwell Electric Auto Signal Company, The. (See Cantwell, George L., assignor.)
- Cantwell, George L., assignor to The Cantwell Electric Auto Signal Company, Wichita, Kans. Automobile signal. 1,775,306; Sept. 9.
- Cantwell, John M., Tarrytown, N. Y. Jack. 1,784,574; Dec. 9.
- Cantwell, Margaret W. (See Schauman, Bror M., assignor.)
- Canut, Enrique, and J. M. Loydi, Sague la Grande, Cuba. Automatic railroad gate. 1,755,050; Apr. 15.
- Canvas Products Corporation. (See Laacke, Richard T., assignor.)
- Cape Body Limited, The. (See Gowan, William, assignor.)
- Capenhart Corporation, The. (See Mitchell, John R., assignor.)
- Capelis Safety Aeroplane Corporation. (See Capelis, Socratis H., assignor.)
- Capelis, Socratis H., assignor to Capelis Safety Aeroplane Corporation, El Cerrito, Calif. Airplane. 1,745,600; Feb. 4.
- Capeluschnicoff, Matvey A., Baku, Russia. Bore-hole apparatus. 1,777,961; Oct. 7.
- Capeluschnicoff, Matvey A., New York, N. Y., assignor of one-half to V. G. Shukhoff, Moscow, Union of Soviet Socialist Republics. End connector for tubes. 1,785,727; Dec. 23.
- Capell, Carl F., Santa Monica, assignor of one-fourth to H. C. Brown, Los Angeles, Calif. Controlling mechanism for signals. 1,745,244; Jan. 28.
- Capem Machinery Corporation. (See Cundall, Robert N., assignor.)
- Capen, Joseph S., Stoughton, Mass. Overshoe skid. 1,755,348; Apr. 22.
- Capital Lift and Manufacturing Company. (See Blackwood, Guy R., assignor.)
- Caplan, James H., Boston, Mass. Fastener and assembling the same. 1,773,422; Aug. 19.
- Caplan, Samuel, Brooklyn, N. Y. Composition for purifying exhaust gases. 1,771,396; July 29.
- Caplin, Samuel. (See Lieberman, J. A., and Caplin.)
- Capobianco, Domenico, New York, N. Y. Automobile bumper. 1,754,934; Apr. 15.
- Capobianco, Vincenzo. (See Nanzolini, E., Capobianco, and Scarponi.)
- Capocci, Pompeo, Hollandale, assignor of one-half to A. Cammarata, Hollywood, Fla. Ornamental lamp shade. 1,787,357; Dec. 30.
- Capp, John A. (See Noble, P. O., and Capp.)
- Capper, Arthur M., assignor to Duquesne Steel Foundry Company, Pittsburgh, Pa. Annealing box. 1,753,261; Apr. 8.
- Capps, Frank L., Milford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Recording means. 1,765,051; June 17.
- Capps, Frank L., Milford, Conn., and H. A. Summers, Brooklyn, N. Y., assignors to Columbia Phonograph Company, Inc., Bridgeport, Conn. Pick-up. 1,760,114; May 27.
- Capps, Frank L., Bridgeport, Conn. Radio frequency transformer. 1,781,776; Nov. 18.
- Caprio, Amerigo F. (See Walsh, J. F., Smith, and Caprio.)
- Caprio, Cleveland, Hawley, Pa. Starting gauge for looms. 1,763,504; June 10.
- Caproni, Gianni, Rome, Italy. Fuselage fitting. 1,785,615; Dec. 16.
- Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Copyholder. 1,752,329; Apr. 1.
- Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Apron drier. 1,759,092; May 20.
- Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Noncorrosible bearing. 1,771,994; Aug. 5.
- Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Indicator for photographic apparatus. 1,775,630; Sept. 16.
- Caps, Arthur W., Kansas City, Mo., assignor to Photostat Corporation, Providence, R. I. Paper-roll holder. 1,761,464; June 3.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Filter and preparing same. 1,762,143; June 10.
- Capstan Glass Company. (See Brown, Banks D., assignor.)
- Capulato-Aktiebolaget. (See Behmer, Erik A., assignor.)
- Caputo, Nicholas J., Hollis, N. Y. Sound-reproducing apparatus. 1,775,510; Sept. 9.
- Capwell, George F., Wethersfield, Conn. Producing pictures in colors. 1,780,260; Nov. 4.
- Cara, Dominick J., and J. W. Hough, Memphis, Tenn. Awning for locomotive cabs. 1,768,437; June 24.
- Carack Company, The. (See Greenberg, Edward, assignor.)
- Caracristi, Virginius Z., Bronxville, N. Y., assignor to Combustion Engineering Corporation. Apparatus for burning pulverized fuel. 1,759,038; May 20.
- Caracristi, Virginius Z., Bronxville, N. Y., assignor to Locomotive Pulverized Fuel Company. Combustion and steam generation. 1,772,276; Aug. 5.
- Carathanasis, Evangelos L., Detroit, Mich. Vaporizer for internal-combustion engines. 1,761,327; June 3.
- Caraway, James C., Compton, and H. J. Reynolds, Hermosa Beach, Calif. Automatic liquid-level control. 1,744,723; Jan. 28.
- Carbaugh, Conrad A., Dickey's Mountain, Pa. Adjusting stop for sawmill-carriage headblocks. 1,784,175; Dec. 9.
- Carbenay, Fernand, Paris, France. Listening apparatus for radiotelephony. 1,775,190; Sept. 9.
- Carbide and Carbon Chemicals Corporation. (See Cade, Arthur R., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Davidson, Joseph G., assignor.)
- Carbide & Carbon Chemicals Corporation. (See Davidson, J. G., and Reid, assignors.)
- Carbide and Carbon Chemicals Corporation. (See Ray, A. B., and Felbeck, assignors.)
- Carbide & Carbon Chemicals Corporation. (See Young, Charles O., assignor.)
- Carbide & Carbon Chemicals Corporation. (See Young, C. O., and Douglas, assignors.)
- Carbis, Sam H., Tarentum, Pa. Casting apparatus. 1,749,314; Mar. 4.
- Carbonaro, Marius C., Paris, assignor to Societe Hardoll Anciens Etablissements Hariveau & Dolivier et Rene Porte & Cie. Reunis, Levallois-Perret, France. Automatic recording liquid meter. 1,768,031; June 24.
- Carbone, Natale J., jr., Long Branch, N. J. Paper hair duster. 1,757,853; May 6.
- Carborundum Company, The. (See Benner, Raymond C., assignor.)
- Carborundum Company, The. (See Cannon, Hiram B., assignor.)
- Carborundum Company, The. (See Hawke, Clarence E., assignor.)
- Carborundum Company, The. (See Mack, John R., assignor.)
- Carborundum Company, The. (See Martin, Harry C., assignor.)
- Carborundum Company, The. (See Steuber, Carl J., assignor.)
- Carborundum Company, The. (See Tone, Frank J., assignor.)
- Carborundum Company, The. (See Walker, P. H., and Kenyon, assignors.)
- Carborundum Company, The. (See Wills, Herbert J., assignor.)
- Carbt, Paul P., Chicago, Ill. Radiator meter. 1,755,174; Apr. 22.
- Carburetor Control Company. (See Hess, Harry W., assignor.)
- Carburol Aktiengesellschaft. (See Wolf, Hermann, assignor.)
- Car Devices Company. (See Hannaford, Cleon M., assignor.)
- Card, Clarence D., Rivers, Manitoba, Canada. Wagon box. 1,765,204; June 17.
- Card Display Inc. (See O'Rourke, Tex, assignor.)
- Card, Earl J., assignor to Jamestown Metal Equipment Co., Inc., Jamestown, N. Y. Metal furniture. 1,769,255; July 1.
- Card, Earl J., and V. A. Gronberg, assignors to Jamestown Metal Equipment Co., Inc., Jamestown, N. Y. Drawer. 1,757,293; May 6.
- Card, Frederic M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine needle-controlling mechanism. 1,754,608; Apr. 15.
- Card, Stephen T. (See Thole, F. B., and Card.)
- Cardinal, Joseph. (See Grunwald, Fannie assignor.)
- Cardinet, Albert D., assignor to Antrol Laboratories Inc., Los Angeles, Calif. Insecticidal meal. 1,778,021; Oct. 14.
- Cardinet, George H., Oakland, Calif. Display holder for bar candy or the like. 1,752,519; Apr. 1.
- Cardone, Frank. (See Maccarone, Fred, assignor.)
- Cardwell, Allen D., Rockville Center, N. Y. Electrically-operated relay. 1,742,847; Jan. 7.
- Cardwell, James R., and W. H. Cotton, assignors to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,766,328; June 24.
- Carell, John P., Troy, N. Y. Sunken-vessel-locating device. 1,772,205; Aug. 5.
- Carew, Herman, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Dish holder. Des. 80,776; Mar. 25.
- Carew, Herman, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Dish holder. 1,750,568; Mar. 11.
- Carey, Asa H. (See Burger, E. J., and Carey.)
- Carey-McFall Co. (See Reukauf, Edward, jr., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)
- Carey, Philip, Manufacturing Co. (See Fisher, Harry C., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Greider, Harold W., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Herbst, Henry W., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Huntington, James B., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Pater, Carl J., assignor.)

- Carey, Philip, Manufacturing Company, The. (See Ross, Edgar S., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Stefens, Walter L., assignor.)
- Carfagno, Massimino, Philadelphia, Pa. Knicker buckle. 1,764,547; June 17.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Friction clutch. 1,742,804; Jan. 7.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Clutch construction. 1,742,805; Jan. 7.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Synchronizing clutch. 1,746,764; Feb. 11.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Motion-transmitting mechanism. 1,746,765; Feb. 11.
- Carhart, George C., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y. Torque cushioning mechanism. 1,749,315; Mar. 4.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission mechanism. 1,752,062; Mar. 25.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission mechanism. 1,755,769; Apr. 22.
- Carhart, George C., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y. Transmission mechanism. 1,773,217; Aug. 19.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Power-transmitting mechanism. 1,780,065; Oct. 28.
- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 1,758,782; May 13.
- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Switch contact mechanism. 1,779,659; Oct. 28.
- Carickhoff, James R., Lexington, N. C. Clutch construction. 1,784,722; Dec. 9.
- Cario, Paul. (See Schleicher, M., and Cario.)
- Car Kra Corporation. (See Fast, August C., assignor.)
- Car-Kra Corporation. (See Kramer, John G., assignor.)
- Carl, Edwin J. (See Soubier, L. D., and Carl.)
- Carl, Frederick, Washington, D. C. Wheel puller. 1,750,702; Mar. 18.
- Carl-Gunnar Victorin. (See Gustafsson, Johan R., assignor.)
- Carl, Gustav R., Chicago, Ill. Window construction. 1,750,703; Mar. 18.
- Carl Holmbergs Mekaniska Verkstads Aktiebolag. (See Anderberg, Anders and E. A., assignors.)
- Carland, Frank B., Jackson Heights, N. Y. Golf practising device. 1,777,350; Oct. 7.
- Carle, Harold, Buffalo, N. Y., assignor, by mesne assignments, to The Vortex Mfg. Co., Chicago, Ill. Flat-bottom-cup-making machine. 1,743,424; Jan. 14.
- Carle, Harold, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Machine for joining paper strips. 1,774,420; Aug. 26.
- Carle, Harold, Buffalo, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Blank feeding and gluing device. 1,786,476; Dec. 30.
- Carle, Harold, Buffalo, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Blank-separating mechanism. 1,786,477; Dec. 30.
- Carlesimo, Angelo, Detroit, Mich. Bucket cleaner for excavating machines. 1,770,837; July 15.
- Carleton, Robert A., Newton Center, Mass. Low-tension fluid-heating apparatus. 1,746,522; Feb. 11.
- Carleton, Robert A., Newton Center, Mass., assignor to National Electric Heating Company, Inc., New York, N. Y. Electric fluid-heating apparatus. 1,775,017; Sept. 2.
- Carley, Leonard R. (See White, F. R., Abel, and Carley.)
- Carley, William O., Walla Walla, Wash. Twine cutter. 1,764,287; June 17.
- Carlile, Frank S., Abington, Pa. Battery cover. 1,782,984; Nov. 25.
- Carlin, Bernard, Pensacola, Fla. Equalizing system for four-wheel brakes. 1,785,179; Dec. 16.
- Carlin Comforts, Inc. (See May, Janet, assignor.)
- Carlin, David, New York, N. Y. Clothes hanger. 1,768,744; July 1.
- Carlin, Joseph, assignor to Sargent & Company, New Haven, Conn. Lock. 1,756,342; Apr. 29.
- Carling, William T., Guildford, England. Change-gear mechanism. 1,786,980; Dec. 30.
- Carlisle, Benjamin H., Petersburg, Ind. Oil filter. 1,755,912; Apr. 22.
- Carlisle, Charles C., Cheyenne, Wyo. Gas-lift starting valve. 1,744,361; Jan. 21.
- Carlisle, Charles G. (See de Silva, F. A., and Carlisle.)
- Carlisle, Rose A., administratrix. (See Carlisle, Roy.)
- Carlisle, Roy, deceased, Indianapolis, Ind.; R. A. Carlisle, administratrix, assignor to Razor Blade Tile, Incorporated. Razor-blade-disposal tile. 1,785,855; Dec. 23.
- Carlitz, Joseph S. (See Thews, K. B., and Carlitz.)
- Carlock, James J. (See Stern, C., and Carlock.)
- Carlson, Albin V., Degerhamn, Sweden. Manufacturing porous building materials. 1,782,460; Nov. 25.
- Carlson, Alfred G., Tooele, Utah. Baking pan. 1,778,846; Oct. 21.
- Carlson, Andrew W., Spokane, Wash. Heel. 1,753,692; Apr. 8.
- Carlson, Anthony E., Los Angeles, Calif. Reducing and massaging device. 1,776,806; Sept. 30.
- Carlson, Arnold B., Spokane, Wash. Fountain brush. 1,775,235; Sept. 9.
- Carlson, Arthur W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Weld rod for electric-arc welding. 1,759,686; May 20.
- Carlson, Artie C., Valparaiso, Ind., assignor, by mesne assignments, to The Northern Trust Company, and H. H. Rockwell, trustees. Wheeled toy. 1,778,143; Oct. 14.
- Carlson, Axel B. (See Hougland, A. C., and Carlson.)
- Carlson, Axel F., Cambridge, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine. 1,771,670; July 29.
- Carlson, Axel F., Cambridge, assignor to Reece Shoe Machinery Company, Boston, Mass. Shoe. 1,774,743; Sept. 2.
- Carlson, Bror N., Rockford, Ill. Material receptacle and sifter. 1,748,830; Feb. 25.
- Carlson, Carl B., Los Angeles, Calif. Electrical connector. 1,758,218; May 13.
- Carlson, Carl T., Chattanooga, Tenn., assignor to Erie City Iron Works, Erie, Pa. Wall structure. 1,773,516; Aug. 19.
- Carlson, Carl T., North Chattanooga, assignor to The Casey-Hedges Company, Chattanooga, Tenn. Furnace construction. 1,776,178; Sept. 16.
- Carlson, Charles N., assignor of fifty per cent to C. A. Johnson, Virginia, Minn. Storm-sash fastener. 1,773,344; Aug. 19.
- Carlson, Chester L., Crockett, Calif. Switch mechanism for counters. 1,744,259; Jan. 21.
- Carlson, Clara. (See Wikman, E. G., and Carlson.)
- Carlson, Clarence G., assignor to Chicago Curtain Stretcher Company, Chicago, Ill. Curtain stretcher. 1,780,995; Nov. 11.
- Carlson, Conrad, Brooklyn, N. Y. Hoisting apparatus. 1,776,414; Sept. 23.
- Carlson, Edward, Buffalo, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Record device. 1,749,208; Mar. 4.
- Carlson, Edwin G., Riverside, assignor to Speidel Chain Co., Providence, R. I. Extension device. 1,749,997; Mar. 11.
- Carlson, Edwin G., Riverside, assignor to Speidel Chain Co., Providence, R. I. Bracelet. 1,751,792; Mar. 25.
- Carlson, Edwin G., Riverside, assignor to Speidel Chain Co., Providence, R. I. Extension device. 1,781,101; Nov. 11.
- Carlson, Elof L., assignor to The E. Ingraham Co., Bristol, Conn. Alarm clock. 1,744,524; Jan. 21.
- Carlson, Elof L., assignor to The E. Ingraham Co., Bristol, Conn. Spring pawl for ratchet mechanisms. 1,772,798; Aug. 12.
- Carlson, Enock A., Delvalle, Tex. Twine holder. 1,764,826; June 17.
- Carlson, Eric., assignor to Stewart Die Casting Corporation, Chicago, Ill. Automatic die-casting machine. 1,765,653; June 24.
- Carlson, Frederick E., assignor to Landers, Frary & Clark, New Britain, Conn. Weighing scale. 1,772,277; Aug. 5.
- Carlson, Frederick G., Brooklyn, N. Y. Spacing means for mold forms. 1,767,834; June 24.
- Carlson, Fritz O., Worcester, Mass. Tag-stringing machine. 1,752,730; Apr. 1.
- Carlson, George, Ansonia, Conn., assignor to General Electric Company. Electric convenience outlet. 1,776,146; Sept. 16.
- Carlson, George, Ansonia, Conn., assignor to General Electric Company. Box and tube connector. 1,778,624; Oct. 14.
- Carlson, George B., Carver, Minn. Saw frame. 1,742,948; Jan. 7.
- Carlson, Gustaf, Buffalo, N. Y. Cage for roller bearings. 1,764,198; June 17.
- Carlson, Gustaf G., Los Angeles, Calif. Windshield wiper. 1,778,245; Oct. 14.
- Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Coring and peeling device. 1,759,539; May 20.
- Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Extensible closet pole. 1,764,931; June 17.
- Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Beater spoon. 1,784,575; Dec. 9.
- Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Closure-removing device. 1,785,436; Dec. 16.
- Carlson, Harvey, Cheboygan, Mich. Lamp. 1,782,917; Nov. 25.
- Carlson, Hjalmar, Duluth, Minn. Cuff button. 1,761,869; June 3.
- Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Sprinkler head. 1,749,627; Mar. 4.
- Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Constant-alarm device. 1,762,009; June 3.
- Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Protecting device for bleed passages. 1,762,010; June 3.
- Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Dies and method for closing pressed-metal pipe fittings. 1,777,351; Oct. 7.

- Carlson, Johannes R., assignor to The Arrow Electric Company, Hartford, Conn. Lamp socket. 1,781,663; Nov. 11.
- Carlson, John A. E., assignor to Jacobsen, Mfg. Co., Racine, Wis. Power-driven lawn mower. 1,767,510; June 24.
- Carlson, John O., assignor to Truscon Steel Company, Youngstown, Ohio. Weather strip for metal sash. 1,755,632; Apr. 22.
- Carlson, John W., assignor to Hedman Manufacturing Company, Chicago, Ill. Check protector. 1,783,182; Dec. 2.
- Carlson, John W., assignor to The Hedman Manufacturing Company, Chicago, Ill. Check protector. 1,783,219; Dec. 2.
- Carlson, Julius, Brooklyn, N. Y. Adjustable cap. 1,764,505; June 17.
- Carlson, Nils G., South Bend, Ind. Movable lamp support. 1,757,617; May 6.
- Carlson, Oscar, East Providence, assignor to Dolan & Bullock, Providence, R. I. Tie clasp. 1,764,778; June 17.
- Carlson, Otto, assignor to Jamestown Metal Equipment Co., Inc., Jamestown, N. Y. Compressor. 1,776,678; Sept. 23.
- Carlson, Philip E., and C. J. Ulrich, Minneapolis, Minn. Lock. 1,765,824; June 24.
- Carlson, Theodore, Seattle, Wash. Clamshell bucket. 1,760,812; May 27.
- Carlson, Victor E., San Diego, Calif. Sewing cabinet. 1,752,834; Apr. 1.
- Carlson, Wendell L., Schenectady, N. Y., assignor to General Electric Company. Radio signaling apparatus. 1,770,838; July 15.
- Carlson, Wilhelm, San Antonio, Tex. Demountable supporting signal-switch mechanism. 1,742,754; Jan. 7.
- Carlsson, Carl V., Upplands-Vasby, Sweden. Cooking apparatus. 1,783,601; Dec. 2.
- Carlstedt, Fredrik. (See Engberg, A. O., and Carlstedt.)
- Carlstrom, Carl A., New York, N. Y. Butter cutter. 1,747,502; Feb. 18.
- Carlton, Richard P., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive article and making the same. 1,775,631; Sept. 16.
- Carman, Earl, Walton, N. Y. Vertically-adjustable partition bar for stables. 1,780,577; Nov. 4.
- Carman, Edwin S., East Cleveland, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Mechanism for shaking out molds. 1,768,233; June 24.
- Carman, William, Ellenville, N. Y. Pocketknife. 1,743,022; Jan. 7.
- Carmany, Jacob R., Newberry, Mich. Closure fastener. 1,773,773; Aug. 26.
- Carmean, James H. (See Carmean, Samuel M. and J. H.)
- Carmean, Samuel M. and J. H., Kansas City, Mo. Thermostatic control for electric heaters. 1,780,462; Nov. 4.
- Carmer, Lawrence I., Matawan, N. J. Burial vault. 1,779,928; Oct. 28.
- Carmichael, Andrew J. (See Eddy, N., Carmichael, Thurber, and Balzano.)
- Carmichael, Andrew J. (See Lawton, H. A., and Carmichael.)
- Carmichael, Andrew J., assignor to The Greist Manufacturing Company, New Haven, Conn. Lamp-shade holder. 1,756,937; May 6.
- Carmichael, Andrew J., New Haven, Conn., assignor to The Greist Manufacturing Company. Sewing-machine ruffler. 1,786,517; Dec. 30.
- Carmichael, Andrew J., and O. Balzano, New Haven, Conn., assignors to The Greist Manufacturing Company. Sewing-machine presser foot. 1,784,177; Dec. 9.
- Carmichael, Andrew J., and A. M. Wunderlich, New Haven, Conn., assignors to The Greist Manufacturing Company. Sewing-machine-attachment holder. 1,765,481; June 24.
- Carmichael, Mead S., Sparta, Wis., assignor to Scott-Viner Company, Columbus, Ohio. Cleaning and washing device. 1,760,041; May 27.
- Carmosin, Carl, Great Neck, N. Y. Safety gas cock. 1,759,433; May 20.
- Carnahan, Glen C., assignor to James B. Clow & Sons, Chicago, Ill. Gas-burning apparatus. 1,756,280; Apr. 29.
- Carnahan, Glen C., assignor to James B. Clow & Sons, Chicago, Ill. Gas-fired radiator. 1,765,759; June 24.
- Carnahan, Ralph W. (See Love, William J., jr., assignor.)
- Carnation Company. (See Brooks, William H., assignor.)
- Carne, Sydney B., San Francisco, Calif. Band-player's music rack. 1,772,478; Aug. 12.
- Carnegie Institution of Washington. (See Benloff, Hugo, assignor.)
- Carnelli, Francis J. (See Jones, Louis W., assignor.)
- Carnelli, Francis J., Jamaica, N. Y. Vise. 1,760,192; May 27.
- Carney, George A., Dorchester, Mass. Skate. 1,782,499; Nov. 25.
- Carney, John J., assignor to The Bristol Company, Waterbury, Conn. Compensating apparatus for thermoelectric couples. 1,745,149; Jan. 28.
- Carney, Samuel C., San Francisco, Calif., assignor to Shell Petroleum Corporation. Treatment of hydrocarbons. Re17,898; Dec. 9.
- Carney, Samuel C., Tulsa, Okla., assignor to Shell Petroleum Corporation. Refrigeration. 1,755,810; Apr. 22.
- Carney, Samuel C., Tulsa, Okla., assignor to Shell Petroleum Corporation. Treatment of hydrocarbons. 1,768,827; July 1.
- Carns, Edmund B., Naugatuck, Conn., assignor to Cairns Development Company, Wilmington, Del. Airplane. Des. 80,563; Feb. 25.
- Carns, Edmund B., Naugatuck, Conn., assignor to Cairns Development Company, Wilmington, Del. Wind-exposed surface. 1,779,113; Oct. 21.
- Carns, Edmund B., Naugatuck, Conn., assignor to Cairns Development Company, Wilmington, Del. Aerofoil. 1,781,160; Nov. 11.
- Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Power plant for airplanes. 1,745,349; Feb. 4.
- Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Metal fuselage or body. 1,749,757; Mar. 11.
- Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Making metal fabrics. 1,750,831; Mar. 18.
- Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Wing construction for aircraft. 1,750,832; Mar. 18.
- Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Tubular member. 1,750,833; Mar. 18.
- Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Metal fuselage. 1,750,834; Mar. 18.
- Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Wing for aircraft. 1,781,159; Nov. 11.
- Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Laminated sheet structure. 1,784,511; Dec. 9.
- Carns, Elliott, New York, N. Y. Dispensing device. 1,758,999; May 20.
- Caro Cloth Corporation. (See Chase, Charles H., assignor.)
- Caro Cloth Corporation. (See Walsh, Patrick H., assignor.)
- Caro, Nikodem, A. R. Frank, H. H. Franck, and H. Heilmann, Berlin, Germany. Preparation of cyanamides of the alkaline-earth metals and magnesium. 1,745,350; Feb. 4.
- Carol Engineering, Inc. (See McElroy, R. H., and Meehan, assignors.)
- Carolyn Laundry. (See Vita, Charles S., assignor.)
- Caroselli, Bernard, and H. G. Essman, New York, N. Y.; said Caroselli assignor to said Essman. Hand signal light. 1,764,549; June 17.
- Carothers, Charles F., Salome, Ariz. Cattle poke. 1,764,827; June 17.
- Carpe, Allen, New York, N. Y., assignor to American Telephone and Telegraph Company. Single-side-band carrier system. 1,747,160; Feb. 18.
- Carpe, Allen, New York, N. Y., assignor to American Telephone and Telegraph Company. Equalization for carrier systems. 1,784,176; Dec. 9.
- Carpe, Allen, New York, N. Y., assignor to American Telephone and Telegraph Company. Voice-controlled circuits. 1,784,178; Dec. 9.
- Carpenter, B. G., & Co. Inc. (See Carpenter, Lansing T., assignor.)
- Carpenter, Benjamin H., Roxbury, Mass. Hanger. 1,769,015; July 1.
- Carpenter, Carlos C. (See Baker, R. A., and Carpenter.)
- Carpenter, Charles A., Baldwinsville, N. Y. Snowplow. 1,770,587; July 15.
- Carpenter, Charles E., Chicago, Ill. Doughnut machine and the like. 1,747,503; Feb. 18.
- Carpenter, Charles E., Chicago, Ill. Safety razor and the like. 1,747,815; Feb. 18.
- Carpenter, Charles E., Chicago, Ill. Dough-batch feeder and the like. 1,776,780; Sept. 30.
- Carpenter, Charles E., Chicago, Ill. Doughnut machine and the like. 1,776,781; Sept. 30.
- Carpenter, Charles E., assignor to E. F. Houghton & Company, Philadelphia, Pa. Device for testing relative frictional characteristics of materials. 1,772,415; Aug. 5.
- Carpenter, Charles F., Schenectady, N. Y., assignor to General Electric Company. Motor-starting switch. 1,761,773; June 3.
- Carpenter, Charles F., Schenectady, N. Y., assignor to General Electric Company. Switch-operating mechanism. 1,768,461; June 24.
- Carpenter, Charles F., Schenectady, N. Y., assignor to General Electric Company. Electric contact. 1,770,839; July 15.
- Carpenter, Charles F., Schenectady, N. Y., and D. I. Bohn, Badin, N. C., assignors to General Electric Company. Time-element electroresponsive device and system employing the same. 1,761,772; June 3.
- Carpenter Container Corporation. (See Carpenter, Herbert L. and J. N., assignors.)
- Carpenter, Davis, New York, N. Y. Hinge structure for sidewalk doors. 1,768,308; June 24.
- Carpenter, E. W., Manufacturing Company, The. (See Carpenter, Edward W., assignor.)
- Carpenter, Edward W., Fairfield, assignor to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Knife sharpener. Des. 82,929; Dec. 30.

- Carpenter, Glenn W., Schenectady, N. Y., assignor to General Electric Company. Receiving apparatus. 1,774,421; Aug. 26.
- Carpenter, Guy, New York, N. Y. Spark arrester. 1,742,198; Jan. 7.
- Carpenter, Guy, New York, N. Y. Spark arrester. 1,746,818; Feb. 11.
- Carpenter, Guy, New York, N. Y. Spark and cinder arrester for steam engines. 1,747,619; Feb. 18.
- Carpenter, Harry B. (See Weaver, Eugene L., assignor.)
- Carpenter, Herbert L. and J. N., Brooklyn, assignors to Carpenter Container Corporation, New York, N. Y. Container head. 1,764,389; June 17.
- Carpenter, Irving C., New York, N. Y., and A. R. Moorman, Tulsa, Okla., assignors, by mesne assignments, to Contact Filtration Company, San Francisco, Calif. Decolorization of hydrocarbons. 1,759,348; May 20.
- Carpenter, Ivan S., assignor to Gardner-Denver Company, Denver, Colo. Car-lifting means. 1,776,884; Sept. 30.
- Carpenter, James N. (See Carpenter, Herbert L. and J. N.)
- Carpenter, Lansing T., assignor to B. G. Carpenter & Co. Inc., Wilkes-Barre, Pa. Crepe-steaming rack. 1,752,884; Apr. 1.
- Carpenter, Lewis A., Brookline, Mass. Safety razor. 1,774,419; Aug. 26.
- Carpentier, Melbourne L., assignor to Chrysler Corporation, Detroit, Mich. Oil filler. 1,751,440; Mar. 18.
- Carpenter, Patrick S., et al. (See Biette, Henry C., assignor.)
- Carpenter, Paul. (See Dellenbarger, Charles E., assignor.)
- Carpenter, R. E. H., Purley, England. Electron-discharge device. 1,775,886; Sept. 16.
- Carpenter, Robert F. and T. F. Anderson, assignors to Sanymetal Products Company, Cleveland, Ohio. Costumer. 1,762,545; June 10.
- Carpenter, Russell, Three Rivers, Quebec, Canada. Drier apparatus for paper-making machines. 1,756,630; Apr. 29.
- Carpenter, Russell H., Madison, Wis. Food strainer. 1,753,693; Apr. 8.
- Carpenter, Theodore H., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Apparatus for pressure control. 1,785,807; Dec. 23.
- Carpenter, Warren W. (See Clark, E. H., and Carpenter.)
- Carpenter, Warren W., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,747,224; Feb. 18.
- Carpenter, Warren W., Queens Village, and R. E. Hersey, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic toll switching telephone system. 1,780,906; Nov. 11.
- Carpenter, Warren W., Queens Village, N. Y., and L. H. Johnson, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone metering system. 1,778,309; Oct. 14.
- Carpenter, William C., San Francisco, Calif. Fuel-briquette forming and baking machine. 1,785,827; Dec. 23.
- Carper, Joseph B., Louisville, Ky. Production of paints. 1,781,435; Nov. 11.
- Carpinella, Domenico, and D. Musto, Boston, Mass. Imitation reed furniture and fabric for making the same. 1,775,485; Sept. 9.
- Carpinetti, Arnaldo, Buenos Aires, Argentina. Army traveling kitchen. 1,745,980; Feb. 4.
- Carr Chain Works, Inc. (See Woodhouse, John S., assignor.)
- Carr, Charles W., Meadow Grove, Nebr. Valve-spring lifter. 1,783,827; Dec. 2.
- Carr, Charles W., and E. I. Tripp, Susanville, assignors of one-fourth to F. B. Hutchins, San Francisco, and one-fourth to E. B. Birmingham, Susanville, Calif. Splining machine. 1,785,728; Dec. 23.
- Carr, Edward G., Chicago, Ill. Earth-mold-making machine. 1,768,663; July 1.
- Carr, Edward G., Chicago, Ill., assignor to The Lakewood Engineering Company, Lakewood, Ohio. Concrete-placing apparatus. 1,743,114; Jan. 14.
- Carr, Francis T. F., Glasgow, Scotland. Golf club. 1,743,957; Jan. 14.
- Carr, Fred S., deceased, Newton, by United-Carr Fastener Corporation, Cambridge, Mass., assignee. Separable fastener. Re17,581; Feb. 4.
- Carr, Fred S., deceased, Newton, Mass., by United-Carr Fastener Corporation, Cambridge, Mass., assignee. Shiftable nut fastening. Re17,870; Nov. 18.
- Carr, Fred S., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 1,743,880; Jan. 14.
- Carr, Fred S., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,748,047; Feb. 18.
- Carr, Fred S., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 1,754,209; Apr. 8.
- Carr, Fred S., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Nut and screw fastening. 1,755,590; Apr. 22.
- Carr, Fred S., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Nut-fastening installation. 1,756,631; Apr. 29.
- Carr, Fred S., Newton, Mass., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 1,758,884; May 13.
- Carr, Fred S., deceased, Newton; M. F. Carr, executor, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Trimming installation. 1,760,265; May 27.
- Carr, Fred S., deceased, Newton; M. F. Carr, executor, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Trimming installation. 1,760,266; May 27.
- Carr, Fred S., deceased, Newton; M. F. Carr, executor, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Upholstery installation. 1,760,267; May 27.
- Carr, Fred S., Newton; M. F. Carr, executor, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Nut and screw fastening. 1,760,834; May 27.
- Carr, Fred S., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,765,052; June 17.
- Carr, Fred S., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener stud. 1,765,053; June 17.
- Carr, Fred S., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Nut and screw fastening. 1,768,505; June 24.
- Carr, Fred S., deceased, Newton, M. F. Carr, executor, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,768,506; June 24.
- Carr, Fred S., deceased, Newton, M. F. Carr, executor, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,768,507; June 24.
- Carr, George, Pettus, assignor of one-half to T. M. Lewis, Charleston, W. Va. Journal lubricator. 1,768,114; June 24.
- Carr, George R. (See Everett, Claud H., assignor.)
- Carr, Helena E., Harrison, Mont. Berry picker. 1,780,376; Nov. 4.
- Carr, Harold J., New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Screw cap. 1,784,089; Dec. 9.
- Carr, Hugh R., assignor to International Combustion Engineering Corporation, New York, N. Y. Air preheater. 1,771,995; Aug. 5.
- Carr, James A., assignor to Owl Drug Company, San Francisco, Calif. Jar or similar container. Des. 80,777; Mar. 25.
- Carr, John, deceased, assignor of one-eighth to C. G. Kaul and one-eighth to N. A. Page, East Cleveland, Ohio; G. H. Forrier, executor. Carburation apparatus. 1,779,408; Oct. 28.
- Carr, John E., Atlanta, Ga. Loose-leaf binder. 1,755,770; Apr. 22.
- Carr, John O. (See Krum, H. L., and Carr.)
- Carr-Lowrey Glass Co. (See Garwood, Charles B., assignor.)
- Carr, Maurice L., New York, N. Y. Metallic structure. 1,786,822; Dec. 30.
- Carr, Moses F., executor. (See Carr, Fred S.)
- Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 1,754,210; Apr. 8.
- Carr, Moses F., Lexington, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,755,591; Apr. 22.
- Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Buckle device. 1,755,592; Apr. 22.
- Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,758,908; May 13.
- Carr, Moses F., Lexington, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable snap-fastener element. 1,758,906; May 13.
- Carr, Moses F., Lexington, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable snap-fastener element. 1,758,907; May 13.
- Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Tack-attached button. 1,760,835; May 27.
- Carr, Moses F., Lexington, assignor to United-Carr Fastener Company, Cambridge, Mass. Separable snap fastener. 1,761,612; June 3.
- Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Sheet-metal button and making the same. 1,765,054; June 17.
- Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Tack-attached sheet-metal button. 1,765,055; June 17.
- Carr, Moses F., Lexington, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating system. 1,767,511; June 24.
- Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,778,703; Oct. 14.
- Carr, Moses F., Lexington, Mass., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastening installation. 1,785,825; Dec. 23.
- Carr, Norman R., and C. C. Miller, assignments to Animal Trap Company of America, Liltz, Pa. Animal snare. 1,776,782; Sept. 30.

- Carr, Ryder & Adams Company. (See Coleman, Charles W., assignor.)
- Carr, William, Rutherford, N. J. Muzzle for horses. 1,773,774; Aug. 26.
- Carr, William C., Richmond, Va. Exercising and massaging machine. 1,782,866; Nov. 25.
- Car-Record Company, The. (See Souter, Eugene H., assignor.)
- Carrey, John O., assignor to C. & C. Engineering Company, Inc., St. Louis, Mo. Vacuum refrigerator and maintaining vacuum therein. 1,747,969; Feb. 18.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Composition for oilless bearings and producing same. 1,764,094; June 17.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Adjustable mounting. 1,781,161; Nov. 11.
- Carrey-Morse Engineering Company. (See Carrey, John O., assignor.)
- Carrier Construction Company. (See Gamble, William J., assignor.)
- Carrier Construction Company. (See Lea, Edward S., assignor.)
- Carrier Engineering Corporation. (See Carrier, Willis H., assignor.)
- Carrier Engineering Corporation. (See Gamble, W. J., Stacey, and Thornton, assignors.)
- Carrier Engineering Corporation. (See LeGrand, Joseph M., assignor.)
- Carrier Engineering Corporation. (See Schmidt, George G., assignor.)
- Carrier, Hermenegilde, Amesbury, Mass., assignor, by mesne assignments, of one-half to E. N. Cummings, Amesbury, Mass. Door latch. 1,769,489; July 1.
- Carrier, Lucien. (See Tardif, O., and Carrier.)
- Carrier, Willis H., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Fluid pump or compressor. 1,760,475; May 27.
- Carrier, Willis H., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Method and system for ventilating and attemperating auditoriums and the like. 1,775,749; Sept. 16.
- Carrier, Willis H., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Refrigeration. 1,781,051; Nov. 11.
- Carrigan, George W., Cleburne, Tex. Superheater-unit testing device. 1,781,494; Nov. 11.
- Carriger, Clarence, Enid, Okla. Trailer brake. 1,748,635; Feb. 25.
- Carrigus, Clarence G., Bristol, assignor, by mesne assignments, to Wm. H. Bristol Talking Picture Corporation, Waterbury, Conn. Speed-control apparatus. 1,782,990; Nov. 25.
- Carillo, Jesus L., assignor of one-half to M. Cherry, Wilmington, Calif. Cash register. 1,760,744; May 27.
- Carrington, Foster R., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for testing electrical conductors. 1,743,318; Jan. 14.
- Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Rotary casting apparatus. 1,776,540; Sept. 23.
- Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Container for rotary casting apparatus. 1,776,541; Sept. 23.
- Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Cooling system. 1,776,542; Sept. 23.
- Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Cooling system. 1,776,543; Sept. 23.
- Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Casting ladle. 1,776,544; Sept. 23.
- Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Apparatus for cooling molds. 1,776,545; Sept. 23.
- Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Cooling system. 1,776,546; Sept. 23.
- Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Pipe-extracting apparatus. 1,776,547; Sept. 23.
- Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Trough. 1,776,548; Sept. 23.
- Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Cooling system. 1,776,577; Sept. 23.
- Carrington, Malcolm, and J. H. Klinck, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Desk. 1,786,823; Dec. 30.
- Carrington, Walter H., Pittsburgh, Pa. Garbage furnace. 1,747,816; Feb. 18.
- Carroll, Dallas C., assignor to The Firestone Steel Products Company, Akron, Ohio. Punch press. 1,768,357; June 24.
- Carroll, Edward L., assignor to D. D. MacMechan and H. E. Young, Detroit, Mich. Package. 1,744,104; Jan. 21.
- Carroll, Emil J., assignor to The American Laundry Machinery Company, Norwood, Ohio. Laundry machinery. 1,758,594; May 13.
- Carroll, Emil J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Pressing machine. 1,776,679; Sept. 23.
- Carroll, Emil J., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Controlling mechanism for drying tumblers. 1,786,191; Dec. 23.
- Carroll, Emil J., Norwood, and G. W. Johnson, Bond Hill, assignors to The American Laundry Machinery Company, Norwood Station, Cincinnati, Ohio. Rotary rug washing and finishing machine. 1,754,306; Apr. 15.
- Carroll, Eugene G., Los Angeles, Calif., assignor to The Dual-Brake Corporation, New York, N. Y. Fluid-brake apparatus for automobiles. 1,770,064; July 8.
- Carroll, Frank, San Enselmo, Calif. Dispensing device. 1,752,885; Apr. 1.
- Carroll, Fred M., Yonkers, N. Y. Machine for operating upon weblike material. 1,778,483; Oct. 14.
- Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Individually-resettable accumulator-unit tabulator. 1,750,459; Mar. 11.
- Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. One-revolution clutch. 1,761,774; June 3.
- Carroll, Jack. (See Sealy, P. M., and Carroll.)
- Carroll, John, Wheeling, W. Va., assignor to The Reeves Manufacturing Company, Dover, Ohio. Galvanizing machine. 1,787,141; Dec. 30.
- Carroll, John B., Oak Park, Ill. Calendar. 1,749,562; Mar. 4.
- Carroll, John E., Chicago, Ill. Motion-translating device. 1,759,039; May 20.
- Carroll, John E., Chicago, Ill. Vending machine. 1,777,715; Oct. 7.
- Carroll, John P. (See Newman, W. J., and Carroll.)
- Carroll, Monroe W., Beaumont, Tex. Well-boring apparatus. 1,755,424; Apr. 22.
- Carroll, Robert A. (See Elliott, H. L., and Carroll.)
- Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether film and composition for making the same. 1,763,035; June 10.
- Carroll, Thomas, Hampton, Va. Airplane landing gear. 1,779,801; Oct. 28.
- Carroll, Thomas, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,755,499; Apr. 22.
- Carroll, Vincent D., Chicago, Ill. Coffee urn. 1,780,996; Nov. 11.
- Carrozza, Theodore, Bronx, N. Y. Constructing interlocking structures. 1,754,261; Apr. 15.
- Carry, Edward F., Chicago, Ill. Car vestibule and door arrangement. 1,755,239; Apr. 22.
- Carson, Clarence M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Composition of matter and employing same. 1,750,460; Mar. 11.
- Carson, Clarence M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Gasproof balloon fabric. 1,779,389; Oct. 21.
- Carson, George H. (See Ormsby, Charles E., assignor.)
- Carson, Hiram J., Cedar Rapids, Iowa. Shut-off cock. 1,759,221; May 20.
- Carson, Jesse F., East Cleveland, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Floor polisher. 1,759,731; May 20.
- Carson, John E. (See Beeson, Joseph W., assignor.)
- Carson, Paul A., Pittsburgh, and W. Broad, Beaver Falls, Pa. Hole cutter. 1,745,779; Feb. 4.
- Carson Pirie Scott & Co. (See Farago, Joe, assignor.)
- Carson, William H., Norman, Okla. Mixing, heating, and distributing unit for confections. 1,757,234; May 6.
- Carson, William W., Jr. (See Giesler, J. V., Carson, and Clark.)
- Carson, William W., Jr., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatically-controlled valve mechanism. 1,784,041; Dec. 9.
- Carson, William W., Jr., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Thermostat support. 1,784,042; Dec. 9.
- Carsten, William H., Seattle, Wash. Pump. 1,764,433; June 17.
- Carstens, Carl E., assignor to Anaconda Copper Mining Company, Anaconda, Mont. Treating copper ores preparatory to leaching. 1,782,841; Nov. 25.
- Carswell, Harold T., Bryn Athyn, Pa. Casement window. 1,744,158; Jan. 21.
- Carter, Ainslie T., Albany, N. Y., assignor, by mesne assignments, to General Railway Signal Company. Electrical contact. 1,743,807; Jan. 14.
- Carter, Alva B., Lincoln, Nebr. Coating composition. 1,747,661; Feb. 18.
- Carter, Alva J. (See Schmidling, Gilbert T., assignor.)
- Carter, Alva J., assignor to Carter Radio Company, Chicago, Ill. Rheostat and potentiometer. 1,753,314; Apr. 22.
- Carter, Andrew G., assignor to The Carter Products Company, Inc., Grand Rapids, Mich. Wheel or pulley for band saws. 1,765,402; June 24.
- Carter, Andrew G., assignor to The Carter Products Company, Inc., Grand Rapids, Mich. Wheel or pulley for band saws. 1,765,403; June 24.
- Carter Carburetor Corporation. (See Bicknell, George M., assignor.)
- Carter, Charles E., Indianapolis, assignor to Sterling Manufacturing Company, Fort Wayne, Ind. Receptacle. 1,752,146; Mar. 25.
- Carter, Charles R., et al. (See Congdon, Walter L., assignor.)

- Carter, Charles W., jr., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Thermionic vacuum tube. 1,762,212; June 10.
- Carter, Charlie. (See Collins, John, assignor.)
- Carter, Clarence W., Minneapolis, Minn., assignor, by mesne assignments, to Hart-Carter Company, Peoria, Ill. Liquid-flow regulator. 1,757,171; May 6.
- Carter, Clarence W., and C. P. Strite, Minneapolis, Minn. Frying bacon. 1,753,879; Apr. 8.
- Carter, Edgar B., assignor, by mesne assignments, to Eli Lilly and Company, Indianapolis, Ind. Ephedrine inhalant and producing same. 1,762,128; June 3.
- Carter, Elmer C., Oakwood Village, Dayton, assignor to The National Cash Register Company, Dayton, Ohio. Speed controller. 1,761,775; June 3.
- Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company. Signaling system. 1,748,754; Feb. 25.
- Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company. Communication system. 1,761,776; June 3.
- Carter, Emmett F., and H. E. Allen, Schenectady, N. Y., assignors to General Electric Company. System of distribution. 1,783,904; Dec. 2.
- Carter, Evershed. (See Carter, Frank and E.)
- Carter, Frank and E., assignors of one-third to G. M. Blackstone, Stamford, England. Injector-pump mechanism. 1,746,579; Feb. 11.
- Carter, Frank and E., assignors of one-third to G. M. Blackstone, Stamford, England. Cylinder head for internal-combustion engines. 1,770,732; July 15.
- Carter, Frank E. (See Like, Ralph M., assignor.)
- Carter, George R., Company, The. (See Bolender, Joel D., assignor.)
- Carter, Haskell C. (See Parker, C. J., Johnson, and Carter.)
- Carter, Haskell C., and H. E. Spieth, assignors to Iron Fireman Manufacturing Company, Portland, Ore. Apparatus for and method of forming castings. 1,779,763; Oct. 28.
- Carter, James D., Chicago, Ill. Scaling instrument. 1,768,828; July 1.
- Carter, John W., Neillsville, Wis. Automatic weather strip for doors. 1,785,872; Dec. 16.
- Carter, Leslie F., Leonia, N. J., assignor, by mesne assignments, to The Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic compass. 1,744,068; Jan. 21.
- Carter, Leslie F., Leonia, and F. S. Hodgman, Glen Rock, N. J., assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Ship's telegraph and recorder system. 1,787,066; Dec. 30.
- Carter, Lionel A., Webster Groves, assignor to Lehmann Machine Company, St. Louis, Mo. Milling machine. 1,744,362; Jan. 21.
- Carter, Lionel A., Webster Groves, and C. P. Steinmetz, assignors to Koken Companies, St. Louis, Mo. Electrically-operated barber pole. 1,762,958; June 10.
- Carter, Lionel A., Webster Groves, assignor to Koken Companies, St. Louis, Mo. Barber's chair. 1,770,197; July 8.
- Carter, Mitchell, Los Angeles, Calif. Making inflatable rubber balls. 1,743,425; Jan. 14.
- Carter, Otto B., New York, N. Y. Garment hanger. 1,758,932; May 20.
- Carter, Paul E., Bronxville, assignor to General Railway Signal Company, Rochester, N. Y. Railway signaling system. 1,748,910; Feb. 25.
- Carter Products Company, The. (See Carter, Andrew G., assignor.)
- Carter Radio Company. (See Carter, Alva J., assignor.)
- Carter, Rufus, jr., Chicago, Ill. Unloading clutch. 1,745,738; Feb. 4.
- Carter, Russell S., Hewlett, N. Y. Internal-combustion engine. 1,743,023; Jan. 7.
- Carter, Samuel C., assignor of thirty-five per cent to R. F. Belcher, Los Angeles, twenty per cent to W. H. Maxwell, Beverly Hills, and ten per cent to D. M. Callis, Long Beach, Calif. Power transmission. 1,783,533; Dec. 2.
- Carter, Sidney T., Parnassus, Pa. Propeller. 1,776,650; Sept. 23.
- Carter, Vetabelle P., San Francisco, Calif. Illuminated highway signal. 1,750,625; Mar. 18.
- Carter, Walter M., Greenwood, Miss. Road magnet. 1,759,687; May 20.
- Carter, William, Company, The. (See Hargraves, Hobart L., assignor.)
- Carter, William, Company, The. (See Redmond, Harriet L., assignor.)
- Carter, William C., Flint, Mich. Electrically-operated fuel pump for internal-combustion engines. 1,751,975; Mar. 25.
- Carter, William C., Flint, Mich. Carburetor. 1,751,976; Mar. 25.
- Carter, William C., Flint, Mich. Carburetor. 1,765,654; June 24.
- Carter, William C., Flint, Mich. Electrically-operated fuel pump. 1,779,420; Oct. 28.
- Carter, William C., Flint, Mich. Solenoid motor for fuel pump. 1,782,407; Nov. 25.
- Carter, William C., Flint, Mich. Carburetor. 1,784,864; Dec. 16.
- Carter, Winthrop L., assignor to Nashua Sure-Hold Company, Nashua, N. H. Holding band. 1,782,194; Nov. 18.
- Carter's Ink Company, The. (See Kendrick, Laurence W., assignor.)
- Carter's Ink Company, The. (See Lafrance, David J., assignor.)
- Carthage Mills Incorporated. (See Campbell, John B., assignor.)
- Carthage Mills Incorporated. (See Campbell, Neil L., assignor.)
- Cartier, Francois, Paris, France. Secret-telegraphy system. 1,767,121; June 24.
- Cartlidge, Frank, assignor to Cincinnati Mine Machinery Co., Cincinnati, Ohio. Mine cutter chain. 1,760,816; May 27.
- Cartlidge, Frank, Cincinnati, Ohio, assignor to Bertrand P. Tracy, Pittsburgh, Pa. Cutter chain. 1,777,515; Oct. 7.
- Cartlidge, Frank, assignor to Cincinnati Mine Machinery Co., Cincinnati, Ohio. Mining-machine cutter chain. 1,782,408; Nov. 25.
- Cartoning Machinery Corporation. (See Evans, H. L., and Hohl, assignors.)
- Cartoning Machinery Corporation. (See Hohl, George I., assignor.)
- Cartoning Machinery Corporation. (See Hohl, G. I., and Evans, assignors.)
- Cartwright, Edney B., Chattanooga, Tenn. Grave marker and flower stand. 1,763,130; June 10.
- Cartwright, Forest S., Indianapolis, Ind. Automobile gear shift. 1,771,431; July 29.
- Cartwright, Horace A., Toledo, Ohio. Internal-combustion motor. 1,762,214; June 10.
- Cartwright, Horace A., assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Conveyor for use with furnaces. 1,742,647; Jan. 7.
- Cartwright, Horace A., assignor to The Carwal Products Company, Fremont, Ohio. Differential mechanism. 1,743,060; Jan. 7.
- Caruso, Adolfo, New York, N. Y. Portable harmonium. 1,778,885; Oct. 21.
- Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Electric switch. 1,744,950; Jan. 28.
- Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Bumper. 1,752,731; Apr. 1.
- Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Reversible electric locomotive. 1,766,329; June 24.
- Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Electrical toy. 1,781,537; Nov. 11.
- Caruso, Mario, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Locomotive reversing switch. 1,766,600; June 24.
- Caruso, Mario, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy locomotive. 1,774,128; Aug. 26.
- Caruso, Romeo O., Reading, Pa. Hair-waving device. 1,757,557; May 6.
- Carvalho, Bertram N., et al., trustees. (See Blake, Charles C., assignor.)
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Sealing receptacles. 1,744,444; Jan. 21.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Closure. 1,755,168; Apr. 22.
- Carver, Benjamin F., Bayonne, N. J., assignor to Standard Oil Development Company. Detergent. 1,767,345; June 24.
- Carver Cotton Gin Company. (See McLean, Robert W., assignor.)
- Carver Cotton Gin Company. (See Wallace, Thomas P., assignor.)
- Carver, Donald C., Cambridge, Ohio. Air haven for flying machines. 1,746,101; Feb. 4.
- Carver File Company. (See Nielsen, L. C., and Fox, assignors.)
- Carver, Fred S., East Orange, N. J. Filter and fluid education means for presses. 1,771,526; July 29.
- Carver Textile Patents Limited. (See Carver, Thomas A. B., assignor.)
- Carver, Thomas A. B., Cheadle Hulme, England, assignor to Carver Textile Patents Limited, Manchester, England. Warp stop motion for looms. 1,775,887; Sept. 16.
- Carwal Products Company, The. (See Cartwright, Horace A., assignor.)
- Carwardine, George, Bath, England. Suspension for automobiles and the like. 1,773,218; Aug. 19.
- Cary, Clifford E., Chicago, Ill. Hinge means for lavatory bowls. 1,780,615; Nov. 4.
- Cary, John A., Laramie, Wyo. Hose and pipe clamp. 1,746,102; Feb. 4.
- Cary, Perry G., Blacks Ferry, Ky. Wagon. 1,757,899; May 6.
- Cary, Ralph L., Simpson, assignor of one-third to E. M. Brown, Salina, Kans. Oil can. 1,754,668; Apr. 15.
- Casablancas, Fernando, Sabadell, Spain. Mechanism for drawing textile roving. 1,760,745; May 27.
- Casablancas, Fernando, Sabadell, Spain. Drawing mechanism for textile rovings. 1,765,127; June 17.
- Casady, Asa E. (See Heston, C., Casady, and Pierson.)
- Casale, Antonio J., Washington, D. C. Culinary appliance. 1,742,232; Jan. 7.
- Casanave, Charles L., Chicago, Ill. Fountain dispenser. Des. 81,865; Aug. 26.

- Casapollo, Nicholas, New York, N. Y. Garbage can. 1,763,756; June 17.
- Casavant, Samuel, J. Hevey, and A. Letiecq, St. Hyacinthe, Quebec, Canada. Combination organ-stop action. 1,760,813; May 27.
- Cascade Fixture Company. (See Gleason, Homer E., assignor.)
- Cascade Fixture Company. (See Seeger, Oscar F., assignor.)
- Case, Arthur F. (See Lucas, J., and Case.)
- Case, Arthur F., assignor to The Wellman-Seaver Morgan Company, Cleveland, Ohio. Car-dumper clamp. 1,753,456; Apr. 8.
- Case, Arthur F., assignor to The Wellman Engineering Company, Cleveland, Ohio. Car dumper. 1,757,932; May 6.
- Case, Arthur F., assignor to The Wellman Engineering Company, Cleveland, Ohio. Car-dumper control. 1,774,129; Aug. 26.
- Case, Charles C., jr., Hoosick Falls, N. Y. Combined door knocker and switch. 1,743,597; Jan. 14.
- Case, Charles R., Scenic, Wash. Dispensing cover. 1,767,742; June 24.
- Case, Dean J., Little Valley, N. Y. Razor. 1,764,506; June 17.
- Case, Francis M., Cleveland Heights, assignor to The Enterprise Manufacturing Company, Akron. Lubricating cap nut for fishing reels. 1,762,158; June 10.
- Case, Francis M., Cleveland, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Salt-water reel. 1,765,903; June 24.
- Case, Francis M., Cleveland Heights, assignor to The Peerless Paper Box Manufacturing Company, Cleveland, Ohio. Cardboard box. 1,777,716; Oct. 7.
- Case, Frank E., Erie, Pa., assignor to General Electric Company. Circuit controller. 1,760,814; May 27.
- Case, Harry L. (See Bouvier, G. A., and Case.)
- Case, J. I., Company. (See Brennan, Thomas, assignor.)
- Case, J. I., Company. (See Clausen, Leon R., assignor.)
- Case, J. I., Company. (See Davies, David P., assignor.)
- Case, J. I., Company. (See Hanson, Helmer H., assignor.)
- Case, J. I., Company. (See Hendrickson, Robert O., assignor.)
- Case, J. I., Company. (See Hendrickson, R. O., and Larsen, assignors.)
- Case, J. I., Company. (See MacGregor, Wallace F., assignor.)
- Case, J. I., Company. (See MacGregor, W. F., and Krause, assignors.)
- Case, J. I., Company. (See Walsh, James A., assignor.)
- Case, Lee C., assignor to Wilcox Products Corporation, Saginaw, Mich. Shipping package for tappets. 1,744,211; Jan. 21.
- Case, Lynn B., assignor to John Waldron Corporation, New Brunswick, N. J. Coating machine. 1,747,104; Feb. 11.
- Case, Lynn B., Highland Park, assignor to John Waldron Corporation, New Brunswick, N. J. Tension regulator. 1,752,147; Mar. 25.
- Case, Owen S., Walden, Colo. Wall rack or cabinet. 1,777,911; Oct. 7.
- Case Research Laboratory Incorporated. (See Case, Theodore W., assignor.)
- Case, Roy L., Racine, Wis. Process and apparatus for feathering arrows. 1,772,885; Aug. 12.
- Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Apparatus for producing photographic records of light variations corresponding to sound variations. 1,747,225; Feb. 18.
- Case, Theodore W., assignor to Case Research Laboratory, Inc., Auburn, N. Y. Source of light. 1,747,287; Feb. 18.
- Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Talking-picture apparatus. 1,749,412; Mar. 4.
- Case, Theodore W., assignor to Case Research Laboratory, Inc., Auburn, N. Y. Camera. 1,753,002; Apr. 1.
- Case, Theodore W., assignor to Case Research Laboratory, Inc., Auburn, N. Y. Apparatus for producing photographic records. 1,759,434; May 20.
- Case, Theodore W., Auburn, assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Reproducing slit. 1,774,253; Aug. 26.
- Case, Theodore W., assignor to Case Research Laboratory, Inc., Auburn, N. Y. Talking-picture machine. 1,781,945; Nov. 18.
- Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Inductive light source. 1,785,070; Dec. 16.
- Casella, Secondo L., New York, and O. K. Reinhardt, Jamaica, N. Y., assignors, by mesne assignments, to Bofed Electric Corporation, Jersey City, N. J. Soldering machine. 1,743,755; Jan. 14.
- Caselman, Everett E., Kansas City, Kans. Combination bag and parcel rack and dolly. 1,758,144; May 13.
- Casement Hardware Co. (See Spencer, C. E., and Roberts, assignors.)
- Casey-Hedges Company, The. (See Carlson, Carl T., assignor.)
- Casey-Hedges Company, The. (See Moses, A. J., and Wright, assignors.)
- Casey, John J., Rockport, Mass. Filling device for tanks. 1,747,424; Feb. 18.
- Casey, Robert S., assignor to W. A. Scheaffer Pen Co., Fort Madison, Iowa. Closure means for containers. 1,773,475; Aug. 19.
- Casey, Thomas W., Akron, assignor to Seiberling Latex Products Company, Barberton, Ohio. Hot-water bottle. Des. 82,370; Oct. 28.
- Casey, William F. J., and G. Cavin, Kingston, Ontario, Canada, and C. E. Brooks, Montreal, Quebec, Canada. Tank car. 1,769,490; July 1.
- Casey, William J., assignor to Columbia Metal Products Company, Chicago, Ill. Beater. 1,744,445; Jan. 21.
- Casey, William P., Oshkosh, Wis. Woodworking machine. 1,745,780; Feb. 4.
- Casey, William P., Oshkosh, Wis. Electric handsaw. 1,779,031; Oct. 21.
- Cash, A. W., Company. (See Terry, Charles M., assignor.)
- Cash, Dallas, Akron, Ohio. Hat. Des. 80,778; Mar. 25.
- Cash, Ida, Brooklyn, N. Y. Musical educational toy. 1,754,458; Apr. 15.
- Cash, Ida, Brooklyn, N. Y. Musical educational toy. 1,754,459; Apr. 15.
- Cash, Robert J., Los Angeles, Calif. Golf-club head. Des. 81,321; June 10.
- Cash, William A. (See Stephens, F. G. C., Anderson, and Cash.)
- Cashel, John A., Worthington, Minn. Aeroplane. 1,785,295; Dec. 16.
- Caskey, Albert B. (See Neil, D. W., jr., and Caskey.)
- Caskey, Emmett, Council Bluffs, Iowa. Rotary pump. 1,750,212; Mar. 11.
- Caskin, Langdon, Devon, Pa. Snow-shovel attachment for vehicles. 1,749,465; Mar. 4.
- Casner, Thaddeus S., Plainfield, N. J., assignor to Radio Electric Clock Corporation, New York, N. Y. Pendulum-drive master clock. 1,747,103; Feb. 11.
- Casner, Thaddeus S., Plainfield, N. J., assignor to Radio Electric Clock Corporation, New York, N. Y. Selector. 1,759,540; May 20.
- Casper, Frank L., Howes Cave, N. Y. Table-leaf support. 1,782,059; Nov. 18.
- Cass, L. E., Inc. (See Defibaugh, Mark A., assignor.)
- Cassady, George, New Westminster, British Columbia, Canada. Fluid-pressure transmission device. 1,767,276; June 24.
- Cassé, Marcel, Essonnes, Seine-et-Oise, France. Lathe mechanism for oval turnings. 1,755,349; Apr. 22.
- Cassery, Thomas D., Chicago, Ill., assignor to Well-McLain Company, Michigan City, Ind. Heater. 1,749,904; Mar. 11.
- Cassidy, Perry, Darien, Conn., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat-insulating casing. 1,745,474; Feb. 4.
- Castagne, Charles H., Chicago, Ill. Parachute. 1,757,854; May 6.
- Castelli, Luigi, et al. (See Righetto, Ruggero, assignor.)
- Caster, Henry. (See Castor-Udell, Bessie, assignor.)
- Caster, John E., and F. S. Haas, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,776,241; Sept. 16.
- Caster-Udell, Bessie, assignor of one-tenth to N. S. Olive, Dodge City, Kans. Shield. 1,764,912; June 17.
- Caster-Udell, Bessie, assignor of one-tenth to H. Caster, Dodge City, Kans. Dog blanket. 1,772,827; Aug. 12.
- Castle, Frank E., Huntington, W. Va. Brush. 1,777,516; Oct. 7.
- Castle, Leon J. (See Webster, William A., assignor.)
- Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Simulating Natural Patterns. Re17,912; Dec. 30.
- Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Reproducing surface appearance of natural objects. 1,762,711; June 10.
- Casto, Lloyd V., assignor to The Oxford Varnish Corporation, Detroit, Mich. Reproduction of the natural appearances of articles on other surfaces. 1,766,426; June 24.
- Casto, Lloyd V., assignor to The Oxford Varnish Corporation, Detroit, Mich. Reproducing marble and wood grain surfaces. 1,773,948; Aug. 26.
- Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Photogravure roll. 1,773,949; Aug. 26.
- Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Plate mounting. 1,786,001; Dec. 23.
- Casto, Lloyd V., Detroit, Mich., assignor to Oxford Varnish Corporation. Plate mounting. 1,786,002; Dec. 23.
- Castonguay, Leger S., Akron, assignor by mesne assignments, to H. F. Freeman, Lakewood, Ohio. Engraving mechanism. 1,770,457; July 15.
- Castonguay, Leger S., Akron, assignor by mesne assignments, to H. F. Freeman, Lakewood, Ohio. Engraving mechanism. 1,770,458; July 15.
- Castorina, Vincenzo, West New York, N. J. Fishing apparatus. 1,747,926; Feb. 18.
- Castorlube Refining Co. (See Clough, Roscoe E., assignor.)
- Caswell, Geo. W., Co. (See Quinn, Joseph F., assignor.)
- Caswell, L. F. (See Brubaker, John C., assignor.)
- Caswell, Thomas W., and G. A. Kelly, Flint, Mich.; said Caswell assignor to said Kelly. Method of and apparatus for manufacturing concrete header blocks. 1,751,028; Mar. 18.
- Cataline, Benton, and E. C. Richard, Flint, assignors to General Motors Corporation, Detroit, Mich. Valve spring. 1,742,755; Jan. 7.
- Catalytic Chemical Company. (See Ackerman, Albert H., assignor.)
- Catelli Macaroni Products Corporation Limited. (See Bienvenu, Frank A., assignor.)
- Catellier, Aimee J. (See Hasselblad, C. G., and Catellier.)

- Cater, William B. (See Shanks, W., and Cater.)
 Caterpillar Tractor Co. (See Best, Clarence L., assignor.)
 Caterpillar Tractor Co. (See McDow, Lester, assignor.)
 Caterpillar Tractor Co. (See Patterson, E., and McDow, assignors.)
 Caterpillar Tractor Co. (See Smith, Horatio W., assignor.)
 Caterpillar Tractor Co. (See Thoen, Lowell H., assignor.)
 Caterpillar Tractor Co. (See Turnbull, William, assignor.)
 Caterpillar Tractor Co. (See Whitacre, William H., assignor.)
 Caterpillar Tractor Co. (See Wickersham, Elmer E., assignor.)
 Cates, James W., Coffeyville, Kans. Cake-icing machine. 1,753,549; Apr. 8.
 Cathcart-Cushman Rotary Motor Incorporated, The. (See Cathcart, Frank H., assignor.)
 Cathcart, Frank H., Alexandria, Va., assignor to The Cathcart-Cushman Rotary Motor Incorporated, Washington, D. C. Internal-combustion engine. 1,779,032; Oct. 21.
 Catlett, Elsie, South Jacksonville, assignor of one-half to L. Gilfillan, Jacksonville, Fla. Spool holder. 1,776,669; Sept. 16.
 Catlett, John E., San Francisco, Calif. Dishwashing machine. 1,781,052; Nov. 11.
 Catlett, Robert J., North Topeka, Kans. Propelling mechanism. 1,780,116; Oct. 28.
 Catlin, Arthur C., and M. J. Lambert, Youngstown, Ohio, assignors to Westinghouse Electric & Manufacturing Company. Control finger. 1,746,636; Feb. 11.
 Catlin, Gordon W. F., St. Albans, England. Apparatus for separating fat or other material from gases. 1,784,418; Dec. 9.
 Catlin, Joseph P., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Preserving form rolls. 1,749,316; Mar. 4.
 Catron, Frederick O., assignor of one-half to N. P. Catron, Memphis, Tenn. Filter for liquids. 1,765,323; June 17.
 Catron, Nettie P. (See Catron, Frederick O., assignor.)
 Cattaneo, Giuseppe, Hilversum, Netherlands, assignor to Allgemeine Gesellschaft für Chemische Industrie m. b. H., Berlin-Schöneberg, Germany. Recovery of sulphur dioxide from oils containing same. 1,758,595; May 13.
 Cattaneo, Giuseppe, Hilversum, Netherlands, and P. Jodeck, Berlin, assignors to Allgemeine Gesellschaft für Chemische Industrie m. b. H., Berlin, Germany. Continuous treatment of hydrocarbons with sulphur dioxide. 1,766,281; June 24.
 Cattell, Gilbert W., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Signal-control system. 1,779,585; Oct. 28.
 Catton, Thomas R., Berkeley, Calif. Lighter. Des. 82,135; Sept. 30.
 Cattran, Charles, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Printing roller. 1,785,673; Dec. 16.
 Cauchemont, Albert, Paris, France. Ventilating device. 1,784,783; Dec. 9.
 Caudle, Fred, et al. (See White, James F., assignor.)
 Caulfield, Carl C., Niles, Ohio. Lamp changer. 1,749,753; Mar. 11.
 Caulfield, Jacob S. (See Smith, F. L., Caulfield, and Peterson.)
 Caugherty, William E., Natrona, assignor to Allegheny Steel Company, Brackenridge, Pa. Annealing pickled sheets. 1,745,403; Feb. 4.
 Caughey, Reed J., Schenectady, N. Y., assignor to General Electric Company. Emergency governing mechanism for elastic-fluid turbines and the like. 1,756,850; Apr. 29.
 Caughlan, Martha W., Oakland, Calif. Reflector. 1,756,084; Apr. 29.
 Caughlan, Martha W., Oakland, assignor to American Woodlite Corporation, San Francisco, Calif. Compound reflector. 1,781,436; Nov. 11.
 Caughlan, Walter M. (See Isaacson, F., and Caughlan.)
 Cauldwell, Earl W., Lemont, Ill. Hammer. 1,770,390; July 15.
 Cauley, C. L., et al. (See Crowe, Frederic C., assignor.)
 Cauley, S. H., et al. (See Crowe, Frederic C., assignor.)
 Caulfield, Merville H., Philadelphia, Pa., assignor to The Karle Lithographic Company, Rochester, N. Y. Reducing carton. 1,722,625; Aug. 12.
 Caulkins, Cecil P. (See Spear, L. Y., and Caulkins.)
 Caulkins, George P., Detroit, Mich. Cable-fastening device. 1,767,432; June 24.
 Causan, Némorin L., Suresnes, France. Shock absorber. 1,761,870; June 3.
 Causse, Fernand P., Gennevilliers, France, assignor to Société Anonyme Le Carbone, Gennevilliers, Seine. France. Sensitive weighing and counting apparatus. 1,769,768; July 1.
 Cauté, Louis, Ezanville, France, assignor to L. Henry, Changai, China. Apparatus for the preparation of cinematographic films. 1,750,704; Mar. 18.
 Cauwenberg, Winfred J. (See Murch, W. M., and Cauwenberg.)
 Caux, Théophile, Lawrence, Mass. Drawing-in-filling preventer. 1,763,456; June 10.
 Cavadas, William E., New York, N. Y. Motor-cycle vending side car. 1,755,593; Apr. 22.
 Cavagnaro, John J., Ridgewood, N. J. Press. 1,763,131; June 10.
 Cavallini, Virginio, Rome, Italy. Structure of hulls for mine-laying submarine boats. 1,746,460; Feb. 11.
 Cavanagh, Hubert L., Indio, assignor of one-half to C. M. Westcott, Los Angeles, Calif. Promoting date culture. 1,765,482; June 24.
 Cavanagh, James, Cohasset, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Causing articles to adhere to one another. 1,779,368; Oct. 21.
 Cavanagh, John, South Norwalk, Conn. Box. 1,771,706; July 29.
 Cavanagh, John F., Providence, R. I. Piston-ring compressor. 1,751,977; Mar. 25.
 Cavanagh, Thomas F., New York, N. Y. Receptacle holder. 1,746,819; Feb. 11.
 Cavanaugh, Thomas P., Philadelphia, Pa. Web-controlling device for printing presses. 1,776,104; Sept. 16.
 Cave, Fred C., Des Moines, Iowa. Tire structure. 1,758,353; May 13.
 Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Brush structure. 1,749,732; Mar. 4.
 Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Floor brush. 1,749,737; Mar. 4.
 Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Sink-cleaning implement. 1,760,268; May 27.
 Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Brace for broom handles. 1,764,095; June 17.
 Cave, Henry, Hartford, and W. H. Rudolph, West Hartford, assignors to The Fuller Brush Company, Hartford, Conn. Making cleaning implements. 1,743,319; Jan. 14.
 Cave, Henry, Hartford, and C. F. Smith, West Hartford, assignors to The Fuller Brush Company, Hartford, Conn. Corner brush. 1,749,733; Mar. 4.
 Cave, Henry, Hartford, and C. F. Smith, West Hartford, assignors to The Fuller Brush Company, Hartford, Conn. Cleaning tool. 1,761,180; June 3.
 Cavin, Gustave. (See Casey, W. F. J., Cavin, and Brooks.)
 Cawley, Aloysius J., Pittston, Pa. Projection screen. 1,747,425; Feb. 18.
 Cawley, Aloysius J., Pittston, Pa. Projection system. 1,759,777; May 20.
 Cawthon, John S., Beech Bluff, Tenn. Fire alarm. 1,753,361; Apr. 8.
 Cayo, Clarence J., Detroit, Mich. Switch construction. 1,747,927; Feb. 18.
 Cayo, Julius N., Buchanan, Mich. Drill-press vise. 1,758,733; May 13.
 Caywood, Willis J., Raymond, Kans. Stalk cutter. 1,771,288; July 22.
 Cazal, Cassius E., Covington, Ky., and C. H. Longman, Norwood, Ohio. Aerial. 1,757,172; May 6.
 Cazal, Cassius E., Covington, Ky., assignor to The Metal Bound Brush & Broom Co., Cincinnati, Ohio. Shoe cleaner. 1,760,815; May 27.
 Ceasar, Paul, New York, N. Y. Electric-lamp bracket. 1,785,767; Dec. 23.
 Ceccarini, Olindo O., Mahwah, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal-transmission system. 1,765,523; June 24.
 Cecil, William, New York, N. Y. Glass holder for soda fountains. 1,742,635; Jan. 7.
 Cecil, William F., Holland, Mo. Cultivator attachment. 1,756,180; Apr. 29.
 Cedar Rapids Engineering Company. (See Dunn, Allen I., assignor.)
 Cederberg, Carl W., and N. G. Larson, assignors to Larson Tool & Stamping Company, Attleboro, Mass. Frame. 1,778,660; Oct. 14.
 Cederquist, Nils H., Alhambra, Calif. Tile panel backing. 1,747,426; Feb. 18.
 Ceglowski, Stephan, Portal, N. Dak. Automobile heating apparatus. 1,752,148; Mar. 25.
 Celander, Philip A., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Liquid-fuel-burning device for domestic purposes. 1,783,405; Dec. 2.
 Celanese Corporation of America. (See Addy, C. W., Billing, and Halkyard, assignors.)
 Celanese Corporation of America. (See Dickie, W. A., Platts, and Latham, assignors.)
 Celanese Corporation of America. (See Dreyfus, Camille, assignor.)
 Celanese Corporation of America. (See Dreyfus, C., and Blume, assignors.)
 Celanese Corporation of America. (See Dreyfus, C., and Platt, assignors.)
 Celanese Corporation of America. (See Dreyfus, C., and Schneider, assignors.)
 Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)
 Celanese Corporation of America. (See Ellis, George H., assignor.)
 Celanese Corporation of America. (See Ellis, G. H., and Mann, assignors.)
 Celanese Corporation of America. (See Ellis, G. H., Olpin, and Walker, assignors.)
 Celanese Corporation of America. (See Hall, Archibald J., assignor.)
 Celanese Corporation of America. (See Kinsella, Edward, assignor.)
 Celanese Corporation of America. (See Miles, C. W., and Dreyfus, assignors.)
 Celanese Corporation of America. (See Moss, William H., assignor.)
 Celanese Corporation of America. (See Palmer, C. W., and Fulton, assignors.)

- Celanese Corporation of America. (See Rivat, G., Cadgène, and Dreyfus, assignors.)
- Celastec Corporation, The. (See Fausse, Joseph, assignor.)
- Celastec Corporation, The. (See Schoenky, August R., assignor.)
- Celaya, Genaro, Los Angeles, Calif. Machine for husking coconuts. 1,781,215; Nov. 11.
- Celite Corporation. (See Miketta, Casimir A., assignor.)
- Cellacote Company, The. (See Beadle, Harold I., assignor.)
- Cellulized Oak Flooring, Inc. (See Bruce, Frank E., assignor.)
- Cellulized Oak Flooring, Inc. (See Fetz, Werner, assignor.)
- Cellocilk Company. (See Furness, William H., assignor.)
- Celluloid Corporation. (See Frankl, Paul T., assignor.)
- Celluloid Corporation. (See Walsh, J. F., Smith, and Caprio, assignors.)
- Cellulose Products, Inc. (See Wandel, Kurt, assignor.)
- Cellulose Utilities Corporation. (See McDaniel, Alonzo S., assignor.)
- Cellulose Utilities Corporation, The. (See Weidig, Jacob K., assignor.)
- Celma Company, The. (See Bassett, Edward W., assignor.)
- Celotex Company, The. (See Munroe, Treadway B., assignor.)
- Cement Gun Contracting Company. (See Collier, Bryan C., assignor.)
- Cement Gun Construction Co. (See Swann, Edward C., assignor.)
- Cemroc, Inc. (See Martin, Elmer R., assignor.)
- Cenci, Paul T. F., Los Angeles, Calif. One-man orchestra. 1,774,744; Sept. 2.
- Cen-Tennial Cotton Gin Company. (See Swope, Roy W., assignor.)
- Centofanti, Sam, and A. Marchetti, Youngstown, Ohio. Radiator cap and movable headlight. 1,784,043; Dec. 9.
- Central Alloy Steel Corporation. (See Farnsworth, Walter M., assignor.)
- Central Alloy Steel Corporation. (See Grossmann, M. A., and Williams, assignors.)
- Central Alloy Steel Corporation. (See Laffrey, William J., assignor.)
- Central Alloy Steel Corporation. (See Sergeson, Robert, assignor.)
- Central Alloy Steel Corporation. (See Smith, Earle C., assignor.)
- Central Automatic Sprinkler Company. (See Lewis, Leroy M., assignor.)
- Central Brass & Fixture Company, The. (See Dennis, Albert O., assignor.)
- Central Brass and Fixture Company, The. (See McCloud, Edward H., assignor.)
- Central Brass and Fixture Co., The. (See Rosenberg, Ralph H., assignor.)
- Central Electric Tool Company. (See Weyandt, Carl S., assignor.)
- Central Engineering and Sales Company. (See Uhri, William C., jr., assignor.)
- Central Flatiron Manufacturing Company. (See Heckman, Harry G., assignor.)
- Central Foundry Company, The. (See Crotty, Joseph J., assignor.)
- Central Frog & Switch Company, The. (See Ashton, George, assignor.)
- Central Furniture Frame Co. (See Stoll, Charles, assignor.)
- Central Furniture Frame Co. Inc. (See Stoll, Charles, assignor.)
- Central Glass Works. (See Schaub, Edward J., assignor.)
- Central Mine Equipment Company. (See Ormsby, Erle, assignor.)
- Central National Bank of Cleveland. (See McKee, Willis, assignor.)
- Central National Bank of Cleveland, trustee. (See Prachar, John, assignor.)
- Central Ohio Steel Products Company, The. (See Biszantz, Fred, assignor.)
- Central Radio Laboratories. (See Stoekle, Erwin R., assignor.)
- Central Railway Signal Company. (See Edmands, John W., assignor.)
- Central Scientific Company. (See Bandoly, Erich, assignor.)
- Central Scientific Company. (See Klopsteg, Paul E., assignor.)
- Central Scientific Company. (See Redman, Sterling L., assignor.)
- Central Scientific Company. (See Sachse, Herman P., assignor.)
- Central Scientific Company. (See Sherrill, Richard M., assignor.)
- Central Screw Company. (See Kellogg, Harry F., assignor.)
- Central Trust Company, administrator. (See Pierce, E. F., and Dickinson.)
- Central Trust Company, executor. (See Minnier, C. F., and Daniel.)
- Central Trust Company of Illinois, administrator. (See Stephenson, L. J., and Pierce.)
- Central United National Bank, The. (See McKee, Willis, assignor.)
- Central Valve Mfg. Co. (See Pope, Charles S., assignor.)
- Central Waxed Paper Company. (See Goddard, Paul L., assignor.)
- Centrifix Corporation. (See Hawley, Charles G., assignor.)
- Centrifix Corporation. (See Schutz, Joseph M., assignor.)
- Centrifugal Castings Limited. (See Hurst, J. E., and Ball, assignors.)
- Century Rotary Motor Corporation. (See Hermann, Otto, assignor.)
- Cenzi, Frank, St. Louis, Mo. Drier for dough products. 1,754,262; Apr. 15.
- Ceramic Machinery Company, The. (See Armstrong, William C., assignor.)
- Ceramic Machinery Company, Inc. (See Yingling, Frank B., assignor.)
- Ceres, Albert F., jr. (See Nelson, G. W., and Ceres.)
- Ceres, Jules. (See Good, R. W., and Ceres.)
- Cerro de Pasco Copper Corporation. (See Donahue, Thomas H., assignor.)
- Certain-teed Products Corporation. (See Codwise, Philip W., assignor.)
- Certain-teed Products Corporation. (See Gardner, Harry F., assignor.)
- Certain-teed Products Corporation. (See Griffith, George E., assignor.)
- Certain-teed Products Corporation. (See Otis, Edward C., assignor.)
- Certain-teed Products Corporation. (See St. Clair, O. A., and Tenney, assignors.)
- Certain-teed Products Corporation. (See Speer, Alexander S., assignor.)
- Certain-teed Products Corporation. (See Spengler, Charles, assignor.)
- Cesa, Joseph M., Antioch, Calif. Fireplace heater. 1,766,601; June 24.
- Cesareo, Orfeo, Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical switching system. 1,751,263; Mar. 18.
- Ceskomoravská Kolben-Danek Akciova Spolecnost. (See Maršik, Augustin, assignor.)
- Ceskoslovenská zbrojovka akciova spolecnost v Brne. (See Holek, Emanuel, assignor.)
- Ceskoslovenská zbrojovka akciova spolecnost v Brne. (See Holek, Václav, assignor.)
- Chace, Helma B., et al., executors. (See Chace, William M.)
- Chace, Hilma B., et al., executors. (See Chace, William M.)
- Chace, Norman B., assignor to The Fostick Machine Tool Company, Cincinnati, Ohio. Tool-dislodging device. 1,761,181; June 3.
- Chace, W. M., Valve Company. (See Chace, William M., assignor.)
- Chace, William M., deceased, Detroit, Mich.; A. H. Lindley, A. Cooper, and H. B. Chace, executors, assignors to W. M. Chace Valve Company, Detroit, Mich. Welding materials of dissimilar thermal characteristics. 1,755,425; Apr. 22.
- Chace, William M., deceased, A. H. Lindley, A. Cooper, and H. B. Chace, executors, assignors to W. M. Chace Valve Company, Detroit, Mich. Valve. 1,769,621; July 1.
- Chace, William M., deceased; A. H. Lindley, A. Cooper, and H. B. Chace, executors, assignors to W. M. Chace Valve Company, Detroit, Mich. Thermostat. 1,769,622; July 1.
- Chace, William M., deceased; A. H. Lindley, A. Cooper, and H. B. Chace, executors, assignors to W. M. Chace Valve Company, Detroit, Mich. Thermostatic element. 1,769,623; July 1.
- Chadbourne, Hartwell G., Seattle, Wash. Fireplace screen. 1,779,660; Oct. 28.
- Chadbourne, Joseph H., Charlotte, N. C., assignor to E. H. Jacobs Mfg. Co. Inc., Danielson, Conn. Loom picker. 1,753,061; Jan. 7.
- Chadbourne, Joseph H., assignor to E. H. Jacobs Manufacturing Company, Danielson, Conn. Machine for manufacturing loom pickers. 1,773,345; Aug. 19.
- Chadbourne, Philip R., Everett, Wash. Aeroplane. 1,764,932; June 17.
- Chadbourne, Weston F., Franklin, Mass. Snap-on clip. 1,780,169; Nov. 4.
- Chadeayne, George D., Brooklyn, N. Y. Relief valve or trap. 1,775,637; Sept. 16.
- Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)
- Chadwick, Alfred, assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage. 1,743,426; Jan. 14.
- Chadwick, Bernard, assignor of one-half to M. Kauffman, Syracuse, N. Y. License-number-plate holder. 1,776,618; Sept. 23.
- Chadwick, Lee S., Shaker Heights, and M. Resek, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Cleaning device for liquid-fuel burners. 1,747,347; Feb. 18.
- Chadwick, Lee S., Shaker Heights, and M. Resek, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Retort. 1,763,687; June 17.
- Chadwick, Lees W., Detroit, Mich. Producing bearings and apparatus therefor. 1,744,030; Jan. 21.
- Chafee, Earl W., Brooklyn, and F. C. Narvesen, East Rockaway, assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electrical transmission system. 1,743,189; Jan. 14.
- Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window-sash holder. 1,757,513; May 6.

- Chaffee, Emory L., Belmont, Mass., assignor to J. H. Hammond, jr. Radiant signaling system. 1,748,277; Feb. 25.
- Chaffee, Emory L., Belmont, Mass., assignor to J. H. Hammond, jr., Gloucester, Mass. Method of and system for radiosignaling. 1,776,065; Sept. 16.
- Chain Belt Company. (See Ball, Charles F., assignor.)
- Chain Belt Company. (See Collings, Byron B., assignor.)
- Chain Belt Company. (See Gary, Francis P., assignor.)
- Chain Belt Company. (See Longenecker, Charles I., assignor.)
- Chain Belt Company. (See Roddy, Gustav R., assignor.)
- Chain Belt Company. (See Shafer, Samuel, jr., assignor.)
- Chain Saw Corporation. (See Bens, Samuel J., assignor.)
- Chaka, Charles T. (See Reardon, J. J., and Chaka.)
- Chalfonte, Albin L. (See Guire, H. G., and Chalfonte.)
- Chalker, Albert R. (See Lower, N. M., Chalker, and McCurdy.)
- Chalker, Albert R. (See Lower, N. M., Kusebauch, and Chalker.)
- Chalker, Albert R., and E. A. Turner, Pittsburgh, Pa., assignors, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Reciprocating engine. 1,779,586; Oct. 28.
- Chalkley, Lyman, jr., State College, Pa. Machine for exhibiting photoluminescent images. 1,762,760; June 10.
- Challans, Eric W., King's Cross, London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Electromechanical device of the induction type. 1,748,944; Mar. 4.
- Challenge Company. (See Lund, John A., assignor.)
- Challenge Machinery Company, The. (See Lee, James E., assignor.)
- Challenge Refrigerator Company. (See Hillman, Herbert H., assignor.)
- Challinor, James O., Pittsburgh, Pa., assignor to United States Glass Company. Bracket. 1,743,529; Jan. 14.
- Chalmers, Charles E., New York, N. Y. Coin-changing device. 1,771,873; July 29.
- Chalmers, Charles E., New York, N. Y. Change-making machine. 1,775,118; Sept. 9.
- Chalmers, George W. (See Johnson, J. A., and Chalmers.)
- Chalmers, Harry B., New York, N. Y. Power transmission. 1,748,108; Feb. 25.
- Chalmers, Henry B., New York, N. Y. Variable-speed power transmission. 1,748,110; Feb. 25.
- Chalmers, Raymond W., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Export-shipping device. 1,761,969; June 3.
- Chamberlain, Alfred J., Milwaukee, Wis. Container. 1,770,892; July 15.
- Chamberlain Corporation. (See Chamberlain, Floyd L., assignor.)
- Chamberlain, Elizabeth G., executrix. (See Chamberlain, George E.)
- Chamberlain, Floyd L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer. 1,750,835; Mar. 18.
- Chamberlain, George E., deceased, Decatur, Ill.; E. G. Chamberlain, executrix. Crusher. 1,773,476; Aug. 19.
- Chamberlain, George L., Chicago, Ill. Multiple connecting device. 1,783,220; Dec. 2.
- Chamberlain, Harold B., East Orange, N. J., assignor to Teco Products Corporation, New York, N. Y. Floor construction. 1,749,563; Mar. 4.
- Chamberlain, Martin T., Joliet, Ill. Fiber-wall ice box. 1,770,065; July 8.
- Chamberlain, Martin T., Joliet, Ill. Coating machine. 1,783,955; Dec. 9.
- Chamberlain, Maurice S., Malvern, Ark. Rotary core bit. 1,750,744; Mar. 18.
- Chamberlain, Rufus N., Depew, assignor to Gould Storage Battery Company, Inc., New York, N. Y. Battery-box-container composition and making same. 1,755,500; Apr. 22.
- Chamberlain, Rufus N., et al. (See Levings, Sherburne D., assignor.)
- Chamberlain, Thomas B., Boston, and C. H. Bailey, Hingham, Mass. Display holder for lamp shades. 1,762,761; June 10.
- Chamberland, Clifford J., Lewiston, Me. Traffic signal. 1,772,305; Aug. 5.
- Chamberlin, Benjamin D., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic camera. 1,764,066; June 17.
- Chamberlin Cartridge & Target Company, The. (See Spangler, William I., assignor.)
- Chamberlin, Harry T., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,566; July 1.
- Chamberlin Metal Weatherstrip Co. (See Glaser, J. P., and Julien, assignors.)
- Chambers, Bering, Quinlan Company. (See Cooper, Earl, assignor.)
- Chambers Brothers Company. (See King, Howard K., assignor.)
- Chambers, Charles, jr., Flora, Ind. Vehicle spring. 1,785,828; Dec. 23.
- Chambers, George T., La Grange, Ill. Car replacer. 1,768,567; July 1.
- Chambers, Howard E., Long Beach, Calif. Head, nose, eye, and ear protective means. 1,750,036; Mar. 11.
- Chambers, Jack B., Houston, Tex., assignor to California Corrugated Culvert Company, West Berkeley, Calif. Metallic culvert. 1,755,594; Apr. 22.
- Chambers, Karl D., Montgomery, Ala. Lighting motor vehicles. 1,786,518; Dec. 30.
- Chambers, Laura A., St. Louis, Mo. Hospital equipment. 1,756,238; Apr. 29.
- Chambers, Laura A., St. Louis, Mo. Hospital appliance. 1,783,640; Dec. 2.
- Chambers, Leverett D., assignor to Camco Scale Corporation, New York, N. Y. Weighing-scale casing. Des. 82,659; Dec. 2.
- Chambers, Roy F., San Gabriel, Calif. Chimney structure. 1,755,771; Apr. 22.
- Chambers, Wallace C., Birmingham, Ala. Flexible metallic packing. 1,770,509; July 15.
- Champ Electric Company. (See Chandler, Daniel L., assignor.)
- Champayne, Roy J., Rockford, Ill. Automatic hammer. 1,777,875; Oct. 7.
- Champeau, Lawrence X., assignor to Kirby, Champeau Co., Inc., New York, N. Y. Device for artificial illumination. 1,746,852; Feb. 11.
- Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Chromium-plated worm shaft. 1,753,773; Apr. 8.
- Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Speedometer case. 1,757,411; May 6.
- Champion, Carleton C., jr., Washington, D. C. Internal-combustion engine. 1,771,074; July 22.
- Champion Coated Paper Co., The. (See Bradner, D. B., and Milligan, assignors.)
- Champion Coated Paper Company. (See Parker, Luther A., assignor.)
- Champion, Earl M., jr., assignor to Royersford Foundry and Machine Company, Incorporated, Royersford, Pa. Door fastener. 1,768,188; June 24.
- Champion Fibre Company, The. (See Rue, John D., assignor.)
- Champion Folding Furniture Company. (See Harter, Noah S., assignor.)
- Champion, John W., Evanston, assignor to Reliance Manufacturing Company, Chicago, Ill. Cigarette pocket for shirts. 1,763,688; June 17.
- Champion Machine & Forging Company, The. (See Greve, Louis W., assignor.)
- Champion Manufacturing Company. (See Dunbaugh, George J., jr., assignor.)
- Champion Pneumatic Machinery Co. (See Rayfield, Frederick J., assignor.)
- Champion Spark Plug Company. (See Rohde, Otto C., assignor.)
- Champion Washer Company. (See Lasar, Frank J., assignor.)
- Champion, William L., Muskogee, Okla. Mowing attachment. 1,761,904; June 3.
- Champlain, Orrin, jr., Newton, Mass. Picture frame. 1,743,190; Jan. 14.
- Chance, Albert B., Centralia, Mo. Anchor. 1,748,109; Feb. 25.
- Chance, Albert B., Centralia, Mo. Earth anchor. 1,755,811; Apr. 22.
- Chance, Albert B., Centralia, Mo. Cone anchor. 1,756,534; Apr. 29.
- Chance, Albert B., Centralia, Mo. Manufacturing split rings. 1,780,003; Oct. 28.
- Chance, Albert B., Centralia, Mo. Earth anchor. 1,786,228; Dec. 23.
- Chance, Thomas M., Merion, Pa. Separation of materials of different specific gravities. Re17,873; Nov. 18.
- Chance, Thomas M., Merion Borough, Montgomery County, and H. O. Staples, Scranton, Pa. Method and apparatus for separating materials of different specific gravities. 1,750,090; Mar. 11.
- Chandler, Carl B., assignor to Havana Metal Wheel Co., Havana, Ill. Safety control mechanism for fuel-burning devices. 1,780,971; Nov. 11.
- Chandler, Daniel L., assignor to Champ Electric Company, Boston, Mass. Electric time switch. 1,761,652; June 3.
- Chandler, Daniel L., assignor to F. H. Rowe, Boston, Mass. Coin time savings bank. 1,778,022; Oct. 14.
- Chandler, David G. (See Svendsen, R. T., and Chandler.)
- Chandler, Ernest A., and J. H. McCann, assignors of one-third to I. S. Wampler, Nashville, Tenn. Drop-door oven. 1,785,514; Dec. 16.
- Chandler, Franklin F., assignor to Ross Gear & Tool Company, Lafayette, Ind. Lever. 1,742,689; Jan. 7.
- Chandler, Franklin F., assignor to Ross Gear & Tool Company, La Fayette, Ind. Steering gear. 1,784,044; Dec. 9.
- Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Support for conductors. 1,756,510; Apr. 29.
- Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Switch for drilling machines. 1,775,449; Sept. 9.
- Chandler, Milton E., assignor to Stromberg Motor Devices Co., Chicago, Ill. Carburetor. 1,767,050; June 24.
- Chandler & Price Company, The. (See Honigmann, Hans, assignor.)
- Chandler, Robert J. A., London, England, assignor to American Machine & Foundry Company. Cut-off for cigarette machines. 1,786,519; Dec. 30.
- Chandler, Teresa M. (See Weatherly, John R., assignor.)
- Chandonia, Elmer H., Dayton, Ky., assignor to Lockwood Manufacturing Company, Cincinnati, Ohio. Baking-pan unit. 1,749,800; Mar. 11.

- Chandonia, Elmer H., Dayton, Ky., assignor to Lockwood Manufacturing Company, Cincinnati, Ohio. Baking-pan unit. 1,780,002; Oct. 28.
- Chaney, Albert A., Jewett, Ohio. Folding seat. 1,742,806; Jan. 7.
- Chaney, Newcomb K. (See Benner, R. C., and Chaney.)
- Chaney, Noten, Dannemora, N. Y. Endless clothesline. 1,748,864; Feb. 25.
- Chapin, Aaron. (See Nisenson, Julius, assignor.)
- Channing, R. H., jr., agent. (See Fischer, Oscar A., assignor.)
- Channing, Roscoe H., jr., agent. (See Phelan, R. E., and Lowe, assignors.)
- Chanter, Arthur J., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,759,934; May 27.
- Chanter, Arthur J., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,759,935; May 27.
- Chantrell Lock Corp. (See Goldberg, Samuel P., assignor.)
- Chapal Donner Corporation, The. (See Plass, Robert H., assignor.)
- Chapel, George L., Grand Rapids, Mich., assignor, by mesne assignments, to Safety Check Protector Corporation, North Chicago, Ill. Check protector. 1,743,428; Jan. 14.
- Chapin, G. Edwin, et al., executors. (See Chapin, Howard G.)
- Chapin, Herbert L., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Blacking machine. 1,760,115; May 27.
- Chapin, Howard G., deceased, Boston; G. E. Chapin and J. C. Bassett, executors, assignors to Universal Safety Tread Inc., Lowell, Mass. Safety tread. 1,757,992; May 13.
- Chapin, Philip P., and W. J. Kupec, New York, N. Y. Automatic egg boiler. 1,753,740; Apr. 8.
- Chapin, Philip P., and W. J. Kupec, New York, N. Y. Sign. 1,761,871; June 3.
- Chapin, R. E., Mfg Works, The. (See Mayled, Herbert, assignor.)
- Chapin, William H., Atlantic City, N. J. Massaging apparatus. 1,757,004; May 6.
- Chapin, William R., Indianapolis, Ind. Metal cement. 1,115,670; Sept. 16.
- Chapleau, Louis A., assignor to South Bend Bait Company, South Bend, Ind. Fishing lure. 1,745,006; Jan. 28.
- Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Me. Molded pulp article. 1,748,865; Feb. 25.
- Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Me. Plate, dish, or the like. 1,748,911; Feb. 25.
- Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Me. Pulp-molding machine. 1,777,281; Oct. 7.
- Chapline-Mayer Shoe Company. (See Herbster, Benjamin H., assignor.)
- Chapman, Albert B., et al. (See Howson, Charles T., assignor.)
- Chapman, Alonzo E., deceased, El Dorado, Calif., by decree of distribution to J. C. Ogden, sister. Fountain pen. 1,744,951; Jan. 28.
- Chapman, Arthur G., East Orange, N. J., assignor to American Telephone and Telegraph Company. Transposed and tapered antenna. 1,758,933; May 20.
- Chapman, Arthur G., Upper Montclair, N. J., assignor to American Telephone and Telegraph Company. Radio signaling system. 1,759,000; May 20.
- Chapman Brothers. (See Chapman, Harry, assignor.)
- Chapman, Charles S., Ridgewood, N. J. Exhaust manifold. 1,775,511; Sept. 9.
- Chapman Engineering Company. (See Chapman, William B., assignor.)
- Chapman Electric Neutralizer Company. (See Chapman, William H., assignor.)
- Chapman, Ernest. (See Baddiley, J., and Chapman.)
- Chapman, Ernest. (See Hollins, C., and Chapman.)
- Chapman, Ernest, and A. Hill, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Pickling of metals. 1,773,024; Aug. 12.
- Chapman, Everett, Cleveland, and E. E. Dreese, Euclid Village, assignor to The Lincoln Electric Company, Cleveland, Ohio. Starting switch. 1,774,130; Aug. 26.
- Chapman Fibre Company. (See Chapman, Ralph W., assignor.)
- Chapman, Frank D., Berlin, Wis. Crate-unloading device. 1,744,363; Jan. 21.
- Chapman, Frank D., Berlin, Wis. Pea-grading machine. 1,771,996; Aug. 5.
- Chapman, Frank D., assignor to Berlin Chapman Company, Berlin, Wis. Automatic feeding device. 1,749,801; Mar. 11.
- Chapman, Frank S., Maywood, Ill. Detecting presence and approximate location of metallic masses. Re17,844; Oct. 21.
- Chapman, Fred A., assignor to Ypsilanti Reed Furniture Company, Ionia, Mich. Chair. Des. 80,604; Mar. 4.
- Chapman, Fred A., assignor to Ypsilanti Reed Furniture Company, Ionia, Mich. Chair. Des. 80,605; Mar. 4.
- Chapman, Fred A., and W. Kotvis, Hillsboro, Wis. Internal-combustion-engine heater. 1,765,655; June 24.
- Chapman, Harry, assignor to Chapman Brothers, Chicago, Ill. Apparatus for compressing and assembling coiled springs. 1,774,545; Sept. 2.
- Chapman, Melville C., Framingham, Mass. Advertising device. 1,760,746; May 27.
- Chapman, Paul C., assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Bracket lamp. Des. 82,136; Sept. 30.
- Chapman, Penrose E., St. Louis, Mo. Testing instrument. 1,759,479; May 20.
- Chapman, Penrose E., St. Louis, Mo. Ice-cream spoon. 1,763,389; June 10.
- Chapman, Ralph W., assignor to T. M. Chapman's Sons Co., Oldtown, Me. Electrical therapeutic apparatus. 1,757,110; May 6.
- Chapman, Ralph W., Old Towne, Me., assignor, by mesne assignments, to Chapman Fibre Company, Inc. Method of and machine for making pulp articles. 1,778,934; Oct. 21.
- Chapman, Romaine C., Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Display cabinet. 1,752,369; Apr. 1.
- Chapman, Samuel B., Baltimore, Md. Watchman's electric clock. 1,765,205; June 17.
- Chapman Self-Locking Nut Co. (See Hamman, Carl F., assignor.)
- Chapman-Stein Furnace Co., The. (See Chapman, William B., assignor.)
- Chapman-Stein Furnace Company, The. (See McDermott, George R., assignor.)
- Chapman, Thomas A., Cooleage, Tex. Wheel scraper. 1,743,530; Jan. 14.
- Chapman Valve Manufacturing Company. (See Malcolm, Vincent T., assignor.)
- Chapman, Verni J. (See Ipsen, C. L., Chapman, and Klein.)
- Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Welding machine. 1,782,461; Nov. 25.
- Chapman, William A., Lithonia, Ga. Grease gun. 1,759,298; May 20.
- Chapman, William B., Jackson Heights, N. Y. Vehicle support. 1,742,690; Jan. 7.
- Chapman, William B., Jackson Heights, N. Y. Pneumatic spring. 1,742,691; Jan. 7.
- Chapman, William B., Jackson Heights, N. Y. Two-cycle internal-combustion engine. 1,744,446; Jan. 21.
- Chapman, William B., Jackson Heights, N. Y., assignor to The Chapman-Stein Furnace Co., Mount Vernon, Ohio. Recuperator. 1,771,160; July 22.
- Chapman, William B., Jackson Heights, N. Y., assignor to Chapman Engineering Company, Mount Vernon, Ohio. Agitator and grate for fire beds. 1,771,161; Sept. 30.
- Chapman, William H. (See Brittain, R. J. jr., and Chapman.)
- Chapman, William H. (See Ward, G. D., and Chapman.)
- Chapman, William H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Gauging machine. 1,745,318; Jan. 28.
- Chapman, William H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 1,758,649; May 13.
- Chapman, William H., assignor to Chapman Electric Neutralizer Company, Portland, Me. Discharge bar for neutralizing static electricity. 1,782,340; Nov. 18.
- Chapman, William H., assignor to Chapman Electric Neutralizer Company, Portland, Me. Controlling electrostatic charges on moving surfaces. 1,782,712; Nov. 25.
- Chapman, William H., assignor to Chapman Electric Neutralizer Company, Portland, Me. Neutralizing apparatus. 1,787,188; Dec. 30.
- Chapman's, T. M., Sons Co. (See Chapman, Ralph W., assignor.)
- Chappelka, Arthur H., Lakeline, Ohio. Hoist. 1,782,679; Nov. 25.
- Chappell, Annie M., et al., executors. (See Chappell, Fred B.)
- Chappell, Arthur E., Waukegan, Ill. Roller for surfacing machines. 1,774,169; Aug. 26.
- Chappell, Elwin. (See Bachman, John S., assignor.)
- Chappell, Francis R. (See Christiansen, W. G., Chappell, and Briod.)
- Chappell, Fred B., deceased, assignor of one-half to Glens Falls Machine Works, Glens Falls, N. Y.; A. M. Chappell and W. C. Cowles, executors. Wood-pulp grinder. 1,742,233; Jan. 7.
- Chappell, Fred B., deceased, assignor of one-half to Glens Falls Machine Works, Glens Falls, N. Y.; A. M. Chappell and W. T. Cowles, executors. Apparatus for handling paper pulp. 1,752,886; Apr. 1.
- Chappell, Harry C. (See Annis, Emmett F., assignor.)
- Chappell, Marvin L. (See Faber, J. F., and Chappell.)
- Chappell, Marvin L., Watson, assignor, by mesne assignments, to Richfield Oil Company of California, Los Angeles, Calif. Purifying lubricating-oil distillates. 1,761,328; June 3.
- Chappelle, Walter F., Buffalo, N. Y. Container for tooth powder. 1,744,260; Jan. 21.
- Chappelow, Earl G., and F. L. Bryant, Greeley, Colo. Cultivator blade. 1,761,465; June 3.
- Chapper, Frank E., and W. R. McGee, Detroit, Mich. Boot hook. 1,781,748; Nov. 18.
- Chapple, John C. (See Muhlfeld, J. E., and Chapple.)
- Chapple, John C., St. Louis, Mo. Fuel pulverizer. 1,770,198; July 8.
- Chappory, Andrew C., jr. (See Crossmore, E. Y., and Chappory, and Posey.)

- Chappory, Andrew C., jr., Brooklyn, and J. B. Posey, White Plains, assignors to National Biscuit Company, New York, N. Y. Display rack. 1,767,433; June 24.
- Chappuis, Charles, Lausanne, Switzerland Boiler furnace. 1,769,286; July 1.
- Chappuzeau, Helmut, and O. Emersleben, Kiel, Germany, assignors to the firm Neufeldt & Kubnke Betriebsgesellschaft m. b. H., Kiel, Germany. Arrangement for testing magnetizable objects. 1,782,462; Nov. 25.
- Charavay, Frederick, assignor, by mesne assignments, of one-half to Hartzell Industries, Inc., Piqua, Ohio. Propeller ventilating means. Re17,709; June 24.
- Charavay, Frederick, Piqua, Ohio, assignor, by mesne assignments, of one-half to Hartzell Industries, Inc., Wilmington, Del. Moving air against pressure. 1,756,343; Apr. 29.
- Charavay, Frederick, Piqua, Ohio, assignor, by mesne assignments, of one-half to Hartzell Industries, Inc., Wilmington, Del. Spray booth. 1,760,344; May 27.
- Charcolite Corporation. (See Mitchell, John, assignor.)
- Chardard, Jean B. D. L., Paris, France, assignor to Risler Corporation of America, Kansas City, Mo. Portable heat-exchanging apparatus. 1,783,355; Dec. 2.
- Charles, Edmund C. (See Leland, F. R., and Charles.)
- Charles, Maurice, Courbevoie, France. Hydraulic braking apparatus. 1,776,488; Sept. 23.
- Charles, Reuben A., Great Bend, Kans. Lawn rake and fertilizing machine. 1,763,757; June 17.
- Charlesworth, Stanton L., and A. W. Harris, Cleveland, Ohio. Coating compound. 1,782,341; Nov. 18.
- Charliss, Charles F. J., Houston, Tex. Steam turbines. 1,777,428; Oct. 7.
- Charlot, Moise A., Paris, France. Cooking pot of the self-closing type for the cooking of food and for other uses. 1,759,732; May 20.
- Charlton, Arthur H., assignor of one-half to T. B. Rowe and Company, Limited, Brantford, England. Production of soap threads. 1,764,866; June 17.
- Charlton, Ernest E., Schenectady, N. Y., assignor to General Electric Company. Electric ionization device. 1,747,050; Feb. 11.
- Charlton, Ernest E., Schenectady, N. Y., assignor to General Electric Company. Glow-tube-measuring device. 1,762,712; June 10.
- Charlton, Ernest E., Schenectady, N. Y., assignor to General Electric Company. Electric timing device. 1,762,811; June 10.
- Charlton, Harry J., assignor to Frank Holton & Company, Elkhorn, Wis. Wind musical instrument. 1,761,829; June 3.
- Charlton, Harry W., New York, N. Y. Producing sand-lime bricks. 1,745,601; Feb. 4.
- Charlton, Richard C., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Level. 1,777,429; Oct. 7.
- Charlton, Roy H., Belmont, assignor to Filing Equipment Bureau, Incorporated, Boston, Mass. Folder. 1,743,191; Jan. 14.
- Charlton, Roy H., Belmont, Mass., assignor to Filing Equipment Bureau, Incorporated, Boston, Mass. Attachment for filing drawers. 1,743,756; Jan. 14.
- Charnin, Hyman, Bronx, N. Y. Booth partition or similar article. Des. 82,137; Sept. 30.
- Charnin, Hyman, Bronx, N. Y. Store wall panel. Des. 82,138; Sept. 30.
- Charpentier, Stephen D. (See Summers, Richard A. and S. R., assignors.)
- Charrington, Edmund. (See Fairbrother, H. E., and Charrington.)
- Charter Oak Stove and Range Company. (See Dana, Leslie, assignor.)
- Chartres, Francis A., et al. (See McBride, V. R., and Ward, assignors.)
- Chartres, Sydney L., et al. (See McBride, V. R., and Ward, assignors.)
- Chase, Asa R., Miami, Okla. Jig. 1,769,287; July 1.
- Chase, Charles H., Stoneham, Mass., assignor to Caro Cloth Corporation, Carolina, R. I. Needling machine. 1,745,739; Feb. 4.
- Chase Companies, The. (See Hall, F. E., and Weber, assignors.)
- Chase Companies, Incorporated. (See Cornell, Edward S., jr., assignor.)
- Chase Companies Incorporated, The. (See Donovan, J. J., and Spring, assignors.)
- Chase Companies, Incorporated, The. (See Recker, Adolph C., assignor.)
- Chase, Edmund A. (See Jones, H. K., and Chase.)
- Chase, Elroy A., Northfield, assignor to Rock of Ages Corporation, Burlington, Vt. Producing an ornamental surface on granite. 1,783,828; Dec. 2.
- Chase, Ethel K., New Bedford, Mass. Apparel clasp. 1,763,132; June 10.
- Chase Foundry and Manufacturing Company. (See Chase, Sherwood M., assignor.)
- Chase, Francis E., Chevy Chase, Md. Horticultural marker. 1,766,704; June 24.
- Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Carriage-shifting mechanism for calculators. 1,773,026; Aug. 12.
- Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,773,027; Aug. 12.
- Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Carriage-shift control for calculating machines. 1,773,125; Aug. 12.
- Chase, Hamilton C., assignor of one-fourth to T. Weber and one-fourth to H. Roe, Los Angeles, Calif. Valve. 1,755,536; Apr. 22.
- Chase, Horace S., and W. R. Fletcher, New York, N. Y.; said Fletcher assignor, by mesne assignments, to said Chase. Control for locks or the like. Re17,797; Sept. 16.
- Chase, Jules, Bronx, N. Y. Lady's undergarment. Des. 80,998; Apr. 22.
- Chase, Leon W., F. L. Zybach, and J. C. Brand, assignors to Chase Plow Company, Lincoln, Nebr. Power lift. 1,770,569; July 15.
- Chase, Leon W., J. Smethers, J. C. Brand, and A. H. Barnhart, assignors to Chase Plow Company, Lincoln, Nebr. Combined listed corn cultivator and ridge leveler. 1,745,740; Feb. 4.
- Chase, Louis, Atlantic, Mass. Oil can for ejecting liquids. 1,775,512; Sept. 9.
- Chase Machine Company. (See Chase, S., 4th, and Pfeiffer, assignors.)
- Chase Machine Company. (See Palm, George H., assignor.)
- Chase, March F., Ardsley-on-the-Hudson, and F. E. Pierce and J. Skogmark, New York, assignors to The Cos Process Company, Inc., New York, N. Y. Making producer gas. 1,761,384; June 3.
- Chase, Philip H., Bala, Pa. Mast arm. 1,754,082; Apr. 8.
- Chase Plow Company. (See Chase, L. W., Smethers, Brand, and Barnhart, assignors.)
- Chase Plow Company. (See Chase, L. W., Zybach, and Brand, assignors.)
- Chase, Reyburn T., Camden, N. J. Can opener. 1,759,345; May 20.
- Chase, Samuel O., Stamford, Conn. Electrical hair trimming and singeing instrument. 1,744,525; Jan. 21.
- Chase, Sherwood M., assignor to The Chase Foundry and Manufacturing Company, Columbus, Ohio. Truck. 1,757,953; May 13.
- Chase, Stephen, 4th, Chicago, Ill. Method and apparatus for forming loaves. 1,762,159; June 10.
- Chase, Stephen, 4th, Chicago, and B. S. Pfeiffer, Winnetka, assignors to Chase Machine Company, Chicago, Ill. Cleaning drier. 1,751,681; Mar. 25.
- Chase, Stephen, 4th, Chicago, and Benjamin S. Pfeiffer, Winetka, assignor to Chase Machine Company, Chicago, Ill. Carpet-cleaning machine. 1,768,887; July 1.
- Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Oil filter. 1,768,350; June 24.
- Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Connecting rod. 1,768,508; June 24.
- Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Brake centralizer. 1,768,509; June 24.
- Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Hand lift for a portable sewing-machine cabinet. Des. 80,306; Jan. 14.
- Chason, Daniel H., Elizabeth, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Disappearing machine rest for sewing-machine tables. 1,745,781; Feb. 4.
- Chason, Daniel H., Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electrically-lighted sewing machine. 1,785,856; Dec. 23.
- Chason, John W., Chandler, Ariz. Humidifying apparatus. 1,750,569; Mar. 11.
- Chastenay, Norman A., Ozone Park, N. Y. Foot appliance for swimmers. 1,760,476; May 27.
- Chater, George W., Chew Magna, near Bristol, and C. W. Stones, Knowle, Bristol, England. Signaling device for vehicles. 1,772,242; Aug. 5.
- Chatfield, Franklin, assignor to The Munsingwear Corporation, Minneapolis, Minn. Track pants. 1,767,649; June 24.
- Chatillon, George E., New York, N. Y., and R. B. Wasson, Cranford, N. J., assignors to John Chatillon & Sons, New York, N. Y. Scale dial. Des. 81,085; May 6.
- Chatillon, John, & Sons. (See Brigham, Henry M., assignor.)
- Chatillon, John, & Sons. (See Cameron, Hugh M., assignor.)
- Chatillon, John, & Sons. (See Chatillon, G. E., and Wasson, assignors.)
- Chatillon, John, & Sons. (See Rockefeller, John W., jr., assignor.)
- Chattanooga Manufacturing Company, The. (See Noone, Charles A., assignor.)
- Chattin, Richard H., Whittier, Calif. Flying machine. 1,776,994; Sept. 30.
- Chattin, Robert C., assignor, by mesne assignments, to Burnham Manufacturing Company, Boise, Idaho. Auxiliary rudder for irrigation ditchers. 1,777,688; Oct. 7.
- Chattin, Robert C., Mountain Home, assignor, by mesne assignments, to Burnham Manufacturing Company, Boise, Idaho. Extension wing for irrigation ditchers. 1,777,689; Oct. 7.
- Chausee, Francis W. (See Burdick, E. S., Byrne, and Chausee.)
- Chausse, Wilfrid G., Detroit, Mich. Shock absorber. 1,746,928; Feb. 11.

- Chau-tovich, Gabriel A., Detroit, Mich. Dispensing machine for plastic substances. 1,771,075; July 22.
- Chavaroux, Pierre, Paris, France. Apparatus adapted for continuous film travel for view taking, printing, and projection of cinematographic films. 1,765,904; June 24.
- Chayes Dental Instrument Corporation. (See Chayes, Herman E. S., assignor.)
- Chayes, Herman E. S., assignor, by mesne assignments, to Chayes Dental Instrument Corporation, New York, N. Y. Dental tool. 1,745,602; Feb. 4.
- Cheakas, George G., and J. H. Martin, assignors of one-third to R. R. Fisk, Wichita Falls, Tex. Separating device. 1,750,922; Mar. 18.
- Cheatham Electric Switching Device Co. (See Crago, Paul, H., assignor.)
- Cheatham Electric Switching Device Company. (See Rabun, George D., assignor.)
- Cheatham Electric Switching Device Co. et al. (See Richterkessing, Frank H., assignor.)
- Cheatham Electric Switching Device Co. (See Stolp, Samuel S., assignor.)
- Checker Cab Manufacturing Corporation. (See Brownell, James L., assignor.)
- Checker Cab Manufacturing Company, The. (See Johnson, Roy W., assignor.)
- Checker Cab Manufacturing Corporation. (See Ruppel, Frederick C., assignor.)
- Cheek, Tolbert F., New York, N. Y., assignor to The Aeolian Company. Expression device for automatic musical instruments. 1,749,413; Mar. 4.
- Cheek, Tolbert F., assignor, by mesne assignments, to Welte-Mignon Corporation, New York, N. Y. Eliminate noise in parts of record-controlled musical instruments. 1,750,037; Mar. 11.
- Cheely, Beulan E., Fork Mountain, Tenn. Dump car. 1,746,103; Feb. 4.
- Cheesman, Silas A., Winnipeg, Manitoba, assignor to Northern Aerial Minerals Exploration Ltd., Toronto, Ontario, Canada. Ski pedestal for aeroplanes. 1,752,416; Apr. 1.
- Cheetham, Harold C., East Orange, N. J., assignor to Bakelite Corporation. Making impregnated sheets. 1,776,885; Sept. 30.
- Cheley, William J. (See Bleecker, Warren F., assignor.)
- Cheley, William J. (See Morrison, J. A., and Williams, assignors.)
- Chelsea Clock Company. (See Bold, Frederick W., assignor.)
- Chelsea Clock Company. (See Mutz, W. E., and Lavers, assignors.)
- Chelton, Robert, Chicago, and C. R. Keeran, Evanston, assignors, by mesne assignments, to Swanberg Manufacturing Company, Chicago, Ill. Mechanical pencil. 1,774,699; Sept. 2.
- Chem-Electric Engineering Corporation. (See Ames, S. L., and Laughlin, assignors.)
- Chemical Construction Corporation. (See Hechenbleikner, Ingenuin, assignor.)
- Chemical Construction Company. (See Hechenbleikner, I., and Titlestad, assignors.)
- Chemical Engineering Corporation. (See Jones, Louis C., assignor.)
- Chemical Engineering Corporation. (See Richardson, Ralph S., assignor.)
- Chemical Equipment Manufacturing Company, The. (See Gunthard, August, assignor.)
- Chemical Equipment Manufacturing Company. (See Smith, Warren R., assignor.)
- Chemical Research & Designing Corporation. (See De Jahn, F. W., and Dely, assignors.)
- Chemical Toilet Corporation. (See Walters, Herbert H., assignor.)
- Chemical Treatment Company. (See Fink, C. G., and Eldridge, assignors.)
- Chemical Works formerly Sandoz. (See Tagliani, Giovanni, assignor.)
- Chemieprodukte G. m. b. H. (See Shade, Paul F., assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Brandl, G., and Baensch, assignors.)
- Chemische Fabrik auf Actien vorm. E. Schering. (See Jordan, Hans, assignor.)
- Chemische Fabrik auf Actien vorm. E. Schering. (See Jordan, H., Schoeller, and Clerc, assignors.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Schoeller, W., Borgwardt, and Feldt, assignors.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Schoeller, W., and Jordan, assignors.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Schotte, Herbert, assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Starkenstein, Emil, assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Wreschner, M., and Loeb, assignors.)
- Chemische Fabrik Grünan Landshoff & Meyer Aktiengesellschaft. (See Kirchner, Walter, assignor.)
- Chemische Fabrik Pott & Co. (See Pott, Rainer H., assignor.)
- Chemische Fabrik Pott & Co. (See Pospiech, Friedrich, assignor.)
- Chemische Fabrik Weissenstein G. m. b. H. (See Baum, Gustav, assignor.)
- Chemische Fabriken Kunheim & Co., Aktiengesellschaft. (See Meyer, Friedrich, assignor.)
- Chemisch-pharmazeutische Corporation. (See Liebrecht, Arthur, assignor.)
- Chemisch-Technische Gesellschaft m. b. H. (See Rammelkamp, Erich, assignor.)
- Chenault, George N., Dallas, assignor of twenty-two and one-half per cent to J. B. Stephens, Handley, and twenty per cent to H. G. Doss, and 5 per cent to H. F. Couch, Dallas, Tex. Cotton-chopping machine. 1,776,830; Sept. 30.
- Chéneau, Louis J. J. B., Paris, France. Temperature-responsive device. 1,781,630; Nov. 11.
- Cheney Brothers. (See de Hose, Albert, assignor.)
- Cheney, Byron M., Chicago, Ill. Tie plate 1,754,500; Apr. 15.
- Cheney, Josephine B., administratrix. (See Barnebey, O. L., and Cheney.)
- Cheney, Merritt B. (See Barnebey, O. L., and Cheney.)
- Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Electrical indicating instrument. 1,745,603; Feb. 4.
- Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Method and apparatus for electrical indicating devices. 1,745,782; Feb. 4.
- Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Thermometer bulb. 1,746,853; Feb. 11.
- Cheney, Moses E., Bayport, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Electric measuring instrument. 1,753,402; Apr. 8.
- Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Electric indicating instrument. 1,753,917; Apr. 8.
- Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Rheostat tank-fitting assembly. 1,756,535; Apr. 29.
- Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Relief valve for Ford oiling systems. 1,770,911; July 22.
- Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Thermometer-bulb-forming method. 1,773,950; Aug. 26.
- Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Liquid-level gauge. 1,775,273; Sept. 9.
- Cheney Weeder Company. (See Largent, Raleigh M., assignor.)
- Chenoweth, Charles A. (See Chenoweth, Oliver G. and C. A.)
- Chenoweth, Oliver G. and C. A., Lynn, Ind. Roller attachment for plows. 1,762,258; June 10.
- Chéron, Pierre J., Stratford, Conn., assignor to Motometer Gauge & Equipment Corporation, Long Island City, N. Y. Medallion. Des. 80,349; Jan. 14.
- Chéron, Pierre J., Stratford, Conn., assignor to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Medallion. Des. 81,228; May 27.
- Cheronis, Nicholas D. (See Dewey, A. B., jr., and Cheronis.)
- Cherrington, Frank W., Toledo, Ohio. Drying or treating timber and the like. 1,756,281; Apr. 29.
- Cherry, Benjamin, Philadelphia, Pa. Picture-packet-display device. 1,772,338; Aug. 5.
- Cherry-Burrell Corporation. (See Boileau, Arthur H., assignor.)
- Cherry-Burrell Corporation. (See Feldmeier, Harvey, assignor.)
- Cherry-Burrell Corporation. (See Maanum, Dedrick A., assignor.)
- Cherry-Burrell Corporation. (See Rosenfeld, Louis, assignor.)
- Cherry-Burrell Corporation. (See Strandt, Gustav E., assignor.)
- Cherry-Burrell Corporation. (See Strandt, G. E., and Lippold, assignors.)
- Cherry, Chester, Canal Winchester, and G. A. Froggatt, Columbus, Ohio. Heat distributor. 1,759,001; May 20.
- Cherry, George L., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for sheathing cores. 1,770,969; July 22.
- Cherry, Louis B., Louisville, Ky., assignor, by mesne assignments, to C and C Developing Company, Kansas City, Mo. Plant for the treatment of hydrocarbon. 1,779,356; Oct. 21.
- Cherry, Mary. (See Carrillo, Jesus L., assignor.)
- Cherry, Robert M., Schenectady, N. Y., assignor to General Electric Company. Electric furnace. 1,755,051; Apr. 15.
- Cheshire, Edward, Berling Township, Waukesha County, Wis. Attachment for composing-room saws. 1,776,347; Sept. 23.
- Cheshire, Edward, St. Petersburg, Fla. Cutter. 1,755,468; Apr. 22.
- Cheshire, Ralph W. (See Baker, T. Y., and Cheshire.)
- Cheslock, Frank J., and C. A. Yares, St. Paul, Minn. Ash-tray holder. 1,757,792; May 6.

- Chesney, Jacques W. D., Chicago, Ill. Projecting ultra-violet sunlight rays into buildings. 1,747,928; Feb. 18.
- Chesney, Jacques W. D., assignor to The Ultra-Violet Generator Corporation, Chicago, Ill. Official therapeutic device. 1,771,076; July 22.
- Chesnutt, John, Clearwater, Fla. Buoyant seat for children. 1,748,176; Feb. 25.
- Chesnutt, John L., et al. (See Chesnutt, William M., assignor.)
- Chesnutt, William M., Fresno, assignor to J. L. Chesnutt, Long Beach, and Fisk M. Ray, Oakland, Calif. Double-wheel caster. 1,743,757; Jan. 14.
- Chessman, Cedric S., assignor to two-thirds to A. J. Davis and C. D. Davis, Pittsburgh, Pa. Sheet-paper cutter. 1,759,344; May 20.
- Chester, Frank E., et al. (See Beidler, Ford E., assignor.)
- Chester, Frank R., New York, N. Y., assignor, by mesne assignments, to Chesterfield Control Company, Dover, Del. Control mechanism and game. 1,776,105; Sept. 16.
- Chester, Frank R., New York, N. Y., assignor to Chesterfield Control Company, Dover, Del. Intermittent-drive mechanism. 1,776,651; Sept. 23.
- Chester, John S., Royal Oak, Mich. Broom protector. 1,755,052; Apr. 15.
- Chester, Thomas, Pittsburgh, Pa. Drying apparatus for gelatin carbon tissue. 1,762,910; June 10.
- Chesterfield Control Company. (See Chester, Frank R., assignor.)
- Chesterman, Frank E., Noble, Pa. Truss pad. 1,750,461; Mar. 11.
- Cheswright, Leonard K., Smith Falls, assignor to Flexoil Transmission Limited, Toronto, Ontario, Canada. Clutch mechanism. 1,768,568; July 1.
- Cheswright, Leonard K., Swansea, assignor of one-half to R. N. Morrison, Toronto, Ontario, Canada. Hose clamp. 1,776,850; Sept. 30.
- Chetlain, Frederick H., et al., trustees. (See Arey, Fred C., assignor.)
- Chettick, Robert L., assignor of one-half to T. J. Leahy, Pawhuska, Okla. Universal joint. 1,774,226; Aug. 26.
- Chevalier, Charles G., Baltimore, Md. Compound for cleaning. 1,749,317; Mar. 4.
- Chevenard, Pierre, Imphy, assignor to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Differential recording dilatometer. 1,766,775; June 24.
- Cheverie, Michael, and W. H. Etheridge, Whiting, Ind. Coal-chute lock. 1,769,875; July 1.
- Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Transfer and feeler control mechanism for shuttle-changing looms. 1,749,934; Mar. 11.
- Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle-changing loom. 1,753,233; Apr. 8.
- Chevrolet, Arthur E., Indianapolis, Ind. Overhead-valve engine. 1,744,526; Jan. 21.
- Chevron Motor Corporation. (See Moses, Adolph, assignor.)
- Chew, Clarence. (See Flexon, F., and Chew.)
- Chew, Samuel N., Thornton Heath, assignor to Pneumatic Conveyance & Extraction (1929) Limited, London, England. Dust separator. 1,780,641; Nov. 4.
- Chiasson, George, known as Chisholm, Paris, France, assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail-bedding machine for clog making. 1,750,705; Mar. 18.
- Chicago Art Marble Company. (See Stern, Irving L., assignor.)
- Chicago Automatic Conveyor Co. (See Shaw, Arthur L., assignor.)
- Chicago Bridge & Iron Co. (See Bailey, Otterbein A., assignor.)
- Chicago Bridge & Iron Company. (See Griffin, Alvah M., assignor.)
- Chicago Bridge & Iron Company. (See Williams, D. D., and Murphey, assignors.)
- Chicago, Burlington & Quincy Railroad Company. (See Walker, Paul P., assignor.)
- Chicago Business Men's Racing Association. (See Bahr, August T. J., assignor.)
- Chicago Card Board Company. (See Ziemmerman, Henry, assignor.)
- Chicago Carton Company. (See Coy, Don W., assignor.)
- Chicago Carton Company. (See MacLellan, Kenneth F., assignor.)
- Chicago Cinema Equipment Company. (See Goldberg, Joseph H., assignor.)
- Chicago-Cleveland Car Roofing Company. (See Jacobs, Francis A., assignor.)
- Chicago-Cleveland Car Roofing Company. (See Mattingley, Edward H., assignor.)
- Chicago-Cleveland Car Roofing Company. (See Williams, Theron H., assignor.)
- Chicago Curtain Stretcher Company. (See Carlson, Clarence G., assignor.)
- Chicago Electric Manufacturing Co. (See Oetjen, Howard H., assignor.)
- Chicago Electric Manufacturing Co. (See Preston, Edward S., assignor.)
- Chicago Eye Shield Company. (See Weber, Adam, assignor.)
- Chicago Faucet Company, The. (See Gavin, John H., assignor.)
- Chicago Flexible Shaft Company. (See Browning, George, assignor.)
- Chicago Flexible Shaft Company. (See Hanson, R. C., and Jeppsson, assignors.)
- Chicago Flexible Shaft Company. (See Kocourek, Henry, assignor.)
- Chicago Forging & Manufacturing Company. (See Baker, Melvin G., assignor.)
- Chicago Forging & Manufacturing Co. (See Gilmore, Charles B., assignor.)
- Chicago Forging & Manufacturing Company. (See Mears, Norton A., assignor.)
- Chicago Hardware Foundry Company. (See Burgess, George A., assignor.)
- Chicago Hardware Foundry Company. (See Kandel, John S., assignor.)
- Chicago Lock Company. (See Shinn, William C., assignor.)
- Chicago Lubricator Company. (See Beckwick, A. C., and Farnsworth, assignors.)
- Chicago Lubricator Company, The. (See Edwards, Frank W., assignor.)
- Chicago Mica Company. (See Frederick, Louis T., assignor.)
- Chicago Mill and Lumber Corporation. (See Gerlach, Charles W., assignor.)
- Chicago Paving Laboratory, Inc. (See Abson, Gene, assignor.)
- Chicago Pneumatic Tool Company. (See Andresen, Adolph C., assignor.)
- Chicago Pneumatic Tool Company. (See Bayliff, F., and Nell, assignors.)
- Chicago Pneumatic Tool Company. (See Davenport, Ransom W., assignor.)
- Chicago Pneumatic Tool Company. (See Fey, Charles, assignor.)
- Chicago Pneumatic Tool Company. (See Funk, Albert H., assignor.)
- Chicago Pneumatic Tool Company. (See Kimman, Theodore P., assignor.)
- Chicago Pneumatic Tool Company. (See Maxmilian, Max, assignor.)
- Chicago Pneumatic Tool Company. (See Meunier, Leon F., assignor.)
- Chicago Pneumatic Tool Company. (See Moody, Julius C., assignor.)
- Chicago Pneumatic Tool Company. (See Nell, Gustave M., assignor.)
- Chicago Pneumatic Tool Company. (See Penberthy, Ernest, assignor.)
- Chicago Pneumatic Tool Company. (See Reed, Clarence E., assignor.)
- Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
- Chicago Pneumatic Tool Company. (See Wasson, Harry C., assignor.)
- Chicago Portrait Company. (See Boese, Edward H., assignor.)
- Chicago Pottery Company. (See Perry, Lindon A., assignor.)
- Chicago Pump Company. (See Lannert, W. H. J., and Cowle, assignors.)
- Chicago Pump Company. (See McCarthy, Edward F., assignor.)
- Chicago Pump Company. (See Weil, Maurice I., assignor.)
- Chicago Railway Equipment Company. (See Busse, E. G., and Janus, assignors.)
- Chicago Railway Equipment Company. (See Ekholm, Herbert W., assignor.)
- Chicago Railway Equipment Company. (See Graham, Herman E., assignor.)
- Chicago Railway Equipment Company. (See Kadar, Louis, assignor.)
- Chicago Railway Equipment Company. (See Rissler, A. P., and Busse, assignors.)
- Chicago Railway Equipment Company. (See Told, Arnold H., assignor.)
- Chicago & Railway Equipment Company. (See Walker, Charles L., assignor.)
- Chicago Railway Signal & Supply Company. (See McCarthy, Daniel J., assignor.)
- Chicago Steel and Wire Company. (See Green, J. Birchard, assignor.)
- Chicago Telephone Supply Company. (See Diener, Riley M., assignor.)
- Chicago Telephone Supply Company. (See Schellenger, Newton C., assignor.)
- Chicago Telephone Supply Company. (See Stirling, James A., assignor.)
- Chichester, Oscar F., and J. J. Sylva, assignors to California Cedar Products Company, Stockton, Calif. Slat waxing and stacking machine. 1,782,645; Nov. 25.
- Chicken, Christopher B. (See Nasmith, J. I., and Chicken.)
- Chickering, Krikor B. (See Erysin, H. A., and Chickering.)
- Chicknavorian, Hagop, Fitchburg, Mass. Spotting table. 1,761,706; June 3.
- Chidester, John H., Chatham, N. J. Ticker-tape control. 1,783,008; Nov. 25.
- Chierighino, Conrad, New York, N. Y. Alarm system. 1,768,115; June 24.
- Chiffriermaschinen Aktiengesellschaft. (See Bernstein, Paul, assignor.)
- Child, Reginald O., Harrow, assignor to D. Anderson & Sons Limited, London, England. Grinding and mixing apparatus. 1,770,459; July 15.

- Childe, Leslie B., and A. G. Kershaw, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Control of doors or gates for mining and other purposes. 1,778,661; Oct. 14.
- Childers, Harry F., Ponca City, Okla. Deep-well pumping apparatus. 1,742,579; Jan. 7.
- Childress, Thomas J., Waynesboro, Va. Combined ruler square and miter square. 1,759,541; May 20.
- Childs, Adelbert A., Orleans, Mass. Right-angle socket stock. 1,767,434; June 24.
- Childs, John S., assignor of one-third to R. A. Nease, and one-third to C. B. Harrington, McMechen, W. Va. Wheel-flange oiler. 1,782,133; Nov. 18.
- Childs, Ray E., Beirut, Okla. Safety valve. 1,773,775; Aug. 26.
- Childs, William L., assignor to Reed Roller Bit Company, Houston, Tex. Roller-cutter mounting. 1,779,587; Oct. 28.
- Chiles, George S. (See Dreibus, H. C., and Chiles.)
- Chiles, George S., assignor, by mesne assignments, to Scullin Steel Co., St. Louis, Mo. Center-plate construction. 1,745,150; Jan. 28.
- Chiles, Robert L., Knoxville, Tenn. Detector-tube circuit. 1,782,500; Nov. 25.
- Chillas, Richard B., jr. (See Stroud, W. F., jr., and Chillas.)
- Chillas, Richard B., jr., Philadelphia, Pa., assignor, by mesne assignments, to The Barrett Company, New York, N. Y. Fractional distillation. Re17,595; Feb. 18.
- Chillas, Richard B., jr., Philadelphia, and A. G. Peterkin, jr., Bryn Mawr, assignors to The Atlantic Refining Company, Philadelphia, Pa. Fractionation. 1,748,595; Feb. 25.
- Chillas, Richard B., jr., Philadelphia, and A. G. Peterkin, jr., Bryn Mawr, assignors to The Atlantic Refining Company, Philadelphia, Pa. Fractionating column. 1,748,704; Feb. 25.
- Chilman, William S., assignor to General Brass Company, Detroit, Mich. Gas cock. 1,748,205; Feb. 25.
- Chilowsky, Constantin, Paris, France. Making oil-gas mixtures. 1,757,855; May 6.
- Chilowsky, Constantin, Paris, France, and B. Nagacheff, Boston, Mass. Apparatus for the production of sounds from electric current and inversely. 1,760,896; June 3.
- Chilton Pen Company. (See Berry, Edward C., assignor.)
- Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,750,346; Mar. 11.
- Chilton, Ralph H., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,779,409; Oct. 28.
- Chilton, Ralph H., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,785,857; Dec. 23.
- Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine-starting apparatus. 1,752,835; Apr. 1.
- Chilton, Roland, Keyport, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starter. 1,768,116; June 24.
- Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Uppercu-Burnelli Corporation. Wing-bracing structure. 1,775,513; Sept. 9.
- Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine-starting apparatus. 1,778,886; Oct. 21.
- Chinski, Charles C., Beaumont, Tex. Changeable advertising device. 1,765,260; June 17.
- Chipman, Andrew L. (See Chipman, Harry E., assignor.)
- Chipman, Fred W., Framingham, Mass. Steam boiler. 1,786,981; Dec. 30.
- Chipman, Harry E., Springfield, Mass., assignor to A. L. Chipman, New York, N. Y. Control switch. 1,781,892; Nov. 18.
- Chipman, Harry E., Springfield, Mass., assignor to A. L. Chipman, New York, N. Y. Control switch. 1,781,893; Nov. 18.
- Chipman, Paul, assignor of one-half to F. H. Alfred, Detroit, Mich. Railway-roadbed construction. 1,754,609; Apr. 15.
- Chipperfield, Walter, Harrow, England. Power-operated tool or work clamp. 1,746,886; Feb. 11.
- Chireix, Henri, Paris, France. Electric signaling system. 1,745,981; Feb. 4.
- Chireix, Henri, Paris, France. Vacuum-tube generator system. 1,755,386; Apr. 22.
- Chireix, Henri, Paris, France. Vacuum-tube generator system. 1,776,381; Sept. 23.
- Chireix, Henri, Paris, France. Frequency-regulating system. 1,782,807; Nov. 25.
- Chireix, Henri, Paris, France. Antenna system. 1,783,072; Nov. 25.
- Chirol, Maurice, Paris, assignor to Compagnie Pour La Fabrication Des Compteurs Et Materiel D'Usines A. Gaz, Montrouge, Seine, France. Device for impressing signaling currents on electrical power-distributing lines. 1,757,900; May 6.
- Chisholm, Allen E., Portland, Oreg. Oil burner. 1,773,477; Aug. 19.
- Chisholm, Charles F., Staten Island, assignor of one-half to G. Ramsey, Brooklyn, N. Y. Braking and apparatus therefor. 1,781,437; Nov. 11.
- Chisholm, Douglas W., Glasgow, Scotland, assignor to The Birchfield Engineering Company Limited, Cardiff, Wales. Manufacture of butt and lap welded tubes. 1,745,741; Feb. 4.
- Chisholm, Lester B., Stoneham, assignor to Everlastik, Inc., Chelsea, Mass. Covered elastic strand. 1,766,776; June 24.
- Chislock, Anthony, Stamford, Conn. Vehicle direction indicator. 1,782,773; Nov. 25.
- Chism, William J., Rock Haven, Ky. Nut-locking washer. 1,762,651; June 10.
- Chittenden, Elbert. (See Vilneau, W. W., and Chittenden.)
- Chluda, John, Cleveland, Ohio. Toy aeroplane. 1,771,397; July 29.
- Chmielowski, Alfred, assignor to S. Katscher, Vienna, Austria. Directly producing phonogram carriers suitable to be played off. 1,754,935; Apr. 15.
- Choate, Earl F. (See Steigh, J., and Choate.)
- Choate, Rufus, Washington, D. C. Carrier for containers. 1,779,060; Oct. 21.
- Chodorov, Frank, et al. (See Robischon, Ernest W., assignor.)
- Chojnacki, Edward P. (See Chojnacki, Paul B. and E. P.)
- Chojnacki, Paul B. and E. P., Los Angeles, Calif. Traller. 1,756,239; Apr. 29.
- Choquette, John A., Ottawa, Ontario, Canada. Auxiliary power means for ships and the like. 1,747,817; Feb. 18.
- Chorley, Percy. (See Baddiley, J., Brightman, and Chorley.)
- Chorlton, Alan E. L., London, England. Injection nozzle. 1,754,936; Apr. 15.
- Chorlton, Alan E. L., London, England. Governor-pump aggregate. 1,758,687; May 13.
- Chorlton, Alan E. L., London, England. Integral cam-shaft bearing. 1,761,872; June 3.
- Chorlton, Alan E. L., assignor of one-half to W. Beardmore, London, England. Internal-combustion engine. 1,750,570; Mar. 11.
- Chorlton, Alan E. L., assignor of one-half to W. Beardmore, London, England. Internal-combustion engine. 1,750,571; Mar. 11.
- Chorlton, Alan E. L., R. A. de Haig, and H. J. Stieger, London, England. Bracing cantilever wings against torsional deflection. 1,772,206; Aug. 5.
- Chorlton, Frank O. L., Bury, England. Variable-speed drive. 1,746,029; Feb. 4.
- Chorlton, Frank O. L., Bury, England. Variable-speed drive for paper-making machine and the like. 1,776,886; Sept. 30.
- Chormann, Otto I., assignor to The Pfaudler Co., Rochester, N. Y. Heating apparatus. 1,777,482; Oct. 7.
- Chr. Gfeller Aktiengesellschaft. (See Trachsel, Fritz., assignor.)
- Chr. Hostmann-Steinberg'sche Farbenfabriken G. m. b. H. (See Machtoff, Josef, assignor.)
- Chretien, Felix, San Francisco, Calif. Hair waver. 1,743,267; Jan. 14.
- Chretien, Henri, St.-Cloud, assignor to Societe Anonyme Francaise dite: Societe Technique D'Optique et de Photographie (S. T. O. P.) St.-Ouen, France. Photographic reproduction objective with two diaphragms and its application as in printing positives for black and white cinematography, color cinematography, or cinematography in relief. 1,783,998; Dec. 9.
- Chrisfield, Howard E., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Sole. Des. 80,256; Jan. 7.
- Chrisfield, Howard E., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Sole. Des. 80,433; Feb. 4.
- Chrisman, Charles S., West Chester, assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Water-gas apparatus. 1,767,579; June 24.
- Chrisman, Horace, Edgewood, assignor, by mesne assignments, to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Gas meter. 1,779,901; Oct. 28.
- Christel, Karl, Taucha, Germany. Machine for cleaning the matrices for type setting and casting machines. 1,781,946; Nov. 18.
- Christensen Air Brake Company, The. (See Neale, Fred, assignor.)
- Christensen, Alfred C., assignor to National Engineering Company, Chicago, Ill. Door-operating mechanism for mixing machines. 1,755,426; Apr. 22.
- Christensen, Alfred C., assignor to National Engineering Company, Chicago, Ill. Door-operating mechanism for mixing machines. 1,771,398; July 29.
- Christensen, Anders E., Mayfield Heights, Ohio. Line level. 1,785,296; Dec. 16.
- Christensen, Auker L., New York, N. Y. Back spot facer. 1,761,070; June 3.
- Christensen, Carl P., Utica, N. Y. Oil heater and vaporizer. 1,744,724; Jan. 28.
- Christensen, Christen, assignor to Electrical Engineers Equipment Co., Chicago, Ill. Switch-locking mechanism. 1,758,499; May 13.
- Christensen, Emil, Portland, Oreg. Socket. 1,753,501; Apr. 8.
- Christensen, Jens A., Omaha, Nebr. Pneumatic mattress. 1,755,205; Apr. 22.
- Christensen, Mrs. Karin H. (See Marcus, Morris, assignor.)
- Christensen, Lewis H. (See D'Ardenne, W. H., Landis, and Christensen.)

- Christensen Machine Company. (See Belluche, Elmer W., assignor.)
- Christensen Machine Company, The. (See Greene, Frederick J., assignor.)
- Christensen, Niels A., Cleveland, Ohio. Vehicle brake mechanism. Re17,899; Dec. 9.
- Christensen, Niels A., Cleveland, Ohio. Brake mechanism for automotive vehicles. 1,779,875; Oct. 28.
- Christensen, Niels A., Cleveland, Ohio. Compressor. 1,780,642; Nov. 4.
- Christensen, Niels A., Cleveland, Ohio. Compressor drive. 1,786,003; Dec. 23.
- Christensen, Niels A., Milwaukee, Wis. Brake mechanism. 1,750,875; Mar. 18.
- Christensen, Niels A., Milwaukee, Wis. Wheel-brake mechanism. 1,777,462; Oct. 7.
- Christensen, Niels C., Salt Lake City, Utah. Internal-combustion engine. 1,755,501; Apr. 22.
- Christensen, Norman V., and W. M. Hanneman, assignors to Union Special Machine Company, Chicago, Ill. Filled-bag-sewing machine. 1,756,938; May 6.
- Christensen, Norman V., and W. M. Hanneman, assignors to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,763,952; June 17.
- Christensen, Norman V., and W. M. Hanneman, Chicago, Ill. Supporting frame for sewing machine having interchangeable sewing heads. 1,773,028; Aug. 12.
- Christensen, Norman V., and W. M. Hanneman, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,773,075; Aug. 12.
- Christensen, Norman V., and H. J. Le Vesconte, assignors to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,765,206; June 17.
- Christensen, Norman V., and F. F. Zeier, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,751,508; Mar. 25.
- Christensen, Peter C., East Orange, N. J. Thermoplastic material and producing the same. 1,746,070; Feb. 4.
- Christensen, Peter M., Exira, Iowa. Wire fastener for fence posts. 1,776,887; Sep. 30.
- Christenson, George, North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Heavy-duty swab. 1,757,005; May 6.
- Christenson, George, North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Swivel-joint packing. 1,784,926; Dec. 16.
- Christfield, John G. (See Holiday, H., McKnight, and Christfield.)
- Christian, Joseph D., San Francisco, Calif. Spiral conveyor flight and making the same. 1,748,206; Feb. 25.
- Christian, Joseph D., San Francisco, Calif. Conveyor flight. 1,775,888; Sept. 16.
- Christian, Thomas, Chicago, Ill. Toothbrush. 1,780,066; Oct. 28.
- Christians, George W., Chattanooga, Tenn. Apparatus for sealing crevices in rock formations or the like. 1,763,219; June 10.
- Christiansen, Christian, assignor to Rotary Machine Company, Lynn, Mass. Folding machine. 1,743,192; Jan. 14.
- Christiansen, Christian, assignor to Rotary Machine Company, Lynn, Mass. Mechanical movement. 1,772,243; Aug. 5.
- Christiansen, Ejnar, Birmingham, England. Mixing or stirring machine. 1,767,446; June 24.
- Christiansen, Ejnar, assignor of one-half to C. O. Ericson, Birmingham, England. Intermittent gearing. 1,749,663; Mar. 4.
- Christiansen, Frederick W. (See Schaaf, O. G., and Christiansen.)
- Christiansen, Nels and C. Mortensen, Ringsted, Iowa. Flexible hinged drawbar for harrows. 1,784,576; Dec. 9.
- Christiansen, Niels, Hilton Village, Va. Door holder. 1,742,303; Jan. 7.
- Christiansen, Paul C., Copenhagen, Denmark. Device for pressing articles. 1,772,707; Aug. 12.
- Christiansen, Robert, Harburg-on-the-Elbe, Germany. Steam-distribution system for Woolf's piston compound engines. 1,746,104; Feb. 4.
- Christiansen, Walter G., Bloomfield, N. J., F. R. Chappell, Brooklyn, N. Y., and A. E. Briod, Bayonne, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Preservation of oils. 1,745,604; Feb. 4.
- Christiansen, William F., Chicago, Ill., assignor to The Zangerle and Peterson Company, Davenport or like article. Des. 80,675; Mar. 11.
- Christiansen, William F., Chicago, Ill., assignor to The Zangerle and Peterson Company, Davenport or like article. Des. 80,877; Apr. 8.
- Christianson, Andrew, Pittsburgh, Pa., assignor to Standard Steel Car Corporation. Internal-combustion-engine cooling system. 1,780,517; Nov. 4.
- Christianson, Carl O., Merriman, Nebr., assignor to Super-Automatic Food-Machine Corporation, Valentine, Nebr. Automatic waffle machine. 1,749,414; Mar. 4.
- Christie, Howard E., and K. W. Couse, Bronx, N. Y. Indicator for the cooling systems of automobiles. 1,744,447; Jan. 21.
- Christie, Howard E., and K. W. Couse, Bronx, N. Y. Indicator for the cooling system of automobiles. 1,748,596; Feb. 25.
- Christie, Howard E., and K. W. Couse, Bronx, assignors to C. N. K. Transmission Corporation, New York, N. Y. Automatic transmission. 1,780,293; Nov. 4.
- Christie, John W., Avon, N. J., assignor, by mesne assignments, to Browning Crane Company, Cleveland, Ohio. Drive for motor vehicles. 1,751,394; Mar. 18.
- Christie, Llewellyn M., assignor, by mesne assignments, to National Fireproofing Corporation, Pittsburgh, Pa. Conduit and making same. 1,786,425; Dec. 30.
- Christie, Webster. (See Yohe, P. P., and Christie.)
- Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Crimping machine. 1,787,142; Dec. 30.
- Christman, Peter J., Green Bay, Wis. Folding or interfolding machine. 1,761,517; June 3.
- Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Inhibitor material. 1,755,812; Apr. 22.
- Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Protective compound. 1,779,961; Oct. 28.
- Christmas, William W., New York, N. Y., assignor, by mesne assignments, to The General Development Company. Aeroplane body. Des. 82,314; Oct. 21.
- Christmas, William W., Ridgely Park, N. J., assignor of one-third to C. C. Hines, Washington, D. C. Casein containing plastic composition. 1,758,500; May 13.
- Christofferson, Christian A., St. Paul, Minn., assignor to The General Railway Signal Company. Acknowledging device for train-control systems. 1,755,772; Apr. 22.
- Christoph, Edward A., Chicago, Ill. Toy gun. 1,768,117; June 24.
- Christophel, Carl E., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Folding machine. 1,760,819; May 27.
- Christophel, Carl E., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet-feeding device. 1,763,598; June 10.
- Christophel, Carl E., deceased, late of Pearl River, by The First National Bank and Trust Company of New York, executor; said Christophel assignor to Dexter Folder Company, New York, N. Y. Sheet-feeding device. 1,784,335; Dec. 9.
- Christophel, Carl E., deceased, late of Pearl River, by The First National Bank and Trust Company of Pearl River, New York, executor; said Christophel assignor to Dexter Folder Company, New York, N. Y. Sheet-feeding device. 1,784,336; Dec. 9.
- Christophel, Lewis W., Clayton, Mo., assignors to Atlas Tack Corporation, Fairhaven, Mass. Lock for trunks. 1,770,066; July 8.
- Christophel, William H., jr., Norwood, assignor to The Wolf Machine Company, Cincinnati, Ohio. Marking machine. 1,771,399; July 29.
- Christopher, Calvin F., Canton, N. C. Filling-station machine. 1,750,389; Mar. 11.
- Christopher, Harold S., Los Angeles, Calif., assignor, by mesne assignments, to The Paraffin Companies, Inc. Machine for treating pipes and the like. Re17,675; May 27.
- Christopher, John H., Schenectady, N. Y., assignor to General Electric Company. Production of piezo-electric elements. 1,746,144; Feb. 4.
- Christophers, Digby R. N., South Kensington, London, England. Convertible bed settee. 1,752,417; Apr. 1.
- Christophersen, Hagbart S., Odense, Denmark. Tire-deflation signal. 1,763,639; June 17.
- Christophersen, Herbert, East Orange, N. J., assignor to Revere Rubber Company, Chelsea, Mass. Shaft protector and manufacturing the same. 1,755,387; Apr. 22.
- Christopherson, Alfred C., assignor to Hacker Manufacturing Company, Chicago, Ill. Printing press. 1,759,542; May 20.
- Christopherson, Charles J., Oak Park, Ill. Window holder. 1,781,870; Nov. 18.
- Christy, Arley B., assignor of one-third to The Light Grain & Milling Company, and one-third to W. E. Bush, Liberal, Kans. Control mechanism for grain-car-unloading apparatus. 1,780,578; Nov. 4.
- Christy, Frank W., and J. A. Torrey, Beverly, Mass. Pressing device for sole-laying machines. 1,743,845; Jan. 14.
- Christy, Reynold W. (See Bishop, J. T., and Christy.)
- Christy, Russ J., Fremont, Ohio. Safety razor. 1,777,602; Oct. 7.
- Christy, Theodore. (See Stefanide, Nick, assignor.)
- Crittton, George A., trustee. (See Eckart, George F., assignor.)
- Chrobaltic Tool Company. (See Sullivan, William B., assignor.)
- Chromeplate, Inc. (See Lichtman, Louis, assignor.)
- Chromy, Ben J., Hopkins, Minn., assignor to Wired Radio, Inc., New York, N. Y. Sound-recording apparatus. 1,763,220; June 10.
- Chrul, Teofil J., Baltimore, Md. Snow collecting and melting machine. 1,746,417; Feb. 11.
- Chrul, Teofil J., Baltimore, Md. Manual stirrer and container for sirups. 1,761,613; June 3.
- Chrysler Corporation. (See Breer, Carl, assignor.)
- Chrysler Corporation. (See Calkins, William G., assignor.)
- Chrysler Corporation. (See Campbell, Elba D., assignor.)
- Chrysler Corporation. (See Campbell, James, assignor.)

- Chrysler Corporation. (See Carpentier, Melbourne L., assignor.)
- Chrysler Corporation. (See Cochrane, Walter S., assignor.)
- Chrysler Corporation. (See Cripps, Albert A., assignor.)
- Chrysler Corporation. (See Eisele, Charles W., assignor.)
- Chrysler Corporation. (See Hadley, Newton F., assignor.)
- Chrysler Corporation. (See Henderson, Herbert V., assignor.)
- Chrysler Corporation. (See Kent, Philip J., assignor.)
- Chrysler Corporation. (See Lamborn, Fred J., assignor.)
- Chrysler Corporation. (See Lee, Roger K., assignor.)
- Chrysler Corporation. (See Maynard, Howard E., assignor.)
- Chrysler Corporation. (See McClellan, Harry S., assignor.)
- Chrysler Corporation. (See Mitchell, Clarence E., assignor.)
- Chrysler Corporation. (See Noble, W., and Pierson, assignors.)
- Chrysler Corporation. (See Pfeiffer, Karl, assignor.)
- Chrysler Corporation. (See Probert, S. C., and Lamborn, assignors.)
- Chrysler Corporation. (See Probert, S. C., and Spurr, assignors.)
- Chrysler Corporation. (See Selje, Frederick A., assignor.)
- Chrysler Corporation. (See Servais, Frank P., assignor.)
- Chrysler Corporation. (See Skelton, Owen R., assignor.)
- Chrysler Corporation. (See Woolson, Harry T., assignor.)
- Chrysler Corporation. (See Zeder, James C., assignor.)
- Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition distributor. 1,745,077; Jan. 28.
- Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,749,319; Mar. 4.
- Chryst, William A., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine starter. 1,749,320; Mar. 4.
- Chryst, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Universal joint. 1,749,322; Mar. 4.
- Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition system. 1,759,435; May 20.
- Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition apparatus. 1,759,436; May 20.
- Chryst, William A., assignor to Delco-Remy Corporation, Dayton, Ohio. Ignition apparatus. 1,759,437; May 20.
- Chryst, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,759,888; May 27.
- Chryst, William A., Dayton, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Making a clutch shell and pinion assembly for engine-starter drives. 1,761,518; June 3.
- Chryst, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Universal joint for shock absorbers. 1,766,880; June 24.
- Chryst, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Universal joint for shock absorbers. 1,766,881; June 24.
- Chryst, William A., assignor to Delco Products Corporation, Dayton, Ohio. Pivot joint. 1,766,882; June 24.
- Chryst, William A., assignor to Delco-Remy Corporation, Dayton, Ohio. Circuit interrupter. 1,785,887; Dec. 23.
- Chryst, William A., and G. W. Elsey, assignors to Delco-Remy Corporation, Dayton, Ohio. Engine starter. 1,749,321; Mar. 4.
- Chryst, William A., and H. C. Walters, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Electric pump. 1,742,848; Jan. 7.
- Chryst, William A., and H. C. Walters, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Liquid-supply apparatus. 1,749,318; Mar. 4.
- Chubb, Lewis W., Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vacuum-type inverted converter. Re17,693; June 3.
- Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio system. 1,781,268; Nov. 11.
- Chubb, Rowland N., Los Angeles, Calif. Changeable sign. 1,755,315; Apr. 22.
- Chulstrom, John M. (See McGuinness, W. V., Chulstrom, and Francis.)
- Chumos, Constantine G. (See Collins, Robert E., assignor.)
- Chuprin, Charles V., Mount Carmel, Pa. Cuff fastener. 1,752,732; Apr. 1.
- Chuprin, Charles V., and I. J. Chuprin, Mount Carmel, Pa. Light for motor vehicles. 1,759,299; May 20.
- Chuprin, Ignatius J. (See Chuprin, Charles V. and I. J.)
- Church, Harold D., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch construction. 1,746,213; Feb. 4.
- Church, Harold D., Cleveland Heights, assignor to The White Motor Company, Cleveland, Ohio. Compressor mounting for automotive vehicles. 1,747,504; Feb. 18.
- Church, Harold D., Fairfield, Conn., assignor to The Belflex Corporation, New York, N. Y. Bracket. 1,748,974; Mar. 4.
- Church, Maynard D., assignor to Moore Steam Turbine Corporation, Wellsville, N. Y. Elastic-fluid-engine power installation. 1,742,580; Jan. 7.
- Church, Walter L., assignor of one-half to W. L. Pearce, Houston, Tex. Casing cutter. 1,755,206; Apr. 22.
- Church, Walter L., assignor of one-half to W. L. Pearce, Houston, Tex. Pipe holder. 1,755,572; Apr. 22.
- Church, Walter L., Houston, assignor of one-half to W. L. Pearce, Harris County, Tex. Casing cutter. 1,773,389; Aug. 19.
- Church, Walter L., assignor of one-half to J. D. Nixon, Houston, Tex. Combination packer and setting tool. 1,776,772; Sept. 30.
- Church, Walter L., and W. L. Pearce, Houston, Tex. Jar. 1,747,020; Feb. 11.
- Church, William F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Mold. 1,775,812; Sept. 16.
- Churchill Cabinet Company. (See Gullicksen, Ole, assignor.)
- Churchill, Charles R., and J. R. Haynen, assignors to Electric Appliance Company, New Orleans, La. Road-working apparatus. 1,763,457; June 10.
- Churchill Machine Tool Company Limited, The. (See Asbridge, Harry H., assignor.)
- Churchill, Ralph A., Spokane, Wash. Motor-vehicle semaphore. 1,759,838; May 27.
- Churchill, Ralph H., Chicago, Ill. Material and method for sealing leaks in liquid-circulating systems. 1,746,028; Feb. 4.
- Churchill, Ralph H., Chicago, Ill. Heat-conducting system. 1,762,547; June 10.
- Chute, Harold G., Seattle, Wash. Pack carrier. 1,761,426; June 3.
- Chute, Harry O., New York, N. Y. Vulcanization of rubber. 1,782,713; Nov. 25.
- Chute, Stanley J., Ridgewood, N. J., assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,782,409; Nov. 25.
- Chutter, George A., Schenectady, N. Y., assignor to General Electric Company. Induction furnace. 1,752,887; Apr. 1.
- Cibulas, Stephen E., Bridgeport, Conn. Skylight construction. 1,772,068; Aug. 5.
- Cibulas, Stephen E., Bridgeport, Conn. Ventilator. 1,783,406; Dec. 2.
- Cicali, Giovanni, Bologna, Italy. Production of oxygen and nitrogen. 1,772,856; Aug. 12.
- Cicali, Giovanni, Bologna, Italy, assignor to Società Brevetti Cicali, Anonima, Padova, Italy. Calorimetric bomb for the catalysis of ammonia. 1,744,750; Jan. 28.
- Ciccioanni, Joseph, Detroit, Mich. Aeroplane. 1,761,777; June 3.
- Cihak, Anthony L., Waterloo, Iowa. Automatic air-pressure regulator for gas machines. 1,769,204; July 1.
- Cilley, Albert E., Melrose, Mass. Process and tool for surfacing blanket cylinders. 1,752,940; Apr. 1.
- Cimorosi, Alberto, Elkton, Md. Salute and making same. 1,783,999; Dec. 9.
- Cinch Manufacturing Corporation. (See Kimbell, Arthur W., assignor.)
- Cinch Manufacturing Corporation. (See Knutson, Carl L., assignor.)
- Cincinnati Ball Crank Company, The. (See Butler, Clyde G., assignor.)
- Cincinnati Ball Crank Company, The. (See Butler, C. G., and Woelfer, assignors.)
- Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
- Cincinnati Bickford Tool Company, The. (See Klausmeyer, D. C., and Darby, assignors.)
- Cincinnati Bickford Tool Company, The. (See Klausmeyer, D. C., and Gibson, assignors.)
- Cincinnati Bickford Tool Company, The. (See Klausmeyer, D. C., and Norris, assignors.)
- Cincinnati Bickford Tool Company, The. (See Norris, H. M., and Klausmeyer, assignors.)
- Cincinnati Butchers' Supply Company, The. (See Harris, John P., assignor.)
- Cincinnati Car Corporation, The. (See Elliott, Joseph H., assignor.)
- Cincinnati Car Corporation, The. (See Ellis, Charles J., assignor.)
- Cincinnati Fly Screen Company, The. (See Schneider, Albert C. and H. E., assignors.)
- Cincinnati Grinders Incorporated. (See Binns, George W., assignor.)
- Cincinnati Grinders Incorporated. (See Binns, G. W., and Archa, assignors.)
- Cincinnati Grinders Incorporated. (See Booth, Clement, assignor.)
- Cincinnati Grinders Incorporated. (See Caster, J. E., and Haas, assignors.)
- Cincinnati Grinders Incorporated. (See Einstein, Sol, assignor.)
- Cincinnati Grinders Incorporated. (See Einstein, S., and Turner, assignors.)
- Cincinnati Grinders Incorporated. (See Ernst, Hans, assignor.)
- Cincinnati Grinders Incorporated. (See Heim, Lewis R., assignor.)
- Cincinnati Grinders Incorporated. (See Holmes, Harold W., assignor.)
- Cincinnati Grinders Incorporated. (See Seward, Ernest R., assignor.)
- Cincinnati Grinders Incorporated. (See Turner, Albert, assignor.)

- Cincinnati Milling Machine Company, The. (See Archea, Walter D., assignor.)
- Cincinnati Milling Machine Company. (See Einstein, Sol, assignor.)
- Cincinnati Milling Machine Company, The. (See Heitkamp, Frederick B., assignor.)
- Cincinnati Milling Machine Company. (See Nenninger, Lester F., assignor.)
- Cincinnati Mine Machinery Co. (See Cartlidge, Frank, assignor.)
- Cincinnati Patent Engineering Company, The. (See Cornish, Guy S., assignor.)
- Cincinnati Planer Company, The. (See Gillham, R., Addison, Wetzel, and Langen, assignors.)
- Cincinnati Time Recorder Company, The. (See Streckfuss, Elmer G., assignor.)
- Cincinnati Time Recorder Company, The. (See Yates, James W., assignor.)
- Cinema Laboratorys Corporation. (See Kitsée, I., and Law, assignors.)
- Cinema Patents Company. (See De Beaulieu, Leon, assignor.)
- Cioffi, Paul P., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Variable inductance. 1,763,881; June 17.
- Cipollina, Leonardi, Gulfport, Miss. Heel attaching device. 1,785,808; Dec. 23.
- Cirac, Charles P., San Francisco, Calif. Automatic control for reverse lock mechanisms. 1,748,410; Feb. 25.
- Cirac, Charles P., San Francisco, Calif. Reverse lock mechanism. 1,780,907; Nov. 11.
- Circle F Mfg. Co. (See Freeman, Edgar H., assignor.)
- Circle F Mfg. Co. (See Petersen, Carl M., assignor.)
- Circle Pump Company. (See Lawrence, Joseph L., assignor.)
- Cirelli, Francesco, Philadelphia, Pa. Transmitter. 1,758,650; May 13.
- Ciriello, Vincent, Readville, Mass. Track-clearing device. 1,776,179; Sept. 16.
- Cirimele, Peter M., Los Banos, Calif. Indicator for wrecked submerged crafts. 1,759,839; May 27.
- Citizens of the United States, The. (See Owen, William L., assignor.)
- Citizens of the United States, The. (See Wiegand, Ernest H., assignor.)
- Citizens Savings Bank & Trust Company, The, executor. (See Anderson, Olaf A.)
- Citron, William J., assignor to The Trallograf Company, Inc., San Francisco, Calif. Device for projecting films. 1,759,391; May 20.
- Citronesia Company. (See Lange, Charles, assignor.)
- Citrus Compound Corporation. (See Bates, Harry R., assignor.)
- City Auto Stamping Company, The. (See Whitlock, George E., assignor.)
- Claassen, Hermann, Dormagen, Germany. Manufacture of baking yeast. 1,774,546; Sept. 2.
- Clagett, George M., Upper Marlboro, Md. Pump. 1,776,147; Sept. 16.
- Claghorn, Robert B., Greenfield, Mass. Reversible sulky plow. 1,769,769; July 1.
- Claiborne, Robert W., New Canaan, Conn. Stringed musical instrument. 1,754,263; Apr. 15.
- Claiborne, Sidney, Fort Worth, Tex., assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,569; July 1.
- Clap, Harvey & Co. (See Person, Axel, assignor.)
- Clapp, Albert L., Danvers, Mass. Automobile spring cover. 1,745,527; Feb. 4.
- Clapp, Albert L., Danvers, Mass. Utilizing spent lime cooking liquors in the manufacture of paper. 1,758,247; May 13.
- Clapp, Albert L., Danvers, Mass. Liner board or paper. 1,765,860; June 24.
- Clapp, Albert L., Danvers, assignor to Beckwith Manufacturing Company, Boston, Mass. Box toe. 1,765,861; June 24.
- Clapp, Albert L., Danvers, Mass. Metal-coated paper article and making same. 1,765,862; June 24.
- Clapp, Albert L., Danvers, Mass. Automobile spring cover. 1,765,863; June 24.
- Clapp, Albert L., Danvers, assignor to The Flintkote Company, Boston, Mass. Waterproof paper products and the like and making the same. 1,771,744; July 29.
- Clapp, Albert L., Danvers, assignor to The Flintkote Company, Boston, Mass. Water-resistant paper or paper-board product and making the same. 1,771,745; July 29.
- Clapp, Albert L., Danvers, assignor to Bennett, Incorporated, Boston, Mass. Producing aqueous dispersions. 1,787,338; Dec. 30.
- Clapp, Albert L., Danvers, assignor to Bennett, Incorporated, Boston, Mass. Apparatus for producing aqueous dispersions. 1,787,339; Dec. 30.
- Clapp, Clara, administratrix. (See Clapp, Solon F.)
- Clapp, Revere E., Newark, N. J., assignor to Oxweld Acetylene Company, Inc. Relief valve. 1,770,912; July 22.
- Clapp, Robert H., Ramsey, N. J., assignor to American Telephone and Telegraph Company. Suppression of interference in carrier telegraph systems. 1,752,330; Apr. 1.
- Clapp, Robert H., Ramsey, N. J., assignor to American Telephone and Telegraph Company. Carrier telegraph circuits. 1,773,092; Aug. 19.
- Clapp, Solon F., deceased, Temple, Tex., by C. Clapp, administratrix. Ballast-dressing machine for railroads. 1,750,506; Mar. 11.
- Clapp, Stuart H., Washington, D. C., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Brake mechanism. 1,753,362; Apr. 8.
- Clapp, Stuart H., Washington, D. C., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Brake mechanism. 1,768,351; June 24.
- Clapper, Josepaus A. (See Law, R. B., and Clapper.)
- Clara, Walter G., Detroit, Mich. Closure to paste tubes and other containers. 1,775,119; Sept. 9.
- Claravox, Inc. (See Semple, Charles E., jr., assignor.)
- Clare, George L., Chicago, Ill. Telephone-mouthpiece sterilizer. 1,772,129; Aug. 5.
- Clarinda Manufacturing Company. (See Olson, Carl A., assignor.)
- Clark, Adam, Willows, Saskatchewan, Canada. Earth-excavating machine. 1,786,335; Dec. 23.
- Clark, Alva B., Wyoming, N. J., assignor to American Telephone and Telegraph Company. Measuring the end-section capacity of coil-loaded telephone circuits. 1,746,304; Feb. 11.
- Clark, Alva B., Wyoming, N. J., assignor to American Telephone and Telegraph Company. Measurement of echoes. 1,748,171; Feb. 25.
- Clark, Alva B., Wyoming, and F. H. Best, Westfield, N. J., assignors to American Telephone and Telegraph Company. Transmission-measuring system. 1,746,241; Feb. 11.
- Clark, Arthur R., assignor of one-half to G. J. Kohn, Chicago, Ill. Lighting fixture. 1,748,278; Feb. 25.
- Clark, Billie, Winfield, Kans. Casing connection. 1,778,662; Oct. 14.
- Clark Box Company, The. (See Johnson, William C., assignor.)
- Clark Bros. Co. (See Hubbell, Alfred W., assignor.)
- Clark, Carl L., assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Storage box. 1,757,618; May 6.
- Clark, Carl L., and W. W. Galbreath, assignors to The Youngstown Pressed Steel Co., Warren, Ohio. Sectional box and platform. 1,755,725; Apr. 22.
- Clark, Cecil F. (See Clark, Mabel V. and C. F.)
- Clark, Cecil F., and M. V. Clark, Los Angeles, Calif. Snap fastener. 1,787,143; Dec. 30.
- Clark, Claiborn, Wilmar, Calif. Combined chin rest and muting device. 1,754,544; Apr. 15.
- Clark, Clarence W. (See Halldin, Gustaf, assignor.)
- Clark Controller Company, The. (See Schnabel, James F., assignor.)
- Clark Controller Company, The. (See Watson, Leon A., assignor.)
- Clark, Cyrus, Co. (See Gall, Aloise, assignor.)
- Clark, Dwight G. (See Allyn, Robert S.)
- Clark, E. Calvin, et al. (See Riley, Charles T., assignor.)
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Magnetic switch. 1,743,115; Jan. 14.
- Clark, Edgar H. (See Lundell, A. E., and Clark.)
- Clark, Edgar H. (See Walters, J. N., and Clark.)
- Clark, Edgar H., Richmond Hill, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,743,429; Jan. 14.
- Clark, Edgar H., Forest Hills, and W. W. Carpenter, Queens Village, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone-exchange system. 1,767,959; June 24.
- Clark, Edgar H., Forest Hills, and W. W. Carpenter, Queens Village, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone exchange. 1,767,960; June 24.
- Clark, Edgar H., Forest Hills, and W. W. Carpenter, Queens Village, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone-exchange system. 1,767,961; June 24.
- Clark, Edgar H., Forest Hills, and W. W. Carpenter, Queens Village, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone-exchange system. 1,767,962; June 24.
- Clark, Edward E., Los Angeles, Calif. Shoulder-pistol holster. 1,781,162; Nov. 11.
- Clark, Edward F., North Attleboro, and J. H. Murdock, Holbrook, assignors, by mesne assignments, to Clark Lighter Co., Inc., North Attleboro, Mass. Pocket vapor cigar lighter. 1,765,004; Jan. 17.
- Clark, Edward L. C., Dedham, and S. O'Hara, Waltham, Mass. Metal tile. 1,770,067; July 8.
- Clark, Edward O., Chillicothe, Mo. Scriber and ellipsograph. 1,743,024; Jan. 7.
- Clark, Edwin M., Clarkston, Mich. Flashing switch. 1,748,329; Feb. 25.
- Clark, Ellsworth A. (See Bleecker, W. F., and Clark.)
- Clark, Emery E., Topeka, Kans. Rotary riding mechanism. 1,758,558; May 13.
- Clark Equipment Company. (See Burger, Frederick W., assignor.)
- Clark Equipment Company. (See Mogford, Edmund C., assignor.)
- Clark Equipment Company. (See Mogford, E. C., and Burger, assignors.)
- Clark Equipment Company. (See Mogford, E. E., and Spatta, assignors.)

- Clark Equipment Company. (See Spatta, George, assignor.)
- Clark, Ernest L., Hartford, Conn. Rail-handling apparatus. 1,772,857; Aug. 12.
- Clark, Ernest W. (See Schramm, C., and Clark.)
- Clark, Ernest W., Schenectady, N. Y., assignor to General Electric Company. High-tension electric cable. 1,770,877; July 15.
- Clark, Ernest W., Hartford, and Carl Schramm, West Hartford, assignors to The Smyth Manufacturing Company, Hartford, Conn. Book signature feed. 1,774,170; Aug. 26.
- Clark, Farley G. (See Allan, William G., assignor.)
- Clark, Farley G. (See Austin, W. R., and Smith, assignors.)
- Clark, Farley G. (See Clark, F. G., and Smith, assignors.)
- Clark, Farley G., and J. N. Smith, Toronto, Ontario, Canada, assignors, by mesne assignments, to F. G. Clark. Electrolytic apparatus. 1,757,235; May 6.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Oil-insulated electrical device. 1,776,309; Sept. 23.
- Clark, Frank M., and A. T. Harding, Pittsfield, Mass., assignors to General Electric Company. Oil-purification process. 1,776,550; Sept. 23.
- Clark, Fred D., Kansas City, Mo. Building. Des. 82,726; Dec. 9.
- Clark, Frederick, Alameda, assignor to Alaska Packers Association, San Francisco, Calif. Can-filling machine. 1,761,653; June 3.
- Clark, Frederick, Alameda, assignor to Alaska Packers Association, San Francisco, Calif. Automatic release. 1,775,810; Sept. 16.
- Clark, Frederick J., Buffalo, N. Y., assignor to Steam Pressing Iron Company, Chicago, Ill. Temperature-indicating instrument for pressing irons. 1,746,929; Feb. 11.
- Clark, Frederick J., assignor to Eastman Machine Company, Buffalo, N. Y. Attachment for cloth-cutting machines. 1,746,930; Feb. 11.
- Clark, Frederick J., Buffalo, N. Y., assignor to Steam Pressing Iron Company, Chicago, Ill. Pressing iron or implement. 1,766,602; June 24.
- Clark, Frederick J., Buffalo, N. Y., assignor to Steam Pressing Iron Company, Chicago, Ill. Pressing iron. 1,766,603; June 24.
- Clark, Frederick W., Vaucluse, near Sydney, New South Wales, Australia. Car-suspension-spring damper. 1,758,596; May 13.
- Clark, George H., Cincinnati, Ohio, assignor, by mesne assignments, to Merriman Brothers, Inc., Boston, Mass. Hollow cylinder or bushing and recessing the same. 1,751,906; Mar. 25.
- Clark, George J. J., Whitman, assignor to National Fireworks, Inc., West Hanover, Mass. Safely manufacturing and packaging torpedoes and the like. 1,744,751; Jan. 28.
- Clark, George J. J., Whitman, and E. B. Jones, South Weymouth, assignors to National Fireworks, Inc., West Hanover, Mass. Aerial flare. 1,755,388; Apr. 22.
- Clark, George J. J., Whitman, and E. B. Jones, South Weymouth, assignors to National Fireworks, Inc., West Hanover, Mass. Aerial flare. 1,755,389; Apr. 22.
- Clark, George H., assignor to The Formica Insulation Company, Cincinnati, Ohio. Silent gears, etc., and method of manufacture. 1,776,619; Sept. 23.
- Clark, George P. (See Dodge, John H., assignor.)
- Clark, Geraldine P., Victoria, British Columbia, Canada. Duplicating machine. 1,767,237; June 24.
- Clark Grave Vault Company, The. (See Ladd, Bruce C., assignor.)
- Clark, Harold H. (See McChesney, C. S., and Clark.)
- Clark, Harold J. (See Taylor, George W., assignor.)
- Clark, Harold W., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Garden shears. 1,782,029; Nov. 18.
- Clark, Harold W., assignor to The Buckeye Jack Manufacturing Company, Alliance, Ohio. Lifting jack. 1,786,643; Dec. 30.
- Clark, Harry W., Wyandotte County, Kans. Inking fountain. 1,759,889; May 27.
- Clark, Horace H., New York, N. Y. Method and apparatus for making flanged containers. 1,776,888; Sept. 30.
- Clark, Ira J., Fort Morgan, Colo. Valve-stem lock-replacing tool. 1,779,306; Oct. 21.
- Clark, Israel L., Riverside, R. I. Collapsible drum. 1,768,438; June 24.
- Clark, J. R., Co., The. (See Kalgren, John E., assignor.)
- Clark, James, assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Making middle rings for pipe couplings. 1,745,783; Feb. 4.
- Clark, James E. (See Clark, Thomas E. and J. E.)
- Clark, James H., assignor to Briggs Manufacturing Company, Detroit, Mich. Seat assembly. 1,756,147; Apr. 29.
- Clark, James R., assignor to Kenneth Cotton Mills, Wall-halla, S. C. Bed spread or similar article. Des. 82,251; Oct. 14.
- Clark, James R., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Card-ledger tray. 1,774,914; Sept. 2.
- Clark, James W., Chicago, Ill. Wrist-watch strap fastener. 1,765,966; June 24.
- Clark, J. L., Manufacturing Co. (See Kjellstrom, John H., assignor.)
- Clark, John H., Whetstone, England. Piano. 1,781,216; Nov. 11.
- Clark, John L., assignor of one-half to W. A. Yoho, Scottsdale, Pa. Hammer. 1,752,588; Apr. 1.
- Clark, John M., Detroit, Mich. and I. D. Ford, Roseland, Ontario, Canada, assignors to Universal Button Fastening & Button Company, Detroit, Mich. Button. 1,752,418; Apr. 1.
- Clark, John M., Detroit, Mich., and I. D. Ford, Roseland, Ontario, Canada, assignors to Universal Button Fastening & Button Co., Detroit, Mich. Button. 1,752,419; Apr. 1.
- Clark, John M., Detroit, Mich., and I. D. Ford, Roseland, Ontario, Canada, assignors to Universal Button Fastening & Button Company, Detroit, Mich. Button. 1,752,420; Apr. 1.
- Clark, John M., New York, N. Y. Emergency feeder device for submarines. 1,783,221; Dec. 2.
- Clark, John T., Lake City, Ark. Cultivator attachment. 1,751,682; Mar. 25.
- Clark, Joseph C., assignor to The Ohio State Stove Company, Columbus, Ohio. Cooking range. Des. 82,019; Sept. 16.
- Clark, Joseph C., assignor to The Ohio State Stove Company, Columbus, Ohio. Cooking range. Des. 82,020; Sept. 16.
- Clark, Joseph H., Berkeley, Calif. Stay-down shirt. 1,786,105; Dec. 23.
- Clark, J. R., Company. (See Kalgren, John E., assignor.)
- Clark, Keith, Ridgewood, N. J. Pad calendar. 1,776,549; Sept. 23.
- Clark, Keith, Ridgewood, N. J. Desk calendar. 1,782,985; Nov. 25.
- Clark, Lee H., Rosemont, assignor to The Sharples Specialty Company, Philadelphia, Pa. Purifying oil. 1,747,161; Feb. 18.
- Clark, Leon H., and W. S. Sengpiel, assignors to The Sikes Company, Philadelphia, Pa. Chair. 1,785,337; Dec. 16.
- Clark, Lida C., et al. (See Allyn, Robert S., assignor.)
- Clark Lighter Co. (See Clark, E. F., and Murdock, assignors.)
- Clark Lighter Co. Inc. (See Pollak, A., and O'Brien, assignors.)
- Clark Loose Leaf Manufacturing Company. (See Kemp, John B., assignor.)
- Clark, Mabel V. (See Clark, Cecil F., and M. V.)
- Clark, Mabel V. and C. F., Jersey City, N. J. Mounting means for snap fasteners. 1,750,992; Mar. 18.
- Clark Manufacturing Company, The. (See Strong, Leslie P., assignor.)
- Clark, Max J., Pontiac, Mich., assignor to The Willys-Overland Company, Toledo, Ohio. Connecting rod. 1,773,093; Aug. 19.
- Clark, Meredith, Hempstead, N. Y. Lamp socket. 1,760,477; May 27.
- Clark, Mills G., East Cleveland, and W. G. Fording, Lakewood, Ohio. Dishwasher. 1,755,101; Apr. 15.
- Clark, Milton T., and J. R. Montgomery, assignors to Truscon Steel Company, Youngstown, Ohio. Window frame. 1,758,885; May 13.
- Clark, Norman, Canton, Ohio. Gyroscopic and aerodynamic stabilizer. 1,770,199; July 8.
- Clark, Omar E., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Haulage apparatus. 1,752,333; Apr. 1.
- Clark, Omar E., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Lubricator. 1,755,240; Apr. 22.
- Clark, Omar E., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Hole-cleaning apparatus. 1,760,582; May 27.
- Clark, Otto B. (See Sanford, R. S., and Clark.)
- Clark, P. M. (See Taft, John A., assignor.)
- Clark, Paul L., Brooklyn, N. Y. Radiographic apparatus. 1,745,528; Feb. 4.
- Clark, Paul L., Brooklyn, N. Y. Television apparatus. 1,776,148; Sept. 16.
- Clark, Ralph C. (See Goetz, H. W., and Clark.)
- Clark, Ralph O., Estherville, Iowa. Lawn mower. 1,775,421; Sept. 9.
- Clark, Randal W. (See Burbans, J. A., and Clark.)
- Clark, Rex W. (See Gates, G. C., Clark, and Wills.)
- Clark, Richard L., Cleveland, Ohio, and C. T. Craker, Corry, Pa., assignors to Strong-Carlisle & Hammond Company, Cleveland, Ohio. Combined separator and trap assembly. 1,762,385; June 10.
- Clark, Robert G., Brooklyn, N. Y. Feeder and sorter. 1,757,793; May 6.
- Clark, Robert G., Brooklyn, N. Y. Circular loom. 1,761,293; June 3.
- Clark, Robert G., Brooklyn, N. Y. Design-weaving attachment for looms. 1,769,052; July 1.
- Clark, Robert K., Springfield, Mass., assignor to The American Thread Company, New York, N. Y. Sewing-machine bobbin. 1,780,742; Nov. 4.
- Clark, Sidney C., assignor to American Gypsum Company, Port Clinton, Ohio. Stucco mixer. 1,747,466; Feb. 18.
- Clark, Stanley A., Schenectady, N. Y., assignor to General Electric Company. High-frequency communication system. 1,773,613; Aug. 19.
- Clark, Stanley G., et al. (See Funk, William G., assignor.)
- Clark, Theodore W., Chicago, Ill., assignor to The Strong, Carlisle and Hammond Company, Cleveland, Ohio. Furnace. 1,769,053; July 1.

- Clark, Thomas E. and J. E., assignors to Continuous Train Control Corporation, Detroit, Mich. Train-control system. 1,770,371; July 8.
- Clark, Thomas E. and J. E., assignors to Continuous Train Control Corporation, Detroit, Mich. Locomotive-control installation. 1,774,227; Aug. 26.
- Clark, Thomas E. and J. E., assignors to Continuous Train Control Corporation, Detroit, Mich. Track installation to control railway trains. 1,780,416; Nov. 4.
- Clark, Thomas L. (See Kanter, M. W., Clark, and Wilson.)
- Clark, Thomas R. (See Giesler, J. V., Carson, and Clark.)
- Clark, Thomas R., Knox County, assignor to The Fulton Siphon Company, Knoxville, Tenn. Thermostat support. 1,784,045; Dec. 9.
- Clark Tractor Company. (See Burrows, Robert J., assignor.)
- Clark Tractor Company. (See Burrows, R. J., and Burnside, assignors.)
- Clark Tractor Company. (See Stockfleth, B., and Burger, assignors.)
- Clark, Urban D. (See Scott, Vernon A., assignor.)
- Clark, Wallace S., Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for treating insulated conductors. 1,760,583; May 27.
- Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Extrusion machine. 1,769,205; July 1.
- Clark, Willard F., assignor to Monarch Tool & Machinery Co., Chicago, Ill. Grease pump. 1,755,684; Apr. 22.
- Clark, William G., Chicago, Ill. Dust collector. 1,753,502; Apr. 8.
- Clark, William H., Baltimore, Md. Rumble-seat top. 1,778,584; Oct. 14.
- Clark, William T., Philadelphia, Pa., assignor to Whiting Corporation, Harvey, Ill. Casting-cleaning apparatus. 1,768,570; July 1.
- Clarke, Albert, Des Moines, Iowa. Clamp. 1,751,620; Mar. 25.
- Clarke, Alex A. (See Manthey, Edward F., assignor.)
- Clarke, Alex A., Chicago, Ill. Cutter head. 1,780,170; Nov. 4.
- Clarke, Alexander F., Verona, Pa., assignor to Copper Plate Sheet and Tube Company, New York, N. Y. Feeding mechanism for metal-treating machines. 1,763,092; June 10.
- Clarke, Allen S., Danville, Va. Radioreceiver. 1,769,256; July 1.
- Clarke, Bruce E., Kansas City, Mo., and A. Danciger, Tulsa, Okla. Capping and sediment-retaining device for bottled beverages. 1,758,219; May 13.
- Clarke, Bruce E., and A. A. Schlew, Tulsa, Okla. Cast or splint removing device. 1,784,337; Dec. 9.
- Clarke, Benjamin, et al. (See Duggan, William H., assignor.)
- Clarke, C. W., et al. (See Duggan, W. H., assignor.)
- Clarke, Charles W., Huntington, W. Va. Air balancing gauge. 1,778,355; Oct. 14.
- Clarke, Charles W. E., New York, N. Y. Steam boiler. 1,778,379; Oct. 14.
- Clarke, Clarence M., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Press. 1,748,539; Feb. 25.
- Clarke, Edward J., Charing Cross, assignor to Alloy Welding Processes Limited, Charing Cross, England. Electrode for electric welding or soldering. 1,763,417; June 10.
- Clarke, Eric D., Cleveland, Ohio. Washing machine. 1,747,620; Feb. 18.
- Clarke, Eric D., Parma, Ohio. Washing machine. 1,772,207; Aug. 5.
- Clarke, Frank M., et al. (See Duggan, William H., assignor.)
- Clarke, John A., jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,768,745; July 1.
- Clarke, John Q., Crawfordsville, Ind., assignor to W. W. Clarke, Los Gatos, Calif. Burial casket. 1,779,693; Oct. 28.
- Clarke, John Q., Crawfordsville, Ind. Burial-casket attachment. 1,780,171; Nov. 4.
- Clarke, Hans T., assignor to Eastman Kodak Company, Rochester, N. Y. Making aminophenol derivatives. 1,745,843; Feb. 4.
- Clarke, Harry R. (See Beardsley, H. I., and Clarke.)
- Clarke, Henry J. (See Mojonnier, J. J., Phillips, and Clarke.)
- Clarke, John L., Forest Hills, N. Y. Match holder. 1,749,019; Mar. 4.
- Clarke, Lester J., New York, N. Y. Collapsible sled. 1,754,011; Apr. 8.
- Clarke, Louis S. (See Bachman, B. B., and Clarke.)
- Clarke, René, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. Des. 81,476; July 1.
- Clarke, René, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand telephone. Des. 81,477; July 1.
- Clarke, William W. (See Clarke, John Q., assignor.)
- Clarkson, Alick, assignor to Brooks Steam Motors, Limited, Stratford, Ontario, Canada. Steam cleaner. 1,752,231; Mar. 25.
- Clarkson, Alick, assignor to Brooks Steam Motors, Limited, Stratford, Ontario, Canada. Magnetic valve. 1,754,740; Apr. 15.
- Clarkson, Bradley E. (See Schellentrager, E. W., and Clarkson.)
- Clarkson, Bradley E., Cleveland, Ohio. Box and cover structure. 1,743,531; Jan. 14.
- Clarkson, Edwin S., Washington, D. C., assignor to The L. C. L. Corporation. Freight-container car. 1,761,873; June 3.
- Clarkson, Edwin S., Washington, D. C., assignor to The L. C. L. Corporation. Freight-container car. 1,761,874; June 3.
- Clarkson, John L., Nashville, Ill. Loading machinery. 1,750,876; Mar. 18.
- Clarkson Thimble Tube Boiler Company, The. (See Fountain, Howard J., assignor.)
- Clarkson, Thomas, London, England. Steam generator and water heater. 1,755,949; Apr. 22.
- Clarkson, Thomas, London, England. Steam generator or water heater. 1,784,338; Dec. 9.
- Clarkson, Thomas A., Nashville, Tenn. Animal trap. 1,781,163; Nov. 11.
- Clarostat Mfg. Co. Inc. (See Bruno, William A., assignor.)
- Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Railway-car truck. 1,748,035; Feb. 18.
- Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Railway truck. 1,763,221; June 10.
- Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Railway truck. 1,763,222; June 10.
- Clasen, Friedrich, Lubeck, and H. Lenckerstorf, Stockelsdorf, assignors to Maschinenfabrik Beth, Aktiengesellschaft, Lubeck, Germany. Filtering apparatus. 1,784,339; Dec. 9.
- Clason, Ragnar, assignor to A C Spark Plug Company, Flint, Mich. Crank-case ventilation. 1,760,836; May 27.
- Clason, Ragnar, assignor to A C Spark Plug Company, Flint, Mich. Ventilator-control valve. 1,761,970; June 3.
- Class, George M., assignor to Gisholt Machine Company, Madison, Wis. Expanding-ring friction device. 1,776,415; Sept. 23.
- Class, John F., Dayton, Ohio. Inhaling device. 1,775,986; Sept. 16.
- Clatworthy, John, Tottenham Hale, assignor to D. Gestetner, Limited, London, England. Sheet-feeding mechanism and duplicating machine provided with such mechanism. 1,745,404; Feb. 4.
- Claude, Georges, assignor to Société l'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, Paris, France. Gas separation process. 1,782,287; Nov. 18.
- Claude, Josef, Frankfurt-on-the-Main, Germany. Steering gear for motor vehicles. 1,748,061; Feb. 25.
- Claudel, Charles H., Neuilly-sur-Seine, France. Carburetor for internal-combustion engines. 1,761,007; June 3.
- Claudson Laboratory Inc., The. (See Johnson, Claude R., assignor.)
- Claud-Mantle, Arthur. (See Moore, R. G., and Claud-Mantle.)
- Claud-Mantle, Arthur, assignor to The Bassick Company, Bridgeport, Conn. Handle for automobile hood catch. Des. 80,662; Mar. 4.
- Claus, Christian E. A., Chemnitz, assignor to Wanderer Werke, vorm Winkhofer & Jaenicke, A. G. Schonau, near Chemnitz, Germany. Typewriter calculating machine. 1,777,430; Oct. 7.
- Claus, Emil L., assignor, by mesne assignments, to Claus Manufacturing Co., Milwaukee, Wis. Oven-heat regulator. 1,759,222; May 20.
- Claus Manufacturing Co. (See Claus, Emil L., assignor.)
- Claus Manufacturing Co. (See Leins, Oscar J., assignor.)
- Claus, Rudolph, Ottawa, Ill. Cushion. 1,742,186; Jan. 7.
- Clausen, Andrew J., San Francisco, Calif. Shoveling machine. 1,747,698; Feb. 18.
- Clausen, Andrew J., San Francisco, Calif. Scraper mechanism. 1,759,251; May 20.
- Clausen, Andrew J., San Francisco, assignor to Marchal-Clausen Mfg. Co., Oakland, Calif. Charging machine. 1,742,494; Jan. 7.
- Clausen, Herbert M., Spokane, Wash. Pneumatic bumper. 1,780,908; Nov. 11.
- Clausen, Leon R., assignor to J. I. Case Company, Racine, Wis. Combination harvester thrasher. 1,748,831; Feb. 25.
- Clauser, Herbert, assignor to Victory Sparkler & Specialty Company, Elkton, Md. Sealing compound for pyrotechnic devices. 1,762,911; June 10.
- Clausing, George W., Chicago, Ill. Hoisting carrier. 1,768,542; July 1.
- Clausing, George W., Chicago, Ill. Hanger. 1,768,543; July 1.
- Clausing, Pieter. (See De Boer, J. H., and Clausing.)
- Clausnitzer, Rudolf A., Lubeck, Germany. Control means for superregenerative receivers. 1,754,264; Apr. 15.
- Clauson, Gust W., Chicago, Ill. Extension table. 1,769,825; July 1.
- Clauss, George E., assignor to The Ansonia O & C Company, Ansonia, Conn. Elastic webbing. 1,747,051; Feb. 11.
- Clavel, René, Basel-Augst, Switzerland. Treatment of artificial silks. 1,761,707; June 3.
- Clavir, Harry. (See Miller, John W., assignor.)
- Clawson, Monroe S., Upper Montclair, N. J. Collapsible lamp shade. 1,759,093; May 20.

- Clay, Harry C., and C. L. Irwin, assignors to Reeves Pulley Company, Columbus, Ind. Veneer-cutter speed control. 1,759,438; May 20.
- Clay Products Company, Inc., of Indiana. (See McKenzie, Harold D., assignor.)
- Clay, Walter F., Texarkana, Tex. Tool. 1,787,358; Dec. 30.
- Claybourn, John G., and Foote, Pedro Miguel, Canal Zone. Deck trough. 1,770,840; July 15.
- Claybourn, Leslie W., and S. L. Sharpless, Milwaukee, Wis. Printing machinery. 1,746,523; Feb. 11.
- Claybourn Process Corporation. (See Kerley, Raymond A., assignor.)
- Claybourn Process Corporation. (See Sweet, Carl C., assignor.)
- Clayton, Albert S., Santa Ana, Calif. Animal carrier. 1,754,610; Apr. 15.
- Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,762,812; June 10.
- Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loooper-actuating mechanism for sewing machines. 1,784,512; Dec. 9.
- Clayton & Lambert Manufacturing Co. (See Blaske-witz, W., and Overly, assignors.)
- Clayton & Lambert Manufacturing Company. (See Blaske-witz, William, assignor.)
- Clayton & Lambert Manufacturing Co. (See Ironside, James, assignor.)
- Clayton & Lambert Manufacturing Company. (See Lam-bert, Charles F., assignor.)
- Clayton & Lambert Manufacturing Co. (See Northrop, E. W., and Ironside, assignors.)
- Clayton, Martin M., Beaver, Pa., assignor to National Metal Molding Company. Bar hanger for outlet boxes, etc. 1,754,849; Apr. 15.
- Clayton, Martin M., Baden, Pa., assignor to National Electric Products Corporation, New York, N. Y. Cable clamp. 1,776,652; Sept. 23.
- Clayton, Martin M., Baden, Pa., assignor, by mesne assignments, to National Electric Products Corporation. Fixture and outlet-box support. 1,777,291; Oct. 7.
- Clayton, Martin M., Baden, Pa., assignor to National Electric Products Corporation, New York, N. Y. Clamp for crossbars. 1,786,004; Dec. 23.
- Clayton, Ross H. (See Hill, I., and Clayton.)
- Clayton, Walter, Belmar, N. J. Animal trap. 1,769,770; July 1.
- Clayton, William F., Huntsville, assignor of one-sixth to W. E. James, Cullman, one-sixth to N. E. James, Birmingham, and one-third to R. E. Smith, Huntsville, Ala. Automatic thin-place preventer. 1,787,359; Dec. 30.
- Clayton, William H., Pine Bluff, Ark. Telephone trans-mitter. 1,748,441; Feb. 25.
- Clayton, W. Luther, et al. (See Birdsong, John W., as-signor.)
- Claytor, Edward M., Wilkinsburg, Pa., assignor to West-inghouse Electric & Manufacturing Company. Thermal relay. 1,765,305; June 17.
- Claytor, Edwin E., assignor to Petroleum Chemical Com-pany, Tulsa, Okla. Breaking petroleum emulsions. 1,773,517; Aug. 19.
- Claytor, Edwin E., New York, N. Y., assignor to C. P. Mackie, Newark, N. J. Mining apparatus. 1,776,889; Sept. 30.
- Clean-Be-Tween Tooth Brush Company. (See Myers Robert R., assignor.)
- Clearwater Lumber Company. (See Laursen, Bruno L., assignor.)
- Cleary, Andrew W., Rochester, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid-dispensing apparatus. 1,752,941; Apr. 1.
- Cleary, Edward T. (See Rutledge, A. E., and Cleary.)
- Cleary, Walter D., Brooklyn, assignor to The De Laval Separator Company, New York, N. Y. Recovering grease from garbage. 1,764,390; June 17.
- Cleaveland, Earl C., et al. (See Tune, Thomas P., as-signor.)
- Cleaver, William F., Montreal, Quebec, assignor to H. A. Peck, Montreal, Quebec, Canada. Track-signaling de-vice. 1,768,524; June 24.
- Clegg Lock Washer Corporation. (See Clegg, Roy E., as-signor.)
- Clegg, Roy E., assignor to Clegg Lock Washer Corporation, Chicago, Ill. Lock washer. 1,784,269; Dec. 9.
- Cleland, Melvin L., assignor to G. A. Roth Manufacturing Company, Hastings, Nebr. Luggage rack or support. 1,779,661; Oct. 28.
- Cleland, Melvin L., assignor to G. A. Roth Manufacturing Company, Hastings, Nebr. Rack for Ford automobiles. 1,779,662; Oct. 28.
- Cleland, Melvin L., assignor to G. A. Roth Manufacturing Company, Hastings, Nebr. Side awning. 1,781,495; Nov. 11.
- Clelland, William H., Huntington, W. Va. Sheet-glass-cutting machine. 1,766,427; June 24.
- Clemence, Elliott, New York, N. Y., assignor, by mesne assignments, to The Monowatt Electric Corporation, Bridgeport, Conn. Three-way current tap socket. 1,751,442; Mar. 18.
- Clemence, Walter S., Battle Creek, Mich. Child's chair. Dec. 81,271; June 8.
- Clemens, Fred, Indianapolis, Ind. Automatic course counter and stop. 1,780,909; Nov. 11.
- Clemens, John G., Eggertsville, N. Y., assignor to Pierce - Renewable Fuses, Inc., Buffalo, N. Y. Refillable fuse. 1,761,466; June 3.
- Clement, Charles G., assignor to Highway Trailer Company, Edgerton, Wis. Straight-frame trailer. 1,771,571; July 29.
- Clement, Charles G., assignor to Highway Trailer Company, Edgerton, Wis. Trailer construction. 1,771,572; July 29.
- Clement, Donald B., New York, N. Y., assignor to McKes-son & Robbins, Incorporated, Bridgeport, Conn. Wrap-ping paper. Des. 82,542; Nov. 18.
- Clement, Edgar B., and R. J. Thompson, Jackson, Mich. Windshield screen. 1,766,055; June 24.
- Clement, Edward E., assignor to E. F. Colladay, Wash-ington, D. C. Radiophone system. Re17,847; Oct. 28.
- Clement, Edward E., assignor to E. F. Colladay, Wash-ington, D. C. Wave transformation system of radio broadcast distribution. 1,748,279; Feb. 25.
- Clement, Edward E., assignor to E. F. Colladay, Washing-ton, D. C. Radiophone desk set. 1,754,875; Apr. 15.
- Clement, Edward E., assignor to E. F. Colladay, Washing-ton, D. C. Regional system of radio broadcast distribu-tion. 1,754,876; Apr. 15.
- Clement, Edward E., assignor to E. F. Colladay, Washing-ton, D. C. Radio telephone system. 1,754,877; Apr. 15.
- Clement, Edward E., assignor to E. F. Colladay, Washing-ton, D. C. Traffic-control system for radio broadcast dis-tribution. 1,754,878; Apr. 15.
- Clement, Edward E., assignor to E. F. Colladay, Washing-ton, D. C. Trunking system of radio distribution. 1,754,879; Apr. 15.
- Clement, Edward E., assignor to E. F. Colladay, Washing-ton, D. C. Radio desk set. 1,754,880; Apr. 15.
- Clement, Edward E., assignor to E. F. Colladay, Washing-ton D. C. Radio trunk system. 1,754,881; Apr. 15.
- Clement, Edward E., assignor to E. F. Colladay, Washing-ton, D. C. Polyphase broadcast distribution. 1,754,882; Apr. 15.
- Clement, Edward E., assignor to E. F. Colladay, Washing-ton, D. C. Radio broadcast distributing system. 1,755,980; Apr. 22.
- Clement, Edward E., assignor to E. F. Colladay, Wash-ington, D. C. Radio relay distributing system. 1,777,690; Oct. 7.
- Clement, Fred W. (See Arndt, W. E., and Clement.)
- Clement, Hans, New York, N. Y., assignor to General Op-tical Company, Inc. Optical-testing apparatus and method. 1,775,987; Sept. 16.
- Clement, Hurley F., Long Beach, assignor, by mesne as-signments, of one-half to J. Grant, Los Angeles, Calif. Underreamer. 1,746,694; Feb. 11.
- Clement, James E., New Baltimore, Mich. Woodworker's tool. 1,756,851; Apr. 29.
- Clement, Lewis M., Mountain Lakes, N. J., assignor to F. A. D. Andrea, Inc., New York, N. Y. Loud-speaker. 1,745,405; Feb. 4.
- Clement, Lewis M., Mountain Lakes, N. J., assignor to F. A. D. Andrea, Inc., New York, N. Y. Sound-reproduc-ing device. 1,762,090; June 3.
- Clement, Walter J., assignor to The Bossert Corporation, Utica, N. Y. Method of and mechanism for grinding and separating materials. 1,755,573; Apr. 22.
- Clements, Albert F., assignor to Waite Carpet Company, Oshkosh, Wis. Stranding machine. 1,757,653; May 6.
- Clements, Eugene E., assignor to The L. Candee and Com-pany, New Haven, Conn. Pressing machine. 1,756,452; Apr. 29.
- Clements, Melville F., and N. F. Helmers, St. Paul, Minn. Constructing subaqueous foundations. 1,764,779; June 17.
- Clements, Wellington I., Norfolk, Va. Glare shield, draft regulator, and anti-rattler for automobiles. 1,775,486; Sept. 9.
- Clemetsen Company, The. (See Vaaler, Jens, assignor.)
- Clemmans, Edmund H., et al, executors. (See Griffiths, J. P., and Street-Wilson.)
- Clemmons, Herbert D., Sturgis, Mich., assignor to Scovill Manufacturing Company, Waterbury, Conn. Flush-valve-operating mechanism. 1,771,247; July 22.
- Clemons, Harry K., St. Paul, Minn. Excavating, loading, and dumping device. 1,777,164; Sept. 30.
- Clemons, Harry K., St. Paul, Minn. Excavating, elevat-ing, and loading machine. 1,783,462; Dec. 2.
- Clench, Claude, Dumfries, Scotland. Balancing of crank shafts. 1,783,073; Nov. 25.
- Clench, Claude, and W. Smith, Wembley, England. Remote liquid-level indicator. 1,746,105; Feb. 4.
- Clendon, George W., Piermont, N. Y., assignor to Inter-national Combustion Engineering Corporation. Finely-divided-fuel-burning locomotive. 1,781,319; Nov. 11.
- Clerc, Reinhard. (See Jordan, H., Schoeller, and Clerc.)
- Clerc, Reinhard. (See Schoeller, W., Jordan, and Clerc.)
- Clergue, Francis H., Montreal, Quebec, Canada. Mooring for airships. 1,751,543; Mar. 25.
- Clerkx van Keulen, Godefridus H., assignor to De Ba-taafsche Petroleum Maatschappij, The Hague, Nether-lands. Trip casing spear. 1,753,074; Apr. 1.
- Cleveland Automatic Machine Company, The. (See Brophy, John P., assignor.)
- Cleveland Brass Manufacturing Company, The. (See Cos-tello, Joseph A., assignor.)
- Cleveland, Charles F. (See Miller, C. G., and Cleveland.)
- Cleveland Clinic Foundation, The. (See Seitz, Valentine, assignor.)

- Cleveland Crane & Engineering Company, The. (See Bennington, Earl T., assignor.)
- Cleveland Crane & Engineering Company, The. (See Elliott, Harmon P., assignor.)
- Cleveland Crane & Engineering Company, The. (See Wehr, William G., assignor.)
- Cleveland Door Check & Manufacturing Company, The. (See Mitchell, Courtney N., assignor.)
- Cleveland Folding Machine Company, The. (See Hitchcock, Reuben, assignor.)
- Cleveland Folding Machine Company, The. (See Olson, A., and Holms, assignors.)
- Cleveland Folding Machine Company, The. (See Olson, A., and Tufts, assignors.)
- Cleveland Folding Machine Company, The. (See Palmer, Ernest E., assignor.)
- Cleveland Folding Machine Company, The. (See Tufts, L. R., and Olson, assignors.)
- Cleveland Gas Burner & Appliance Company, The. (See Kerr, Harry E., assignor.)
- Cleveland Graphite Bronze Company, The. (See Hopkins, B. F., and Palm, assignors.)
- Cleveland Graphite Bronze Company, The. (See Korrush, Edward P., assignor.)
- Cleveland Graphite Bronze Company. (See Klocke, William H., assignor.)
- Cleveland Graphite Bronze Company, The. (See Palm, John V. O., assignor.)
- Cleveland Graphite Bronze Company, The. (See Palm, J. V. O., and Knuth, assignors.)
- Cleveland Heater Company, The. (See Doen, Loren F., assignor.)
- Cleveland Heater Company, The. (See Smith, J. A., and Hansen, assignors.)
- Cleveland Planer Company, The. (See Jenne, Jacob, assignor.)
- Cleveland Planer Company, The. (See Mesker, L. H., and Jenne, assignors.)
- Cleveland Pneumatic Tool Company, The. (See Greve, Louis W., assignor.)
- Cleveland Pneumatic Tool Company, The. (See Greve, J. J., and Beecher, assignors.)
- Cleveland Pneumatic Tool Company, The. (See McElroy, John F., assignor.)
- Cleveland Pneumatic Tool Company, The. (See Scott, Arthur, assignor.)
- Cleveland Pneumatic Tool Company, The. (See Wallace, John F., assignor.)
- Cleveland Punch & Shear Works Company, The. (See Dobson, John E., assignor.)
- Cleveland Punch & Shear Works Company, The. (See Pardee, Robert J., assignor.)
- Cleveland, Ralph E. (See Nickl, E. F., and Cleveland.)
- Cleveland Rock Drill Company, The. (See Greve, Louis W., assignor.)
- Cleveland Rock Drill Company, The. (See Renfer, John E., assignor.)
- Cleveland Rock Drill Company, The. (See Richardson, Led L., assignor.)
- Cleveland Rock Drill Company, The. (See Smdel, Joseph, assignor.)
- Cleveland Shock Absorber Company, The. (See Mallory, Bonnie L., assignor.)
- Cleveland, Sim, jr., Macon, Ga. Fire shovel. 1,762,912; June 10.
- Cleveland Steel Products Corporation, The. (See Smith, W. J., and Braun, assignors.)
- Cleveland Switchboard Company, The. (See Hafemeister, Fred F., assignor.)
- Cleveland Trust Company, The. (See Kent, Frank J., assignor.)
- Cleveland Trust Company, The. (See King, Lucian L., assignor.)
- Cleveland Trust Company, The. (See McCoy, William C., assignor.)
- Cleveland Trust Company, The. (See McKechnie, Robert R., assignor.)
- Cleveland Trust Company, The. (See Reiter, Ralph H., assignor.)
- Cleveland Trust Company, The. (See Sawyer, Charles B., assignor.)
- Cleveland Trust Company, The. (See Welty, George D., assignor.)
- Cleveland Trust Company, The, trustee. (See Jardine, Frank, assignor.)
- Cleveland Trust Company, The, trustee. (See Jehle, F., and Jardine, assignors.)
- Cleveland Twist Drill Company, The. (See Fabel, Donald C., assignor.)
- Cleveland Welding Company, The. (See Kranz, Harry W., assignor.)
- Cleveland Welding Company, The. (See Kranz, H. W., and Fenzel, assignors.)
- Cleveland Welding Company, The. (See Mueller, Homer L., assignor.)
- Clevenger, Herman, Monroe Township, Delaware County, Ind. Milk-cooling device. 1,756,536; Apr. 29.
- Cliff, Kate W., Montreal, Quebec, Canada. Portable ironing board. 1,776,995; Sept. 30.
- Cliff, William H., assignor to Terre Haute Boiler Works Company, Terre Haute, Ind. Connection for boiler sections. 1,771,874; July 29.
- Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age retarder. 1,763,579; June 10.
- Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age resister. 1,779,390; Oct. 21.
- Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age resister. 1,785,692; Dec. 16.
- Clifford, Charles C., Coleraine, Minn. Lifeboat. 1,752,063; Mar. 25.
- Clifford Corporation, The. (See Clifford, Walter B., assignor.)
- Clifford, Hobbs E., Knightstown, Ind. Air-mail exchange. 1,760,684; May 27.
- Clifford, John W., assignor to The Goodyear's Metallic Rubber Shoe Company, Naugatuck, Conn. Rubber footwear. 1,771,746; July 29.
- Clifford, Patrick J., Falls, assignor of one-half to J. G. Hufnagel, Scranton, Pa. Safety device for railroad crossings. 1,774,787; Sept. 2.
- Clifford, Walter B., Framingham, assignor to The Clifford Corporation, Boston, Mass. Oil rectifier for internal-combustion motors. 1,746,637; Feb. 11.
- Clifton, Francis R., Omaha, Nebr. Folding awning frame. 1,742,234; Jan. 7.
- Climalene Company, The. (See Schoen, Otto A., assignor.)
- Climax Engineering Company. (See Wishart, William, assignor.)
- Climax Stationery Company. (See Foulks, James E., assignor.)
- Cline, Earl E. (See Holmes, E. W., and Cline.)
- Cline, Harry P., Philadelphia, Pa., I. Scheinberg and J. G. Watson, assignors to Silverglow Lamps, Inc., Baltimore, Md. Table reflector. 1,762,469; June 10.
- Cline, McGarvey, Jacksonville, assignor to Wood Process Company, Inc., Eastport, Fla. Apparatus for subjecting materials to the action of indirect heat. 1,763,758; June 17.
- Clingenstein, Heinrich. (See Grimmel, H., and Clingenstein.)
- Clingenstein, Heinrich, Cologne, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dye-stuff. 1,747,539; Feb. 18.
- Clingenstein, Heinrich, Cologne-on-the-Rhine, Germany, and H. W. Grimmel, assignors to General Aniline Works, Inc., New York, N. Y. Primary disazo dye derived from diamino carbazoles and arylides of unsulphonated hydroxy carboxylic acid. 1,751,683; Mar. 25.
- Clinton, Harry D., Johnson City, N. Y. Tension device. 1,762,049; June 3.
- Clinton, Harry D., Johnson City, N. Y. Spool. 1,769,416; July 1.
- Cliquot Club Company. (See Bromiley, Irving, assignor.)
- Clisson, Albert B., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Workholder for pressing machines. 1,742,692; Jan. 7.
- Clizbe, Floyd O., Chicago, Ill. Electromagnetic brake. 1,783,280; Dec. 2.
- Clodfelter, George M., Yonkers, assignor to The Rail Joint Company, New York, N. Y. Temporary rail joint shim. 1,781,438; Nov. 11.
- Cloetens, Georges, Brussels, Belgium. Musical instrument. 1,750,572; Mar. 11.
- Clokey, Allison A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronous telegraphy. 1,742,899; Jan. 7.
- Clokey, Allison A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Constant-speed drive. 1,753,331; Apr. 8.
- Clokey, Allison A., Rutherford, N. J., assignor to International Standard Electric Corporation. Telegraph system. 1,779,462; Oct. 28.
- Cloran, Henry, Ambleside, England. Eyeshield or guard for use in connection with spectacles, eyeglasses, goggles, or the like. 1,752,233; Mar. 25.
- Closure Service Company, The. (See Carvalho, Leslie R. N., assignor.)
- Cloud, Carl W., Baker, Oreg. Barber's-mirror device. 1,778,585; Oct. 14.
- Cloud, Preston E., Waynesboro, Pa. Windshield wiper. 1,774,356; Aug. 26.
- Cloud, Raymond T., assignor to Orchestrphone Company, Chicago, Ill. Switching relay system. 1,751,978; Mar. 25.
- Cloud, Raymond T., assignor to Orchestrphone Company, Chicago, Ill. Acoustical device. 1,767,277; June 24.
- Cloud, Walter A., Chiswick, London, England. Grinding, pulverizing, or disintegrating mill. 1,752,888; Apr. 1.
- Cloud, Wilbur D., New York, assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,785,693; Dec. 16.
- Clough, Aaron G., Avers Cliff, Quebec, Canada. Vacuum container. 1,768,571; July 1.
- Clough, Eugene T., Oklahoma City, Okla. Sash jack. 1,748,207; Feb. 25.
- Clough, Frederick H., Kilsby, and H. W. Taylor, Rugby, England, assignors to General Electric Company. Electrical regulator. 1,775,514; Sept. 9.
- Clough, Newsome H., Hanwell, London, England, assignor to Radio Corporation of America. Transformer, choke coil, and core therefor. 1,779,269; Oct. 21.
- Clough, Roscoe E., Palo Alto, assignor to Castrolube Refining Co., San Francisco, Calif. Engine lubricant and process of making. 1,782,501; Nov. 25.

- Clouse, Walter N., assignor of one-half to C. A. Lull, Tiffin, Ohio. Spark-plug-testing device. 1,749,664; Mar. 4.
- Clouse, William L., assignor to The National Machinery Co., Tiffin, Ohio. Feed for bolt-trimming machines. 1,759,890; May 27.
- Clouse, William L., assignor to The National Machinery Co., Tiffin, Ohio. Bolt-trimming machine. 1,763,759; June 17.
- Clouse, William L., assignor to The National Machinery Co., Tiffin, Ohio. Header. 1,766,484; June 24.
- Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)
- Clover, John R., Enid, Okla. Towel cabinet. 1,749,628; Mar. 4.
- Clover, John R., Enid, Okla. Cylinder washing machine. 1,781,217; Nov. 11.
- Clover Leaf Manufacturing Co. (See Bennett, Walter E., assignor.)
- Clow, James B., & Sons. (See Carnahan, Glen C., assignor.)
- Clow, James B., & Sons. (See Clow, K. S., and Byers, assignors.)
- Clow, James B., & Sons. (See Wernle, Karl A., assignor.)
- Clow, Kent S., Lake Forest, and J. A. Byers, Evanston, assignors to James B. Clow & Sons, Chicago, Ill. Trip-lever bath waste mechanism. 1,744,105; Jan. 21.
- Cluchey, George L. (See Cluchey, Julius G. and G. L.)
- Cluchey, Julius G. and G. L., Flint, Mich. Condenser for automobile radiators. 1,759,778; May 20.
- Cluett, Peabody & Co. (See Kennedy, R. O., and Madsen, assignors.)
- Cluff, Rohan, Nogales, Ariz. Projecting apparatus. 1,782,288; Nov. 18.
- Cluff, William R., New York, N. Y. Table cover. Des. 81,775; Aug. 12.
- Clum Manufacturing Company. (See Fiedler, Edward F., assignor.)
- Clum Manufacturing Company. (See Winning, Robert K., assignor.)
- Clurman, Will N., Long Beach, N. Y. Circuit maker and breaker. 1,752,149; Mar. 25.
- Cluss, Otto E. (See Hoffman, F. D., and Cluss.)
- Clutter, Bird C., and G. E. Wagner, Akron, Ohio, assignors by mesne assignments, to Clutter-Wagner, Inc. Full-revolving excavator. 1,765,967; June 24.
- Clutter, Le Roy P. (See Wagner, G. E., and Clutter.)
- Clutter, Le Roy P., Deer Lick, Pa., assignor, by mesne assignments, to Clutter-Wagner, Inc. Excavator. 1,765,905; June 24.
- Clutterbuck, William H., Salford, England. Preventing the settling out of paste dyestuffs. 1,758,145; May 13.
- Clutter-Wagner, Inc. (See Clutter, B. C., and Wagner, assignors.)
- Clutter-Wagner, Inc. (See Clutter, Le Roy P., assignor.)
- Clutter-Wagner, Inc. (See Wagner, George E., assignor.)
- Clutter-Wagner, Inc. (See Wagner, G. E., and Clutter, assignors.)
- Clyde Iron Works. (See Huber, Norman, assignor.)
- Clyde Iron Works. (See McGiffert, John R., assignor.)
- Clyman, Max, Philadelphia, Pa. Cover for baby carriages. 1,770,841; July 15.
- Clyne, Cecil B., Beverly Hills, assignor to International Precipitation Company, Los Angeles, Calif. Collecting electrode for electrical precipitators. 1,773,951; Aug. 26.
- Clyne Engineering Company. (See Clyne, Robert G., assignor.)
- Clyne, Robert G., deceased; Mercantile-Commerce Bank and Trust Company of St. Louis, administrator, assignor to Clyne Engineering Company, St. Louis, Mo. Pocket check protector. 1,754,611; Apr. 15.
- Coady, Bartine J., Norwood, Pa. Laundry apparatus. 1,757,702; May 6.
- Coady, John C., Medford Hillside, Mass. Shaving brush. 1,769,206; July 1.
- Coahran, Jesse M., Colegrove, Pa. Removing methanol from pyroigneous acid liquor. 1,784,270; Dec. 9.
- Coal and Oil Products Corporation. (See Schwarz, Alfred, assignor.)
- Coal Oil Extractio Limited, Manufacturers. (See McEwen, Samuel, assignor.)
- Coal Process Corporation. (See Wisner, Clarence B., assignor.)
- Coash, Nelson J. (See Johnston, F. E., and Coash.)
- Coast, John W., jr., Tulsa, and G. T. Granger, Okmulgee, Okla. Method of and apparatus for treating hydrocarbon oils. 1,786,053; Dec. 23.
- Coast to Coast Amusement Association. (See Salter, James W., and J. A., assignors.)
- Coates, Frank, Cleadon, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric coupling. 1,786,600; Dec. 30.
- Coates, James H., R. S. Howe, and W. F. Costello, assignors to The New Britain Machine Company, New Britain, Conn. Stool. 1,785,768; Dec. 23.
- Coates, John W., Detroit, Mich. Truck. 1,766,104; June 24.
- Coates, Ray G., Pasadena, Calif. Steering gear. 1,774,634; Sept. 2.
- Coates, Sydney N., Seattle, Wash. Down-draft heater. 1,748,208; Feb. 25.
- Coates, Wallace R., et al. (See Steele, Carmi J., assignor.)
- Coates, William A., Hale, and J. Fowler, Leeds, England, assignors to Westinghouse Electric and Manufacturing Company. Tap charger for electric transformers. 1,763,133; June 10.
- Coats, Allan, Paisley, Scotland. Rotary mechanism for the transmission of power. 1,760,397; May 27.
- Coats, Allan, Paisley, Scotland. Rotary power-transmission mechanism. 1,760,480; May 27.
- Coats, George A., assignor to Good Roads Equipment Corporation, Philadelphia, Pa. Pavement-heater flue. 1,770,024; July 8.
- Coats, Henry B. (See Holmes, A. W., Jaques, and Coats.)
- Coats, Henry B., Veedersburg, Ind. Vacuum tank. 1,770,460; July 15.
- Cobb, Carolus M., Lynn, Mass. Powder distributor. 1,776,489; Sept. 23.
- Cobb, Charles A. (See Weaver, E. D., and Cobb.)
- Cobb Connector Company. (See Hermann, Edward O., assignor.)
- Cobb, J. Forrest, Portland, Oreg., assignor to Moore Dry Kiln Company. Drying kiln. 1,754,351; Apr. 15.
- Cobb, J. Forrest, Portland, Oreg., assignor to Moore Dry Kiln Company. Apparatus for kiln-drying lumber and other substances. 1,778,586; Oct. 14.
- Cobb, Lester E., Norway, Me. Cutter-carrying head for multiple lathes. 1,776,180; Sept. 16.
- Cobb, Pope, and A. S. Rose, Brownsville, Tenn. Pressure-exerting attachment for lawn-mower rollers. 1,754,741; Apr. 15.
- Cobb, Robert R., Hodges, S. C. Air-valve safety device. 1,743,758; Jan. 14.
- Cobb, Willard H., Brooklyn, N. Y., assignor to The Shoe Hardware Company, Waterbury, Conn. Fastening device. 1,761,385; June 3.
- Cobbs, William N., Pittsburgh, Pa. Locomotive headlight. 1,780,865; Nov. 4.
- Cobel, John H., Lincoln, Nebr. Weather strip. 1,745,245; Jan. 28.
- Cobel, Ray C., assignor to A. H. Heisey & Company, Newark, Ohio. Apparatus for making articles of glassware. 1,774,871; Sept. 2.
- Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Auxiliary-jet cutting tip for cutting torches. 1,751,191; Mar. 18.
- Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Cutting slots in metal. 1,784,513; Dec. 9.
- Coberly, Clarence J., assignor to Kobe, Incorporated, Los Angeles, Calif. Producing taper-slotted pipe. 1,785,071; Dec. 16.
- Cobham, Alan, Aviation Limited. (See Cobham, Alan J., assignor.)
- Cobham, Alan J., assignor to Alan Cobham Aviation Limited, London, England. Floating station for aircraft. 1,773,029; Aug. 12.
- Coblens, George E. (See Morris, Albert W., assignor.)
- Cobourn, Delbert F., Portsmouth, Ohio, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling railway switches. 1,754,742; Apr. 15.
- Coburn, Frederick W., assignor to E. and G. Brooke Iron Company, Birdsboro, Pa. Pig mold. 1,745,475; Feb. 4.
- Coburn, James M., Kansas City, Mo., assignor to Plane-Speaker Corporation, New York, N. Y. Aeroplane-phonograph reproducer. 1,786,982; Dec. 30.
- Coburn, William H., and C. Kiernan, assignors of one-third to E. H. Gilbert, Morgantown, W. Va. Pump truck. 1,759,252; May 20.
- Coby, George, Cranston, R. I., assignor to Tripem Manufacturing Co., Inc., Providence, R. I. Pencil. Des. 81,435; June 24.
- Coca-Cola Company, The. (See Staton, John C., assignor.)
- Cochard, Louis, Napa, Calif. Lifeboat. 1,784,819; Dec. 16.
- Cochin, John D., San Francisco, Calif. Valve for lifting devices. 1,764,004; June 17.
- Cochin, John D., San Francisco, Calif. Control valve for lifting devices. 1,764,005; June 17.
- Cochin, Solomon. (See Schneyer, M. D., and Cochin.)
- Cochran, Albert W., and H. W. Dewey, Portland, Oreg. Combined matrix former and drier. 1,754,460; Apr. 15.
- Cochran, Albert W., and H. W. Dewey, Portland, Oreg. Treating dry stereotype matrices. 1,758,248; May 13.
- Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. System and apparatus for handling freight. 1,764,780; June 17.
- Cochran, Paul B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,764,434; June 17.
- Cochran, Paul B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Drying varnish films. 1,786,824; Dec. 30.
- Cochran, Rae E., assignor to The D. L. Auld Company, Columbus, Ohio. Hub cap. 1,755,427; Apr. 22.
- Cochran, Ralf S., assignor to The Surface Combustion Co., Incorporated, Toledo, Ohio. Furnace and conveyer therefor. 1,784,812; Dec. 16.
- Cochran, Royal A., Atkins, La. Culinary utensil. 1,754,979; Apr. 15.
- Cochrane Corporation. (See Dahl-Rode, Svein, assignor.)
- Cochrane, Donald. (See Garbut, A. E., Cochrane, and Watkins.)
- Cochrane, James W. (See Havelock, E. W., and Cochrane.)
- Cochrane, Louise M., et al. (See Havelock, E. W., and Cochrane, assignors.)

- Cochrane, Walter S., assignor to Chrysler Corporation, Detroit, Mich. Internal-combustion engine. 1,751,443; Mar. 18.
- Cochrane, Wilbur A., Sea Cliff, N. Y. Acetylene lamp. 1,745,406; Feb. 4.
- Cockburn, Francis B., and H. J. Breitenbach, assignors to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Lathe bed. 1,777,603; Oct. 7.
- Cocker, George B., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Apparatus to prepare yarns for weaving. 1,768,746; July 1.
- Cocker Machine and Foundry Company. (See Cocker, George B., assignor.)
- Cocks, Edgar, assignor to Los Angeles Wall Bed Company, Los Angeles, Calif. Portable folding bed. 1,781,439; Nov. 11.
- Cocks, Harry J., assignor of one-half to N. C. Barnes, Des Moines, Iowa. Dispensing apparatus. 1,751,128; Mar. 18.
- Cocks, Harry J., assignor of one-half to N. C. Barnes, Des Moines, Iowa. Dispenser. 1,751,129; Mar. 18.
- Cocozella, Anthony, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,747,577; Feb. 18.
- Coda Appliance Co. (See Cornetta, Henry C., assignor.)
- Coda Appliance Co. Inc. (See Cornetta, Henry C., assignor.)
- Coddington, E. D., Manufacturing Company. (See Coddington, E. D., Kerler, Black, and Owen, assignors.)
- Coddington, Edwin D., North Milwaukee, Wis. Reinforced building fabric. 1,750,877; Mar. 18.
- Coddington, Edwin D., Milwaukee, E. A. Kerler, West Allis, Wis., R. R. Black, Pittsfield, Mass., and H. S. Owen, Milwaukee, assignors to E. D. Coddington Manufacturing Company, North Milwaukee, Wis. Cedar plaster. 1,752,232; Mar. 25.
- Coddington, Harry W., and H. F. Cuning, Roanoke, Va. Journal-box lubricator. 1,757,619; May 6.
- Coddington, Vantyle W., assignor to Lakeside Bridge & Steel Co., North Milwaukee, Wis. Truck body. 1,763,342; June 10.
- Coder, Harry S., Bridgeton, N. J. Grade-crossing safety equipment. 1,765,906; June 24.
- Codish, George. (See Widder, C. A., and Codish.)
- Codwise, Philip W., Kenmore, N. Y., assignor to Certain-teed Products Corporation, New York, N. Y. Laminated wall board. 1,780,743; Nov. 4.
- Cody, Cully C., Tremont, Miss. Agricultural implement. 1,747,052; Feb. 11.
- Cody, Martin M., Chicago, Ill., assignor to Crane Packing Company. Gasket. 1,786,390; Dec. 23.
- Coe, Benjamin S., and E. J. Ashlev, assignors to The Steele & Johnson Mfg. Co., Waterbury, Conn. Dish-washer. 1,745,323; Jan. 28.
- Coe, Daniel W., Montreal, Quebec, Canada. Grab bucket. 1,761,778; June 3.
- Coe, Daniel W., and C. E. Thompson, Montreal, Quebec, Canada. Unloading device. 1,749,935; Mar. 11.
- Coe, James C. (See Kositzky, James C.)
- Coe, James R., Waterbury, assignor to The American Brass Company, Waterbury, Conn. Barrel-handling apparatus. 1,750,878; Mar. 18.
- Coe, James R., Waterbury, assignor to The American Brass Company, New Haven, Conn. Trunnion for barrels or other articles. 1,758,824; May 13.
- Coe, James R., assignor to The American Brass Company, Waterbury, Conn. Hook for scrap barrels or other articles. 1,766,507; June 24.
- Coe, James R., assignor to The American Brass Company, Waterbury, Conn. Barrel. 1,767,051; June 24.
- Coe, James R., assignor to The American Brass Company, Waterbury, Conn. Metal carrier. 1,773,518; Aug. 19.
- Coe, James R., assignor to The American Brass Company, Waterbury, Conn. Carrier. 1,777,394; Oct. 7.
- Coe, John E., Lakewood, N. Y. Tool box. 1,779,159; Oct. 21.
- Coe Manufacturing Company, The. (See Robinson, Thomas, assignor.)
- Coe Manufacturing Company, The. (See Vance, Arthur J., assignor.)
- Coe, Robert W., and M. M. Bacon, Tampa, Fla. Railway-car-runway construction. 1,755,241; Apr. 22.
- Coenen, Jacob, Altona-Othmarschen, Germany. Container for gramophone disk records. 1,775,018; Sept. 2.
- Coerper, Hans, Staten Island, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler furnace. 1,781,269; Nov. 11.
- Coffee, Bassett M., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Power transmission. 1,751,576; Mar. 25.
- Coffee, John M., Gainesville, Ga. Latching means for the covers of laundry apparatus. 1,765,207; June 17.
- Coffey, Barton H., Elizabeth, N. J., assignor to The Cooling Tower Co. Inc., New York, N. Y. Cooling tower. 1,747,288; Feb. 18.
- Coffey, Barton H., Elizabeth, N. J. Refrigeration. 1,758,501; May 13.
- Coffey, Barton H., Elizabeth, N. J. Refrigeration. 1,765,656; June 24.
- Coffey, Barton H., Elizabeth, N. J. Refrigeration. 1,765,657; June 24.
- Coffey, Barton H., Elizabeth, N. J., assignor to The Cooling Tower Co. Inc., New York, N. Y. Device for cooling water. 1,762,762; June 10.
- Coffey, Irvn E., Hastings, Nebr. Gear-shifting mechanism. 1,781,270; Nov. 11.
- Coffey, John B., Nashville, Tenn., assignor to Bunte Brothers, Chicago, Ill. Shaping machine for candy canes and the like. 1,762,327; June 10.
- Coffey, John J., and C. G. Nordstrom, Bethlehem, Pa., assignors to Bethlehem Steel Company. Gearing. 1,777,292; Oct. 7.
- Coffey, Newton W., El Paso, Tex. Automobile signal. 1,749,936; Mar. 11.
- Coffey, Oscar L., assignor to Whiting Corporation, Harvey, Ill. Cupola bucket. 1,765,348; June 17.
- Coffey, Oscar L., assignor to Whiting Corporation, Harvey, Ill. Turntable for vehicles. 1,772,858; Aug. 12.
- Coffey, Walter B., and J. D. Humber, San Francisco, Calif. Therapeutic substance and preparing the same. 1,771,976; July 29.
- Coffield, James L., Dayton, Ohio. Washing machine. 1,758,354; May 13.
- Coffield Washer Company of Canada Limited, The. (See Kamp, C. T., and Ryckman, assignors.)
- Coffield, Willard M., and T. C. Moore, Little Rock, Ark. Clarifier. 1,766,883; June 24.
- Coffin, Grange S., Charlestown, assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Safety valve. 1,743,430; Jan. 14.
- Coffin, Herbert B., Roselle Park, N. J., assignor to Standard Oil Development Company. Tube closure or header. 1,758,909; May 13.
- Coffin, Joel S., jr. (See Schellens, E. L., and Coffin.)
- Coffin Valve Company. (See Belcher, Donald M., assignor.)
- Coffing, Floyd L., and O. A. Medley, Attica, Ind. Coin controlled switching mechanism. 1,779,086; Oct. 21.
- Coffing, Frederick W., Perrysville, Ind. Portable guy clamp. 1,769,332; July 1.
- Coffing, Frederick W., Perrysville, Ind. Portable guy clamp. 1,769,333; July 1.
- Coffman, John A., Sedgwick, Kan. Necktie. Des. 81,322; June 10.
- Coffman, Robert B., New Alexandria, Pa. Hoisting device. 1,755,574; Apr. 22.
- Coffman, Robert B., New Alexandria, Pa. Drag scoop. 1,760,116; May 27.
- Coffman, Roscoe A., Pittsburgh, Pa. Starter. 1,776,228; Sept. 16.
- Coffman, Russell, administrator. (See Beasley, Albeon.)
- Coffman, S. M., et al. (See Reed, Andrew H., assignor.)
- Cofrin, Austin E., Green Bay, Wis. Paper-making machine. 1,748,062; Feb. 25.
- Cofrin, Austin E., Green Bay, Wis. Napkin dispenser. 1,768,118; June 24.
- Coggeshall, George W., and A. Reilly, assignors to The Jefferson Construction and Oil Treating Company, Washington, D. C. Separating oily emulsions. 1,742,648; Jan. 7.
- Coggins, J. H., et al. (See Welsh, Ralph B., assignor.)
- Coggins, Thomas H., and A. Farrington, Aston, Birmingham, England. Propeller of motor-driven canal and other boats, river barges, and the like. 1,780,552; Nov. 4.
- Coghlin, James T., Mishawaka, Ind., assignor to Dodge Manufacturing Corporation. Belt-conveyer roll with lubrication system. 1,767,743; June 24.
- Coghlan, Thomas G., Elizabeth, N. J. Special tile for drip ledge. 1,753,332; Apr. 8.
- Coghlan, Thomas G., Elizabeth, and E. A. Johnsen, Mountain Lakes, N. J. Furnace and operating the same. 1,753,363; Apr. 8.
- Coghlan, Thomas M., Kankakee, Ill. Valance for mattresses, cushions, pads, and the like. 1,742,693; Jan. 7.
- Cogito, Joseph, and B. Ingrassia, Cleveland, Ohio. Ship-lap joint. 1,758,886; May 13.
- Cogshall, Wilbur A., Bloomington, Ind. Device for determining solar altitudes. 1,770,461; July 15.
- Cogswell, Leander A., assignor to Lacene Manufacturing Company, Manchester, N. H. Grading, fleshing, and evening machine. 1,743,320; Jan. 14.
- Cogswell, Leander A., assignor to Lacene Manufacturing Company, Manchester, N. H. Grading, fleshing, and evening machine. 1,743,321; Jan. 14.
- Cogswell, Mark E., Wolsey, S. Dak. Windshield wiper. 1,748,755; Feb. 25.
- Cohan, William M., and M. N. Patzan, Brooklyn, N. Y. Cushioned heel for shoes. 1,780,997; Nov. 11.
- Cohee, Jesse C., Kent, Wash. Spark-retarding mechanism. 1,771,617; July 29.
- Cohen, Abe. (See Pope, G. L., and Cohen.)
- Cohen, Henry, New York, N. Y. Cigarette-holding garter. 1,766,604; June 24.
- Cohen, Isreal, Philadelphia, Pa. Method of and apparatus for steaming and refinishing cloth. 1,749,564; Mar. 4.
- Cohen, Jacob, Middle Village, N. Y. Garter. 1,765,965; June 24.
- Cohen, Joseph E., assignor to Sentry Safety Control Corporation, Philadelphia, Pa. Safety device for motion-picture-projecting machine. 1,763,922; June 17.
- Cohen, Joseph H., Bridgeport, Conn. Heater. 1,754,669; Apr. 15.
- Cohen, Joseph H., Bridgeport, Conn. Electrical device and the manufacture thereof. 1,763,343; June 10.
- Cohen, Joseph H., Bridgeport, Conn. Switch for cable-carrying drums. 1,763,953; June 17.
- Cohen, Joseph H., Bridgeport, Conn. Electrical switch. 1,784,820; Dec. 16.
- Cohen, Louis, Washington, D. C. Electric signaling. 1,785,297; Dec. 16.

- Cohen, Louis, Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Electrical signaling. 1,743,025; Jan. 7.
- Cohen, Louis, Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Radio receiving system. 1,753,308; Apr. 8.
- 1,766,485; June 27.
- Cohen, Moses, New York, N. Y. Suspender back. Cohen, Norman L., et al. (See Rubens, Ben, assignor.)
- Cohen, Samuel, Brooklyn, N. Y. Radiofrequency amplifying system. 1,742,694; Jan. 7.
- Cohen, Samuel, Brooklyn, N. Y. Amplification system. 1,759,094; May 20.
- Cohen, Samuel, Detroit, Mich. Trailer. 1,744,527; Jan. 21.
- Cohen, Samuel, Detroit, Mich. Trailer. 1,771,206; July 22.
- Cohn, Alfred, Berlin, Germany, assignor to General Electric Company. Electroresponsive device. 1,760,542; May 27.
- Cohn, Alfred, Charlottenburg, and A. Kummel, Wilmersdorf, Germany, assignors to General Electric Company. Switch contact finger. 1,751,444; Mar. 18.
- Cohn, Edward, Brooklyn, N. Y. Reinforced safety tool handle. 1,764,677; July 17.
- Cohn, Ernest, Indianapolis, Ind., assignor to Turner Glass Corporation, Terre Haute, Ind. Jar or similar container. Des. 81,627; July 22.
- Cohn, Henny, Charlottenburg, near Berlin, assignor to the firm Dr. Erich F. Huth Ges. m. b. H., Berlin, Germany. Electric valve. 1,775,588; Sept. 9.
- Cohn, Henry. (See Kruse, Ferdinand, assignor.)
- Cohn, Leo, Los Angeles, Calif. Watchcase. Des. 81,830; Aug. 19.
- Cohn, Leo, Los Angeles, Calif. Bracelet. Des. 82,371; Oct. 28.
- Cohn, Moses L., Brooklyn, N. Y. Bedspring. 1,768,189; June 24.
- Cohn & Rosenberger, Inc. (See Daur, Ernest I., assignor.)
- Cohn & Rosenberger, Inc. (See Marcher, Royal, assignor.)
- Cohn, Samuel, New York, N. Y. Cutting strips of material. 1,745,476; Feb. 4.
- Cohn, Ward A., et al. (See Landsberger, Lenore K., assignor.)
- Cohoe, Wallace P., Riverdale-on-the-Hudson, N. Y., assignor to Wallace P. Cohoe & Company. Cap closure. 1,767,512; June 24.
- Cohoe, Wallace P. & Co. (See Cohoe, Wallace P., assignor.)
- Cohrs, Walter L. (See Willis, Frank E., assignor.)
- Coil Spring Bumper Company, The. (See Scalpelli, Sylvester, assignor.)
- Coker, Charles W., assignor to Sonoco Products Company, Hartsville, S. C. Spindle for engaging and winding textile fabric. 1,759,095; May 20.
- Colagiuri, Carmelo, Houston, Tex. Combination wheel with piston-spring tire. 1,763,599; June 10.
- Colantuono, Mauro, Pittston, and S. Pineno, Wyoming, Pa. Lock nut. 1,782,463; Nov. 25.
- Colavecchio, Benedict, Providence, R. I. Strap fastener. 1,753,918; Apr. 8.
- Colbentson, Oliver S., Chicago, Ill. Shoulder pad. 1,766,676; Apr. 29.
- Colberg, Alfred, Hamburg, Germany. Apparatus for displaying lighted advertisements. 1,745,407; Feb. 4.
- Colbert, Clarence F., assignor to Zastrow Machine Company, Inc., Baltimore, Md. Exhauster for canned goods. 1,762,129; June 3.
- Colbert, Edward L. (See Stevens, Clarence W., assignor.)
- Colbert, James A., Liberty Center, Ind. Toy. 1,766,282; June 24.
- Colburn, Herbert C., San Leandro, Calif. Radiotube. 1,752,520; Apr. 1.
- Colby, Fred R., and A. L. Larsen, assignors to The Surface Combustion Company, Inc., Toledo, Ohio. Dumping conveyor mechanism for furnaces. 1,749,415; Mar. 4.
- Colby, Frederic R., and A. L. Larsen, assignors to The Surface Combustion Company, Inc., Toledo, Ohio. Transferring objects to hook-type conveyers. 1,752,783; Apr. 1.
- Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Two-step switch. 1,765,567; June 24.
- Colby, Ora A., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Rotary-hearth furnace. 1,770,970; July 22.
- Colby, Vincent V., Chicago, Ill. Curve cutter. 1,775,813; Sept. 16.
- Colby, Woodard, St. Paul, Minn. Safety pin. 1,774,083; Aug. 26.
- Cold Metal Process Company, The. (See Steckel, Abram P., assignor.)
- Coldwell, Harry T., Newark, N. J., assignor to Philadelphia Lawn Mower Company Inc., Philadelphia, Pa. Lawn mower. 1,754,188; Apr. 8.
- Coldwell, John S., Fall River, Mass., assignor to Leno Elastic Web Company of Massachusetts. Loom. 1,768,510; June 24.
- Cole, Arthur W. (See Nendorf, H., and Cole.)
- Cole, Arthur W., assignor to Rex Paper Company, Kalamazoo, Mich. Support for paper rolls and the like. 1,766,105; June 24.
- Cole, Carman S., Pendleton, Oreg. Spark-plug tester. 1,743,881; Jan. 14.
- Cole, Clarence W., Los Angeles, Calif. Display light for show cases. 1,786,601; Dec. 30.
- Cole, Clifford E., Birmingham, Ala., assignor, by mesne assignments, to Nineteen Hundred Corporation, Binghamton, N. Y. Churn. 1,755,813; Apr. 22.
- Cole, Clifford E., Birmingham, Ala., assignor, by mesne assignments, to Nineteen Hundred Corporation, Binghamton, N. Y. Ice-cream freezer. 1,772,456; Aug. 12.
- Cole, Clifford E., and B. W. McGinnis, Birmingham, Ala., assignors, by mesne assignments, to Nineteen Hundred Corporation, Binghamton, N. Y. Ice-cream-freezing attachment for washing machines. 1,749,067; Mar. 4.
- Cole, David, El Paso, Tex., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Crusher. 1,775,750; Sept. 16.
- Cole, Elmer K., Winterset, Iowa. Anchoring and leveling screeds. 1,772,708; Aug. 12.
- Cole, Elwyn Z., Philadelphia, Pa. Nut lock. 1,757,924; May 6.
- Cole, George H., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Refractor bowl. 1,761,654; June 3.
- Cole, Harry, assignor of one-half to E. Ejbl, Andover, Ohio. Clothesline reel. 1,777,784; Oct. 7.
- Cole, Harry A., New York, N. Y., assignor to Cole Service Plan, Inc. Variable-speed transmission. 1,785,936; Dec. 23.
- Cole, Harry R., assignor to Tile and Mantel Contractors Association of America, Wilmington, Del. Sign. Des. 81,177; May 20.
- Cole, Horace L., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer core structure. 1,765,483; June 24.
- Cole, James B., Memphis, Tenn. Adjustable cot and headrest for burial caskets. 1,753,109; Apr. 1.
- Cole, Jaudon D. (See Bozeman, J. F., and Cole.)
- Cole, John M. (See Perry, Harry, assignor.)
- Cole, Lester M. (See Van Hamersveld, J. J. N., De Graff, and Cole.)
- Cole, Lyndon C., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Tool head for radial drills. 1,759,543; May 20.
- Cole, Lyndon C., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Rapid-traverse mechanism for lathes. 1,768,664; July 1.
- Cole, Matthew J., Brooklyn, N. Y. Baby-bottle protector and heat retainer. 1,772,339; Aug. 5.
- Cole, Norman W. (See Stooddy, Winston F. and S. M., and Cole.)
- Cole, Orange R., Los Gatos, and M. T. Garlinger, San Francisco, Calif., assignors to American Telephone and Telegraph Company. Pole planer. 1,758,029; May 13.
- Cole, Percy J., and C. Banta, Philadelphia, Pa., assignors to The Barrett Company, New York, N. Y. Pickling compound. 1,759,840; May 27.
- Cole, Samuel I., Brooklyn, N. Y. Condenser casing. Des. 82,797; Dec. 16.
- Cole, Sanford S., Pittsburgh, Pa., assignor to The Koppers Company. Refractory product. 1,763,882; June 17.
- Cole Service Plan, Inc. (See Cole, Harry A., assignor.)
- Cole, Stewart. (See Gidino, Giuseppe, assignor.)
- Cole, Theodore S., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Generator mounting and drive. 1,751,577; Mar. 25.
- Colegrove, Charles E., Lakewood, assignor to White Sewing Machine Corporation, Cleveland, Ohio. Extension-cord retainer for sewing machines. 1,754,160; Apr. 8.
- Colegrove, Charles E., Lakewood, assignor to White Sewing Machine Corporation, Cleveland, Ohio. Extension-cord retainer for sewing machines. 1,754,161; Apr. 8.
- Colegrove, Charles E., Lakewood, assignor to White Sewing Machine Corporation, Cleveland, Ohio. Extension-cord retainer for sewing machines. 1,754,162; Apr. 8.
- Colella, Louis A., Detroit, Mich. Toy vehicle. 1,764,199; June 17.
- Coleman, Albert M., Brookline, Mass. Sealing compound. 1,767,170; June 24.
- Coleman, Allen B., Des Moines, Iowa. Display rack for ornamental tiles. 1,784,577; Dec. 9.
- Coleman Automatic Transmission Company. (See Coleman, George B., assignor.)
- Coleman, Charles W., assignor to Carr, Ryder & Adams Company, Dubuque, Iowa. Wood door construction. 1,769,985; July 8.
- Coleman, Clarence E., Buffalo, assignor, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Locking device for spinning-bucket covers. 1,760,398; May 27.
- Coleman, Clarence E., Buffalo, assignor by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Device for applying oil or other liquid to thread. 1,767,203; June 24.
- Coleman, George B., Philadelphia, Pa., assignor to Coleman Automatic Transmission Company. Transmission. 1,767,916; June 24.
- Coleman, George B., Detroit, Mich. Torque-impulse multiplier. 1,785,338; Dec. 16.
- Coleman, Jerome N. (See Palmer, G. S., and Coleman.)
- Coleman, John B., and F. Conrad, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Frequency-control device. 1,768,888; July 1.
- Coleman, John P., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,775,811; Sept. 16.
- Coleman Lamp and Stove Co. (See Coleman, William C., assignor.)

- Coleman Lamp & Stove Company, The. (See Denison, Howard S., assignor.)
- Coleman Lamp & Stove Company, The. (See Olds, Ambrose D., assignor.)
- Coleman, O. A., et al. (See Stanfield, James H., assignor.)
- Coleman, Roy E. (See Hodson, W. D., and Coleman.)
- Coleman, Russell P., Montgomery, Ala. Signaling device for automobiles. 1,770,299; July 8.
- Coleman, T. A., et al. (See Stanfield, James H., assignor.)
- Coleman, Telas. (See Finley, Harry P., assignor.)
- Coleman, William C., assignor to Coleman Lamp and Stove Co., Wichita, Kans. Apparatus for burning fuel. 1,749,629; Mar. 4.
- Coleman, William G., Dunedin, New Zealand. Protective device for the coin admission of coin-freed machines. 1,769,501; July 1.
- Colen, Bernard D. (See Strongson, H. L., and Colen.)
- Colerick, Roy, Antioch, Nebr. Nail and staple puller. 1,747,053; Feb. 11.
- Coles, Henry L., assignor to Guardian Metals Company, Hamilton, Ohio. Producing composite metals. 1,755,913; Apr. 22.
- Coles, Henry L. (See Donaldson, J. G., and Coles.)
- Coles, Peyton S., Atlanta, Ga. Garment hanger. 1,763,134; June 10.
- Coles, Walter H., assignor to The Skinner Irrigation Company, Troy, Ohio. Lawn sprinkler. 1,759,439; May 20.
- Coles, Walter H., and B. J. Nelson, assignors to The Skinner Irrigation Company, Troy, Ohio. Sprinkler. 1,756,729; Apr. 29.
- Coles, Yeyton S., Atlanta, Ga. Whirligig. 1,784,179; Dec. 9.
- Coley, Henry E., London, England. Reduction of ores, oxides, and the like. 1,777,993; Oct. 7.
- Colgan, James F., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle-box construction for looms. 1,786,702; Dec. 30.
- Colgan, James F., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lay and shuttle box for looms. 1,786,703; Dec. 30.
- Colgate-Palmolive-Peet Company. (See Schwantes, Julius A., assignor.)
- Colina, William. (See Bennett, M. H., and Colina.)
- Coll, Frederick C., Santurce, San Juan, P. R. Conveyer. 1,744,106; Jan. 21.
- Colladay, Edward F. (See Clement, Edward E., assignor.)
- Collar, Lloyd D., assignor to Collar Valve Corporation, Berkeley, Calif. Bonnet construction for self-grinding valves. 1,761,655; June 3.
- Collar Valve Corporation. (See Collar, Lloyd D., assignor.)
- Colledge, Edward W., trustee. (See Smith, Eugene B., assignor.)
- Collen, Robert H., East Ham, assignor of one-half to John Broadwood & Sons Limited, London, England. Piano-forte. 1,752,234; Mar. 25.
- Collen, Robert H., East Ham, assignor of one-half to John Broadwood & Sons Limited, London, England. Pneumatically-operated player mechanism for musical instruments. 1,773,662; Aug. 19.
- Collenburg, Edward, Corona, N. Y. Device for soaping flowing water. 1,786,561; Dec. 30.
- Colley, Arthur R., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,656; June 3.
- Colley, George F., and T. W. Teddy, Los Angeles, Calif.; said Colley assignor to said Teddy. Antishimmy device. 1,748,866; Feb. 25.
- Colley, Reuben N., Providence, R. I. Heated windshield wiper. 1,745,246; Jan. 28.
- Collier, Bryan C., assignor to Cement Gun Contracting Company, Allentown, Pa. Pile and wall construction. 1,761,614; June 3.
- Collier, Charles S., et al., executors. (See Collier, Guy B.)
- Collier, David R., Gardner, Mass., assignor to Collier-Keyworth Company, Gardner, Mass. Chair iron. 1,766,486; June 24.
- Collier, Elsa H. (See Collier, Ira C., and E. H.)
- Collier, Elvira B., et al., executors. (See Collier, Guy B.)
- Collier, Freeman E., assignor to Foley Saw Tool Company, Incorporated, Minneapolis, Minn. Saw set. 1,763,760; June 17.
- Collier, Guy B., Kinderhook, N. Y. Valve mechanism for internal-combustion motors. 1,746,418; Feb. 11.
- Collier, Guy B., deceased, Kinderhook, N. Y.; C. S. Collier, Chevy Chase, Md.; and E. B. Collier, New York, N. Y., executors of said G. B. Collier. Time-switch apparatus for gas burners. 1,787,422; Dec. 30.
- Collier, Ira C. and E. H., Coronado, Calif. Detachable shoe-heel. 1,772,069; Aug. 5.
- Collier-Keyworth Company. (See Collier, David R., assignor.)
- Collingbourne, Albert B., assignor to Collingbourne Mills, Inc., Elgin, Ill. Package of yarn or the like. 1,762,386; June 10.
- Collingbourne Mills, Inc. (See Collingbourne, Albert B., assignor.)
- Collingham, Robert H., Rugby, England, assignor to General Electric Company. Elastic-fluid turbine. 1,743,759; Jan. 14.
- Collings, Byron B., Washington, D. C., assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixer. 1,766,605; June 24.
- Collings, Clarence H., Cleveland Heights, Ohio. Interior building construction. 1,744,528; Jan. 21.
- Collings, William A., assignor to Silica Products Co., Los Angeles, Calif. Hydraulic cement and other calcareous plastics. 1,755,502; Apr. 22.
- Collings, William A., Santa Monica, Calif., and R. Cross, Kansas City, Mo., assignors to Silica Products Co., Los Angeles, Calif. Soundproofing building materials. 1,770,767; July 15.
- Collins, A. M., Manufacturing Company. (See Gillbee, Manuel T., assignor.)
- Collins & Aikman Corporation. (See Curtis, Melville G., assignor.)
- Collins, Arthur E., Cuyhoga Falls, Ohio, assignor by mesne assignments, to Miller Rubber Company Inc., Wilmington, Del. Winding machine. 1,768,190; June 24.
- Collins, Arthur H., assignor of one-half to L. B. McCullough, Jacksonville, Fla. Spring motor. 1,756,783; Apr. 29.
- Collins, Aubrey L., assignor to Limit Engineering Company Limited, London, England. Sound box of gramophones and like sound-reproducing machines. 1,771,111; July 22.
- Collins, Charles D., assignor to American Cyanamid Company, New York, N. Y. Ship-fumigating apparatus. 1,745,078; Jan. 28.
- Collins, Charles H., deceased, Amsterdam, M. Collins, executrix, Cranesville, and E. D. Jansen, deceased, Albany, A. C. Jansen, administratrix, assignors to Collins Loom Works, Inc., Amsterdam, N. Y. Spool winder. 1,759,002; May 20.
- Collins, Charles H. R., Bondi, near Sydney, New South Wales, Australia. Blasting apparatus. 1,774,963; Sept. 2.
- Collins, Charles L., and J. V. Anzulovic, Omaha, Nebr. Adjustable slicing machine. 1,783,222; Dec. 2.
- Collins, Charles W., Seattle, Wash. Brake-operating mechanism. Re17,687; June 3.
- Collins, Cornelius, Los Angeles, Calif. Stud or the like. 1,755,503; Apr. 22.
- Collins, Edward, Tacoma, Wash. Artificial-limb connector. 1,750,213; Mar. 11.
- Collins, Ernest V., jr., Brooklyn, assignor to Delaware, Lackawanna & Western Coal Company, New York, N. Y. Treating coal. 1,781,102; Nov. 11.
- Collins, Ernest V., jr., Brooklyn, assignor to Delaware, Lackawanna & Western Coal Company, New York, N. Y. Treating coal. 1,781,103; Nov. 11.
- Collins, Eustace R., A. B. Eberhart, and W. A. Gillentine, Fort Worth, Tex. Insect exterminator. 1,754,083; Apr. 8.
- Collins, Frank, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lamp base member or article of similar nature. Des. 82,479; Nov. 11.
- Collins, Frank, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lamp base member or article of similar nature. Des. 82,480; Nov. 11.
- Collins, Frank, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lamp base member or article of similar nature. Des. 82,481; Nov. 11.
- Collins, Frank, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lamp base member or article of similar nature. Des. 82,482; Nov. 11.
- Collins, Frank, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lamp base member or article of similar nature. Des. 82,483; Nov. 11.
- Collins, Frank, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lamp base member or article of similar nature. Des. 82,484; Nov. 11.
- Collins, Frank, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lamp base member or article of similar nature. Des. 82,485; Nov. 11.
- Collins, Frank, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lamp base member or article of similar nature. Des. 82,486; Nov. 11.
- Collins, Frank, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lamp base member or article of similar nature. Des. 82,487; Nov. 11.
- Collins, Frank, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lamp base member or article of similar nature. Des. 82,488; Nov. 11.
- Collins, George H., Brentford, England. Fire bar. 1,751,395; Mar. 18.
- Collins, Harold B., Philadelphia, Pa. Envelope-filling machine. 1,752,784; Apr. 1.
- Collins, Hiram H., Cincinnati, Ohio, assignor to B. Walker, Piedmont, Calif. Vehicle parking mechanism. 1,742,636; Jan. 7.
- Collins, James, et al. (See Pavelsky, Thomas R., assignor.)
- Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Spanner wrench. 1,759,186; May 20.
- Collins, James H., Chicago, Ill. Clothes tree. 1,748,597; Feb. 25.
- Collins, John, assignor of forty-nine one-hundredths to C. Carter, Vernon, Tex. Gang plow. 1,769,334; July 1.
- Collins, John J., New York, N. Y. Folding electric house lamp. 1,774,353; Aug. 26.
- Collins, John L., assignor to The Warner Corporation, Syracuse, N. Y. Lever. 1,757,412; May 6.
- Collins, John L., assignor to The Warner Corporation, Syracuse, N. Y. Lever. 1,757,413; May 6.
- Collins, John L., assignor to The Warner Corporation, Syracuse, N. Y. Power-transmission gearing. 1,757,414; May 6.
- Collins, John N., Rosedale, N. Y. Collar. 1,782,000; Nov. 18.

- Collins, Julius G., Kansas City, Kans., assignor to The Perfect Anti-Freeze Company. Antifreeze composition. 1,776,181; Sept. 16.
- Collins Loom Works, Inc. (See Collins, C. H., and Jansen, assignors.)
- Collins Loom Works Inc. (See Hildebrandt, Louis H., assignor.)
- Collins, Mary, executrix. (See Collins, C. H., and Jansen.)
- Collins, Merrill D., Detroit, Mich. Fireman's helmet. 1,749,998; Mar. 11.
- Collins, Odie O., Riverside, Calif. Gripping device. 1,782,030; Nov. 18.
- Collins, Raymond R., Newton, Mass. Condenser. 1,787,144; Dec. 30.
- Collins, Robert E., assignor of 25 per cent to C. G. Chumos, Topeka, Kans. Automatic liquid-dispensing machine. 1,749,970; Mar. 11.
- Collins, Thomas, Timperley, assignor to Cook & Co., Manchester, Limited, Manchester, England. Knotting appliance. 1,760,297; May 27.
- Collins, Thomas E., St. Louis, Mo. Safety signal. 1,773,346; Aug. 19.
- Collins, Timothy F., Somerville, Mass. Inboard-motor-boat attachment. 1,745,354; Feb. 4.
- Collins, Walter H., assignor to Pacific Clay Products, Los Angeles, Calif. Conduit and constructing the same. 1,784,271; Dec. 9.
- Collins, Wilbur H., and J. R. Craig, Pittsburgh, Pa. Carburetor. 1,769,176; July 1.
- Collins, William A., Toledo, Ohio, assignor to Moto Meter Gauge & Equipment Corporation, New York, N. Y. Electrical apparatus. 1,760,837; May 27.
- Collins, William G., Wichita Falls, Tex. Radiator. 1,752,235; Mar. 25.
- Collis, Raymond E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,743,708; Jan. 14.
- Collis, Raymond E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,762,763; June 10.
- Collito, Thomas, Newark, N. J. Flush valve. 1,771,772; July 29.
- Collyear, John R. (See Baxenden, T. G., and Collyear.)
- Colman, H. D., and D. J. Stewart, Rockford, Ill.; said Stewart assignor to said Colman. Operating means for doors and the like. 1,773,219; Aug. 19.
- Colman, Howard D. (See Anderson, Gotfried, assignor.)
- Colman, Howard D. (See Stewart, Duncan J., assignor.)
- Colman, Howard D., Rockford, Ill. Telegraphy. 1,745,007; Jan. 28.
- Colman, Howard D., Rockford, Ill. Telegraphy. 1,745,008; Jan. 28.
- Colman, Howard D., Rockford, Ill. Selective signaling apparatus. 1,760,478; May 27.
- Colman, Howard D., Rockford, Ill. Radiant-energy control system. 1,760,479; May 27.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Ball-warper traverse mechanism. 1,753,503; Apr. 8.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Heddle-handling mechanism. 1,756,814; Apr. 29.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Lacing machines and lacing skeins. 1,774,591; Sept. 2.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Skein-lacing machine. 1,774,592; Sept. 2.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Lacing machine. 1,784,984; Dec. 16.
- Coloder Company, The. (See Newdick, Norton A., assignor.)
- Colonial Cabin Camp Corporation, The. (See Musgrove, Floyd L., assignor.)
- Colonial Chair Company. (See Krabol, Olaus O., assignor.)
- Colonial Iron Works Company, The. (See Nagel, Henry W., assignor.)
- Colonial Motor Coach Corporation. (See Watson, Matthew S., assignor.)
- Colony, Myron W. (See Beardsley, E. W., and Colony.)
- Colorado Fuel & Iron Company. (See Macdonald, Charles H., assignor.)
- Colorado Iron Works Company. (See Dickson, Thomas A., assignor.)
- Colquhoun, Peter M., Lakewood, and W. R. Allen, Hudson, assignors to The American Multigraph Company, Cleveland, Ohio. Paper-feeding mechanism. 1,766,106; June 24.
- Colson Company, The. (See Johnson, Wilfred G., assignor.)
- Colson Company, The. (See Roe, De Forest, assignor.)
- Colson Company, The. (See Roe, Mayo E., assignor.)
- Colt, J. B., Company, The. (See Mandeville, John L., assignor.)
- Colt, Samuel S., Orange, N. J. Concrete-form-clamping device. 1,755,284; Apr. 22.
- Colt, Samuel S., Orange, N. J. Locking up concrete-pouring forms. 1,756,632; Apr. 29.
- Colt, Samuel S., Orange, N. J. Concrete-form-clamping apparatus. 1,773,390; Aug. 19.
- Colt, Samuel S., Orange, N. J. Concrete-form-clamping device. 1,774,317; Aug. 26.
- Colton, Max, Newark, N. J. Vaporizer. 1,756,053; Apr. 29.
- Colt's Patent Fire Arms Manufacturing Company. (See Conner, Benjamin F., assignor.)
- Colt's Patent Fire Arms Manufacturing Company. (See Webb, George, assignor.)
- Colucci, Giuseppe, Naples, Italy. Device for transforming a uniform rotary motion into an alternating motion with different speeds in two directions. 1,755,914; Apr. 22.
- Colucci, John M., Brooklyn, assignor to Majestic Lamp Works, New York, N. Y. Clock case. Des. 81,272; June 3.
- Colucci, John M., Brooklyn, N. Y., assignor to Majestic Lamp Works, New York, N. Y. Lamp. Des. 81,628; July 22.
- Columbia Axle Company, The. (See Harper, George W., assignor.)
- Columbia Axle Company, The. (See Mooers, Louis P., assignor.)
- Columbia Engineering and Management Corporation. (See Odell, William W., assignor.)
- Columbia Engineering & Manufacturing Corporation. (See Williams, Samuel C., assignor.)
- Columbia Fastener Company. (See Kositchek, Leo S., assignor.)
- Columbia Metal Box Company. (See Parmet, Albert, assignor.)
- Columbia Metal Products Company. (See Casey, William J., assignor.)
- Columbia Mills Incorporated. (See Leeper, Frank, assignor.)
- Columbia Mixers Corporation, The. (See Goetz, Joseph F., assignor.)
- Columbia Narrow Fabric Company. (See Kenyon, Charles F., assignor.)
- Columbia Narrow Fabric Company. (See Randall, Norman E., assignor.)
- Columbia Phonograph Company. (See Capps, Frank L., assignor.)
- Columbia Phonograph Company. (See Capps, F. L., and Summers, assignors.)
- Columbia Phonograph Company. (See Cox, Henry C., assignor.)
- Columbia Phonograph Company. (See Haffling, Eric V., assignor.)
- Columbia Phonograph Company. (See Hinckley, Frank C., assignor.)
- Columbia Phonograph Company. (See Prescott, John O., assignor.)
- Columbia Ribbon & Carbon Manufacturing Company. (See Dixon, Harold W. A., assignor.)
- Columbia Stamping Products Co. (See Klein, A., and Esterow, assignors.)
- Columbia Steel Equipment Company. (See Bergmann, Philip, assignor.)
- Columbian Carbon Company. (See Peck, Le Roy E., assignor.)
- Columbian Rope Company. (See Dodge, Milo C., assignor.)
- Columbian Rope Company. (See Reber, James B., assignor.)
- Columbus Auto Brass Company, The. (See Donley, H. B., and Balzer, assignors.)
- Columbus Bed Springs Manufacturing Company. (See Elder, Charles J., assignor.)
- Columbus Dental Manufacturing Co., The. (See Fischler, Bernard, assignor.)
- Columbus Dental Manufacturing Company, The. (See Moyer, James H., assignor.)
- Columbus Dental Manufacturing Company, The. (See Vongunten, Alfred E., assignor.)
- Columbus Handle & Tool Corporation. (See Bassett, Henry L., assignor.)
- Columbus Handle & Tool Corporation. (See Marienthal, Charles, assignor.)
- Columbus Handle & Tool Corporation. (See Webster, Lewis E., assignor.)
- Columbus Machine Company, The. (See Porter, Harper R., assignor.)
- Columbus Machine Company, The. (See Sparks, Stanley W., assignor.)
- Columbus-McKinnon Chain Corporation, The. (See Stahl, Frank E., assignor.)
- Columbus Phonograph Company. (See Prescott, John O., assignor.)
- Columbus Sucker Rod Company, The. (See Anderson, Frank E., assignor.)
- Columbus Vending Company, The. (See Vogel, Frank H., assignor.)
- Colvin, Charles M., Wilmette, Ill. Oil-burning apparatus. 1,744,825; Jan. 28.
- Colvin, Fred S., and J. V. Rogers, Yakima, Wash. Fruit tumbler and conveyer. 1,763,883; June 17.
- Colvin, Harold B., Port Chester, N. Y., assignor to Bankers Development Corporation, New York, N. Y. Savings-bank clock case. Des. 80,991; Apr. 15.
- Colwell, Robert C., Morgantown, W. Va. Top. 1,772,208; Aug. 5.
- Comber, Thomas J., Somerville, Mass., assignor of one-half to A. L. Emery, Charlotte, N. C. Device for clearing flyings, lint, etc., from drawing frames, etc. 1,745,151; Jan. 28.
- Combination Machine Company. (See Peterson, J., and Thom, assignors.)
- Combined Metal Reduction Company. (See Snyder, E. H., and Green, assignors.)

- Combined Metals Reduction Company. (See Green, William D., assignor.)
- Combs, Edward L., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Radiocabinet. Des. 81,426; June 17.
- Combs, Paul, South Boston, Va. Fireplace protector. 1,770,878; July 15.
- Combustion Control Company. (See Potter, Frederick D., assignor.)
- Combustion Engineering Corporation. (See Bell, John E., assignor.)
- Combustion Engineering Corporation. (See Caracristi, Virginus Z., assignor.)
- Combustion Engineering Corporation. (See De Wolf, Roger D., assignor.)
- Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
- Combustion Fuel Oil Burner Company. (See Rogers, H. S., and Raddatz, assignors.)
- Combustion Utilities Corporation. (See Doherty, Henry L., assignor.)
- Combustion Utilities Corporation. (See Wanning, Harvey H., assignor.)
- Combustioneer, Inc. (See Goddard, Ray C., assignor.)
- Comeau, Augustin F., Providence, R. I. Wire-twisting implement. 1,779,357; Oct. 21.
- Comeau, Melburn A., Haverhill, Mass. Shoe and heel therefor. 1,762,546; June 10.
- Comer, Floyd E., Bristol, Ind. Pipe coupling. 1,786,825; Dec. 30.
- Comer, Victor T., San Francisco, Calif. Electric-cell testing machine. 1,781,914; Nov. 18.
- Comey, R. H., Brooklyn Company. (See Geisler, Edgar W., assignor.)
- Comiskey, Jack, Kansas City, Kans. Automobile bumper. 1,755,207; Apr. 22.
- Comley, Charles W. A., assignor to Comley Ticket Register Company Limited, London, England. Ticket-punching apparatus. 1,768,665; July 1.
- Comley Ticket Register Company Limited. (See Comley, Charles W. A., assignor.)
- Commanditaire Vennootschap: J. B. van Heijst & Zonen. (See van Heijst, Franciscus W., assignor.)
- Commerce Guardian Trust & Savings Bank, The, trustee. (See Replogle, Daniel B., assignor.)
- Commercial Clearing Corporation. (See Woelfel, George F., assignor.)
- Commercial Iron Works of Los Angeles. (See Rupp, Carl A., assignor.)
- Commercial National Bank, executor. (See Craig, Edward, assignor.)
- Commercial Pigments Corporation. (See Blumenfeld, Joseph, assignor.)
- Commercial Shearing & Stamping Company, The. (See Proctor, R. V., and Schaab, assignors.)
- Commercial Shearing and Stamping Company, The. (See White, Thomas L., assignor.)
- Commercial Solvents Corporation. (See Bannister, William J., assignor.)
- Commercial Solvents Corporation. (See Bogin, C., and Simms, assignors.)
- Commercial Solvents Corporation. (See Brown, Bruce K., assignor.)
- Commercial Solvents Corporation. (See Martin, J., and Krichma, assignors.)
- Commercial Solvents Corporation. (See Stengel, Leonard A., assignor.)
- Common Brick Manufacturers' Association of America. (See Denison, George W., assignor.)
- Commonwealth Electric Company, The. (See Schorr, P. C., and Syring, assignors.)
- Commonwealth Steel Company. (See Westlake, Charles T., assignor.)
- Communication Patents, Inc. (See Nicolson, Alexander M., assignor.)
- Compagnie d'Applications Mecaniques. (See Rouanet, Louis, assignor.)
- Compagnie de Machines Automatiques Savingma. (See Alibert, Emile, assignor.)
- Compagnie des Forges et Acieries de la Marine et d'Homecourt et al. (See de Courseulles, Robert, assignor.)
- Compagnie des Forges et Acieries de la Marine et d'Homecourt. (See Granat, Elie, assignor.)
- Compagnie des Mines de Vicoigne, Noeux & Drocourt. (See Vieu, C., assignor, and Mourgeon.)
- Compagnie Francaise des Machines-Outils de Précision. (See Bussy, Alfred, assignor.)
- Campagne Internationale des Wagons-Lits et des Grands Express Europeens. (See Hautot, Maurice, assignor.)
- Compagnie Internationale pour la Fabrication des Essences et Petroles. (See Joseph, Alfred, assignor.)
- Compagnie Lorraine de Charbons pour l'Electricité. (See Oswald, Marcel, assignor.)
- Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlman. (See Durr, André H. V., assignor.)
- Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz. (See Chirol, Maurice, assignor.)
- Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz, et al. (See Delalande, André D. G., assignor.)
- Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz. (See Loubet, Henri R., assignor.)
- Compin, Octave C., Courbevoie, assignor to Société Anonyme des Brevets Compin, Courbevoie, Seine, France. Resilient bench. 1,773,170; Aug. 19.
- Complete Calculator Company. (See Golber, Hyman, assignor.)
- Complex Ores Recoveries Company. (See Coolbaugh, M. F., and Read, assignors.)
- Compton, Harry L., Washington, D. C., assignor to American Dairy Supply Co. Cover-all bottle cap. 1,769,207; July 1.
- Compton, James T., Los Angeles, Calif. Ground scraper and leveler. 1,782,646; Nov. 25.
- Compton, William E., Compton, Calif. Artificial flower. 1,749,526; Mar. 4.
- Comstock, Bessie, Waukesha, Wis. Sofa pillow. 1,754,937; Apr. 15.
- Comstock-Castle Stove Company. (See Sandell, Joseph H., assignor.)
- Comstock, Charles, New Hyde Park, N. Y. Door holder. 1,749,905; Mar. 11.
- Comstock, Charles C., assignor of one-half to A. R. Matlock, Seattle, Wash. Hamburger mold. 1,757,447; May 6.
- Comstock, Corry B., assignor to Comstock Oven Company, Inc., New York, N. Y. Feeding apparatus for bakers' ovens. 1,764,550; June 17.
- Comstock, Daniel F., assignor to Comstock & Wescott, Inc., Boston, Mass. Building construction. 1,770,200; July 8.
- Comstock, Dorothy D. (See Stoddard, Beatrice M., assignor.)
- Comstock Oven Company. (See Comstock, Corry B., assignor.)
- Comstock & Wescott, Inc. (See Comstock, Daniel F., assignor.)
- Comstock, William P. (See Souto, B. V., and Comstock.)
- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 80,307; Jan. 14.
- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 80,358; Jan. 21.
- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 80,359; Jan. 21.
- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 80,360; Jan. 21.
- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 80,999; Apr. 22.
- Conant, Clarence H., Chicago, Ill. Electrical connector. 1,784,340; Dec. 9.
- Conant, Leon B., Cambridge, Mass., assignor, by mesne assignments, to Standard Patent Process Corporation. Vulcanizing rubber to leather. 1,769,943; July 8.
- Conard, Frederick U., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,763,344; June 10.
- Conaway, Charles W., Great Neck, N. Y. Measuring device. Des. 81,776; Aug. 12.
- Conaway, Ernest A. (See Bowen, Albert O. and D. J., assignors.)
- Conaway, Ernest A., Little Rock, Ark., assignor to J. H. Conaway, Clayton, Mo. Seal. 1,747,467; Feb. 18.
- Conaway, Jean H. (See Conaway, Ernest A., assignor.)
- Conaway, Walter R., et al. (See Johnson, V. A., and Lawler, assignors.)
- Conboy, Edward M., Woodhaven, N. Y. Chair. Des. 81,523; July 8.
- Conboy, Edward M., Woodhaven, N. Y. Chair. Des. 81,524; July 8.
- Conboy, Edward M., Woodhaven, N. Y. Chair. Des. 81,525; July 8.
- Conboy, Edward M., Woodhaven, N. Y. Chair. Des. 81,526; July 8.
- Conboy, Edward M., Woodhaven, N. Y. Chair. Des. 81,527; July 8.
- Conboy, Edward M., Woodhaven, N. Y. Table. Des. 81,528; July 8.
- Conboy, Russell D., Waterbury, Conn., assignor to Ferdinand Strauss, Inc., New York, N. Y. Toy tractor. 1,754,307; Apr. 15.
- Concealed Door Check Company. (See Eastman, Floyd K., assignor.)
- Concealed Door Check Company. (See Simmons, Herbert G., assignor.)
- Concealo Fixture Company. (See Noack, William A., assignor.)
- Concentric Air Cells Automatic Company. (See Jurgensen, August P., assignor.)
- Concepcion, Gabriel de la Peña. Typewriting machine. 1,750,507; Mar. 11.
- Concha, Thomas. (See Rogers, J. H., and Concha.)
- Conchar, Belden L., Millburn, N. J., assignor to Keystone Stamping Corporation. Mopstick head. 1,743,193; Jan. 14.
- Concrete Engineering Company. (See Meyer, Charles L., assignor.)
- Concrete Steel Company. (See Bickel, J. A., and Mohrman, assignors.)
- Condenser Corporation of America. (See Danziger, Harold I., assignor.)
- Condict, George H., Plainfield, N. J. Making denatured alcohol. 1,777,035; Sept. 30.

- Condit Electrical Manufacturing Corporation. (See Ainsworth, Chester D., assignor.)
- Condit Electrical Manufacturing Corporation. (See Burnham, George A., assignor.)
- Condit Electrical Manufacturing Corporation. (See Edsall, William S., assignor.)
- Condit Electrical Manufacturing Corporation. (See Garroway, David C., assignor.)
- Condit Electrical Manufacturing Corporation. (See Garroway, D. C., and Ainsworth, assignors.)
- Condit Electrical Manufacturing Corporation. (See Greenwood, Talma T., assignor.)
- Condit Electrical Manufacturing Corporation. (See Jansson, Gustav, assignor.)
- Condit Electrical Manufacturing Corporation. (See Jansson, Gustav E., assignor.)
- Condit Electrical Manufacturing Corporation. (See O'Keefe, George W., assignor.)
- Condit Electrical Manufacturing Corporation. (See Wood, Joseph D., assignor.)
- Condit Electrical Manufacturing Corporation. (See Wood, Morris B., assignor.)
- Condon, Ernest L., Dorchester, Boston, assignor to United American Soda Fountain Company, Boston, Mass. Dispensing cabinet. 1,744,866; Jan. 28.
- Cone, Alfred I., New York, N. Y., assignor to Merck & Co. Inc., Rahway, N. J. Threaded bottle stopper. 1,777,826; Oct. 7.
- Cone, Charles N. (See Laucks, I. F., and Cone.)
- Cone, Frank L., Windsor, Vt. Automatic spindle lathe. 1,765,130; June 17.
- Cone Gearing Corporation. (See Cone, Samuel I., assignor.)
- Cone, Howard M., Longview, Wash., assignor of one-half to The Long-Bell Lumber Company, Kansas City, Mo. Thermostatic control of a vent in a chamber. Re17,676; May 27.
- Cone, James H., Rosiland, N. J., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,783,559; Dec. 2.
- Cone, Samuel I., Portsmouth, assignor to Cone Gearing Corporation, Norfolk, Va. Generating worm gearing. 1,751,540; Mar. 25.
- Concky, H. D., & Company. (See Kettleborough, Harry J., assignor.)
- Congable, Henry F., Oakland, Calif. Irrigation pipe. 1,743,431; Jan. 14.
- Congdon, Clem H., Cleveland, Ohio. Aircraft. 1,766,167; June 24.
- Congdon, Clem H., Cleveland, Ohio. Aircraft. 1,778,782; Oct. 21.
- Congdon, Dolly, Grand Rapids, Mich. Combination tray and candle holder. Des. 80,779; Mar. 25.
- Congdon, Walter L., assignor of one-fourth to J. H. Waldman and one-fourth to C. R. Carter, El Paso, Tex. Power device for applying vehicle brakes. 1,760,345; May 27.
- Conger, Clarence G., Syracuse, N. Y. Pocketbook. 1,786,896; Dec. 30.
- Conger, Kenyon B., jr. (See Sersen, F. J., and Conger.)
- Congoleum-Nairn, Inc. (See Allen, Frank M., assignor.)
- Congoleum-Nairn, Inc. (See Bonney, R. D., and Irwin, assignors.)
- Congoleum-Nairn Inc. (See Fauser, Gustave M., assignor.)
- Congoleum-Nairn, Inc. (See Feeney, Joseph P., assignor.)
- Congoleum-Nairn, Inc. (See McConoughey, Merle S., assignor.)
- Conill, Fernan O., Cannes, France. Safety razor. 1,755,726; Apr. 22.
- Conkey, G. E., Company, The. (See Placak, Harry, assignor.)
- Conkie, Waldo J., Denver, assignor to Alexander Industries, Inc., Englewood, Colo. Process and medium for producing song films. 1,778,104; Oct. 14.
- Conklin, Elias V., New York, N. Y. Electric heater. 1,774,635; Sept. 2.
- Conklin, Roscoe A., Chicago, Ill. Combined paper head covering and fan. 1,743,432; Jan. 14.
- Conklin, Vernon A., Maplewood, N. J. Electric switch. 1,752,236; Mar. 25.
- Conklin, William H., Ansonia, Conn. Device for transmitting intelligence. 1,771,953; July 29.
- Conlan, William, Quincy, Wash. Swing hanger. 1,770,152; July 8.
- Conley, Annie, Eau Claire, Wis. Liquid cooler. 1,783,641; Dec. 2.
- Conley, Brooks L., Canton, Ohio, assignor to The Hoover Company. Universal motor. 1,750,745; Mar. 18.
- Conley, Thomas, West Newton, Mass. Window screen. 1,769,177; July 1.
- Conlon Corporation. (See Anderson, C. F., and Janda, assignors.)
- Conlon Corporation. (See Janda, Rudolph W., assignor.)
- Conlon, Thomas A., Silver Spring, Md. Suspension for vehicles. 1,764,038; June 17.
- Conlon, Thomas A., Silver Spring, Md. Mount for guns. 1,779,531; Oct. 28.
- Conn, C. G., Ltd. (See Dotson, Ora, assignor.)
- Conn, C. G., Ltd. (See Gulick, Edward J., assignor.)
- Conn, C. G., Ltd. (See Schwartz, Harry W., assignor.)
- Conn, Robert W. (See Ferguson, J. E., Conn, and Hoffman.)
- Connant, Leon B., Cambridge, Mass., assignor, by mesne assignments, to Standard Patent Process Corporation. Vulcanizing rubber to leather. 1,787,145; Dec. 30.
- Conneaut Shovel Company, The. (See Welsh, Chester J., assignor.)
- Connecticut Electric Manufacturing Company, The. (See Both, Tonjes A., assignor.)
- Connecticut Telephone & Electric Corporation. (See Cadieux, Joseph O., assignor.)
- Connecticut Telephone & Electric Company. (See Donle, Harold P., assignor.)
- Connecticut Telephone & Electric Corporation. (See Young, F. A., and Boardman, assignors.)
- Connell, Edwin L., assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Electric drill. 1,754,222; Apr. 15.
- Connell, John W., assignor to Publibus Limited, Montreal, Quebec, Canada. Inlaid advertising frame. 1,743,913; Jan. 14.
- Connell, Martin F., Boston, Mass. Violin holder. 1,742,305; Jan. 7.
- Connell, Martin F., Holliston, Mass. Attachment for violins. 1,786,478; Dec. 30.
- Connellee, James E., Baltimore, Md. Sanding appliance for use with locomotives. 1,755,428; Apr. 22.
- Connolly, Eugene L., Pittsburgh, Pa. Flash light. 1,780,004; Oct. 28.
- Connolly, Bush W., and O. J. Haller, assignors to American Tubular Elevator Company, Pittsburgh, Pa. Tubular steel tower. 1,773,030; Aug. 12.
- Conner, Benjamin F., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Electrical connection plug. 1,778,549; Oct. 14.
- Conner, Benjamin F., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Electrical connection plug. 1,778,550; Oct. 14.
- Conner Crouse Corporation. (See Crouse, George B., assignor.)
- Conner Crouse Corporation. (See Crouse, G. B., and Jallow, assignors.)
- Conner, Edward A., Stratford, Conn. Attachment for stranded-wire structures and process of making. 1,770,971; July 22.
- Conner, Edward A., Stratford, Conn., assignor to American Chain Company, Inc. Wire strand. 1,756,972; May 6.
- Conner, Edward A., Stratford, Conn., assignor to American Chain Company, Inc. Threading wire strands. 1,756,973; May 6.
- Conner, Edward A., Stratford, Conn., assignor to American Cable Company, Inc. Machine for making wire strands, ropes, and cables. 1,781,894; Nov. 18.
- Conner, Fayette M., Fairview, Okla. Window ventilator. 1,769,335; July 1.
- Conner, Frank T., South Chicago, Ill. Antiglare device. 1,781,777; Nov. 18.
- Conner, James H., Rosman, N. C. Fire alarm. 1,779,463; Oct. 28.
- Conner, Julian B., Humble, Tex. Pump. 1,766,487; June 24.
- Conner, Lawrence E., Jackson, Mich. Draft connector. 1,744,612; Jan. 21.
- Connersville Blower Company, The. (See Wilkins, J. T., and Houghton, assignors.)
- Connery, Alder F., Brooklyn, assignor to Postal Telegraph-Cable Company, New York, N. Y. Telegraph-exchange system. 1,773,952; Aug. 26.
- Connery, Alder F., Brooklyn, and F. G. Hallden, Jamaica, assignors to Postal Telegraph-Cable Company, New York, N. Y. Adjustable tuning fork. 1,746,106; Feb. 4.
- Connery, William M., Philadelphia, Pa. Cover hanger and plate-fastening device. 1,755,469; Apr. 22.
- Connery, William M., Philadelphia, Pa. Baffle or shield for superheat flues and breechings. 1,777,196; Sept. 30.
- Connery, William M., Philadelphia, Pa. Wall covering and support therefor. 1,782,774; Nov. 25.
- Connochie, Samuel, Flushing, and H. Walker, Port Washington, N. Y. Christmas flag. Des. 81,478; July 1.
- Connolly, Francis J., Billericay, England. Printing apparatus. 1,777,785; Oct. 7.
- Connolly, George E., Oakland, Calif., assignor to Nichols Copper Company, New York, N. Y. Furnace construction. 1,778,144; Oct. 14.
- Connolly, Gerald C. (See Miller, E. B., and Connolly.)
- Connolly, James E., Baltimore, Md. Safety razor. 1,777,691; Oct. 7.
- Connolly, Michael M., Sherman, Calif. Roof paint. 1,783,702; Dec. 2.
- Connolly, William B., assignor to F. A. Smith Manufacturing Company, Inc., Rochester, N. Y. Electrical lighting device for cigars and the like. 1,781,440; Nov. 11.
- Connor, Albert W., and S. H. Schwartz, assignors to The Biltmore Ero Manufacturing Company, Cincinnati, Ohio. Removable seat cover. 1,761,657; June 3.
- Connor, John C., Detroit, Mich. Molding. 1,778,419; Oct. 14.
- Connor, William F., New York, N. Y. Saltcellar. 1,744,952; Jan. 28.
- Connor, William M., assignor to American Tin Company, Inc., Baltimore, Md. Deep metal refiner. 1,750,390; Mar. 11.
- Connors, Arthur, Brooklyn, N. Y. Brake for flying machines. 1,777,254; Sept. 30.
- Connors, John L. (See Mitchell, L. E., Connors, and Pineles.)

- Connors, John W., Dedham, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine. 1,770,025; July 8.
- Connors, John W., Dedham, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine. 1,770,026; July 8.
- Connors, Thomas F., Columbus, Ohio, assignor, by mesne assignments, to C. G. McGhie, St. Catharines, Ontario, Canada. Tool. 1,752,064; Mar. 25.
- Connors, Thomas F., Columbus, Ohio, assignor, by mesne assignments, to C. G. McGhie, St. Catharines, Ontario, Canada. Load-bearing tool. 1,754,415; Apr. 15.
- Connors, William, Gulfport, Miss. Lure carrier. 1,770,068; July 8.
- Conor, George H., Buenos Aires, Argentina. Automatic loading transporter. 1,759,975; May 27.
- Conover, Claude A., Newburgh, N. Y. Closure for toothpaste tubes. 1,765,128; June 17.
- Conover Company, The. (See Stoddard, Edgar S., assignor.)
- Conover Company, The. (See Stoddard, E. S., and Allen, assignors.)
- Conover Company, The. (See Watt, E. D., and Conover, assignors.)
- Conover, Courtney, assignor to Monsanto Chemical Works, St. Louis, Mo. Refining crude phthalic anhydride. 1,755,242; Apr. 22.
- Conover, George W. (See Watt, E. D., and Conover.)
- Conover, Harvey, Chicago, Ill. Check book. 1,749,129; Mar. 4.
- Conover, John R., Upper Darby, assignor to The Laboratory of Research Chemotherapy, Philadelphia, Pa. Chemical emulsion. 1,758,651; May 13.
- Conover, Richard, assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Loud-speaker motor. 1,786,479; Dec. 30.
- Conrad, Charles M., Fort Lauderdale, Fla. Coffeepot. 1,745,605; Feb. 4.
- Conrad, Edward, Toppenish, Wash. Sweeping compound. 1,758,735; May 13.
- Conrad, Frank. (See Coleman, J. B., and Conrad.)
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Antenna system. 1,750,847; Mar. 11.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Short-wave antenna. 1,768,666; July 1.
- Conrad, Fred A., assignor to American Lace Paper Company, Milwaukee, Wis. Paper article. 1,769,417; July 1.
- Conrad, Isiah, assignor to F. O. Schoedinger, Columbus, Ohio. Sheet-metal furniture. 1,781,718; Nov. 18.
- Conrad, John T. R., East Cleveland, Ohio. Car-door jack. 1,768,544; July 1.
- Conrad, Joshua C., Cement, Okla. Cotton hulling and cleaning machine. 1,774,422; Aug. 26.
- Conrad, Louis J., Brookville, Ind. Treating lumber. 1,775,387; Sept. 9.
- Conrad, Nicholas J., Winnetka, assignor to Schweitzer & Conrad, Chicago, Ill. Switch. Re17,611; Mar. 4.
- Conrad, Nicholas J., Winnetka, assignor to Schweitzer & Conrad, Chicago, Ill. Primary cut-outs. Re17,612; Mar. 4.
- Conrad, Nicholas J., Wilmette, assignor to Schweitzer & Conrad, Chicago, Ill. Fuse device and the like. 1,743,322; Jan. 14.
- Conrad, Nicholas J., Wilmette, assignor to Schweitzer & Conrad, Chicago, Ill. Switch. 1,746,337; Feb. 11.
- Conrad, Nicholas J., Wilmette, assignor, by mesne assignments, to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse. 1,779,929; Oct. 28.
- Conrad Shoe Company. (See Quigley, David F., assignor.)
- Conrad, William B., Casper, Wyo. Beet harvester. 1,768,396; June 24.
- Conrad, William L., Boston, Mass. Processing apparatus. 1,756,240; Apr. 29.
- Conrad, William L., Boston, Mass. Processing apparatus. 1,778,380; Oct. 14.
- Conradson Tool Company. (See Denning, William J., assignor.)
- Conran, William F., Brooklyn, N. Y. Valve. 1,752,836; Apr. 1.
- Conran, William F., Brooklyn, N. Y. Fire-bucket tank. 1,754,980; Apr. 15.
- Conrath, Almon E., La Grange, Ill. Hook. 1,758,934; May 20.
- Conrow, Mattha W., Springfield, Mass. Nonskid tire chain which is permanently attached to the wheels. 1,786,229; Dec. 23.
- Conroy, John S., Kalgoorlie, Western Australia, Australia. Device for the guidance of persons being taught motor driving. 1,747,105; Feb. 11.
- Conservation Corporation of America. (See Rice, George E., assignor.)
- Consolidated Aircraft Corporation. (See Gwinn, J. M., jr., and Oversmith, assignors.)
- Consolidated Aircraft Corporation. (See Gwinn, M., jr., assignor.)
- Consolidated Aircraft Corporation. (See Hebert, Edward, assignor.)
- Consolidated Ashcroft Hancock Company. (See Helse, Otto W., assignor.)
- Consolidated Ashcroft Hancock Company. (See Hopkins, Frank H., assignor.)
- Consolidated Ashcroft Hancock Company. (See Ileman, Emil A., assignor.)
- Consolidated Ashcroft Hancock Company. (See Nelson, A. J., and Neel, assignors.)
- Consolidated Automatic Merchandising Corporation. (See Du Grenier, Arthur H., assignor.)
- Consolidated Automatic Merchandising Corporation. (See Woods, Harold B., assignor.)
- Consolidated Car-Heating Company. (See Hawley, Cornell S., assignor.)
- Consolidated Car-Heating Company. (See Hyatt, Louis C., assignor.)
- Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
- Consolidated Expanded Metal Companies, The. (See Herbest, Thomas R., assignor.)
- Consolidated Expanded Metal Companies, The. (See Herbest, T. R., and Hoffman, assignors.)
- Consolidated Iron-Steel Manufacturing Company, The. (See Kahn, Isaac T., assignor.)
- Consolidated Iron-Steel Manufacturing Company. (See Luton, John K., assignor.)
- Consolidated Machine Tool Corporation of America. (See Metzger, Claude W., assignor.)
- Consolidated Machine Tool Corporation of America. (See Roberts, R. R., and Forward, assignors.)
- Consolidated Machine Tool Corporation of America. (See Trosch, Alfred, assignor.)
- Consolidated Mining and Smelting Company of Canada, Limited, The. (See Blaylock, S. G., Finland, and Lee, assignors.)
- Consolidated Mining and Smelting Company of Canada, Limited, The. (See Blaylock, S. G., Lee, and McIntyre, assignors.)
- Consolidated Safety Pin Company. (See Hagel, Albert, assignor.)
- Consolidated Steel Corporation. (See Kimbell, James F., assignor.)
- Consolidated Trimming Corporation. (See Klahre, Theodore, assignor.)
- Consolidation Coal Products Company. (See McIntire, Charles V., assignor.)
- Consort, Herbert A., H. L. Matthes, and A. G. Wuest, assignors to The Wels Manufacturing Company, Monroe, Mich. Visible index system. 1,765,568; June 24.
- Consortium für Elektrochemische Industrie. (See Herrmann, W. O., and Baum, assignors.)
- Consortium für Elektrochemische Industrie. (See Herrmann, W. O., and Haehnel, assignors.)
- Consortium für Elektrochemische Industrie G. m. b. H. (See Herrmann, W. O., and Deutsch, assignors.)
- Constabel, Arthur A., Norristown, Pa., assignor to The Bailey, Banks & Biddle Company, Philadelphia, Pa. Ring. Des. 80,935; Apr. 15.
- Constabel, Arthur A., Norristown, assignor to The Bailey Banks & Biddle Company, Philadelphia, Pa. Ring. Des. 82,930; Dec. 30.
- Constable Charles E., assignor to The National Marking Machine Company, Cincinnati, Ohio. Bag holder. 1,781,164; Nov. 11.
- Constable, Charles E., assignor to The National Marking Machine Company, Cincinnati, Ohio. Spiral conveyer device for packages and coat hangers. 1,783,272; Dec. 9.
- Constable, Charles E., assignor to The National Marking Machine Company, Cincinnati, Ohio. Bundle-transferring device for conveyers. 1,784,273; Dec. 9.
- Constant, C. L., Company. (See Stewart, Alexander, assignor.)
- Constantator Co., The. (See Spillane, James D., assignor.)
- Constantin, Louis, Paris, assignor of one-half to P. Fortier-Beaulieu, Roanne, Loire, France. Control mechanism for air turbines. 1,757,039; May 6.
- Constantin, Louis, Paris, France, assignor to E. B. Wilford, Philadelphia, Pa. Wind-vane device for various applications. 1,777,282; Oct. 7.
- Constantin, Louis, Paris, assignor of one-half to P. Fortier-Beaulieu, Roanne, France. Electric generating plant operated by windmill power. 1,778,793; Oct. 21.
- Constantin, Louis, Paris, assignor of one-half to P. Fortier-Beaulieu, Roanne, Loire, France. Windmill regulator. 1,778,794; Oct. 21.
- Construction Machinery Company. (See Rosendahl, Nils M., assignor.)
- Contact Filtration Company. (See Benjamin, V. C., and Prutzman, assignors.)
- Contact Filtration Company. (See Bent, Franklin A., assignor.)
- Contact Filtration Company. (See Carpenter, I. C., and Moorman, assignors.)
- Contact Filtration Company. (See Prutzman, P. W., and Benjamin, assignors.)
- Container Corporation of America. (See Kelly, Harve L., assignor.)
- Container Corporation of America. (See Nemoede, Paul A., assignor.)
- Container Corporation of America. (See Walter, Harrison B., assignor.)
- Contal, Camille, St. Cloud, France. Unoxidizable alloy. 1,771,773; July 29.
- Contal, Camille St. Cloud, and P. Kretzly, Paris, France. Electric drilling apparatus. 1,768,119; June 24.
- Conti, Antonio M., Yonkers, N. Y. Automatic train-control system. 1,775,422; Sept. 9.
- Continental Can Company. (See Aulbach, Charles J., assignor.)

- Continental Can Company. (See Aulbach, C. J., and Anderson, assignors.)
- Continental Can Company. (See Bratt, J. E., and Boyd, assignors.)
- Continental Can Company. (See Coyle, John, assignor.)
- Continental Can Company. (See Coyle, J., and Plumb, assignors.)
- Continental Can Company. (See Coyle, J., Tallafiero, and Schmitt, assignors.)
- Continental Can Company. (See Dougan, John R., assignor.)
- Continental Can Company. (See Fink, Henry A., assignor.)
- Continental Can Company. (See Flook, George, assignor.)
- Continental Can Company. (See Hartman, George F., assignor.)
- Continental Can Company. (See Hays, Henry C., assignor.)
- Continental Can Company. (See Hodgson, William W., assignor.)
- Continental Can Company. (See Kronquest Alfred L., assignor.)
- Continental Can Company. (See O'Brien, Frank J., assignor.)
- Continental Can Company. (See O'Brien, F. J., and Punte, assignors.)
- Continental Can Company. (See O'Neil, James H., assignor.)
- Continental Can Company. (See Pahl, Frederick A., assignor.)
- Continental Can Company. (See Pahl, F. A., and Fluk, assignors.)
- Continental Can Company. (See Punte, William F., assignor.)
- Continental Can Company. (See Renshaw, Joseph H., assignor.)
- Continental Can Company. (See Schaal, Norbert J., assignor.)
- Continental Can Company. (See Schrader, Herbert, assignor.)
- Continental Can Company. (See Smith, William B., assignor.)
- Continental Can Company. (See Tomkins, Walter M., assignor.)
- Continental Can Co. Inc. (See Coyle, John, assignor.)
- Continental-Diamond Company. (See Tarr, Lester W., assignor.)
- Continental-Diamond Fibre Company. (See Bengt, Frank H., assignor.)
- Continental Diamond Fibre Company. (See Frederick, Louis T., assignor.)
- Continental-Diamond Fibre Company. (See Haas, Paul C., assignor.)
- Continental Diamond Fibre Company. (See Landt, G. E., and Adams, assignors.)
- Continental-Diamond Fibre Company. (See McIntosh, James, assignor.)
- Continental-Diamond Fibre Company. (See Taylor, J. M., Jacobs, and Titus, assignors.)
- Continental Gin Company. (See Elliott, Thomas, assignor.)
- Continental Motors Corporation. (See Blackinton, George W., assignor.)
- Continental Motors Corporation. (See Kalb, Lewis P., assignor.)
- Continental Motors Corporation. (See Kreis, Oscar C., assignor.)
- Continental Motors Corporation. (See Lundborg, G. L., and Israel, assignors.)
- Continental Motors Corporation. (See Meyer, Andre J., assignor.)
- Continental Motors Corporation. (See Niven, Archie M., assignor.)
- Continental Motors Corporation. (See Willh, Albert B., assignor.)
- Continental Motors Corporation. (See Wolfe, H. M., and Nichol, assignors.)
- Continental Oil Company. (See Miller, Walter, assignor.)
- Continental Oil Company. (See Porter, Frank, assignor.)
- Continental Oil Company. (See Stephenson, Bird R., assignor.)
- Continental Optical Frame Company. (See Grom, Henry W., assignor.)
- Continental Optical Frame Company. (See Kosh, Abe, assignor.)
- Continental Optical Manufacturing Company. (See Durgen, Edgar R., assignor.)
- Continental Optical Manufacturing Company. (See Gagnon, Leo O., assignor.)
- Continental Optical Manufacturing Company. (See Roth, Henry, assignor.)
- Continental Paper and Bag Corporation. (See Moon, Doreen G., assignor.)
- Continental Tool Works. (See Markstrum, John A., assignor.)
- Continuous Rail Crossing Corporation. (See Whalen, William H., assignor.)
- Continuous Torque Transmission Company. (See Ahlm, Charles E. F., assignor.)
- Continuous Train Control Corporation. (See Clark, Thomas E., and J. E., assignors.)
- Contreau, Pierre L., Paris, France. Watch-fastening device. 1,770,462; July 15.
- Contri, Giovanni D., Milan, Italy. Mechanical damper. 1,774,788; Sept. 2.
- Convenience Products Corporation. (See Weis, John A., assignor.)
- Converse, John O., Minneapolis, Minn. Control and docking device for valves. 1,742,495; Jan. 7.
- Converse Rubber Company. (See Paterson, Morton L., assignor.)
- Conway, Alfred A., Cincinnati, Ohio. Friction clutch. 1,745,079; Jan. 28.
- Conway, Bert, assignor to General Motors Corporation, Detroit, Mich. Machine for cutting brake linings. 1,757,415; May 6.
- Conway, Francis J., Pottsville, Pa. Propeller. 1,746,145; Feb. 4.
- Conway, H. M., et al. (See Shotts, William A., assignor.)
- Conway, Irvin M., and T. M. Lawson, assignors to Journal-Box Servicing Corporation, Indianapolis, Ind. Machine for cleaning journal-box waste. 1,783,407; Dec. 2.
- Conway, J. S., et al. (See Shotts, William A., assignor.)
- Coogan Concrete Machinery Company Ltd. (See Coogan, Stephen H., assignor.)
- Coogan, Stephen H., assignor to Coogan Concrete Machinery Company Ltd., Elsinore, Calif. Machine for making concrete pipes. 1,785,298; Dec. 16.
- Cook, A. D., Inc. (See Patton, Herbert F., assignor.)
- Cook, A. D., Inc. (See Willers, George E., assignor.)
- Cook, Adoniram J., Westerlo, N. Y. Rail anticreeper. 1,746,820; Feb. 11.
- Cook, Albert, Brooklyn, N. Y. Electric lock. 1,774,636; Sept. 2.
- Cook, Anthony, Logan, Ohio. Combination cooker and roaster. 1,749,527; Mar. 4.
- Cook, Bernard, Roanoke, Va. Gauge cock for steam boilers. 1,761,467; June 3.
- Cook, Calvin, assignor to Pierce Governor Company, Anderson, Ind. Automatic governor. 1,759,936; May 27.
- Cook, Calvin P., Arlington, Mass., assignor to Swift and Company, Chicago, Ill. Pork-loin brander. 1,781,367; Nov. 11.
- Cook, Charles A., Redditch, England, assignor to Henry Wilkes & Company, Limited. Line-supporting ring for fishing rods. 1,781,569; Nov. 11.
- Cook, Charles B., Los Angeles, Calif. Liquid-bath apparatus. 1,754,612; Apr. 15.
- Cook, Charles D. (See Stafford, G. A., and Cook.)
- Cook, Charles G., Portsmouth, N. H. Loud-speaker. 1,762,050; June 3.
- Cook, Charles J., Detroit, Mich. Magazine and clip holder. 1,756,877; Apr. 29.
- Cook, Charles L., Louisville, Ky. Packing ring. 1,747,929; Feb. 18.
- Cook, Clarence P., assignor to Scovill Manufacturing Company, Waterbury, Conn. Sprinkler top for containers. 1,756,422; Apr. 29.
- Cook & Co., Manchester, Limited. (See Collins, Thomas, assignor.)
- Cook, David B., assignor to Acme Road Machinery Company, Frankfort, N. Y. Road vehicle. 1,751,074; Mar. 18.
- Cook, David B., assignor to Acme Road Machinery Company, Frankfort, N. Y. Road machinery. 1,783,009; Nov. 25.
- Cook, Egbert C., Puente, Calif. Turntable. 1,753,550; Apr. 8.
- Cook Electric Company. (See Folds, G. R., and Persons, assignors.)
- Cook Electric Company. (See Persons, Lawrence M., assignor.)
- Cook, Ellsworth D., Flushing, N. Y., assignor to General Electric Company. Synchronizing reproducing apparatus. 1,775,019; Sept. 2.
- Cook, Emma K., St. Louis, Mo. Fan protector. 1,751,793; Mar. 25.
- Cook, Everett J., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Window-control mechanism. 1,747,427; Feb. 18.
- Cook, Frederick, Holland Centre, Ontario, Canada. Wrench. 1,776,465; Sept. 23.
- Cook, George E., Jackson Heights, N. Y. Gas-treating apparatus. 1,772,746; Aug. 12.
- Cook, Hal L., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Making collets. 1,743,116; Jan. 14.
- Cook, Hal L., Cleveland Heights, assignor to The Rotor Air Tool Company, Cleveland, Ohio. Governor for fluid-pressure motors. 1,759,641; May 20.
- Cook, Harry A., Dixon, Nebr. Advertising device. 1,776,182; Sept. 16.
- Cook, Harvey S., Valparaiso, Ind., assignor to Cook Laboratories, Inc. Medicament-dispensing cartridge. 1,783,956; Dec. 9.
- Cook, Henry, assignor of one-half to F. C. Morrow, Wellston, Ohio. Waste retainer for journal boxes. 1,746,461; Feb. 11.
- Cook, Herbert R., assignor to Jefferson Electric Company, Chicago, Ill. Conduit clamp for an outlet box. 1,783,356; Dec. 2.
- Cook, Herbert R., assignor to Jefferson Electric Company, Chicago, Ill. Universal clamp for outlet boxes. 1,783,408; Dec. 2.
- Cook, Herbert R., assignor to Jefferson Electric Company, Chicago, Ill. Combined conduit clamping and bushing device. 1,783,409; Dec. 2.
- Cook, Horace F. (See Robinson, J. T., and Cook.)

- Cook, Hugh M., New York, N. Y., and L. R. Rogers, Cottage Hill, Fla., assignors to Wailes Dove-Hermiston Corporation, New York, N. Y. Apparatus for coating pipes. 1,775,487; Sept. 9.
- Cook, Irving L., Gillett, Wis. Developing rack. 1,747,930; Feb. 18.
- Cook, James M., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-working apparatus. 1,764,606; June 17.
- Cook, James M., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Screw-threading apparatus. 1,764,607; June 17.
- Cook, Joel R., assignor to Radiant Laboratories, Inc., Cleveland, Ohio. Switch. 1,768,572; July 1.
- Cook, Joel R., assignor to Domestic Electric Company, Cleveland, Ohio. Electric switch. 1,781,441; Nov. 11.
- Cook, John F., jr., Detroit, Mich. Aerofoil. 1,766,107; June 24.
- Cook, John, Muncie, Ind. Smoker stand. 1,771,248; July 22.
- Cook, John T., St. Paul, Minn. Plasterer's brush or the like. 1,780,340; Nov. 4.
- Cook, John W., Topeka, Kans. Telephone and telegraph circuits. 1,749,416; Mar. 4.
- Cook, John W., Miami, Fla. Drill rig. 1,763,552; June 10.
- Cook, Joshua. (See Woodcock, R. B., and Cook.)
- Cook, L. D., Kansas City, Mo. Storage garage. 1,782,410; Nov. 25.
- Cook Laboratories, Inc. (See Bre Miller, Clifford E., assignor.)
- Cook Laboratories, Inc. (See Cook, Harvey S., assignor.)
- Cook Laboratories, Inc. (See Hoskins, Everett L., assignor.)
- Cook, Lawrence H., Menlo Park, assignor to J. T. Lemos, Palo Alto, Calif. Textile crayon process. 1,764,006; June 17.
- Cook, Lawrence L., Indianapolis, Ind. Amusement device. 1,782,163; Nov. 18.
- Cook, Percy E., Warren, Ohio, assignor, by mesne assignments, to American Brown Boveri Electric Corporation, New York, N. Y. Switch. 1,769,108; July 1.
- Cook Pottery Company, The. (See Lovett, Charles H., assignor.)
- Cook, Roland M. (See Gordon, A. A., and Cook.)
- Cook, Stanley G., Auburn, Nebr. Heating stove. 1,767,963; June 24.
- Cook, Stanley S. (See Parsons, C. A., and Cook.)
- Cook, Thomas R., and D. N. Smith, assignors to The Hudson Coal Company, Scranton, Pa. Mine-hoist alarm switch. 1,761,708; June 3.
- Cook, Walter J., Geneva, N. Y. Pneumatic draft regulator. 1,770,588; July 15.
- Cook, Walter M., Ludlow, Vt., assignor to International Combustion Engineering Corporation, New York, N. Y. Mechanical separator. 1,783,357; Dec. 2.
- Cook, Willard G., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,753,983; Apr. 8.
- Cook, William B., Mexico, Mo. Motor-vehicle holddown. 1,759,733; May 20.
- Cook, William E., assignor to General Cable Corporation, New York, N. Y. Braiding machine. 1,757,794; May 6.
- Cook, William J., Berwyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming outlets. 1,765,404; June 24.
- Cooke, Allen B., Danville, assignor to United Autographic Register Company, Chicago, Ill. Autographic register. 1,767,204; June 24.
- Cooke, Allen B., Danville, assignor to United Autographic Register Company, Chicago, Ill. Autographic register. 1,767,205; June 24.
- Cooke, Allen B., Danville, assignor to United Autographic Register Company, Chicago, Ill. Autographic register. 1,767,784; June 24.
- Cooke & Cobb Company, The. (See Doughty, George E., assignor.)
- Cooke, George T., South Norwalk, Conn. Cotter-pin-locking means. Re17,729; July 15.
- Cooke, George W., Forest Hills, N. Y., assignor, by mesne assignments, to Allied Die-Casting Corporation, Long Island City, N. Y. Grease nozzle. 1,781,681; Nov. 18.
- Cooke, Hugh J. D., London, England. Beverage mixer. 1,765,129; June 17.
- Cooke, John M., Revere, Mass., assignor to N. W. Mathey. Machine for applying adhesive tape to fabrics. 1,747,147; Feb. 11.
- Cooke, John M., Revere, assignor to N. W. Mathey, Lynn, Mass. Skiving machine. 1,771,208; July 22.
- Cooke, John W., North Wilmington, Mass. Shoe. 1,776,106; Sept. 16.
- Cooke, Maurice B., Plainfield, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Process and apparatus for fractional distillation. 1,744,261; Jan. 21.
- Cooke, Maurice B., Plainfield, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Fractionating system. 1,748,411; Feb. 25.
- Cooke, Maurice B., Plainfield, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Fractionation. 1,748,508; Feb. 25.
- Cooke, Milton W., Pittsburgh, Pa., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,749,209; Mar. 4.
- Cooke, Samuel B. (See Gray, C. E., and Cooke.)
- Cooke, Thomas S., and J. E. Rouse, Casper, Wyo., assignors to Standard Oil Company, Whiting, Ind. Storage of oils. 1,783,701; Dec. 2.
- Cooke, Troughton & Simms Limited. (See Baker, T. Y., and Cheshire, assignors.)
- Cookson, Wilfred A., Freeport, Me. Mud-guard attachment. 1,754,147; Apr. 8.
- Cool, Buol F. (See Cool, Paul L. and B. F.)
- Cool, Paul L. and B. F., assignors of 52 per cent to H. McDaniel, Council Bluffs, Iowa. Timer for cream testers. 1,780,377; Nov. 4.
- Cool, Ulysses M. (See Bean, W. G., and Cool.)
- Coolbaugh, Melville F., and J. B. Read, Golden, Colo., assignors to Complex Ores Recoveries Company. Roasting ores and minerals. 1,744,867; Jan. 28.
- Cooley, Austin G., New York, N. Y. Relay-locking means. 1,742,235; Jan. 7.
- Cooley, Edward H., Cambridge, Mass. Article of furniture. 1,776,551; Sept. 23.
- Cooley, John L. (See Maker, F. L., Cooley, and Tuttle.)
- Cooley, John W., et al. (See Cowle, Frederick E., assignor.)
- Coolidge, Joseph R., 3d. (See Cutler, R. W., and Coolidge.)
- Coolidge, Joseph R., 3d, Brookline, Mass., assignor to Montan, Inc., Boston, Mass. Impregnated wood and process of treating wood. 1,766,606; June 24.
- Cooling and Air Conditioning Corporation. (See Fleisher, Walter L., assignor.)
- Cooling Tower Co., Inc., The. (See Coffey, Barton H., assignor.)
- Cooling Tower Co., The. (See Phillips, Louis A., assignor.)
- Coombs, Fred H., Lynn, assignor to Forbes Lithograph Manufacturing Company, Boston, Mass. Box. 1,743,709; Jan. 14.
- Coomes, Bernard J., Algonquin, Ill. Apparatus for reducing gravel to sand. 1,774,318; Aug. 26.
- Coon, Chester C., Oakland, Calif. Wire clamp. 1,777,391; Oct. 7.
- Coon, Leslie E. (See Burns, L. J., and Coon.)
- Coon, Louis M., Denison, Iowa. Railway-track structure. 1,743,598; Jan. 14.
- Coon, Oscar M., Lubbock, Tex. Fuel burner. 1,784,927; Dec. 16.
- Cooney, Charles W., Waukegan, Ill. Grave form. 1,773,591; Aug. 19.
- Cooney, Frank B., assignor to The American Crayon Company, Sandusky, Ohio. Bottle closure. 1,747,889; Feb. 18.
- Cooney, John A., assignor of one-fourth to H. F. Quinlan, Tulsa, Okla. Rotary bit. 1,774,084; Aug. 26.
- Cooney, John T., Reseda, Calif. Toy. 1,762,051; June 3.
- Cooney, Peter A., Chicago, Ill., assignor, by mesne assignments, to Electrecorder Corporation, Dover, Del. Method of and apparatus for measuring production. 1,746,638; Feb. 11.
- Cooney, Robert F., et al. (See Gregovsky, Joseph A., assignor.)
- Cooney, Thomas F., Las Cruces, N. Mex. Airplane. 1,785,477; Dec. 16.
- Coons, Arthur M., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,774,171; Aug. 26.
- Coons, Henry A. (See Thomas, G. B., and Coons.)
- Coons, Perry T., Montclair, N. J., and G. H. Rose, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Concrete reinforcement support. 1,780,463; Nov. 4.
- Coons, Uzal E., assignor of one-half to C. J. Koepke, Chicago, Ill. Air extractor for pumps. 1,769,109; July 1.
- Cooper, Albert J., Finchley, London, England. Hinged joint. 1,771,289; July 22.
- Cooper, Arthur, et al., executors. (See Chace, William M.)
- Cooper-Bessemer Corporation. (See Murray, Harry D., assignor.)
- Cooper, Dexter P., Eastport, Me. System and utilizing tidal energy. 1,760,632; May 27.
- Cooper, Duluth G., Honolulu, Hawaii. Valve-operating mechanism. 1,763,640; June 17.
- Cooper, Earl, assignor to Chambers, Bering, Quinlan Company, Decatur, Ill. Bushing. 1,786,826; Dec. 30.
- Cooper, Edward B., Elkins Park, Pa. Cleaner. 1,745,355; Feb. 4.
- Cooper, Elisha H. (See Searles, R. R., and Cooper.)
- Cooper, Ernest E., St. Stephens, Ala. Coin-controlled liquid-dispensing apparatus. 1,752,150; Mar. 25.
- Cooper, Ethel A. (See Erhardt, Fred, assignor.)
- Cooper, Eugene W., et al. (See Van Leunen, Edgar, assignor.)
- Cooper, George, assignor to Joshua Tetley & Son, Limited, Leeds, England. Filter press. 1,743,117; Jan. 14.
- Cooper Hewitt Electric Company. (See Hughes, William A., assignor.)
- Cooper Hewitt Electric Company. (See Walker, Warren R., assignor.)
- Cooper, Hugh S., Cleveland, Ohio, assignor to Beryllium Corporation of America. Production of beryllium. 1,775,589; Sept. 9.
- Cooper, Israel W., New York, N. Y. Pin hinge. 1,765,131; June 17.
- Cooper, Jacob B., Park Ridge, N. J. Conduit cap. 1,774,357; Aug. 26.
- Cooper, James F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Fabric for breather bags. 1,785,674; Dec. 16.

- Cooper, James H., Chicago, Ill. Cotton picker. 1,753,919; Apr. 8.
- Cooper, John J., London, England, assignor to Underwood Elliott Fisher Company, New York, N. Y. Sheet-guiding arrangements for typewriting machines. 1,743,655; Jan. 14.
- Cooper, John P., Tofino, British Columbia, Canada. Food container. 1,757,448; May 6.
- Cooper, Joseph, New York, N. Y. Automatic extensible table. 1,752,065; Mar. 25.
- Cooper, Joseph, New York, N. Y. Slide for automatic extensible tables. 1,778,418; Oct. 14.
- Cooper, Kenneth F., Great Neck, assignor to American Cyanamid Company, New York, N. Y. Fumigating compound and producing the same. 1,754,148; Apr. 8.
- Cooper, Kenneth F., Great Neck, N. Y., and W. Moore, Rutherford, N. J., assignors to American Cyanamid Company, New York, N. Y. Insecticide barrier. 1,762,610; June 10.
- Cooper, Leonard St. C., Hollywood, Calif. Foldable box. 1,755,470; Apr. 22.
- Cooper, Olive, and D. H. Rountree, Berkeley, Calif. Package carrier. 1,769,418; July 1.
- Cooper, Peter, Corporation. (See Campbell, Charles H., assignor.)
- Cooper, Ruth J., Dallas, Tex. Rice-cooking device. 1,764,039; June 17.
- Cooper, Simon. (See Douglass, G. L., and Cooper.)
- Cooper, Simon, assignor to Cooper Tea Packet Company, Brooklyn, N. Y. Cloth folder. 1,762,612; June 10.
- Cooper, Simon, assignor to Cooper Tea Packet Co., Inc., Brooklyn, N. Y. Tea-measuring machine. 1,774,354; Aug. 26.
- Cooper, Simon, Brooklyn, N. Y. Sostenuo piano. 1,780,670; Nov. 4.
- Cooper Tea Packet Co. (See Cooper, Simon, assignor.)
- Cooper, Warren E., New York, N. Y., and F. K. Habenicht, assignors to Western Railway Equipment Company, St. Louis, Mo. Placard holder for tank cars. 1,750,091; Mar. 11.
- Cooper, William, and S. H. Mullikin, Van Nuys, Calif. Saw-sharpening machine. 1,762,854; June 10.
- Cooper, William D., St. Paul, Minn. Telegraphic transmitting instrument. 1,785,072; Dec. 16.
- Cooper, William L., Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Cooking stove. Des. 80,564; Feb. 25.
- Cooper, William L., Kankakee, assignor to Sears Roebuck and Co., Chicago, Ill. Cooking stove. 1,742,199; Jan. 7.
- Cooper, William L., Kankakee, Ill., assignor to Florence Stove Company, Boston, Mass. Oil heating stove. 1,784,000; Dec. 9.
- Cooper, William L., and L. D. Fortier, Kankakee, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill. Liquid-fuel stove. 1,787,189; Dec. 30.
- Cooper, William R., Huntingdon, Quebec, Canada, and H. Quick, New York, N. Y. Snap hook. 1,782,379; Nov. 18.
- Co-operative Foundry Co. (See MacInnes, Robert H., assignor.)
- Coopersmith, Esther. (See Coopersmith, Rudolph, assignor.)
- Coopersmith, Rudolph, Chicago, Ill., assignor, by mesne assignments, to Esther Coopersmith, St. Louis, Mo. Folding bed. 1,770,603; July 15.
- Coors, H. F., Company. (See Coors, Herman F., assignor.)
- Coors, Herman F., Los Angeles, assignor to H. F. Coors Company, Inc., Inglewood, Calif. Method of forming securing means on the rims of jars. 1,771,618; July 29.
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Material conveyer for furnaces. 1,756,584; Apr. 29.
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Roller-hearth furnace. 1,764,007; June 17.
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Resistor grid. 1,767,171; June 24.
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Resistor grid and supporting same. 1,767,172; June 24.
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Continuous bar-heat-treating furnace. 1,770,842; July 15.
- Cope, Joseph H., Denver, Colo. Extension haystacker. 1,773,302; Aug. 19.
- Cope, Joseph H., Denver, Colo. Extension hay stacker. 1,774,052; Aug. 26.
- Cope, Raymond M., Chicago, Ill., assignor of one-tenth to C. Veneman and of forty-five one-hundredths to W. A. Jackson. Vending machine. 1,742,581; Jan. 7.
- Cope, Seth A., San Francisco, Calif. Metal riser and nosing for concrete steps. 1,753,234; Apr. 8.
- Cope Swift Company, The. (See Pierce, Hodgson S., assignor.)
- Copeland, Clint M., Marland, Okla. Beam hanger. 1,761,658; June 3.
- Copeland, Francis C., San Francisco, Calif. Dispenser and lighter for cigarettes and cigars. 1,774,131; Aug. 26.
- Copeland, H. B., et al. (See Block, Joseph, assignor.)
- Copeland, Hiram B., Birchwood, assignor of one-third to H. G. Loftis, Algood, Tenn. Traffic signal. 1,744,107; Jan. 21.
- Copeland Products, Inc. (See Brysselbout, Henri A., assignor.)
- Copeland Products, Inc. (See Little, Thomas J., jr., as signor.)
- Copeland Products, Inc. (See Mason, George W., as signor.)
- Copeland Products Inc. (See Muffy, Glenn, assignor.)
- Copeland Products, Inc. (See West, Frank R., assignor.)
- Copeland, Robert J. (See Bloore, Ernest J., assignor.)
- Copeland, Robert J., Toronto, Ontario, Canada. Attachment for loose-leaf binders. 1,771,619; July 29.
- Copeland, William A., Boston, Mass., assignor to International Shoe Company, St. Louis, Mo. Sole-waxing machine. 1,757,449; May 6.
- Copelin, Leonard S., Compton, Calif. Reciprocating core drill. 1,766,108; June 24.
- Copelin, Leonard S., Los Angeles, Calif. Rotary core drill. 1,773,171; Aug. 19.
- Copelin, Leonard S., Los Angeles, Calif. Core-drill construction. 1,775,889; Sept. 16.
- Copell, Daniel, Atlantic City, N. J. Burglarproof lock. 1,783,905; Dec. 2.
- Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerating unit. 1,744,038; Jan. 21.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Method of refrigerator manufacture. 1,757,450; May 6.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Water cooler. 1,771,433; July 29.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Sharp-freezing container. 1,777,483; Oct. 7.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerator cabinet. 1,777,786; Oct. 7.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerator. 1,777,787; Oct. 7.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerating unit of fired ceramic material. 1,781,778; Nov. 18.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Method and apparatus for positioning and sealing ice-cream cans in ice-cream cabinets. 1,786,827; Dec. 30.
- Copes, Louis G. (See Hamilton, J. C., Thurman, and Copes.)
- Cope-Swift Company Incorporated. (See Anderson, George C., assignor.)
- Copithorn, Walter E., Natick, Mass. Smoker's pipe. 1,780,866; Nov. 4.
- Copland, Alexander W., deceased, by Detroit & Security Trust Company, Detroit, Mich., assignee, and M. I. Mathewson, Providence, R. I., assignors to Detroit & Security Trust Company, Detroit, Mich. Truing gears. Re17,884; Nov. 25.
- Coplands, Myer, London, England. Stable salicylate composition. 1,764,933; June 17.
- Coplen, Donald G., Seattle, Wash. Safety equipment for aircraft. 1,782,134; Nov. 18.
- Copley, Duncan M., and J. P. Snyder, assignors to The Norwich Pharmacal Company, Norwich, N. Y. Mercury compound of meta cresol. 1,782,090; Nov. 18.
- Copony, Alfred, Mount Clemens, assignor to Copony Auto Loading Company, Detroit, Mich. Vehicle decking device for freight cars and the like. 1,745,982; Feb. 4.
- Copony, Alfred, Mount Clemens, assignor to Copony Auto Loading Company, Detroit, Mich. Loading or decking device for automobiles in freight cars. 1,749,758; Mar. 11.
- Copony, Alfred, Mount Clemens, assignor to Copony Auto Loading Company, Detroit, Mich. Decking device. 1,761,103; June 3.
- Copony, Alfred, Mount Clemens, assignor to Copony Auto Loading Company, Detroit, Mich. Decking device for freight cars. 1,786,735; Dec. 30.
- Copony, Alfred, Mount Clemens, assignor to Copony Auto Loading Company, Detroit, Mich. Decking device for freight cars. 1,786,736; Dec. 30.
- Copony Auto Loading Company. (See Copony, Alfred, assignor.)
- Coppage, John W., Franklin Park, Ill. Wheel-flange lubricator. 1,780,464; Nov. 4.
- Coppée, Evence, Brussels, Belgium. Coke oven. 1,775,191; Sept. 9.
- Coppée, Evence, Brussels, Belgium. Coke oven. 1,775,192; Sept. 9.
- Copper Plate Sheet and Tube Company. (See Clarke, Alexander F., assignor.)
- Copper Plate Sheet and Tube Company. (See Knapp, Edwin R., assignor.)
- Copper Plate Sheet and Tube Company. (See Watkins, William E., assignor.)
- Copper W Id Company. (See McCrery, H. E., and Jesser, assignors.)
- Copperweld Steel Company. (See McCrery, H. E., and Jesser, assignors.)
- Coppock, Kenneth E., assignor to Locke & Company, Rochester, N. Y. Automobile body. 1,778,356; Oct. 14.
- Coppola, August, New York, N. Y. Shade roller. 1,775,814; Sept. 16.
- Corazzo, Stephen, New York, N. Y. Alarming device. 1,772,859; Aug. 12.

- Corbett, Alfred, Irwin, Pa., assignor to Westinghouse Electric & Mfg. Company. Circuit breaker. 1,750,298; Mar. 11.
- Corbett, Alfred, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Contact for channel-brush switches. 1,765,569; June 24.
- Corbett, Alfred H. (See Pounds, H., and Corbett.)
- Corbett, Daniel C. (See Guthmann, E. B., and Corbett.)
- Corbett, Edwin P. (See Bell, William D., assignor.)
- Corbett, John A., assignor to Robert Love Estate, Limited, Honolulu, Hawaii. Box or similar article of manufacture. Des. 80,720; Mar. 18.
- Corbett, John A., assignor to Robert Love Estate, Limited, Honolulu, Hawaii. Box cover or similar article of manufacture. Des. 80,780; Mar. 25.
- Corbi, Joseph L., assignor of one-third to V. Galotta, Washington, D. C., and one-third to H. Pizzutiello, Bronx, N. Y. Shirt. 1,753,551; Apr. 8.
- Corbi, Joseph L., assignor of one-third to V. Galotta, Washington, D. C., and one-third to H. Pizzutiello, Bronx, N. Y. Shirt. 1,762,913; June 10.
- Corbin, Elbert A., jr. (See Brown, W. A., and Corbin.)
- Corbo, Giuseppe, Camden, N. J. Lock for windows and doors. 1,767,435; June 24.
- Corby, Robert L., and G. R. Fennema, New York, N. Y. Baking oven. 1,779,962; Oct. 28.
- Corby, Robert L., New York, and G. R. Fennema, Freeport, N. Y. Baking oven. 1,779,963; Oct. 28.
- Corcoran, Daniel P., Gridley, Calif. Signal device. 1,753,364; Apr. 8.
- Corcoran, George E., Lawrence, N. Y. Rudder. 1,777,912; Oct. 7.
- Corcoran Manufacturing Company, The. (See Burrowes, Gilbert C., assignor.)
- Corcoran, Patrick, Memphis, Tenn. Scaffold lift. 1,775,236; Sept. 9.
- Corda, Attilio. (See Ferretti, A., and Corda.)
- Cordani, Charles, Brooklyn, N. Y. Cigarette case. 1,746,030; Feb. 4.
- Cordell, Henry, Wilmette, and J. R. Blackhall, Highland Park, Ill., said Cordell, assignor to said Blackhall. Car-washing machine. 1,783,074; Nov. 25.
- Cordell, Henry, Wilmette, and E. P. Shultis, Waukegan, assignors to U. S. Sanitary Specialties Corporation, Chicago, Ill. Soap-dispensing apparatus. 1,761,875; June 3.
- Cordley, Christopher M., New Canaan, Conn., assignor to Cordley & Hayes, New York, N. Y. Beverage-dispensing apparatus. Des. 80,781; Mar. 25.
- Cordley, Christopher M., Greenwich, Conn., assignor to Cordley & Hayes, New York, N. Y. Liquid-dispensing apparatus. Des. 81,178; May 20.
- Cordley & Hayes. (See Cordley, Christopher M., assignor.)
- Cordo-Hyde Company. (See Eddins, S. A., and Hannigan, assignors.)
- Cordonnier, Harold J., and C. H. Ziler, Carthage, Mo. Coffin-lowering device. 1,780,700; Nov. 4.
- Cordrey, Hancil, Chula Vista, Calif. Catch. 1,777,074; Sept. 30.
- Cordsen, Henry N., Kansas City, Mo., assignor to Springless Shade Company, Wichita, Kans. Shade bracket. 1,744,682; Jan. 21.
- Cordy, Henry J., and W. J. Burgoyne, Sulphide, Ontario, Canada, assignors to General Chemical Company, New York, N. Y. Roasting fines. 1,758,188; May 13.
- Core, Joe, Selma, assignor of one-sixth to P. E. Ussery and one-sixth to E. Barrett, Georgetown, and one-sixth to G. W. Smith, Rochelle, La. Noiseless railway crossing. 1,748,867; Feb. 25.
- Corey, Charles, & Son, Incorporated. (See Feder, Joseph B., assignor.)
- Corey, Claud M., Belton, Mo., assignor of one-half to J. D. Judd, Martin City, Mo. Water drip for gas wells. 1,768,889; July 1.
- Corey, Fred B., Barberton, Ohio. Heat-responsive device. 1,748,330; Feb. 25.
- Corey, Percival C., assignor of one-third to J. C. Massey and one-third to C. Wallace, Jr., Los Angeles, Calif. Trip casing spear oil-well rotary fishing tool. 1,765,864; June 24.
- Corff, Edward V. (See Endsley, L. E., and Corff.)
- Cork, Herbert V., Chicago, Ill. Machine for screwing couplings on pipe. 1,765,825; June 24.
- Corlett, William A. (See Bines, W. H., and Corlett.)
- Corley, Buren L., San Francisco, Calif. Appliance for treatment of diseases. 1,770,069; July 8.
- Corliss, Edwin M. S., Buffalo, N. Y. Escapement device for submarines. 1,773,807; Aug. 26.
- Cormay, Walter J., Auburndale, Mass. Fixture support and making the same. 1,760,117; May 27.
- Cormier, Alfred J. (See Slocombe, G. C., and Cormier.)
- Cormier, Gustave J., Seminole, Okla. Crown block. 1,749,906; Mar. 11.
- Corn, James O., Columbia, S. C. Harness-control mechanism for pattern weaving. 1,752,237; Mar. 25.
- Cornelius, John W., assignor to General Mill Equipment Company, Kansas City, Mo. Conditioning grain. 1,750,508; Mar. 11.
- Cornelius, Lee R., near Danville, assignor of one-half to W. P. Winther, Danville, Ill. Artificial bait. 1,762,914; June 10.
- Cornelius, Louis A., assignor to Wolverine Brass Works, Grand Rapids, Mich. Valve. 1,750,462; Mar. 11.
- Cornelius, Richard L., Paso Robles, Calif. Dispensing device. 1,754,084; Apr. 8.
- Cornelius, William F., and H. Jacobs, Birmingham, Ala. Insect trap. 1,751,130; Mar. 18.
- Cornell, Edward S., jr., Watertown, assignor to Chase Companies, Incorporated, Waterbury, Conn. Hose clamp. 1,776,783; Sept. 30.
- Cornell, Elwood N., Hempstead, N. Y., assignor to The Middletown Silver Company, Middletown, Conn. Pot or similar article. Des. 80,257; Jan. 7.
- Cornell, Fritz G., jr., Caldwell, assignor, by mesne assignments, to Jensen Creamery Machinery Company, Inc., Bloomfield, N. J. Apparatus for heating and cooling liquids. 1,759,440; May 20.
- Cornell, Harry L., and M. H. McPartland, assignors to General Ice Cream Corporation, Binghamton, N. Y. Ice-cream-cartoning apparatus. 1,748,111; Feb. 25.
- Cornell, John E. (See Bates, A. M., and Cornell.)
- Cornell, John E., assignor, by mesne assignments, to Bates Valve Bag Corporation, Chicago, Ill. Multiple-walled bag. 1,752,370; Apr. 1.
- Cornell, John E., and A. J. Verwys, Chicago, Ill., assignors, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Roll-shifting apparatus. 1,747,289; Feb. 18.
- Cornell, Mead, San Francisco, Calif., assignor, by mesne assignments, to Lubrequipment Company. Meter. 1,753,552; Apr. 8.
- Cornell, Mead, San Francisco, Calif., assignor, by mesne assignments, to Lubrequipment Company. Pump. 1,776,416; Sept. 23.
- Cornell Multi-Wall Valve Bag Company. (See Currier, Arthur L., assignor.)
- Cornell, Samuel. (See Dixon, John J., assignor.)
- Cornella, Emanuel, Chicago, Ill. Inverted electric motor. 1,780,867; Nov. 4.
- Corner, Nat P., New York, N. Y. Cooking utensil. 1,776,578; Sept. 23.
- Cornett, Robert M., Kansas City, Mo. Screw-thread cleaner. 1,785,406; Dec. 16.
- Cornetta, Henry C., Boston, Mass. Safety and change-over mechanism for moving-picture-projecting machines. 1,769,772; July 1.
- Cornetta, Henry C., East Boston, Mass., assignor to Coda Appliance Co., Inc., New York, N. Y. Safety attachment for moving-picture projecting machines. 1,766,607; June 24.
- Cornetta, Henry C., East Boston, Mass., assignor to Coda Appliance Co., Inc., New York, N. Y. Protective apparatus for moving-picture-projecting machines. 1,769,771; July 1.
- Cornillat, Joseph M. H., Paris, France. Apparatus for manufacturing zinc white. 1,751,396; Mar. 18.
- Corning, Clarence G., Wildrose, Wis. Post card and envelope counter. 1,755,053; Apr. 15.
- Corning Glass Works. (See Boals, Harry R., assignor.)
- Corning Glass Works. (See Githler, Charles E., assignor.)
- Corning Glass Works. (See Gray, David E., assignor.)
- Corning Glass Works. (See Gray, D. E., and Crites, assignors.)
- Corning Glass Works. (See Hood, Harrison P., assignor.)
- Corning Glass Works. (See Leiby, States L., assignor.)
- Corning Glass Works. (See Marshall, Albert E., assignor.)
- Corning Glass Works. (See Smith, Rowland D., assignor.)
- Corning Glass Works. (See Taylor, William C., assignor.)
- Cornish, Gus S., assignor to The Cincinnati Patent Engineering Company, Cincinnati, Ohio. Radiocircuits. 1,759,937; May 27.
- Cornish, Harry B. (See Spencer, G. A. B., and Cornish.)
- Cornner, Asa F., and G. W. K. King, Coffeyville, Kans., assignors of five-eighths to R. T. Osborne, New York, N. Y., one-fourth to said Cornner, and one-eighth to said King. Device for prevention of fires in oil stills. 1,775,847; Sept. 16.
- Cornog, Adelaide V. E., et al. (See Spicer, John P., assignor.)
- Cornog, Albin H., et al. (See Spicer, John P., assignor.)
- Corns, Thomas, Richmond, Victoria, Australia. Apparatus for manufacturing pies. 1,752,837; Apr. 1.
- Cornstalk Products Company. (See Darling, Elton R., assignor.)
- Cornstalk Products Company. (See Dorner, Béla, assignor.)
- Cornuelle, George, Cincinnati, Ohio. Bricklayer's scaffolding. 1,742,236; Jan. 7.
- Cornwell, Arthur L., Wellsville, N. Y. Wheel puller. 1,764,243; June 17.
- Cornwell, Edwin T., and F. W., London, England. Antidazzle spectacles. 1,752,889; Apr. 1.
- Cornwell, Frederick W. (See Cornwell, Edwin T. and F. W.)
- Cornwell, Ralph E., Pasadena, Calif. Rotary engine. 1,784,578; Dec. 9.
- Cornwell, Virgil O., assignor to The Federal Glass Company, Columbus, Ohio. Manufacture of stemmed and footed glassware. 1,775,632; Sept. 16.
- Coronel, Ciriaco Y., Manila, P. I. Magnetic pick up for phonographs. 1,777,036; Sept. 30.
- Corporation of Frankfurter Gasgesellschaft, The. (See Schumacher, Ernst, assignor.)
- Corporon, George J., Portland, Me. Table-leg latch. 1,785,616; Dec. 16.
- Corporon, George J., assignor to The E. T. Burrowes Company, Portland, Me. Adjustable window screen. 1,781,654; Nov. 11.
- Corrall, Herbert, Oakfield, Helensburgh, and J. Heggie, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine presser device. 1,745,152; Jan. 28.

- Correa, Frank M., Honolulu, Hawaii. Bedding clamp. 1,760,346; May 27.
- Correll, Charles J., et al. (See Marx, Louis, assignor.)
- Correns, Erich. (See Hubert, E., Röst-Grande, and Correns.)
- Corrigan, George W., Los Angeles, Calif. Railway crosstie. 1,760,231; May 27.
- Corrigan, Paul S., San Diego, Calif. Casement-window fastener. 1,747,290; Feb. 18.
- Corser, John. (See Sardeson, R., LaMere, and Corser.)
- Corson, Esek O., Berkeley, Calif. Double-action sprayer. 1,746,524; Feb. 11.
- Corson, Harry P., Lakewood, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Inhibitor. 1,742,986; Jan. 7.
- Corson, Harry P., Lakewood, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Flux for use in soldering. 1,785,180; Dec. 16.
- Corson, Harry P., Lakewood, and R. E. Lawrence, Wickliffe, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Cleaning metal articles. 1,773,953; Aug. 26.
- Corson, Harry P., Lakewood, and E. S. Ridler, Shaker Heights, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Soft soldering flux. 1,785,181; Dec. 16.
- Corson, Michael G., Jackson Heights, N. Y. Refining (degasifying and deoxidizing) of copper. 1,769,986; July 8.
- Corson, Michael G., Jackson Heights, N. Y. Lead alloy amenable to hardening by heat treatment. 1,780,261; Nov. 4.
- Corson, William L. (See Davison, D., and Corson.)
- Cortese, Nicholas. (See Richards, J., and Cortese.)
- Corwin, Howard D. (See Fox, W. R., and Corwin.)
- Cory, Charles & Son, Incorporated. (See Blanchard, Arthur D., assignor.)
- Cory, Charles, & Son, Incorporated. (See Jones, Joseph S., assignor.)
- Cory, Marcus M., San Diego, Calif. Internal-combustion engine. 1,758,429; May 13.
- Cory, Tany, New York, N. Y. Seed-remover for grapefruit. 1,774,355; Aug. 26.
- Coryell, Charles N., New York, N. Y. Vanity case. 1,754,981; Apr. 15.
- Coryell, Charles N., Mamaroneck, N. Y. Polygon vanity case. 1,760,481; May 27.
- Coryell, Charles N., Mamaroneck, N. Y. Vanity case. 1,761,615; June 3.
- Coryell, Charles N., Mamaroneck, assignor to E. M. Dalley, Larchmont, N. Y. Compact pan for vanity cases. 1,742,342; Jan. 7.
- Coryell, Charles N., Mamaroneck, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Toilet article. 1,749,565; Mar. 4.
- Coscioni, Vincenzo, Cleveland, Ohio. Adjustable plant holder. 1,771,207; July 22.
- Cosgrave, Austin B., Beachwood, N. J., assignor to The Gamevell Company, Newton Upper Falls, Mass. Sound-producing device. 1,777,283; Oct. 7.
- Cosgrove, Caroline E., administratrix. (See Cosgrove, John W.)
- Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,775,087; Sept. 9.
- Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rack. 1,776,417; Sept. 23.
- Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,778,184; Oct. 14.
- Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,780,341; Nov. 4.
- Cosgrove, John W., deceased, by C. E. Cosgrove, administratrix, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,780,342; Nov. 4.
- Coshockton Glove Co., The. (See McKinley, Melvin, assignor.)
- Cosin, Joseph J., Newark, N. J. Combined set of powder puffs and container therefor. Des. 81,050; Apr. 29.
- Coslow, Carl W. (See John K. B., Coslow, and Schwindt.)
- Cosper, Cecil, Walla Walla, Wash. Self-cleaning hutch. 1,764,151; June 17.
- Cos Process Company, The. (See Chase, M. F., Pierce, and Skogmark, assignors.)
- Cossey, John C. G. (See Mitchell, J., and Cossey.)
- Costanzo, Louis, Omaha, Nebr. Necktie. 1,772,575; Aug. 12.
- Costello, Annie, et al., executors. (See Costello, John.)
- Costello, Elizabeth R., et al., administrators. (See Costello, William, jr.)
- Costello Engineering Company. (See Kneass, Strickland, jr., assignor.)
- Costello, Henry O., Providence, R. I. Exercising apparatus. 1,753,309; Apr. 8.
- Costello, Henry O., Providence, R. I. Exercising ball and support therefor. 1,753,310; Apr. 8.
- Costello, James F., San Francisco, Calif. Scaffold raising and lowering device. 1,751,131; Mar. 18.
- Costello, John, deceased, Philadelphia, Pa.; A. Costello and W. Costello, executors. Bit for taper boring. 1,770,354; July 8.
- Costello, John L., et al., administrators. (See Costello, William, jr.)
- Costello, Joseph A., assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio. Hose and pipe coupling. 1,770,570; July 15.
- Costello, William, et al., executors. (See Costello, John.)
- Costello, William, jr., deceased, Philadelphia, Pa., E. R. Costello and J. L. Costello, administrators, assignors to National Biscuit Company, New York, N. Y. Feeding mechanism. 1,762,764; June 10.
- Costello, William F. (See Coates, J. H., Howe, and Costello.)
- Costello, William H., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Controller for motor-driven devices. 1,742,434; Jan. 7.
- Costellow, Earle H. (See Dempsey, E. J., and Costellow.)
- Costenbader, Frank L., Richmond, Va. Antiglare spectacles. 1,772,825; Aug. 12.
- Costner, John C., Lowell, N. C. Needle board. 1,745,294; Jan. 28.
- Costume, Jacob A., and H. E. Bauer, New York, and C. L. Lovercheck, Brooklyn, assignors to International Taximeter Corporation, New York, N. Y. Taximeter. 1,780,780; Nov. 4.
- Cote, Edward J. (See Gauvette, A. J., and Cote.)
- Cotta, Charles, and C. R. Marthinus, Rockford, Ill., assignors to said C. Cotta. Transmission. 1,778,970; Oct. 21.
- Cott-A-Lap Company, The. (See Jones, Alfred, assignor.)
- Cotten, Caleb, Salt Lake City, Utah, and I. P. Duncan, Los Angeles, Calif., assignors to said I. P. Duncan, as trustee. Can opener. 1,766,109; June 24.
- Cotter, Edward J., Hannibal, Mo. Expansible piston. 1,743,323; Jan. 14.
- Cotter, John R., New York, N. Y. Adjustable handle. 1,771,325; July 22.
- Cotter, William F., assignor to American Bosch Magneto Corporation, Springfield, Mass. Automatically-operated pick-up switch. 1,756,815; Apr. 29.
- Cotton Buckle & Tag Co. (See McKinney, William H., jr., assignor.)
- Cotton, Frederick S., London, England. Airplane skid. 1,784,274; Dec. 9.
- Cotton, Harold H., Rochester, N. Y. Book-index notcher and printer. 1,764,828; June 17.
- Cotton Harvester Corporation of America. (See Berry, Hiram N., assignor.)
- Cotton, Miles P., assignor to Ellis-Cotton Limited, Vancouver, British Columbia, Canada. Internal-pipe-painting device. 1,746,071; Feb. 4.
- Cotton, Walter H. (See Cardwell, J. R., and Cotton.)
- Cotton, Walter H., Chicago, Ill. Lubricating device. 1,782,135; Nov. 18.
- Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,755,429; Apr. 22.
- Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,774,085; Aug. 26.
- Cotton, William, Höchst-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Producing fast-colored resists under aniline black. 1,765,658; June 24.
- Cotton, William J., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Separation of mononitronaphthalene disulphonic acids. 1,756,537; Apr. 29.
- Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
- Cottrell, C. B., & Sons Company. (See Cottrell, Calvert B., 3d, assignor.)
- Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Bed and cylinder printing press. 1,773,094; Aug. 19.
- Cottrell, Calvert B., 3d, assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Bed and cylinder printing press. 1,773,095; Aug. 19.
- Cottrell, William F., and J. McAuliffe, Denver, Colo. Airplane wing. 1,758,355; May 13.
- Cottringer, Francis L., Williamsport, Pa. Summary register attachment for autographic registers. 1,770,733; July 15.
- Coty, Alfred C., and T. E. Coty, Watertown, N. Y. Paper-bag bottomer. 1,770,972; July 22.
- Coty, Inc. (See Tourtois, Fernand, assignor.)
- Coty, Thomas E. (See Coty, Alfred C. and T. E.)
- Couch, Buel, Sioux City, Iowa. Animal trap. 1,742,187; Jan. 7.
- Couch, Edward H., and I. W. Robinson, Shinnston, W. Va. Windshield cleaner. 1,743,599; Jan. 14.
- Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Side frame and journal box. 1,748,209; Feb. 25.
- Couch, Glenn F., Rochester, assignor to The Gould Coupler Company, Depew, N. Y. Truck pedestal. 1,774,476; Aug. 26.
- Couch, H. F., et al. (See Chenault, George N., assignor.)
- Couch, John. (See Bigbee, C. L., and Couch.)
- Coufal, Joseph F., and H. A. Smith, New York, N. Y. Electric sign. 1,782,564; Nov. 25.
- Coulling, James O. B., Flushing, and P. N. Rylander, Pelham, assignors to Otato Corporation, New York, N. Y. Desiccating apparatus. 1,778,310; Oct. 14.
- Coulombe, Joseph C., Kokomo, Ind. Oil pump for internal-combustion engines. 1,757,514; May 6.
- Coulombe, Joseph C., Kokomo, Ind. Fuel-feeding apparatus. 1,763,628; June 10.

- Coulombe, Joseph C., Kokomo, Ind. Fuel-feeding and carbureting system. 1,771,986; Aug. 5.
- Couls, George R., Detroit, Mich. High-speed tool-steel alloy. 1,756,282; Apr. 29.
- Coulson, Edwin, Chiswick, London, England. Knife-grinding mechanism for use with slicing machines. 1,780,868; Nov. 4.
- Coulston, Earl V., Shaker Heights, Ohio. Base member for use with cooking vessels. 1,785,182; Dec. 16.
- Coultas, Dwight W., Cranston, R. I. Buckle. Des. 82,727; Dec. 9.
- Coultas, Wilbur J. (See Paradise, L. A., and Coultas.)
- Coulter, Chester M. (See Blankenstein, E. E., and Coulter.)
- Coulter, Clarence D., assignor to Southwestern Engineering Corporation, Los Angeles, Calif. Absorption process. 1,759,346; May 20.
- Coulter, Guy H., Highland Park, assignor to Monogram Lens Corporation, Detroit, Mich. Bulb-adjuster. 1,747,858; Feb. 18.
- Coulter, Guy H., Highland Park, assignor to Monogram Lens Corporation, Detroit, Mich. Light-bulb-adjusting device. 1,747,859; Feb. 18.
- Coulter, Guy H., Highland Park, Mich., assignor to Monogram Lens Corporation, New York, N. Y. Bulb adjuster. 1,768,667; July 1.
- Coulter, Guy H., Highland Park, assignor to Monogram Lens Corporation, Detroit, Mich. Lamp-adjusting mechanism. 1,772,770; Aug. 12.
- Coulter, Hugh A., Winnipeg, Manitoba, Canada. Automobile signaling device. 1,745,659; Feb. 4.
- Coulter, Hugh A., Winnipeg, Manitoba, Canada. Automobile signal. 1,762,288; June 10.
- Coulter, John H. (See Smith, D. R. C., and Coulter.)
- Coulter, Samuel P., Muncie, Ind. Water-tube boiler. 1,767,173; June 24.
- Coulter, Walter G., Bovina Center, N. Y. Distributing machine. 1,744,613; Jan. 21.
- Coulter, William, Burslem, England. Press and/or process for the manufacture of teapot spouts or like articles of pottery. 1,773,447; Aug. 19.
- Countryman, Guy A., Ashland, Ohio, assignor, by mesne assignments, to Elite Manufacturing Company. Brake-setting tool. 1,776,579; Sept. 23.
- Coupland, Richard C., Dayton, Ohio. Synchronized control system for machine guns. 1,770,125; July 8.
- Coupland, Richard C., Dayton, Ohio. Ammunition feed box and belt for machine guns. 1,772,826; Aug. 12.
- Coupland, Richard C., U. S. Army, Norfolk, Va. Synchronized control system for machine guns. 1,750,706; Mar. 18.
- Coups, Charles A., assignor to Eastwood Wire Manufacturing Company, Belleville, N. J. Loom. 1,744,212; Jan. 21.
- Couratin, Julien, Par Clion, France. Spring suspension for cycle and motor-cycle saddles. 1,758,736; May 13.
- Courenq, Jean B., Los Angeles, Calif. Air gun. 1,747,348; Feb. 18.
- Coursey, Philip R., Richmond, England, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,754,265; Apr. 15.
- Court, Benjamin F., Long Beach, Calif. Combination knife and scissors. 1,771,031; July 22.
- Courtaulds, Limited. (See Glover, W. H., and Diamond, assignors.)
- Courtaulds Limited. (See Hegan, H. J., and Hazeley, assignors.)
- Courtenay, Frederic D., East Orange, N. J., assignor to Embosograf Corporation of America, New York, N. Y. Easel frame. Des. 81,744; Aug. 5.
- Courter, Andrew L., Paterson, N. J., assignor to C. K. Eagle & Co., Inc., New York, N. Y. Decorative fabric. Des. 82,728; Dec. 9.
- Courter, Andrew L., Paterson, N. J., assignor to C. K. Eagle & Co., Inc., New York, N. Y. Decorative fabric. Des. 82,729; Dec. 9.
- Courter, Andrew L., Paterson, N. J., assignor to C. K. Eagle & Co., Inc., New York, N. Y. Decorative fabric. Des. 82,730; Dec. 9.
- Courter, Andrew L., Paterson, N. J., assignor to C. K. Eagle & Co., Inc., New York, N. Y. Decorative fabric. Des. 82,731; Dec. 9.
- Courter, Andrew L., Paterson, N. J., assignor to C. K. Eagle & Co., Inc., New York, N. Y. Decorative fabric. Des. 82,732; Dec. 9.
- Courtney, Benjamin B., New Orleans, La. Surgical saddle. 1,768,397; June 24.
- Courtney, Michael J., Chicago, Ill. Tree-lighting fixture. 1,750,923; Mar. 18.
- Courtney, R. A. (See Laird, James A., assignor.)
- Courtot, Louis, Paris, France, assignor to American Radiator Company, New York, N. Y. Combined boiler and kitchen range. 1,744,039; Jan. 21.
- Courtot, Louis, Paris, France, assignor to American Radiator Company, New York, N. Y. Radiator. 1,752,785; Apr. 1.
- Courtot, Louis, Paris, France, assignor to American Radiator Company, New York, N. Y. Low-pressure boiler. 1,760,399; May 27.
- Courtot, Louis, Paris, France, assignor to American Radiator Company, New York, N. Y. Radiator. 1,770,070; July 8.
- Couse, Kibbey W. (See Christie, H. E., and Couse.)
- Cousineau, Ernest V., Chicopee, Mass. Pipe cutter. 1,773,096; Aug. 19.
- Cousino, Walter P., Detroit, Mich. Carburetor air control. 1,749,873; Mar. 11.
- Cousins, George T., New Rochelle, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Forging mechanism. 1,747,888; Feb. 18.
- Cousins, Van M., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum-tube circuits. 1,767,964; June 24.
- Coutant, George E., Decatur, Ill. Car construction. 1,749,874; Mar. 11.
- Coutant, George E., Decatur, Ill. Railway-car side door. 1,775,848; Sept. 16.
- Coutant, Jay G., assignor to W. C. Drake, E. B. Priebe, and H. Buchert, New York, N. Y. Treatment of furnace gases. 1,773,954; Aug. 26.
- Coutchure, Wencel L., et al. (See Gilligan, J. P., and Whitmore, assignors.)
- Couture, Albert J. (See Couture, R., and A. J. Flynn.)
- Couture, Marie G., Concord, N. H. Adjustable garment form. 1,773,955; Aug. 26.
- Couture, Marie G., Concord, N. H. Measuring harness. 1,784,888; Dec. 16.
- Couture, Marie G., Concord, N. H. Pattern-cutting harness. 1,784,889; Dec. 16.
- Couture, Romain, Somersworth, N. H., and A. J. Couture, Cambridge, and G. B. Flynn, Boston, Mass.; said Flynn assignor to said R. and said A. J. Couture. Swivel connector for electric wires. 1,743,118; Jan. 14.
- Covel-Hanchett Co. (See Benedict, Frederic K., assignor.)
- Covell, Ernest G., assignor to Cameo Refrigerator Corporation, Los Angeles, Calif. Folding seat. 1,754,501; Apr. 15.
- Covello, Sabatino, Cleveland, Ohio. Cake mixer. 1,776,348; Sept. 23.
- Coventry, Alick H. S., Pietermaritzburg, Natal, South Africa. Cultivator. 1,745,009; Jan. 28.
- Cover & Company. (See Johns, Harold E., assignor.)
- Cover, Harry C., assignor of one-half to L. M. Hendler, Baltimore, Md. Cylinder for ice-cream freezers. 1,742,900; Jan. 7.
- Covert Manufacturing Company. (See Baxter, John B., assignor.)
- Covert, Martin B., Holland, Mich. Reconditioning poppet-valve engines. 1,759,096; May 20.
- Coviello, Anthony, Denver, Colo. Signal-light casing. Des. 80,829; Apr. 1.
- Covino, Isaac, West New York, N. J. Aircraft. 1,754,817; Apr. 15.
- Cowan, Archibald D., assignor to Patent Novelty Company, Fulton, Ill. Toy whistling clown. Des. 80,878; Apr. 8.
- Cowan, George W., Bartlett, Ill. Air-brake system for railway rolling stock. 1,764,152; June 17.
- Cowan, James D., Summit, assignor to The National Lock Washer Company, Newark, N. J. Compression rail-joint spring. 1,779,802; Oct. 28.
- Cowan, Lewis L. (See Tilton, Edwin W., assignor.)
- Cowan, Pierre G. (See Teall, C. F., and Cowan.)
- Cowan Potteries Studio Company, The. (See Cowan, R. Guy, assignor.)
- Cowan, R. Guy, Lakewood, Ohio. Counter. Des. 81,684; July 29.
- Cowan, R. Guy, Lakewood, Ohio. Counter. Des. 81,685; July 29.
- Cowan, R. Guy, Lakewood, Ohio. Counter. Des. 81,686; July 29.
- Cowan, R. Guy, Lakewood, Ohio. Counter. Des. 81,687; July 29.
- Cowan, R. Guy, Lakewood, assignor to The Cowan Potteries Studio Company, Rocky River, Ohio. Table decoration. 1,774,358; Aug. 26.
- Coward, William J., Lakeland, Fla., assignor of one-half to C. H. Phillips, Binghamton, N. Y. Time-controlled switch. 1,767,347; June 24.
- Cowardin, Harry A. (See Cowardin, Samuel P. and H. A.)
- Cowardin, Harry A., Marion, Ohio, assignor of one-half to S. P. Cowardin, Richmond, Va. Oil-supply-controlling device. 1,742,459; Jan. 7.
- Cowardin, Harry A., Marion, Ohio, assignor of one-half to S. P. Cowardin, Richmond, Va. Oil-relay governor. 1,747,468; Feb. 18.
- Cowardin, Samuel P. (See Cowardin, Harry A., assignor.)
- Cowardin, Samuel P. and H. A., Richmond, Va. Fuel atomizer. 1,771,875; July 29.
- Cowart, Marion B., Tampa, Fla. Aeroplane brake. 1,778,753; Oct. 21.
- Cowburn, Frederick C., Gosport, England. Roller bearing. 1,785,617; Dec. 16.
- Cowdery, Arthur B., Needham, Mass., assignor to The Barrett Company. Product and process for rubber compounding. 1,743,433; Jan. 14.
- Cowdery, Robert H., Geneva, Ohio, assignor to The American Fork & Hoe Company. Fishing rod. Des. 80,990; Apr. 15.
- Cowdery, Robert H., Geneva, and W. D. Grimes, assignors to The American Fork & Hoe Company, Cleveland, Ohio. Fishing rod and making same. 1,755,159; Apr. 15.
- Cowdrey, Charles F., Fitchburg, Mass., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc. Brake-testing device for automobiles. Re17,677; May 27.
- Cowdrey, Charles F., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., Fitchburg, Mass. Automobile brake-testing machine. 1,767,348; June 24.
- Cowdrey, George W., Los Angeles, Calif. Bathing suit. 1,781,271; Nov. 11.
- Cowell, Frederick R. (See Aylwin, E. A., and Cowell.)

- Cowell, Robert F., Teaneck, N. J., assignor to International Motor Company, New York, N. Y. Shock-insulator drawbar. 1,743,119; Jan. 14.
- Cowell, Robert F., Teaneck, N. J., assignor to International Motor Company, New York, N. Y. Shock-insulator drawbar. 1,754,309; Apr. 15.
- Cowell, Robert F., Teaneck, N. J., assignor to International Motor Company, New York, N. Y. Chassis-unit support. 1,778,024; Oct. 14.
- Cowell, Robert F., Teaneck, N. J., assignor to International Motor Company, New York, N. Y. Nonmetallic coupling. 1,779,663; Oct. 28.
- Cowell, Robert F., Teaneck, N. J., assignor to International Motor Company, New York, N. Y. Shock-insulated union and pipe strap. 1,783,410; Dec. 2.
- Cowell, Robert F., Teaneck, N. J., and R. W. Davis, Flushing, assignors to International Motor Company, New York, N. Y. Machine-unit support. 1,754,308; Apr. 15.
- Cowen, Anne, New York, N. Y. Bed lamp. 1,750,993; Mar. 18.
- Cowen, Joshua L., assignor to The Lionel Corporation, New York, N. Y. Track connector. 1,742,200; Jan. 7.
- Cowen, Max, New York, N. Y. Riding breeches. 1,771,916; July 29.
- Cowen, Robert I., New York, N. Y. Colored and tinted parchment paper and the like and manufacture of the same. 1,780,616; Nov. 4.
- Cowherd, Frank F., Chicago, Ill. Internal-combustion-engine-cleaning device. 1,787,360; Dec. 30.
- Cowie, Florence, London, England. Film-winding mechanism for cinematograph apparatus. 1,751,192; Mar. 18.
- Cowle, Frederick E., assignor of one-third to D. S. Bone and one-third to J. W. Cooley, San Diego, Calif. Piston-expanding means. 1,745,336; Jan. 28.
- Cowle, Paul W. (See Lannert, W. H. J., and Cowle.)
- Cowles, Alfred H., Sewaren, N. J., assignor to The Electric Smelting & Aluminum Company, Cleveland, Ohio. Detergent and preparing same. 1,745,844; Feb. 4.
- Cowles, Alfred H., Sewaren, N. J., assignor to The Electric Smelting & Aluminum Company, Cleveland, Ohio. Detergent and producing the same. 1,774,872; Sept. 2.
- Cowles, Edwin, Short Hills, assignor to Cowles Engineering Corporation, Sewaren, N. J. Pump. 1,749,323; Mar. 4.
- Cowles Engineering Corporation. (See Cowles, Edwin, assignor.)
- Cowles, Harry L., New York, N. Y. Incinerator. 1,771,209; July 22.
- Cowles, Irving, assignor to Union Bank of Chicago, Chicago, Ill. Gas-heated device. 1,744,448; Jan. 21.
- Cowles, Irving, assignor to Union Bank of Chicago, trustee, Chicago, Ill. Force-feed lubricating device. 1,752,975; Apr. 1.
- Cowles, Irving, Detroit, Mich., assignor to Union Bank of Chicago, trustee, Chicago, Ill. Flexible conduit assembly and making same. 1,752,976; Apr. 1.
- Cowles, Irving, Detroit, Mich., assignor to Union Bank of Chicago, trustee, Chicago, Ill. Self-heating device such as soldering irons. 1,753,741; Apr. 8.
- Cowles, William T., et al., executors. (See Chappell, Fred B.)
- Cowley, Edwin F., assignor of one-half to W. E. Brandt, Cleveland, Ohio. Shock absorber means for vehicles. 1,755,685; Apr. 22.
- Cowley, James A., Springfield, Mass., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Testing machine. 1,758,688; May 13.
- Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Laundering apparatus. 1,757,417; May 6.
- Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Terminal for pneumatic dispatch systems. 1,769,676; July 1.
- Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Dispatch-system terminal. 1,769,677; July 1.
- Cowley, James T., and L. C. Allen, assignors to The Lamson Company, Syracuse, N. Y. Automatic conveyor. 1,757,416; May 6.
- Cowley, James T., Syracuse, N. Y., and W. J. Taylor, Winthrop Harbor, Ill., assignors to The Lamson Company, Syracuse, N. Y. Conveyor system. 1,781,655; Nov. 11.
- Cox, Abram, Company. (See Mott, Abram C., jr., assignor.)
- Cox, Beltrum M., Detroit, Mich. Automatic starting mechanism for automobile engines. 1,744,868; Jan. 28.
- Cox, Cary S., Fresno, Calif. Pressure fruit grinder. 1,780,067; Oct. 28.
- Cox, Charles F., Omaha, Nebr. Glare protector. 1,766,884; June 24.
- Cox, Charles P., Toledo, Ohio. Kitchen utensil. 1,746,072; Feb. 4.
- Cox, Clarion G. (See Jarvis, Henry M., assignor.)
- Cox, Cyril C., Denver, Colo. Door-closing device. 1,775,849; Sept. 16.
- Cox, David C., Pittsfield, Mass., assignor to General Electric Company. Reclaiming oil. 1,752,238; Mar. 25.
- Cox, Ella, Magnolia, N. C. Insertable grate for box stoves. 1,763,641; June 17.
- Cox, Ernest H., Duncan, Okla. Packer for well-testing devices. 1,771,556; July 29.
- Cox, Ernest H., Duncan, Okla. Oil-well-testing device. 1,786,897; Dec. 30.
- Cox, Frederick A., Chicago, Ill. Door latch. 1,782,289; Nov. 18.
- Cox, Fulton J., Albuquerque, N. Mex. Four-cycle internal-combustion engine. 1,776,215; Sept. 16.
- Cox, George B., Wray, Colo. Railroad tie. 1,747,054; Feb. 11.
- Cox, George C., and H. K. McIntyre, deceased; E. M. McIntyre, executrix, Raleigh, N. C.; J. G. McIntyre, New York, N. Y., and M. McIntyre, Cranford, N. J., executors. Furnace for reducing metals. 1,753,822; Apr. 8.
- Cox, George C. and H. K. McIntyre, deceased, by E. M. McIntyre, executrix, Raleigh, N. C.; J. G. McIntyre, New York, N. Y., and M. McIntyre, Cranford, N. J., executors. Glass purification. 1,785,888; Dec. 23.
- Cox, George D., Philadelphia, Pa. Memorandum ticket for telephone service. 1,784,813; Dec. 16.
- Cox, George D., Philadelphia, Pa. Telephone-installer's omnibus number sign card. 1,784,814; Dec. 16.
- Cox, George S., and H. J. Almstedt, assignors to Argyle Production Company, St. Louis, Mo. Dispensing device. 1,773,723; Aug. 26.
- Cox, Harold E. (See Trencham, H., Heath, Hamlyn, and Cox.)
- Cox, Harold N., Glen Ridge, N. J., assignor to Cox Multi-Color Photo Company, Pittsburgh, Pa. Lens system for color photography. 1,762,144; June 10.
- Cox, Harold N., Glen Ridge, N. J., assignor to Cox Multi-Color Photo Company. Optical system. 1,778,754; Oct. 21.
- Cox, Harold N., Glen Ridge, N. J., assignor to Cox Multi-Color Photo Company, Pittsburgh, Pa. Apparatus for color photography. 1,781,496; Nov. 11.
- Cox, Hazel H., New York, N. Y. Brassière. 1,771,917; July 29.
- Cox, Henry C., Kew Gardens, N. Y., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Envelope. 1,755,814; Apr. 22.
- Cox, Irwin W., Denver, Colo. Dry-steam finisher. 1,763,761; June 17.
- Cox, James D., Cape May, N. J. Potato-grading machine. 1,783,496; Dec. 2.
- Cox, John L. (See Givens, H. M., Foley, and Cox.)
- Cox, John L., and B. M. Fine, Philadelphia, Pa. Projectile. 1,760,685; May 27.
- Cox, John T., assignor to Brown Company, Berlin, N. H. Flake-forming method. 1,754,266; Apr. 15.
- Cox, John W., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,772,536; Aug. 12.
- Cox, John W., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,772,537; Aug. 12.
- Cox, Jop W., and E. A. Randall, Hot Springs, Ark. Tire tool. 1,768,032; June 24.
- Cox, Joseph D. (See Kalo, Albert assignor.)
- Cox, Joseph L. (See Cox, Paul F. and J. L.)
- Cox, Joseph L., assignor of one-half to P. F. Cox, Chicago, Ill. Web printing press. 1,757,901; May 6.
- Cox, Julian H., Newton, Mass., assignor to The Mechanical Rubber Company. Valve. 1,783,281; Dec. 2.
- Cox, Kenneth, and P. J. McDermott, Parsonage, assignors to Refiners Limited, Manchester, England. Purification of benzol, petrol, and the like. 1,742,343; Jan. 7.
- Cox, Luther, Smackover, Ark. Pipe die. 1,762,652; June 10.
- Cox, Luther, Smackover, Ark. Pipe wrench. 1,763,135; June 10.
- Cox, Maurice C., and R. B. Ryan, Oakland, Calif. Line-boring machine. 1,752,066; Mar. 25.
- Cox Multi-Color Photo Company. (See Cox, Harold N., assignor.)
- Cox, Nostrand & Gunnison, Inc. (See Gunnison, Foster, assignor.)
- Cox, Oliver P., Newburg, Ind. Station announcer. 1,771,774; July 29.
- Cox, Ora C., Chicago, Ill. Check valve. 1,779,421; Oct. 28.
- Cox, Paul F. (See Cox, Joseph L., assignor.)
- Cox, Paul F., assignor to The Goss Printing Press Company, Chicago, Ill. Smut remover for traveling-cylinder web-printing presses. 1,743,656; Jan. 14.
- Cox, Paul F., assignor to The Goss Printing Press Company, Chicago, Ill. Smut remover for traveling-cylinder web-printing presses. 1,758,430; May 13.
- Cox, Paul F., assignor to The Goss Printing Press Company, Chicago, Ill. Multicolor attachment for flat-bed web-printing presses. 1,786,336; Dec. 23.
- Cox, Paul F. and J. L., assignors to The Goss Printing Press Company, Chicago, Ill. Web-looping mechanism for traveling-cylinder web-printing presses. 1,742,756; Jan. 7.
- Cox, Paul F. and J. L., assignors to The Goss Printing Press Company, Chicago, Ill. Traveling cylinder printing press. 1,747,662; Feb. 18.
- Cox, Paul F. and J. L., assignors to The Goss Printing Press Company, Chicago, Ill. Inking mechanism for traveling-cylinder presses. 1,751,029; Mar. 18.
- Cox, Paul F. and J. L., assignors to The Goss Printing Press Company, Chicago, Ill. Throw-off mechanism for traveling cylinder presses. 1,770,843; July 15.
- Cox, Ralph H. (See McCassey, G. L., and Cox.)
- Cox, Samuel F. (See Snow, N. L., and Cox.)
- Cox, Samuel F., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Air-heater cleaner. 1,769,987; July 8.
- Cox, W. E., et al. (See Stainbrook, William H., assignor.)
- Cox, William T., Oklahoma City, Okla. Adjustable universal post top and arm. 1,773,519; Aug. 19.

- Coy, Don W., assignor to Chicago Carton Company, Chicago, Ill. Sheet counting and delivering mechanism for presses and the like. 1,770,973; July 22.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Machine for double-seaming can ends to can bodies. 1,763,458; June 10.
- Coyle, John, Baltimore, Md., assignor to Continental Can Co. Inc., New York, N. Y. Marking device for can-closing machines. 1,783,109; Nov. 25.
- Coyle, John, Baltimore, Md., and W. Plumb, Jersey City, N. J., assignors to Continental Can Company, Inc., New York, N. Y. Can-end-feeding mechanism. 1,750,391; Mar. 11.
- Coyle, John, J. C. Taliaferro, jr., and O. A. Schmitt, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Machine for closing filled cans. 1,767,965; June 24.
- Coyle, Joseph A., Amsterdam, N. Y., assignor, by mesne assignments, to Bigelow-Sanford Carpet Co., Inc. Pile-shearing mechanism for pile-fabric-making looms. 1,775,515; Sept. 9.
- Coyle, Joseph L., London, Ontario, Canada, assignor to E. Banning, trustee, Chicago, Ill. Filler for egg cartons. 1,755,208; Apr. 22.
- Coyle, Joseph L., London, Ontario, Canada, assignor to L. Benoit, Chicago, Ill. Egg carton. 1,784,275; Dec. 9.
- Coyle, Walter, Indianapolis, Ind. Drawbar and slack control for trains. 1,747,226; Feb. 18.
- Coyne, Guy R., Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole laying. 1,768,829; July 1.
- Coyne, Robidoue & Co. (See Robidoue, Samuel F., assignor.)
- Coyte, William A., assignor to J. Lyons and Company, Limited, London, England. Plastic-material measuring and filling machine. 1,752,890; Apr. 1.
- Cozzolino, Donato, Los Angeles, Calif. Stabilizing cereal beverages. 1,766,428; June 24.
- Crabbe, Elmer W. (See Hatfield, M. J., and Crabbe.)
- Crabbs, Herbert J., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Disconnecting switch. 1,745,080; Jan. 28.
- Crabtree, George W., Cleveland Heights, Ohio. Rebound check. 1,778,887; Oct. 21.
- Crabtree, Theodore H. (See Smith, W. F., jr., and Crabtree.)
- Craddock, Frederick L., assignor to Mixing Equipment Company, Inc., Rochester, N. Y. Mixing device. Re17,683; May 27.
- Craddock, John E., Brooklyn, N. Y. Ball-vending machine. 1,786,289; Dec. 23.
- Craft, John D., Evansville, Ind. Refrigerator. 1,748,670; Feb. 25.
- Cragg, Herbert, Ottawa, Ontario, Canada. Oscillating headlight for automobiles. 1,782,290; Nov. 18.
- Cragin, George P., Spokane, Wash. Wardrobe trunk. 1,771,161; July 22.
- Cragin, George P., Spokane, Wash. Wardrobe trunk. 1,771,162; July 22.
- Crago, Paul H., Wilkensburg, Pa., assignor to Cheatham Electric Switching Device Co., Louisville, Ky. Automatic electrically-operated derail. 1,768,668; July 1.
- Crago, Paul H., Wilkensburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train-annunciating apparatus. 1,781,497; Nov. 11.
- Craib, James S., Verdun, Quebec, Canada. Rotary razor-blade strop. 1,768,573; July 1.
- Craig, Alexander, London, England. Device for use in hair waving and curling. 1,759,097; May 20.
- Craig, Alexander, London, England. Apparatus for waving and curling hair. 1,777,075; Sept. 30.
- Craig, Alvin M., New Haven, Conn., assignor to American Gear Shift Company, Inc., New York, N. Y. Gear shifter. 1,755,595; Apr. 22.
- Craig, Alvin M., New Haven, Conn., assignor to Universal Gear Shift Corporation. Valve-control handle and lock for motor cars. 1,760,347; May 27.
- Craig, Arthur S., Kansas City, Mo. Tire-deflation signal. 1,750,509; Mar. 11.
- Craig and Brown Inc. (See Brown, George, assignor.)
- Craig, Charles W., East Cleveland, Ohio, assignor to General Electric Company. Method and apparatus for blowing bulbs. 1,771,954; July 29.
- Craig, David A., assignor of one-half to G. H. D. Sutherland, Ludington, Mich. Antisplash guard. 1,760,193; May 27.
- Craig, Edward, deceased, St. Joseph, Mich.; The Commercial National Bank, executor. Wirebound-box-blank machine. 1,748,975; Mar. 4.
- Craig, Edward, deceased, St. Joseph, Mich.; The Commercial National Bank, executor. Machinery and method for making receptacles. 1,757,294; May 6.
- Craig, Fred G., assignor to The American Brake Company, St. Louis, Mo. Brake cylinder. 1,776,250; Sept. 23.
- Craig, George, Los Angeles, Calif. Temperature regulator. 1,787,146; Dec. 30.
- Craig, George W., Detroit, Mich. Spot and flood lamp. 1,747,754; Feb. 18.
- Craig, John F. N., Broxbourne, England. Swash-plate rotary engine. 1,772,416; Aug. 5.
- Craig, John R. (See Collins, W. H., and Craig.)
- Craig, Ollison. (See Riley, R. S., and Craig.)
- Craig, Palmer H., Cincinnati, Ohio. Electrical measuring instrument. 1,778,795; Oct. 21.
- Craig, Palmer H., Cincinnati, Ohio. System and apparatus employing the ball effect. 1,778,796; Oct. 21.
- Craig, Parley W., Ensley, Ala. Apparatus for proportioning liquids. 1,749,130; Mar. 4.
- Craig, Richard M., San Antonio, Tex. Illuminated sign. 1,770,391; July 15.
- Craig, Richard M., San Antonio, Tex., assignor to Animated Color Advertising, Inc., New York, N. Y. Display apparatus. 1,768,574; July 1.
- Craig, Richard M., San Antonio, Tex., assignor to Animated Color Advertising, Inc., New York, N. Y. Display apparatus. 1,768,575; July 1.
- Craig, Richard M., assignor, by mesne assignments, to T. W. Menefee, San Antonio, Tex. Display apparatus. 1,777,550; Oct. 7.
- Craig, Richard M., assignor, by mesne assignments, to T. W. Menefee, San Antonio, Tex. Display apparatus. 1,777,551; Oct. 7.
- Craig, Richard M., assignor, by mesne assignments, to T. W. Menefee, San Antonio, Tex. Display apparatus. 1,777,552; Oct. 7.
- Craig, Robert, Dayton, Ohio. Storage and handling of motor vehicles. 1,749,324; Mar. 4.
- Craig, Robert, Dayton, Ohio, assignor to International Business Machines Corporation. Metroscopic force-measuring instrument. 1,784,046; Dec. 9.
- Craig, William E., assignor to John A. Roebbling's Sons Company, Trenton, N. J. Tapered wire rope and making the same. 1,786,936; Dec. 30.
- Craig, William P., Shelby, N. C. Thread guide for shuttles. 1,786,602; Dec. 30.
- Craig, John M., Hartford, Conn. Dental impression instrument. 1,764,244; June 17.
- Craig, John M., Hartford, Conn. Dental tool. 1,780,117; Oct. 28.
- Craig, John M., Hartford, Conn., assignor to E. H. Rowan, New York, N. Y. Orthodontic appliance. 1,764,067; June 17.
- Craigon, Adam, Toronto, Ontario, assignor to Craigon Engines Limited, Hamilton, Canada. Internal-combustion engine. 1,756,538; Apr. 29.
- Craigon, Adam, Toronto, Ontario, assignor to Craigon Engines Limited, Hamilton, Canada. Fuel-injection valve. 1,762,611; June 10.
- Craigon, Adam, Toronto, Ontario, assignor to Craigon Engines Limited, Hamilton, Canada. Internal-combustion engine. 1,762,613; June 10.
- Craigon Engines Limited. (See Craigon, Adam, assignor.)
- Crain, Carl, Pasadena, Calif. Meat-tendering device. 1,742,949; Jan. 7.
- Crain, Clay, West Frankfort, Ill. Wheel-attaching device. 1,766,375; June 24.
- Crain, Harrison U., St. Louis, Mo. Closetable folding bed. 1,758,275; May 13.
- Crain, John J., assignor to The Waterbury Tool Company, Waterbury, Conn. Controlling device for ships' steering gears. 1,747,349; Feb. 18.
- Craker, Charles T. (See Clark, R. L., and Craker.)
- Cram, Geo. F., Company. (See Beck, Johnse H., assignor.)
- Cram, Harry O., Bridgeport, Conn. Carburetor. 1,759,040; May 20.
- Cram, Hervey G., assignor to Great Northern Paper Company, Millinocket, Me. Consistency regulator. 1,770,589; July 15.
- Cram, Leroy V., Flint, assignor to General Motors Corporation, Detroit, Mich. Air cleaner. 1,756,909; Apr. 29.
- Cram, Leroy V., Flint, assignor to General Motors Corporation, Detroit, Mich. Muffler. 1,761,971; June 3.
- Cram, Leroy V., and C. W. McKinley, assignors, by mesne assignments, to A C Spark Plug Company, Flint, Mich. Oil-filter installation. 1,768,511; June 24.
- Cramblet, Paul K., Milwaukee, Wis., assignor to Time-O-Stat Controls Company, Elkhart, Ind. Mercury switch. 1,751,544; Mar. 25.
- Cramblet, Paul K., Milwaukee, Wis., assignor to Time-O-Stat Controls Company, Elkhart, Ind. Mercury switch. 1,770,479; July 15.
- Cramer, Albert M., assignor to Horn and Hardart Baking Company, Philadelphia, Pa. Coin mechanism for coin-controlling vending machines. 1,758,652; May 13.
- Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware-annealing leer. 1,763,223; June 10.
- Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Leer feeder. 1,764,153; June 17.
- Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware - annealing leer. 1,771,876; July 29.
- Cramer, Clifford H. (See Milnor, J. W., and Cramer.)
- Cramer, Grant W. (See Rickel, C. E., Cramer, and Haskins.)
- Cramer, Lester G., assignor of one-half to F. Johnson, Petaluma, Calif. Egg-cleaning apparatus. 1,776,784; Sept. 30.
- Cramer, Morris, Cleveland Heights, Ohio. Toy. Des. 82,315; Oct. 21.
- Cramer, Otto P., San Francisco, Calif. Fastener. 1,743,434; Jan. 14.
- Cramer, Otto P., San Francisco, Calif. Latch. 1,764,154; June 17.
- Cramer, R. W., & Company. (See Wyss, A. U., and Kern, assignors.)
- Cramer, Raymond H., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Machine for assembling bearings. 1,758,653; May 13.

- Cramer, Robert E., Brentwood, Pa. Air-heating furnace. 1,755,727; Apr. 22.
- Cramer, Robert E., Pittsburgh, Pa. Oven. 1,763,418; June 10.
- Cramer, Russell E. (See Cramer, Stanley S. and R. E.)
- Cramer, Stanley S., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,780,172; Nov. 4.
- Cramer, Stanley S., Haddon Heights, and R. E. Cramer, Audubon, assignors to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,757,357; May 6.
- Crandall, Albert C., Braintree, Mass. Extension boom for derricks. 1,751,794; Mar. 25.
- Crandall, Gladstone B., Woodstock, Ontario, Canada. Powder-measuring device. 1,746,766; Feb. 11.
- Crandall, Katherine R., Portland, Oreg. Baking device. 1,747,055; Feb. 11.
- Crane & Breed Casket Company, The. (See Bridge, Herbert S., assignor.)
- Crane, Charles A., Winthrop, assignor of one-half to E. G. Wurzburg, Quincy, Mass. Combination polish applying and finishing mitt. 1,782,502; Nov. 25.
- Crane, Charles R., Jr., Chicago, Ill. Closet. Des. 80,606; Mar. 4.
- Crane, Charles R., 2d, Chicago, Ill. Closet. Des. 80,721; Mar. 18.
- Crane, Charles R., 2d., assignor to Crane Co., Chicago, Ill. Tubular shower head. 1,752,633; Apr. 1.
- Crane Co. (See Beckwith, Clinton H., assignor.)
- Crane Co. (See Crane, Charles R., 2d., assignor.)
- Crane Co. (See Dopp, Carl A., assignor.)
- Crane Co. (See Moe, Lawrence H., assignor.)
- Crane Co. (See Spring, Laverne W., assignor.)
- Crane Co. (See Zinkil, Roy H., assignor.)
- Crane Company of Minnesota. (See Hougland, Albert C., assignor.)
- Crane Company of Minnesota. (See Hougland, A. C., and Carlson, assignors.)
- Crane, Edward V., assignor to E. W. Bliss Company, Brooklyn, N. Y. Machine for making spikes. 1,774,915; Sept. 2.
- Crane, Harold C. (See Turnbull, W. G., and Crane.)
- Crane, Joseph B., New York, N. Y., and L. J. Marshall, Westwood, N. J., assignors to International Combustion Engineering Corporation, New York, N. Y. High-pressure-boiler installation. 1,786,828; Dec. 30.
- Crane, Joseph B., Pittsburgh, Pa., assignor to Ladd Water Tube Boiler Company, New York, N. Y. Boiler furnace. 1,760,118; May 27.
- Crane, Edward V., Brooklyn, assignor to E. W. Bliss Company, New York, N. Y. Feed for punching presses. 1,778,824; Oct. 21.
- Crane, Frank G., Montague, Mich., assignor to L. E. Emshemer, Cleveland, Ohio. Making sanitary napkins. 1,773,956; Aug. 26.
- Crane, Fred S., Cleveland, Ohio. Parking automotive vehicles. 1,774,700; Sept. 2.
- Crane, Hubert R., Los Angeles, Calif. Tank ball. 1,777,553; Oct. 7.
- Crane, Newton, assignor to Craneway Diaphragm Company, Boston, Mass. Suppressing secondary vibrations in diaphragms and the like. 1,757,451; May 6.
- Crane Packing Company. (See Cody, Martin M., assignor.)
- Crane, Raymond W., assignor, by mesne assignments, to Skinner Automotive Device Co., Inc., Detroit, Mich. Piston mounting for internal-combustion engines and the like. 1,777,396; Oct. 7.
- Crane, Roland F., Cincinnati, Ohio. Photographic-printing device. 1,780,701; Nov. 4.
- Craneway Diaphragm Company. (See Crane, Newton, assignor.)
- Crank, Millard F., assignor of one-half to A. Blankinship, Yatesville, Ky. Fruit picker. 1,744,614; Jan. 21.
- Crankshaw, William G., Chicago, Ill. Dispensing machine. 1,752,067; Mar. 25.
- Cranmer, George H., Philadelphia, Pa., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction nozzle for vacuum cleaners. 1,778,935; Oct. 21.
- Crannell, Charles W., assignor of one-third to A. C. Barnes, Big Springs, and one-third to A. A. Wolf, Chappell, Neb. Rack for trucks or wagons. 1,758,431; May 13.
- Cranston, Albert E., Spokane, Wash. Corrugated-fastener driving mechanism. 1,767,580; June 24.
- Crapo, John B., East Wakefield, N. H. Clamping device. 1,766,488; June 24.
- Crary, Cecil R., Detroit, Mich. Closure. 1,761,427; June 3.
- Crary, Cecil R., Detroit, Mich. Closure. 1,761,428; June 3.
- Crary, Charles A., Wyoming, Ohio. Cake of soap. Des. 82,777; Dec. 9.
- Crary, Clarence S., Burlingame, Calif. Shingling material. 1,779,694; Oct. 28.
- Crater, Willard de C., Succasunna, N. J., assignor to Hercules Powder Company, Wilmington, Del. Charge for blasting caps. 1,759,565; May 20.
- Crater, Willard S., Columbus, Ohio. Dermatological instrument. 1,765,366; June 24.
- Craven, Alfred B., Selby, England. Manufacture of a solid resin from the semifluid resinous matter extracted from crude gutta-percha and/or balata. 1,751,724; Mar. 25.
- Craven, D. Stewart. (See Armstrong, Francis J., assignor.)
- Craven, George W., assignor to J. S. Schofield's Sons Co., Macon, Ga. Lock for water-meter boxes and the like. 1,776,723; Sept. 23.
- Cravens, Rhea R., Big Spring, Tex. Electric weld remover. 1,746,462; Feb. 11.
- Crawford, Archibald McB. (See Stanton, H. L., and Crawford.)
- Crawford, Charles L. (See Murphy, Edward H., assignor.)
- Crawford, Charles S., assignor to General Motors Corporation, Detroit, Mich. Ignition-wire conduct. 1,746,216; Feb. 4.
- Crawford, David F. (See Lower, N. M., Crawford, and Turner.)
- Crawford, Frank E., York, Nebr. Differential. 1,756,939; May 6.
- Crawford, George M., Ingomar, and J. M. London, Butler, Pa. Coal-loading machine. 1,781,895; Nov. 18.
- Crawford, George S., assignor to S. L. Woods, Chicago, Ill. Shim construction for side bearings. 1,748,412; Feb. 25.
- Crawford, George S., assignor to S. L. Woods, Chicago, Ill. Side bearing. 1,756,283; Apr. 29.
- Crawford, Harry H., assignor of one-fourth to T. H. Hammond, one-fourth to M. J. Davis, and one-fourth to Hammond Bag & Paper Co., Wellsburg, W. Va. End-closing machine for paper bags. 1,780,005; Oct. 28.
- Crawford, Henry V., Schenectady, N. Y., assignor to General Electric Company. Control mechanism for centrifugal compressors and operating the same. 1,783,036; Nov. 25.
- Crawford, James M., assignor to General Motors Corporation, Detroit, Mich. Clutch pressure lever plate. 1,761,972; June 3.
- Crawford, James R., Clinton, assignor of one-half to C. R. Workman, Goldville, S. C. Two-depth cotton planter. 1,743,882; Jan. 14.
- Crawford, Malcolm J., London, England, assignor to Wayne Company. Liquid measuring and dispensing apparatus. 1,756,085; Apr. 29.
- Crawford, Marian, Chicago, Ill. Lingerie clasp. 1,784,482; Dec. 9.
- Crawford, McGregor and Canby Company, The. (See Mattern, George W., assignor.)
- Crawford, Robert A., Chamberlain, S. Dak. Humidifier. 1,760,633; May 27.
- Crawford, Robert B. P., Chicago, Ill., and R. D. Snyder, Hazleton, Pa. Electroplating process. 1,750,092; Mar. 11.
- Crawford, Walter C., Bogota, N. J. Bread slicer. 1,771,434; July 29.
- Crawford, Wilbur F., Waco, Tex. Display device. 1,747,428; Feb. 18.
- Crawford, William E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrically welding tubular articles. 1,783,411; Dec. 2.
- Crawley, Mansfield C., Croton, N. Y., assignor to C. D. Davis, Washington, D. C., and W. R. Davis, Westfield, N. J. Automatic electric water heater. 1,760,230; May 27.
- Cream Separator Bottle, Inc. (See West, George E., assignor.)
- Creamer, Sylvester B. (See Bloss, R. R., and Creamer.)
- Creamer, Sylvester B. (See Bloss, R. R., Maurer, and Creamer.)
- Creamer, Sylvester B. (See Bloss, R. R., Steffen, and Creamer.)
- Creamer, Sylvester B., and H. R. Ansel, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Building structure. 1,760,817; May 27.
- Creamery Package Mfg. Company, The. (See Godfrey, Joseph H., assignor.)
- Creamery Package Mfg. Company, The. (See Heitz, Leonard F., assignor.)
- Creamery Package Mfg. Company, The. (See Hippenmeyer, Irving R., assignor.)
- Creamery Package Mfg. Company, The. (See Larsen, Olaf, assignor.)
- Creamery Package Mfg. Company, The. (See North, Charles E., assignor.)
- Creamery Package Mfg. Company, The. (See Scovel, J. C., and O'Brien, assignors.)
- Creamery Package Mfg. Company, The. (See Scovel, John C., Jr., assignor.)
- Creamery Package Mfg. Company, The. (See Soelch, George F., assignor.)
- Creamery Package Mfg. Company, The. (See Wallis, G. E., and Scovel, assignors.)
- Creamette Company, The. (See Quiggle, Arthur W., assignor.)
- Credicott, Edward C., Cleveland, Ohio. Heating, ventilating, and cooling system. 1,773,220; Aug. 19.
- Cree, George G., Schenectady, N. Y., assignor to General Electric Company. Protection of electric systems. 1,752,942; Apr. 1.
- Creed and Company Limited. (See Creed, Frederick G., assignor.)
- Creed and Company Limited. (See Creed, F. G., and Salmon, assignors.)
- Creed and Company Limited. (See Salmon, Reginald D., assignor.)
- Creed, Frederick G., Croydon, England, assignor to Creed and Company Limited. Telegraphic receiving apparatus. Re17,725; July 8.

- Creed, Frederick G., Croydon, England, assignor to Creed and Company Limited. Telegraphic receiving apparatus. 1,773,958; Aug. 26.
- Creed, Frederick G., and R. D. Salmon, Croydon, England, assignor to Creed and Company Limited. Speed-governor switch. 1,773,957; Aug. 26.
- Creedon, Michael V. (See D'Humy, F. E., and Creedon.)
- Creedy, Frederick, London, England. Dynamo-electric machine. 1,781,538; Nov. 11.
- Creek Chub Bait Co., The. (See Davenport, Sam F., assignor.)
- Creery, Roy V., German Township, St. Joseph County, Ind. Spring sole. 1,742,460; Jan. 7.
- Creese, Walter, Leicester, England. Hinged last. 1,750,626; Mar. 18.
- Cregger, Roe B., Richmond, Va. Blowtorch support and scriber. 1,780,814; Nov. 4.
- Creighton, Frank M., Americus, Ga., assignor to Moore Dry Kiln Company, Jacksonville, Fla. Dry kiln. 1,777,255; Sept. 30.
- Creighton, Fred, Patchogue, N. Y. Windshield cleaner. Re17,730; July 15.
- Cremen, Daniel J., Blackwood, N. J. Cap. Re17,620; Mar. 11.
- Crenshaw, Edward B., Edgemore, Md. Protector for ingrowing toe nails. 1,772,130; Aug. 5.
- Crenshaw, Erswell V., assignor to Langenberg Hat Company, St. Louis, Mo. Wearing apparel. 1,781,832; Nov. 18.
- Creo-Dipt Company. (See Gosch, Harry E., assignor.)
- Creo-Dipt Company Inc. (See Gosch, Harry E., assignor.)
- Crepeau, Henri. (See Blanchard, Lester L., assignor.)
- Creque, Frank J., Cuyahoga Falls, Ohio. Mold. 1,745,408; Feb. 4.
- Crescio, John B., Chicago, Ill. Wafer machine. 1,773,031; Aug. 12.
- Crespi, Emilio, Crespi-sur-L'Adda, Italy, and M. P. Otto, Paris, France. Apparatus for bleaching textile fibers with a gaseous current such as ozonized air. 1,750,093; Mar. 11.
- Crespi, Emilio, Crespi-sur-l'Adda, Italy, and M. P. Otto, Paris, France. Bleaching textile fibers by means of ozone. 1,760,042; May 27.
- Crespo, Ernest L., Brooklyn, N. Y. Safety-razor-blade-honing device. 1,744,752; Jan. 28.
- Cressey, Victor H., et al. (See Geffken, Claus, assignor.)
- Cretors, Charles, Chicago, Ill. Stirring mechanism for corn-popping apparatus. 1,786,005; Dec. 23.
- Creveling, John L., near Tucson, Ariz., assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Electric system. 1,744,296; Jan. 21.
- Creveling, John L., near Tucson, Ariz., assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Electric system. 1,746,726; Feb. 11.
- Creveling, John L., Oracle, Ariz., assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Electric regulation. 1,766,489; June 24.
- Creveling, John L., near Tucson, Ariz., assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Electric system. 1,766,490; June 24.
- Creveling, John L., Oracle, Ariz., assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Power-transmitting means. 1,769,110; July 1.
- Creveling, John L., near Tucson, Ariz., assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Electric system. 1,774,873; Sept. 2.
- Crew, Charles R., Edgewood, Md., assignor to Lloyd C. Adley, Llanerch, Pa. Motion toy. 1,786,737; Dec. 30.
- Crew Levick Company. (See Burch, Eli F., assignor.)
- Crews, Clarence M., Jackson Heights, N. Y. Air-cooled motor. 1,766,608; June 24.
- Cribben & Sexton Company. (See Wilkinson, George D., assignor.)
- Cribbs, Hyatt M. (See Gruber, Samuel A., assignor.)
- Cricchio, Paul, assignor to Wrought Iron & Art Glass Fixture Co., Inc., New York, N. Y. Table lamp or article of similar nature. Des. 80,936; Apr. 15.
- Cricchio, Paul, assignor to Wrought Iron & Art Glass Fixture Co., Inc., New York, N. Y. Table lamp or article of similar nature. Des. 81,126; May 13.
- Cricchio, Paul, Bronx, assignor to Aljac Art Metal Products Corporation, Brooklyn, N. Y. Lamp. Des. 81,179; May 20.
- Cricchio, Paul, assignor to Majestic Lamp Works, New York, N. Y. Combined clock case and lamp. Des. 81,323; June 10.
- Cricchio, Paul, assignor to Majestic Lamp Works, New York, N. Y. Lamp or article of analogous nature. Des. 81,324; June 10.
- Cricchio, Paul, assignor to Majestic Lamp Works, New York, N. Y. Lamp base or article of analogous nature. Des. 81,384; June 17.
- Cricchio, Paul, assignor to Wrought Iron & Art Glass Fixture Co., Inc., New York, N. Y. Table lamp or article of similar nature. Des. 81,629; July 22.
- Cricchio, Paul, assignor to Wrought Iron & Art Glass Fixture Co., Inc., New York, N. Y. Table lamp or article of similar nature. Des. 81,630; July 22.
- Cricchio, Paul, assignor to Metropolitan Lamp Co. Inc., New York, N. Y. Lamp base. Des. 81,806; Aug. 26.
- Crichton, James V., assignor of one-half to K. Salberg, Philadelphia, Pa. Variable speed mechanism. 1,782,001; Nov. 18.
- Crichton, Leslie N., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,749,566; Mar. 4.
- Crickmer, Charles S. (See Wilson, R. A., and Crickmer.)
- Crickmer, Charles S., and I. C. Bell, assignors to The Guiberson Corporation, Dallas, Tex. Multiple-disk drill bit. Re17,700; June 17.
- Crickmer, Charles S., assignor to The Guiberson Corporation, Dallas, Tex. Fulcrum plate for spiders. 1,764,245; June 17.
- Crickmer, Charles S., assignor to Tridex Corporation, Dallas, Tex. Suction atomizer. 1,784,222; Dec. 9.
- Crickmer, Charles S., assignor to Tridex Corporation, Dallas, Tex. Handle. 1,784,223; Dec. 9.
- Crickner, Charles S., assignor to Tridex Corporation, Dallas, Tex. Handle. 1,785,111; Dec. 16.
- Cridland, Clifford F., Carter County, Mont. Caponizing instrument. 1,752,891; Apr. 1.
- Criley, William W., Cleveland, assignor to The Ajax Manufacturing Company, Euclid, Ohio. Safety device. 1,786,006; Dec. 23.
- Crill, Alphonso, Nampa, Idaho. Head gate. 1,768,120; June 24.
- Crimmins, Murrell H., Los Angeles, Calif. Two-cycle internal-combustion engine and supercharging device. 1,786,106; Dec. 23.
- Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread-slicing machine. 1,778,007; Oct. 14.
- Crippen, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Condenser microphone. 1,780,671; Nov. 4.
- Cripps, Albert A., Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation. Adjustable seat. 1,751,907; Mar. 25.
- Criqui, Albert A., assignor to Buffalo Forge Company, Buffalo, N. Y. Drying process and apparatus. 1,751,472; Mar. 25.
- Criqui, Albert A., assignor to Buffalo Forge Company, Buffalo, N. Y. Centrifugal fan. 1,781,165; Nov. 11.
- Crisler, Ray H., Glendale, Calif. Dumping-truck train. 1,749,274; Mar. 4.
- Crisp, George B., Astoria, N. Y. Cleaning apparatus. 1,769,944; July 8.
- Crisson, George, East Orange, N. J., assignor, to American Telephone and Telegraph Company. Signaling means for telephone systems. 1,755,243; Apr. 22.
- Crisson, George, East Orange, N. J., assignor to American Telephone and Telegraph Company. Telephone conference arrangement. 1,773,776; Aug. 26.
- Crisson, George, East Orange, N. J., assignor to American Telephone and Telegraph Company. Two-way negative-impedance repeater. 1,776,310; Sept. 23.
- Crisson, George, East Orange, N. J., assignor to American Telephone and Telegraph Company. Repeater system. 1,776,311; Sept. 23.
- Crisson, George, East Orange, N. J., assignor to American Telephone and Telegraph Company. Shielding arrangement. 1,786,412; Dec. 23.
- Crist, Ben J., Ellsworth, Minn. Pump jack. 1,754,982; Apr. 15.
- Critchfield, Robert M., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Warning signal. 1,749,325; Mar. 4.
- Critchley, Samuel W., Providence, R. I. Buckle. 1,772,886; Aug. 12.
- Crites, George R. (See Gray, D. E., and Crites.)
- Crites, Joe. (See Davidson, P., and Crites.)
- Crites, Joe, assignor to International Combustion Engineering Corporation, New York, N. Y. High-speed screen mill. 1,771,163; July 22.
- Crites, Joe, Evanston, Ill., assignor to International Combustion Engineering Corporation, New York, N. Y. Device for transporting finely-divided materials. 1,772,244; Aug. 5.
- Crites, Joe, Evanston, Ill., assignor to International Combustion Engineering Corporation, New York, N. Y. Apparatus for transporting finely-divided material. 1,772,245; Aug. 5.
- Crites, Joe, Evanston, Ill., assignor to International Combustion Engineering Corporation, New York, N. Y. Pulverized-material-transporting device. 1,772,278; Aug. 5.
- Crites, Joe, and W. A. Koren, Evanston, assignors to The Raymond Brothers Impact Pulverizer Co., Chicago, Ill. Automatic temperature control in pulverizing mills. 1,783,358; Dec. 2.
- Crites, Walter P. (See Wheeler, R. B., and Crites.)
- Critser, Fred E., Roseburg, Ore. Rotary current-reversing switch. 1,765,132; June 17.
- Crittall Casement Window Company. (See Jorss, Karl F., assignor.)
- Crittall, Richard G. (See Musgrave, J. L., and Crittall.)
- Crittenden, G. A., et al. (See Ragland, Jack R., assignor.)
- Croakman, Elmer G., Akron, Ohio, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Dyeing of rubber. 1,742,757; Jan. 7.
- Croat, Oliver T., St. Mary's, Iowa. Scraper for traction wheels. 1,769,419; July 1.
- Croce, Thomas C., East Boston, Mass. Control stick for aeroplanes. 1,744,297; Jan. 21.
- Crockatt, William C., Glasgow, Scotland. Indicating the presence of saline, alkaline, acid, or other impurities in water and other fluids. 1,774,319; Aug. 26.

- Crocker, Edna L., Denver, Colo. Manually-held supporting device for assisting children in learning to walk. 1,749,999; Mar. 11.
- Crocker, Ernest C. (See Dewey, B., and Crocker.)
- Crocker, Harry J., Binghamton, N. Y. Foot arch and metatarsal support. 1,762,161; June 10.
- Crocker, John C., Pittsburgh, Pa. Wheel chuck. 1,759,098; May 20.
- Crocker, Percival B., assignor to The Sentry Company, Taunton, Mass. Furnace with drain. 1,744,694; Jan. 21.
- Crocker, Percival B., assignor to The Sentry Company, Taunton, Mass. Pot furnace and the like. 1,745,335; Jan. 28.
- Crocker, Thomas F., assignor to Reserve Holding Company, Chicago, Ill. Telephone system. 1,770,392; July 15.
- Crocker, Thomas F., Chicago, Ill. assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,771,842; July 29.
- Crocker, Thomas F., assignor to Reserve Holding Company, Chicago, Ill. Telephone system. 1,776,653; Sept. 23.
- Crocker, Thomas F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,780,617; Nov. 4.
- Crocker, Thomas F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Toll-service trunking system. 1,786,480; Dec. 30.
- Crocker-Wheeler Electric Manufacturing Company. (See Edmunds, H. M., and Waring, assignors.)
- Crocker-Wheeler Electric Manufacturing Company. (See Spencer, Millard C., assignor.)
- Crockett, Charles C., Drumright, Okla. Portable cable reel. 1,777,197; Sept. 30.
- Crockett, James B. (See Schidrowitz, Philip, assignor.)
- Crockett, James B., assignor to Cambridge Rubber Company, Cambridge, Mass. Artificial flower and making same. 1,748,636; Feb. 25.
- Crockett, James B., assignor to Cambridge Rubber Company, Cambridge, Mass. Artificial flower and making same. 1,754,670; Apr. 15.
- Crockett, James B., assignor to Cambridge Rubber Company, Cambridge, Mass. Producing variated surface effects on rubber articles. 1,773,724; Aug. 26.
- Croes, Charles W., Aberdeen, S. Dak. Map holder. 1,759,544; May 20.
- Crofoot, John B., Mount Prospect, Ill. Cushion cap for tools. Re17,684; May 27.
- Crofoot, John B., Arlington Heights, Ill. Stapling machine. 1,749,466; Mar. 4.
- Croft, Arthur G., Boise, Idaho. Twine cutter. 1,760,043; May 27.
- Croft, Hiram D. (See Perkins, J. L., and Croft.)
- Croft, Hiram D., assignor to Perkins Machine and Gear Company, Springfield, Mass. Gear. 1,755,102; Apr. 15.
- Croft, Lorenzo E., assignor to Gardner-Denver Company, Denver, Colo. Bore-opening apparatus. 1,760,584; May 27.
- Crofton, William H., San Diego, Calif. Current motor. 1,745,356; Feb. 4.
- Croll, William F., London, England. Sound recording and reproducing apparatus. 1,758,559; May 13.
- Crom, John M., Wilmette, Ill. Ditch trimmer. 1,776,941; Sept. 30.
- Cromar Company, The. (See Dittmar, Irvin F., assignor.)
- Crombie, Charles G. (See Shields, B. F., and Crombie.)
- Crombie, Robert C. (See Crombie, Thomas J. and R. C.)
- Crombie, Rose, executrix. (See Crombie, Thomas J. and R. C.)
- Crombie, Thomas J., deceased, and R. C. Crombie, California, Pa.; R. Crombie, executrix, assignor to said Robert C. Crombie. Dirt and dust remover for mining machines. 1,766,429; June 24.
- Crommett, Charles F., Medford, assignor of one-third to L. N. Wheelock, Boston, Mass., and one-third to W. J. Hawkins, Brooklyn, N. Y.. Apparatus for producing carbon black. 1,772,984; Aug. 12.
- Crompton, Inc. (See Crompton, Randolph, assignor.)
- Crompton, Inc. (See Crompton, R., and Knowlton, assignors.)
- Crompton & Knowles Loom Works. (See Ashton, Francis E., assignor.)
- Crompton & Knowles Loom Works. (See Bergstrom, Carl P., assignor.)
- Crompton & Knowles Loom Works. (See Bergstrom, C. P., and Lindegren, assignors.)
- Crompton & Knowles Loom Works. (See Brickman, Allen E., assignor.)
- Crompton & Knowles Loom Works. (See Bushey, Donald H., assignor.)
- Crompton & Knowles Loom Works. (See Chevette, Augustin J., assignor.)
- Crompton & Knowles Loom Works. (See Colgan, James F., assignor.)
- Crompton & Knowles Loom Works. (See Doherty, Philip D., assignor.)
- Crompton & Knowles Loom Works. (See Favor, Henry S., assignor.)
- Crompton & Knowles Loom Works. (See Findlay, George P., assignor.)
- Crompton & Knowles Loom Works. (See Foster, Herbert V., assignor.)
- Crompton & Knowles Loom Works. (See Gargolinski, Anthony D., assignor.)
- Crompton & Knowles Loom Works. (See Gerouimo, Vincent, assignor.)
- Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)
- Crompton & Knowles Loom Works. (See Gordon, A. A., and Cook, assignors.)
- Crompton & Knowles Loom Works. (See Homes, Elbridge R., assignor.)
- Crompton & Knowles Loom Works. (See Hutchins, Allan S., assignor.)
- Crompton & Knowles Loom Works. (See Jennings, Victor H., assignor.)
- Crompton & Knowles Loom Works. (See King, William H., assignor.)
- Crompton & Knowles Loom Works. (See Lindegren, Carl J., assignor.)
- Crompton & Knowles Loom Works. (See Lundgren, William E., assignor.)
- Crompton & Knowles Loom Works. (See Lyle, John, assignor.)
- Crompton & Knowles Loom Works. (See Morrell, Alfred F., assignor.)
- Crompton & Knowles Loom Works. (See Nelson, Samuel A., assignor.)
- Crompton & Knowles Loom Works. (See Olch, Jacob B., assignor.)
- Crompton & Knowles Loom Works. (See Paine, Arthur P., assignor.)
- Crompton & Knowles Loom Works. (See Pashoian, Harry G., assignor.)
- Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
- Crompton & Knowles Loom Works. (See Regan, John, assignor.)
- Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)
- Crompton & Knowles Loom Works. (See Shutt, George H., assignor.)
- Crompton & Knowles Loom Works. (See Stewart S., Allen, and Roy, assignors.)
- Crompton & Knowles Loom Works. (See Tinsley, John F., assignor.)
- Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
- Crompton & Knowles Loom Works. (See Unwin, Kenneth J., assignor.)
- Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
- Crompton & Knowles Loom Works. (See Wattie, William M., assignor.)
- Crompton, Randolph, Worcester, assignor to Crompton, Inc., Boston, Mass. Loom shedding-mechanism control. 1,754,613; Apr. 15.
- Crompton, Randolph, Worcester, and C. E. Knowlton, Grafton, assignors to Crompton, Inc., Boston, Mass. Feeler mechanism. 1,761,817; June 3.
- Crompton, Randolph, Worcester, Mass. Blade-wiping razor. 1,771,164; July 22.
- Cromwell, John C. (See Groeniger, W. C., and Cromwell.)
- Cromwell, John C., assignor to The Steel Sanitary Company, Alliance, Ohio. Built-up shower bath. 1,749,275; Mar. 4.
- Cromwell, John C., Columbus, Ohio, assignor, by mesne assignments, to The Testite Company. Roof drain. 1,753,262; Apr. 8.
- Cromwell, John C., Columbus, assignor to The Steel Sanitary Company, Alliance, Ohio. Welding apparatus and method of welding. 1,753,263; Apr. 8.
- Cromwell, Oliver F. W., Ridgway, Pa. Leather-finishing compound. 1,753,694; Apr. 8.
- Croner, George P., Fullerton, Calif. Hydraulic piston. 1,742,582; Jan. 7.
- Croner, Charles H., Brunswick, Ga. Shore-pipe nozzle. 1,774,637; Sept. 2.
- Croning, Johannes, Hamburg, Germany, assignor by mesne assignments, to Crown Lock Company. Device for preventing theft and unauthorized use of power vehicles. 1,772,747; Aug. 12.
- Cronk, Arthur H., et al. (See Riley, Charles T., assignor.)
- Cronk, Howard. (See Hoes, J. W., and Cronk.)
- Cronkhite, Charles M. (See Keck, G. S., and Cronkhite.)
- Cronkhite, Charles M., Glendale, assignor to Pilot Ray Corporation, Los Angeles, Calif. Operating mechanism for dirigible headlights. 1,786,007; Dec. 23.
- Cronkhite, Justin C., Enid, Okla. Safety relay cut-out for generators. 1,770,844; July 15.
- Cronshaw, Cecil J. T., and W. J. S. Naunton, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Manufacture of vulcanized rubber and of materials for use therein. 1,777,352; Oct. 7.
- Cronshaw, Cecil J. T., and W. J. S. Naunton, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester England. Use of the mono- and di-carbalkoxy-diaryltioureas as accelerators in the vulcanization of rubber. 1,782,842; Nov. 25.
- Cronwall, Carl G., assignor to General Motors Corporation, Detroit, Mich. Adjustable seat structure for automobiles. 1,771,987; Aug. 5.
- Cronwall, Magnus. (See Ellberg, J., and Cronwall.)
- Crook, Alfred I., Lansdowne, Pa. Traffic-signal projector. 1,768,191; June 24.
- Crook, Louis H., Washington, D. C. Wing system with stabilizing vanes for aircraft. 1,767,966; June 24.

- Crook, Welton J., Stanford University, assignor, by mesne assignments, to Emsco Derrick & Equipment Company, Los Angeles, Calif. Steel sucker rod and the like and its production. 1,764,068; June 17.
- Crooks, Harold S. (See Mingus, L. C., Dunn, and Crooks.)
- Crookshank, C. S. (See Zimmerman, Ernest F., assignor.)
- Crookshanks, John, Glasgow, Scotland. Heel for footwear. 1,743,914; Jan. 14.
- Crookston, James B., Pittsburgh, Pa. Cue tip. 1,763,612; June 10.
- Cropp, David B., New York, N. Y. Heel for shoes. 1,753,284; Apr. 8.
- Crosby, Clemons C., Belmond, Iowa. Decapper for bottles. 1,756,730; Apr. 29.
- Crosby, Earle M., Birmingham, Mich., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Machine for sorting and setting fasteners. 1,767,513; June 24.
- Crosby, Gorham. (See Gunn, Thomas M., assignor.)
- Crosby, Harry E., Huntington Park, assignor to California Crushed Fruit Corporation, Los Angeles, Calif. Beverage dispenser. Des. 82,798; Dec. 16.
- Crosby, Luther C., Cawker City, Kans. Hitch. 1,776,724; Sept. 23.
- Crosby, Ralph L., Highland Park, Mich. Belt adjuster. 1,776,996; Sept. 30.
- Crosby Steam Gage & Valve Company. (See Coffin, Grange S., assignor.)
- Crosby, Stephen A., Philadelphia, Pa. Eraser attachment for typewriters. 1,782,060; Nov. 18.
- Crosby, Thomas, New Britain, Conn. Indicator card for type fonts. 1,754,545; Apr. 15.
- Crosby, William E., Wandsworth, assignor to The Aluminium Plant and Vessel Company, Limited, Point Pleasant, London, England. Valve and cock. 1,743,015; Jan. 7.
- Crosley, Powel, jr. (See Bush, Vannevar, assignor.)
- Crosley Radio Corporation, The. (See Bussard, Emmery J. H., assignor.)
- Crosley Radio Corporation, The. (See Bussard, E. J. H., and Kilgour, assignors.)
- Crosley Radio Corporation, The. (See Conover, Richard, assignor.)
- Crosley Radio Corporation, The. (See Gray, Walter P., assignor.)
- Crosley Radio Corporation, The. (Smith, Russell T., assignor.)
- Crosman, George A., Seattle, Wash. Remote-controlled door-operating mechanism. 1,760,298; May 27.
- Crosman, George J., jr., Newark, N. Y. Handle for tools. 1,762,679; June 10.
- Crosman, Loring P., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Zero-setting device. 1,781,320; Nov. 11.
- Cross, Albert H., Boston, Mass., and C. E. Beach, Binghamton, N. Y., assignors to The Gamewell Company, Newton Upper Falls, Mass. Signaling system. 1,770,510; July 15.
- Cross, A. T., Pencil Co. (See Stowe, Roy C., assignor.)
- Cross, Andrew B., and W. H. Frazier, Denver, Colo. Operating well-boring drills. 1,745,567; Feb. 4.
- Cross, Bertram J., Piermont, N. Y., assignor to International Combustion Engineering Corporation. Pulverized-fuel-burning apparatus. 1,756,321; Apr. 29.
- Cross Coal-O-Matic Company. (See Cross, Walter M., assignor.)
- Cross Development Corporation. (See Cross, Roy, assignor.)
- Cross, Frank L., Port Washington, N. Y., and H. Hallstream, Braintree, Mass., assignors to Cross Paper Feeder Company. Paper-feeding machine. 1,760,119; May 27.
- Cross, Frederick J., and H. H. Schott, assignors to Robeson-Rochester Corporation, Rochester, N. Y. Waffle iron. Des. 80,879; Apr. 8.
- Cross, Harry N., Vancouver, British Columbia, Canada. Bubbling-cup attachment for faucets. 1,772,209; Aug. 5.
- Cross, Herman, and T. J. Slagle, Blytheville, Ark. Cheese cutter. 1,751,264; Mar. 18.
- Cross, James W., Finsbury Pavement, London, and Eric E. Johnson, Tottenham, London, England. Seat. 1,782,231; Nov. 18.
- Cross Paper Feeder Company. (See Cross, F. L., and Hallstream, assignors.)
- Cross Paper Feeder Company. (See Hallstream, Henning, assignor.)
- Cross Parking Systems, Inc. (See Jenney, Robert T., assignor.)
- Cross, Paul A., Takoma Park, Md. Brush. 1,767,349; June 24.
- Cross, Roy. (See Collings, W. A., and Cross.)
- Cross, Roy, Kansas City, Mo., assignor to Silica Products Co., Los Angeles, Calif. Waterproof concrete and making same. 1,744,869; Jan. 28.
- Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation. Refining hydrocarbons. 1,760,585; May 27.
- Cross, Roy, Kansas City, Mo., assignor to Gasoline Products Company, Inc., Wilmington, Del. Treating petroleum hydrocarbons. 1,775,067; Sept. 2.
- Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation, Wilmington, Del. Treating hydrocarbons. 1,782,808; Nov. 25.
- Cross, Walter M. (See Hawthorne, Joseph G., assignor.)
- Cross, Walter M. (See Phillips, Walter B., assignor.)
- Cross, Walter M., Kansas City, Mo. Process and apparatus for treating petroleum oils. 1,744,262; Jan. 21.
- Cross, Walter M., Kansas City, Mo. Heat exchanger. 1,751,725; Mar. 25.
- Cross, Walter M., Kansas City, Mo. Aeroplane-wing construction. 1,752,421; Apr. 1.
- Cross, Walter M., assignor to Cross Coal-O-Matic Company, Kansas City, Mo. Domestic heating system. 1,758,146; May 13.
- Cross, Walter M., assignor to Cross Coal-O-Matic Company, Kansas City, Mo. Heating-system control. 1,758,147; May 13.
- Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Treating petroleum oils. 1,785,073; Dec. 16.
- Cross, William A., East Milton, Mass. Sectional liquid heating apparatus. 1,781,915; Nov. 18.
- Cross, William M., Chicago, Ill. Air-actuated mechanism for locking throttle levers. 1,763,954; June 17.
- Crossan, Jesse R. (See Wolfe, W. S., and Crossan.)
- Crosser, David H., assignor of one-half to H. A. Dormeyer, Chicago, Ill. Pincushion. 1,758,737; May 13.
- Crossley, Alfred, Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Protective device for balloons. 1,757,111; May 6.
- Crossley, Alfred, Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Piezo-electric crystal apparatus. 1,766,036; June 24.
- Crossman, Francis M., New York, N. Y. Binder for fuel agglomerates. 1,752,838; Apr. 1.
- Crossman, Francis M., Paris, France. Drying or carbonizing machine. 1,769,491; July 1.
- Crossmore, Edward Y., Yonkers; A. C. Chappory, jr., Brooklyn; and J. B. Posey, White Plains, assignors to National Biscuit Company, New York, N. Y. Display rack and bin. 1,763,419; June 10.
- Crossmore, Edward Y., Yonkers; A. C. Chappory, jr., Brooklyn; and J. B. Posey, White Plains, assignors to National Biscuit Company, New York, N. Y. Display rack and bin. 1,763,420; June 10.
- Crossmore, Edward Y., Yonkers, assignor to National Biscuit Company, New York, N. Y. Display container. 1,765,299; June 17.
- Crosthwait, Asa B., Horconitos, Vera Cruz, Mexico. Cigarette. 1,744,615; Jan. 21.
- Crosthwait, Asa B., Ebano, Mexico. Derrick. 1,770,845; July 15.
- Crosthwait, David N., jr., assignor to C. A. Dunham Company, Marshalltown, Iowa. Differential vacuum pump. 1,755,430; Apr. 22.
- Crothers, William G., Oakfield, N. Y. Twyer. 1,761,182; June 3.
- Crothers, William G., Oakfield, N. Y. Furnace. 1,770,126; July 8.
- Crotto, Frank E., assignor to Western Supply Company, Tulsa, Okla. Supporting link for well-working tools. 1,745,742; Feb. 4.
- Crotty, Joseph J., New York, assignor to The Universal Pipe and Radiator Company, New York, N. Y. Soil pipe. 1,781,682; Nov. 18.
- Crotty, Joseph J., assignor to The Central Foundry Company, New York, N. Y. Waste and vent fitting. 1,782,775; Nov. 25.
- Crouch, Artist B., Detroit, Mich. Piston and piston-ring assembly. 1,780,223; Nov. 4.
- Crouse, George B., Woodcliff, N. J., assignor, by mesne assignments, to Conner Crouse Corporation. Eliminating effect of variations in current supplied to audions. 1,759,545; May 20.
- Crouse, George B., Woodcliff, and J. L. Jatlow, Elizabeth, N. J., assignors to Conner Crouse Corporation, New York, N. Y. Voltage regulator. 1,767,052; June 24.
- Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
- Crouse-Hinds Company. (See Borden, Stephen W., assignor.)
- Crouse-Hinds Co. (See Mackall, Kenneth W., assignor.)
- Crouse-Hinds Company. (See Olley, Raymond H., assignor.)
- Crouse-Hinds Company. (See Pearson, John T., assignor.)
- Crouse-Hinds Company. (See Pearson, J. T., and Olley, assignors.)
- Crouse, Laurence W., Lincoln, Nebr. Two-row lister. 1,759,546; May 20.
- Crouse, Paul A., Indianapolis, Ind. Stripping plug for waxed thread. 1,746,530; Feb. 11.
- Crow, James T., Arkadelphia, Ark. Vending machine. 1,758,432; May 13.
- Crow, Walter, Chicago, Ill., assignor to Dittlinger-Crow Process Company, New Braunfels, Tex. Carbonizing solid vegetation. 1,773,959; Aug. 26.
- Crow, William N. and W. W., Cromwell, Ind. Road drag. 1,743,532; Jan. 14.
- Crow, William W. (See Crow, William N. and W. W.)
- Crowe, Frederic C., assignor of two-thirds to S. H. Cauley and C. L. Cauley, Erie, Pa. Picture-transmission system. 1,762,470; June 10.
- Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Method and apparatus for testing cylinders. 1,783,412; Dec. 2.
- Crowe, John M., Covington, Ky., assignor, by mesne assignments, to The Stanley Works, New Britain, Conn. Portable tool. 1,780,173; Nov. 4.

- Crowe, John M., Covington, Ky., assignor, by mesne assignments, to The Stanley Works, New Britain, Conn. Portable power saw. 1,780,174; Nov. 4.
- Crowe Name Plate & Manufacturing Co. (See Scheibel, Charles, assignor.)
- Crowe, Orley J., assignor to Motor Products Corporation, Detroit, Mich. Molding or finish-strip assembly. 1,757,515; May 6.
- Crowe, Paul L., Baltimore, Md. Abrading and crushing machine. 1,750,573; Mar. 11.
- Crowe, Paul L., Baltimore, Md. Combined fuel blower and pulverizer. 1,760,120; May 27.
- Crowell, Charles H., Fairville, Pa. Apparatus for tensioning and smoothing textiles. 1,747,755; Feb. 18.
- Crowell, Charles H., Fairville, Pa. Making fiber-filled woven product. 1,758,502; May 13.
- Crowell, Erd V., Los Angeles, Calif. Rotary drill mechanism. 1,767,350; June 24.
- Crowell, Henry W., Glen Ridge, N. J. Gauge. 1,782,002; Nov. 18.
- Crowell, J. Addison, assignor to James B. Crowell & Son, Walkill, N. Y. Brick mold. 1,756,146; Apr. 29.
- Crowell, James B., & Son. (See Crowell, J. Addison, assignor.)
- Crowell, Joyce H. (See Thornton, I. T., and Crowell.)
- Crowell, Melvin E., Franklin, Ind., and W. E. White, jr., Redlands, Calif. Hydraulic brake. 1,754,223; Apr. 15.
- Crowell, Preston, jr. (See Sease, Chester A., assignor.)
- Crowell, Russell B., Agnew, Calif., assignor to American Solvents & Chemical Corporation, New York, N. Y. Manufacturing absolute alcohol. 1,761,779; June 3.
- Crowell, Sarah E., and G. H. Blake, New York, N. Y. Bookcase. 1,783,703; Dec. 2.
- Crowell, W. Hall, et al. (See Farnum, Dwight, assignor.)
- Crowell, William B., New York, N. Y. Elevator-door-operating mechanism. 1,745,357; Feb. 4.
- Crowell, William D., St. Louis, Mo. Ventilating means for vehicle bodies. 1,770,747; July 15.
- Crowell, William J., jr., Wyncote, Pa. Combustion-control apparatus. 1,766,980; June 24.
- Crowell, William J., jr., Wyncote, Pa. Automatic reaction control. 1,766,981; June 24.
- Crowley, Arthur J., assignor to Humboldt Sulphur Company, Sulphur, Nev. Extracting sulphur. 1,763,762; June 17.
- Crowley, Charles E., et al. (See Beidler, Ford E., assignor.)
- Crowley, Frank P., North Bergen, N. J. Door-operating mechanism. 1,761,008; June 3.
- Crowley, Guy F., Milford, Conn., and R. C. Pierce, Niles, assignors to National Standard Company, Niles, Mich. Insulating head for extrusion machines. 1,763,136; June 10.
- Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve insides. 1,783,327; Dec. 2.
- Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Connecting device for fluid-pressure hose. 1,784,821; Dec. 16.
- Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air chuck. 1,784,822; Dec. 16.
- Crowley, John F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacturing shoes. 1,785,829; Dec. 23.
- Crowley, Joseph P., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass-surfacing apparatus. 1,748,112; Feb. 25.
- Crowley, Joseph P., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass-handling device. 1,761,193; June 3.
- Crowley, Lillian F., Vincennes, Ind. Truss brace. 1,780,579; Nov. 4.
- Crowley, Thomas C., assignor of one-half to E. B. Irwin, Birmingham, Ala. Contraction-expansion joint and making the same. 1,769,208; July 1.
- Crowley, William E., assignor to Lambertville Rubber Company, Inc., Lambertville, N. J. Shoe sole. Des. 80,361; Jan. 21.
- Crown Cork & Seal Company. (See Booth, George W., assignor.)
- Crown Cork & Seal Company. (See Derby, William V., assignor.)
- Crown Cork & Seal Company. (See Elder, John D., assignor.)
- Crown Cork & Seal Company. (See Mandrich, Bell, assignor.)
- Crown Cork & Seal Company. (See McManus, Charles E., assignor.)
- Crown Cork and Seal Company. (See Peelle, Willis J., assignor.)
- Crown Lock Company. (See Croning, Johannes, assignor.)
- Crown Rheostat & Supply Co. (See Abenanti, Joseph, assignor.)
- Crown Rock Company, The. (See Wilder, Charlton, assignor.)
- Crown Stove Works. (See Rogers, Walter F., assignor.)
- Crowson, Edward J., Fitchburg, Mass. Paper-making machine. 1,779,087; Oct. 21.
- Crowson, Herbert W., New York, N. Y., assignor to Pull-clean Manufacturing Corporation, Bridgeport, Conn. Towel cabinet. 1,761,071; June 3.
- Croyle, Emory. (See McCartney, L. C., and Croyle.)
- Crozier, Robert H., London, England. Process of and apparatus for destructive distillation. 1,759,821; May 20.
- Crozier, William D., Geneva, Ill., assignor, by mesne assignments, to United Reproducers Patents Corporation, St. Charles, Ill. Push-pull electrostatic sound reproducer. 1,764,008; June 17.
- Crozier, William D., Geneva, assignor, by mesne assignments, to United Reproducers Patents Corporation, St. Charles, Ill. Electrostatic pick-up device. 1,777,397; Oct. 7.
- Crucet, Joseph M., assignor to J. R. Palmenberg's Sons, Inc., New York, N. Y. Light-cluster support. Des. 80,511; Feb. 18.
- Cruikshank, Charles M., Auckland, New Zealand. Sliding sash window and like structure. 1,777,604; Oct. 7.
- Cruikshank, David G., Montclair, N. J. Headrest. 1,744,364; Jan. 21.
- Cruikshank, James W. (See Merian, F., and Cruikshank.)
- Cruikshank, Ross T., Minneapolis, Minn. Pump jack. 1,784,823; Dec. 16.
- Cruise, James P., Utica, Miss. Cotton picker. 1,775,890; Sept. 16.
- Crull, Alice C., Inglewood, Calif. Extensible and collapsible envelope file. 1,766,777; June 24.
- Crull, Harold L., Tulsa, Okla. Oil-well pump. 1,761,876; June 3.
- Crum, Abram G., Pittsburgh, Pa., assignor to Metal & Thermit Corporation, Carteret, N. J. Welding. 1,756,054; Apr. 29.
- Crum, Edward J. (See Loy, W. W., and Crum.)
- Crum, Harvey E., Santa Monica, Calif. Electrician's safety knife. 1,748,637; Feb. 25.
- Crum, Harvey E., Santa Monica, Calif. Electrician's safety knife. 1,748,638; Feb. 25.
- Crum, Hollis B., South Milwaukee, Wis. Brick-setting machine. 1,745,743; Feb. 4.
- Crum, Roland R., assignor to H. C. Smith Manufacturing Company, Whittier, Calif. Expansible underreamer. 1,750,627; Mar. 18.
- Crum, Roland R., assignor to H. C. Smith Manufacturing Company, Whittier, Calif. Expansible underreamer. 1,750,628; Mar. 18.
- Crum, Roland R., assignor to H. C. Smith Manufacturing Company, Whittier, Calif. Expansible underreamer. 1,750,629; Mar. 18.
- Crumbaugh, Harry B., Greenville, Tex. Aeroplane. 1,745,081; Jan. 28.
- Crumley, Birdie A., Wilson, Tex. Cotton-gathering machine. 1,778,587; Oct. 14.
- Crumpton, Kenneth R., assignor to Kaufmann Department Stores, Inc., Pittsburgh, Pa. Ceiling diffuser chandelier bowl. Des. 82,878; Dec. 23.
- Crumrine, Chester W. (See Dorsey, F. F., and Crumrine.)
- Crutchfield, George K., jr., W. C. Northam, and J. C. Kinker, jr., Richmond, Va., assignors to said Crutchfield. Bag-tying machine. 1,780,815; Nov. 4.
- Crutchlow, William, Fullerton, Pa. Stopping mechanism for looms. 1,751,979; Mar. 25.
- Cryer, I. F. (See Birchfield, Roy R., assignor.)
- Crysler, George P., Chicago, Ill. Furnace setting and control. 1,770,463; July 15.
- Crystal Oil Burner Corporation. (See Brown, John M., assignor.)
- Csont, Aron, Coraopolis, Pa. Waterproof shoe. 1,782,136; Nov. 18.
- Cubberley, Warner I., Washington, D. C. Filing device. 1,743,600; Jan. 14.
- Cubberley, Warner I., Washington, D. C. Sectional desk accessory. 1,750,575; Mar. 11.
- Cubberley, Warner I., Washington, D. C. Desk distributor set. 1,750,576; Mar. 11.
- Cubberley, Warner I., Washington, D. C. Office accessory. 1,772,438; Aug. 5.
- Cubdra, Frank. (See Tomec, J., and Cubdra.)
- Cucurello, Andrew J. (See Cucurello, James M. and A. J.)
- Cucurello, James M. and A. J., New Haven, Conn. Automatic lighting device. 1,773,725; Aug. 26.
- Cudahy Packing Company, The. (See Parsons, Llewellyn B., assignor.)
- Cudahy Packing Company, The. (See Shipner, John R., assignor.)
- Cuddihy, Edward, Tooele, Utah. Lubricating device. 1,757,954; May 13.
- Cuddihy, Edward, Tooele, Utah. Sintering machine and the like. 1,777,398; Oct. 7.
- Cuddy, Jeffrey A., Cleveland, Ohio. Aircraft. 1,742,461; Jan. 7.
- Cuddy, Loftus B., Cleveland, Ohio. Oil-cracking still. 1,760,400; May 27.
- Cude, Harold E. (See Rose, R. P., and Cude.)
- Cuff, James E., assignor to American Flyer Manufacturing Company, Chicago, Ill. Toy suburban station. Des. 80,434; Feb. 4.
- Cuffe, Frederick W. (See Young, A. M., and Cuffe.)
- Cuker, Karel, Tavikovice, Czechoslovakia. Increasing the potassium salt content of distiller's waste. 1,778,381; Oct. 14.
- Culbertson, William L., United States Navy, Worland, Wyo. Method and apparatus for raising submerged ships. 1,772,709; Aug. 12.
- Culin, Alice, New York, N. Y. Ash tray. Des. 82,799; Dec. 16.
- Culin, Alice, New York, N. Y. Statuette or similar article. Des. 82,931; Dec. 30.

- Cullerton, James A. (See Boothman, D. M., and Cullerton.)
- Cullin, Jasper F., Detroit, Mich. Electrical insulation and making the same. 1,748,381; Feb. 25.
- Cullison, Jesse L. (See Keller, J. M., and Thomas, assignors.)
- Cullman, Otto, Chicago, Ill. Combined sprocket and pinion. 1,771,432; July 29.
- Cullman, Otto, Chicago, Ill. Support for electric motors. 1,786,192; Dec. 23.
- Culmer, Thaddeus W., Robinson, Ill., assignor to Lincoln Oil Refining Company, Findlay, Ohio. Sweetening petroleum hydrocarbons. 1,772,985; Aug. 12.
- Culmer, Thaddeus W., and W. K. Marbry, Robinson, Ill. Metering valve. 1,749,802; Mar. 11.
- Culmore, March. (See Campbell, Philip S., assignor.)
- Culp, George K., Dowagiac, Mich., assignor to Time-O-Stat Controls Company, Elkhart, Ind. Housing for a portable thermostatic switch. Des. 82,316; Oct. 21.
- Culp, John F., assignor to Ideal Lubricator Company, Philadelphia, Pa. Regulating valve for grease lubricating systems. 1,781,539; Nov. 11.
- Culp, William E., Monon, Ind. Jar and cap holder. 1,758,276; May 13.
- Culp, William E., Monon, Ind. Can lifter. 1,775,309; Sept. 9.
- Culver, Bert L. (See Hart, Glenn A., assignor.)
- Culver, Gene G., St. Louis, Mo. Receptacle for use in manicuring. 1,753,044; Apr. 1.
- Culver, Lagar R., Los Angeles, assignor of one-half to J. W. Prillaman and E. F. Prillaman, Vista, Calif. Power-dipper door-latch release. 1,756,284; Apr. 29.
- Cumberland, John C., Schenectady, N. Y., assignor to General Electric Company. Motor control. 1,752,892; Apr. 1.
- Cumbo, Ernesto, Milazzo, Italy. Motor boat. 1,754,983; Apr. 15.
- Cumfer, Donald A. (See Mickelson, A. O., and Cumfer.)
- Cumfer, Harry A., et al. (See Mickelson, Alfred O., assignor.)
- Cumfer, Harry A., Chicago, Ill. Manufacture of expanded fibrous material. 1,777,076; Sept. 30.
- Cumfer, Harry A., assignor to Guyton & Cumfer Mfg. Co., Chicago, Ill. Cutting cylinder. 1,766,244; June 24.
- Cumfer, Harry A., Chicago, Ill., assignor of one-half to W. J. Mason, Greenwich, Conn. Plaster-receiving board. 1,766,982; June 24.
- Cumfer, Harry A., Chicago, Ill., assignor of one-half to W. J. Mason, Greenwich, Conn. Plaster board. 1,778,145; Oct. 14.
- Cummer, Freeman B., Carmen, Manitoba, Canada. Siding clamp. 1,781,833; Nov. 18.
- Cumming Pump Corporation. (See Cumming, William G., assignor.)
- Cumming Pump Corporation. (See Vaughan, H. H., and Cumming, assignors.)
- Cumming, William G. (See Vaughan, H. H., and Cumming.)
- Cumming, William G., Montreal, Quebec, assignor to Cumming Pump Corporation Limited, Montreal, Canada. Suction pump. 1,756,678; Apr. 29.
- Cummings Car and Coach Company. (See McKinney, Carl, assignor.)
- Cummings, Charles D., Tully, assignor of twenty-five per cent to L. E. Fuller, Syracuse, N. Y., and forty-nine per cent to A. F. Fuller and C. A. Allen, Portsmouth, N. H. Portable can opener. 1,756,633; Apr. 29.
- Cummings, Charles H., Denver, Colo. Grease trap and cover for same. 1,746,992; Feb. 11.
- Cummings, David P., Newton Center, Mass. Welt. 1,753,333; Apr. 8.
- Cummings, David P., Newton Center, Mass. Flexible sheet material. 1,759,976; May 27.
- Cummings, Earle W., assignor to Watertite Casement Hardware Co., Santa Barbara, Calif. Swinging window and screen mounting. 1,753,504; Apr. 8.
- Cummings, Earle W., assignor to Watertite Casement Hardware Co., Los Angeles, Calif. Combination screen and sash mounting. 1,781,272; Nov. 11.
- Cummings, Edward N. (See Carrier, Hermenegilde, assignor.)
- Cummings, Edwin H., North Attleboro, Mass. Display device. 1,775,932; Sept. 16.
- Cummings, Frank D., Los Angeles, Calif. Building construction (quakeproof building). 1,761,659; June 3.
- Cummings, Frank D., Los Angeles, Calif. Building construction (quakeproof building). 1,761,660; June 3.
- Cummings, James D., Houston, Tex. Attachment for tractors. 1,783,282; Dec. 2.
- Cummings, James G. (See Sullivan, William S., assignor.)
- Cummings, Leon H., Ware, Mass. Collapsible table for automobiles. 1,781,977; Nov. 18.
- Cummings, Malcolm B., Tucson, Ariz. Chair. Des. 81,777; Aug. 12.
- Cummings, Rodney B. (See Goucher, E. E., and Cummings.)
- Cummings, Ross. (See Pike, R. D., and Cummings.)
- Cummings, Ross. (See Pike, R. D., Cummings, and Steck.)
- Cummings, Ross, Berkeley, assignor to R. D. Pike, Piedmont, Calif. Production of alkali from natural brine. 1,751,132; Mar. 18.
- Cummings, Thomas R., Walnut Grove, Calif. Cultivator attachment for tractors. 1,754,614; Apr. 15.
- Cummings, William L., Berwyn, assignor to The Electron Relay Corporation, Chicago, Ill. Incandescent electric lamp. 1,756,679; Apr. 29.
- Cummins, Clessie L., assignor to Oil Engine Development Company, Columbus, Ind. Oil-burning engine. 1,752,786; Apr. 1.
- Cummins, Clessie L., assignor to Oil Engine Development Company, Columbus, Ind. Oil-burning engine. 1,762,653; June 10.
- Cummins, John H., Dallas, Tex. Ship. 1,754,149; Apr. 8.
- Cummins, Norman W., assignor to The Bade-Cummins Mfg. Co., Louisville, Ky. Hood clamp. 1,784,224; Dec. 9.
- Cumpston, Frederick B., Blooming Grove, assignor to Associated Factories Corporation, Dallas, Tex. Cotton gin. 1,751,305; Mar. 18.
- Cumpston, Frederick B., Blooming Grove, assignor to Associated Factories Corporation, Dallas, Tex. Cotton gin. 1,751,306; Mar. 18.
- Cumpston, Frederick B., Blooming Grove, assignor to Associated Factories Corporation, Dallas, Tex. Cotton-gin machine. 1,751,307; Mar. 18.
- Cumpston, Frederick B., Blooming Grove, assignor to Associated Factories Corporation, Dallas, Tex. Cotton-gin machinery. 1,751,308; Mar. 18.
- Cundall, Powell & Mosher, Inc. (See Cundall, Robert N., assignor.)
- Cundall, Robert N., Blasdel, assignor to Capem Machinery Corporation, Buffalo, N. Y. Bottle-capping machine. 1,742,496; Jan. 7.
- Cundall, Robert N., Blasdel, assignor to Cundall, Powell & Mosher, Inc., Buffalo, N. Y. Bottle-capping machine. 1,754,461; Apr. 15.
- Cundall, Robert N., Blasdel, assignor to Capem Machinery Corporation, Buffalo, N. Y. Bottle-capping machine. 1,773,259; Aug. 19.
- Cundall, Robert N., Blasdel, assignor to The Hoepner Automatic Machinery Corporation, Buffalo, N. Y. Machine for assembling screw caps and containers. 1,773,960; Aug. 26.
- Cundiff, Kenneth K., assignor of one-half to B. F. Alexander, Tulsa, Okla. Vacuum cleaner. 1,785,679; Dec. 16.
- Cunniff, Edward A., Thompsonville, Conn., assignor to Bizelew-Sanford Carpet Co., Inc. Yarn-winding machine. 1,755,148; Apr. 15.
- Cunning, Harry F. (See Coddington, H. W., and Cunningham.)
- Cunningham, Arthur B., assignor to Republic Flow Meters Co., Chicago, Ill. CO₂ recorder. 1,751,265; Mar. 18.
- Cunningham, Arthur B., assignor to Republic Flow Meters Co., Chicago, Ill. Sample tube. 1,755,285; Apr. 22.
- Cunningham, C. C., et al. (See Dwelle, Walter K., assignor.)
- Cunningham, Frederick W. (See Hardy, A. C., and Cunningham.)
- Cunningham, George E. (See Sherling, E. L., and Cunningham.)
- Cunningham, Howard, and L. C. Schwartz, Indianapolis, Ind. Saw grinding and gumming control device. 1,769,016; July 1.
- Cunningham, James, Riverton, N. J., assignor, by mesne assignments, to American Telephone and Telegraph Company. Electric soldering machine. 1,751,509; Mar. 25.
- Cunningham, James, Riverton, N. J., assignor, by mesne assignments, to American Telephone and Telegraph Company. Method and apparatus for making joints. 1,751,510; Mar. 25.
- Cunningham, James I., assignor of one-half to E. H. Waldrop, Shawnee, Okla. Boiler flue and pipe cutter. 1,765,208; June 17.
- Cunningham, James M., assignor to The Tabulating Machine Company, Endicott, N. Y. Commutator. 1,757,112; May 6.
- Cunningham, Lewis L., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic safety device. 1,763,093; June 10.
- Cunningham, Lewis L., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Circuit-controlling device. 1,763,094; June 10.
- Cunningham, Lewis L., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic device. 1,765,056; June 17.
- Cunningham, Lewis L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature-regulating system. 1,768,890; July 1.
- Cunningham, Logan, South Williamsport, Pa. Cable end and forming the same. 1,775,954; Sept. 16.
- Cunningham, Orin D. (See Derby, I. H., and Cunningham.)
- Cunningham, Perry, Madison, S. Dak. Gate-fastener operator. 1,742,583; Jan. 7.
- Cunningham Products Corporation. (See Geiger, William F., assignor.)
- Cunningham, Raymond C., assignor to Hincer Paper Box Co., Seattle, Wash. Box-wrapping device. 1,753,646; Apr. 8.
- Cunningham, Richard H., New York, N. Y., assignor to Dubilier Condenser Corporation. Winding condensers. 1,744,616; Jan. 21.
- Cunningham, Rolla B. and T. J., Topeka, Kans. Swivel plug and receptacle. 1,770,511; July 15.

- Cunningham, Roy H., assignor to Reynolds Spring Company, Jackson, Mich. Dustproof toggle switch. 1,759,300; May 20.
- Cunningham, Roy H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Escutcheon. 1,768,576; July 1.
- Cunningham, Tunis J. (See Cunningham, Rolla B. and T. J.)
- Cuno, Charles H., assignor to The Cuno Engineering Corporation, Meriden, Conn. Filtering apparatus. 1,747,148; Feb. 11.
- Cuno, Charles H., assignor to The Cuno Engineering Corporation, Meriden, Conn. Filter-actuating mechanism. 1,747,149; Feb. 11.
- Cuno, Charles H., Meriden, Conn., assignor to The Cuno Engineering Corporation, Meriden, Conn. Automatic filter. 1,769,502; July 1.
- Cuno Engineering Corporation, The. (See Cuno, Charles H., assignor.)
- Cuntz, Hermann F., et al. (See Dumars, Horace, assignor.)
- Cupples Company, Manufacturers. (See Wallace, H. B., and Frerichs, assignors.)
- Curello, John J., assignor to The G & O Manufacturing Company, New Haven, Conn. Radiator support. 1,762,328; June 10.
- Curioni, Aldo, Larchmont Woods, N. Y. Vaporizer. 1,770,127; July 8.
- Curioni, Aldo, Larchmont, N. Y., assignor of one-half to J. R. Hinchcliffe, Carolina, R. I. Boat. 1,780,998; Nov. 11.
- Curioni, Aldo, Larchmont, N. Y. Machine for stitching patterns on fabric bases. 1,786,481; Dec. 30.
- Curle, George L., Minneapolis, Minn. Rack for matrix magazines. 1,759,688; May 20.
- Curle, George L., assignor to The Monomelt Company, Minneapolis, Minn. Portable scoop rack. 1,758,148; May 13.
- Curley, Robert S., assignor to Kitson Machine Shop, Lowell, Mass. Cotton-working machine. 1,751,133; Mar. 18.
- Curley, Thomas V., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,753,334; Apr. 8.
- Curphey, Leonard E., Flint, assignor to General Motors Corporation, Detroit, Mich. Inlet for pumps. 1,742,758; Jan. 7.
- Curran, Frank M. (See Meyercord, G. R., and Curran.)
- Curran, Jerome P., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 82,139; Sept. 30.
- Current, Watson. (See Swing, Alfred J., assignor.)
- Currie, Donald. (See Currie, Dugald and D.)
- Currie, Dugald and D., Odebolt, Iowa. Corn harvesting and husking machine. Re17,798; Sept. 16.
- Currie, Gail G., assignor of one-half to E. R. Just, Los Angeles, Calif. Aircraft propeller. 1,758,560; May 13.
- Currie, John, Barvington, Huntingdon, Canada. Safety razor. 1,785,889; Dec. 23.
- Currie, Lauchlin M., Lakewood, Ohio, assignor to National Carbon Co., Inc. Battery-seal composition. 1,771,775; July 29.
- Currie, Lauchlin M., Lakewood, Ohio, assignor to National Carbon Co., Inc. Sealing composition. 1,772,457; Aug. 12.
- Currie, William E., and P. de Vries, Detroit, Mich.; said de Vries assignor to said Currie. Cattle stanchion. 1,762,259; June 10.
- Currie, William E., Lake Jovita, Fla., and P. de Vries, Detroit, Mich., said P. de Vries assignor to W. E. Currie. Cattle stanchion. 1,784,890; Dec. 16.
- Currier, Arthur L., Ashburnham, assignor to Cornell Multi-Wall Valve Bag Company, Fitchburg, Mass. Valve-bag closing and sealing tool. 1,754,462; Apr. 15.
- Currier, Arthur L., New Ipswich, N. H. Chuck. 1,781,442; Nov. 11.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiving circuits. 1,778,311; Oct. 14.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Socket. 1,782,411; Nov. 25.
- Curriyan, John F., Milton, Mass. Window-curtain control. 1,758,220; May 13.
- Currlin, Bernard, Toledo, Ohio. Traffic signal. 1,761,519; June 3.
- Currlin, Bernard, Toledo, Ohio. Cigar lighter. 1,771,485; July 29.
- Curry, B. V., trustee. (See Barker, Joseph R., assignor.)
- Curry, B. V., trustee. (See Towner, Heber F., assignor.)
- Curry, John A., Mount Vernon, Ala. Bill fold. 1,749,020; Mar. 4.
- Curtin-Howe Corporation. (See Curtin, Leo P., assignor.)
- Curtin, Leo P., Freehold, N. J., assignor to Curtin-Howe Corporation. Fungicidal and insecticidal composition and preparing same. 1,785,074; Dec. 16.
- Curtin, Peter A., Buffalo, N. Y. Cuff button. 1,767,436; June 24.
- Curtis, Alfred S., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave analysis. 1,762,160; June 10.
- Curtis, Arthur H. (See Reynier, J. H., and Curtis.)
- Curtis, Arthur R., Cleveland, Ohio. Safety device for washing machines. 1,756,181; Apr. 29.
- Curtis, Arthur R., Cleveland, Ohio. Supporting and driving means for gyratory shafts. 1,767,053; June 24.
- Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical contact device. 1,757,703; May 6.
- Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact-drive vibratory fork. 1,757,704; May 6.
- Curtis, Benjamin J., Chicago, and E. B. Bronson, deceased, Blue Island, Ill.; M. E. Bronson, executrix. Liquid-measuring device. 1,777,293; Oct. 7.
- Curtis, Charles G., and E. R. Newton, assignors to Curtis Gas Engine Corporation, New York, N. Y. Power plant. 1,765,716; June 24.
- Curtis, Charles G., New York, N. Y. Two-cycle internal-combustion engine. 1,777,827; Oct. 7.
- Curtis, Charles G., New York, and E. R. Newton, Jamaica, N. Y. Two-cycle internal-combustion engine. 1,780,175; Nov. 4.
- Curtis, Charles H., Wheatridge, Colo. Vending machine. 1,758,390; May 13.
- Curtis, Clancy R., assignor of one-half to C. E. Bruns, St. Paul, Minn. Feather renovator. 1,755,471; Apr. 22.
- Curtis Companies, Incorporated. (See Madsen, Sern, assignor.)
- Curtis, Emmett, and E. A. Mummé, Minneapolis, Minn. Strainer. 1,742,950; Jan. 7.
- Curtis Gas Engine Corporation. (See Curtis, C. G., and Newton, assignors.)
- Curtis, George W., Milwaukee, Wis., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing construction. 1,751,134; Mar. 18.
- Curtis, Henry E., San Jose, Calif. Braking mechanism for motor vehicles. 1,781,443; Nov. 11.
- Curtis, John C. (See Smith, W. A., sr., and Curtis.)
- Curtis, John C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,783,829; Dec. 2.
- Curtis, Leslie F., assignor to American Bosch Magneto Corporation, Springfield, Mass. Variable condenser. 1,773,573; Aug. 19.
- Curtis & Marble Machine Company. (See Jebson, Erik G., assignor.)
- Curtis-Martin Newspapers, Inc. (See Reed, Charles B., assignor.)
- Curtis, Melville G., Cynwyd, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Pile fabric and making the same. 1,785,937; Dec. 23.
- Curtis, Myron S., assignor to Potter & Johnston Machine Company, Pawtucket, R. I. Turret indexing and locking means. 1,748,540; Feb. 25.
- Curtis, Rowland J., assignor to The Reeves Manufacturing Company, Dover, Ohio. Bottom construction for cans. 1,756,585; Apr. 29.
- Curtis, Rowland J., assignor to The Reeves Manufacturing Company, Dover, Ohio. Forming die. 1,784,579; Dec. 9.
- Curtis, Thomas S., assignor to The Vitrefrax Corporation, Huntington Park, Calif. Electric torch furnace. 1,747,756; Feb. 18.
- Curtis, Thomas S., Huntington Park, Los Angeles. Clay compound and method of making. 1,768,545; July 1.
- Curtis, Thomas S., Huntington Park, assignor, by mesne assignments to Vitrefrax Corporation, Los Angeles, Calif. Forming ceramic articles and the like. 1,768,546; July 1.
- Curtis, Thomas S., assignor to Vitrefrax Corporation, Huntington Park, Calif. Recrystallized refractory composition. 1,786,482; Dec. 30.
- Curtis, Wallace A., New York, N. Y. Dumbwaiter closing and locking device. 1,768,121; June 24.
- Curtis, Walter, assignor to The Sun Electrical Company Limited, London, England. Lamp, globe, shade, reflector or like supporting device. 1,753,880; Apr. 8.
- Curtis, Will E., Evanston, Ill. Timing mechanism. 1,772,246; Aug. 5.
- Curtiss Aeroplane & Motor Company. (See Butler, A. G., and Page, assignors.)
- Curtiss Aeroplane & Motor Company. (See Leak, Arthur H., assignor.)
- Curtiss Aeroplane & Motor Co. Inc. (See Warner, William O., assignor.)
- Curtiss Candy Company. (See Melville, Herbert J., assignor.)
- Curtiss Candy Company, The. (See Melville, H. J., and Atchison, assignors.)
- Curtiss, Joseph H., New Rochelle, N. Y. Marine and other type flushing toilet. 1,778,520; Oct. 14.
- Curtiss-Reid Aircraft Company Limited. (See Reid, Wilfrid T., assignor.)
- Cushing, Daniel, Cambridge, Mass. Metallurgical furnace. 1,766,110; June 24.
- Cushing, Herbert C., Babb, Mont. Dispensing and measurement dish for hors d'œuvre. 1,768,976; July 1.
- Cushing, John W. (See Shields, Nicholas J., assignor.)
- Cushman, Charles S., Barre, Vt. Stone polisher. 1,766,012; June 24.
- Cushman, Joseph W., J. D. Everett, and C. J. Farrell, Vernon, assignors to J. F. Merrick and W. A. Teague, Wichita County, Tex., R. E. L. Sauer, said Farrell, and said Everett. Oil separator. 1,753,403; Apr. 8.
- Cushman, Henry F., Brooklyn, N. Y. Car for amusement devices. Des. 82,733; Dec. 9.
- Cushing, John F., Chicago, Ill. Flexible metallic joint. 1,774,320; Aug. 26.

- Cusick, George M., Grand Rapids, Mich. Magneto coupling. 1,764,608; June 17.
- Cusick, Walter M. (See Daley, Joseph J., assignor.)
- Custer, Levitt L., Dayton, Ohio. Amusement apparatus. 1,748,210; Feb. 25.
- Custer, Levitt L., Dayton, Ohio. Aerial amusement device. 1,762,507; June 10.
- Custer, Levitt L., Dayton, Ohio. Safety retaining means. 1,775,988; Sept. 16.
- Cuthbert Co., The. (See Lorenzen, Thomas C., assignor.)
- Cuthbert, John, assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Electric socket. 1,754,984; Apr. 15.
- Cuthbert, William R. (See Sheaffer, W. A., and Cuthbert.)
- Cuthbert, William R., and E. W. Sodeberg, assignors to W. A. Sheaffer Pen Co., Fort Madison, Iowa. Mechanical pencil. Des. 80,362; Jan. 21.
- Cuthbertson, Frederick J., New Haven, Conn. Compartmenting apparatus. 1,778,449; Oct. 14.
- Cuthbertson, James W., Los Angeles, assignor to A. L. Erickson, Turlock, Calif. Heater. 1,767,581; June 24.
- Cuthbertson, James W., Los Angeles, assignor of one-half to A. L. Erickson, Turlock, Calif. Swimming appliance. 1,767,651; June 24.
- Cutfn, Jacobo. (See Güede, M. G., and Cutfn.)
- Cutler, Archibald, Toronto, Ontario, Canada. Carving brace. 1,761,104; June 3.
- Cutler, Clifford A., Buffalo, N. Y. Method of and apparatus for drying lumber. 1,760,794; Mar. 18.
- Cutler, David A., Wollaston, Mass. Shoe. 1,752,787; Apr. 1.
- Cutler-Hammer, Inc. (See Bly, Robert S., assignor.)
- Cutler-Hammer, Inc. (See Campbell, H. E., and Mekelburg, assignors.)
- Cutler-Hammer, Inc. (See Costello, William H., assignor.)
- Cutler-Hammer, Inc. (See Dean, Peter P., assignor.)
- Cutler-Hammer, Inc. (See Fleet, Arthur H., assignor.)
- Cutler-Hammer, Inc. (See Harwood, Paisley B., assignor.)
- Cutler-Hammer, Inc. (See Hunter, Richard B., assignor.)
- Cutler-Hammer, Inc. (See Hutton, Ulric O., assignor.)
- Cutler-Hammer, Inc. (See Kennedy, Walter C., assignor.)
- Cutler-Hammer, Inc. (See Kruse, Ralph H., assignor.)
- Cutler-Hammer, Inc. (See Kuhn, Clarence W., assignor.)
- Cutler-Hammer, Inc. (See Laabs, Eric H., assignor.)
- Cutler-Hammer, Inc. (See Lightfoot, Edwin N., assignor.)
- Cutler-Hammer, Inc. (See Lockett, Ralph G., assignor.)
- Cutler-Hammer, Inc. (See Meuer, George J., assignor.)
- Cutler-Hammer, Inc. (See Meuer, G. J., and Stevens, assignors.)
- Cutler-Hammer, Inc. (See Meyer, Friedrich W., assignor.)
- Cutler-Hammer, Inc. (See Milburn, William R., assignor.)
- Cutler-Hammer, Inc. (See Mortensen, Niels L., assignor.)
- Cutler-Hammer, Inc. (See Mortensen, N. L., and Stansbury, assignors.)
- Cutler-Hammer, Inc. (See Neustedter, Walter J., assignor.)
- Cutler-Hammer, Inc. (See Packard, Horace N., assignor.)
- Cutler-Hammer, Inc. (See Pinkerton, Clarence S., assignor.)
- Cutler-Hammer, Inc. (See Pinkerton, C. S., and Greenwood, assignors.)
- Cutler-Hammer, Inc. (See Rodman, Thomas H., assignor.)
- Cutler-Hammer, Inc. (See Seeger, Edwin W., assignor.)
- Cutler-Hammer, Inc. (See Stevens, W. C., and Evans, assignors.)
- Cutler-Hammer, Inc. (See Stevens, W. C., and Meuer, assignors.)
- Cutler-Hammer, Inc. (See Tregoning, William C., assignor.)
- Cutler-Hammer, Inc. (See Wiegand, Henry J., assignor.)
- Cutler, Roger W., Needham, and J. R. Coolidge, 3d, Brookline, assignors to Montan, Inc., Boston, Mass. Fiber board and manufacturing fiber board. 1,779,532; Oct. 28.
- Cutler, Samuel C., Murray Hill, N. J. Air-moistening device. 1,744,826; Jan. 28.
- Cutler, Samuel C., Murray Hill, N. J. Apparatus for purifying gases. 1,786,150; Dec. 23.
- Cutler, Samuel R., administrator. (See Furber, Frederick M.)
- Cutler, William H., Newton, Mass. Mop wringer. 1,748,756; Feb. 25.
- Cutter-Crossette Company. (See Wolf, Harry, assignor.)
- Cutting, Charles D., Detroit, Mich. Universal joint. 1,764,829; June 17.
- Cutting, Fulton, New York, and I. G. Maloff, White Plains; said Maloff assignor to United Reproducers Corporation, Rochester, N. Y. Electrical vibrating motor. 1,779,114; Oct. 21.
- Cutts, Richard M., Washington, D. C. Compensator device. 1,773,260; Aug. 19.
- Cuyler, George W. (See Stone, G. M., and Cuyler.)
- Cyclo Corporation. (See Honig, Frank, assignor.)
- Cyclone Manufacturing Company, The. (See Speicher, Daniel E., assignor.)
- Cyganczuk, Dmytro, Winnipeg, Manitoba, Canada. Medalion. Des. 81,631; July 22.
- Cynthia Mills. (See English, Analdo M., assignor.)
- Cypress Novelty Corporation et al. (See Reisert, Mathias, assignor.)
- Cyr, Benjamin, assignor by mesne assignments to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic circuit-controlling apparatus. 1,768,892; July 1.
- Cyr, Victor A., North Attleboro, assignor to The Mason Box Company, Attleboro, Mass. 1,778,312; Oct. 14.
- Czapek, Emil, and R. Weingand, Bomlitz, near Walsrode, Germany. Manufacturing foils, films, ribbons, and the like from viscose and similar cellulose solutions. 1,745,247; Jan. 28.
- Czechoslovak Company: C. P. Goerz optische Anstalt Aktiengesellschaft, Akciova Spolecnost K. P. Goerz Opticky Ustav. (See Pechan, Ignaz, assignor.)
- Czechoslovak firm C. P. Goerz Optische Anstalt Aktiengesellschaft, Akciova Spolecnost K. P. Goerz Opticky Ustav. (See Von Hofe, C., Petschenig, and Schier, assignors.)
- Czema, Frank C., and H. W. Wilson, Duluth, Minn. Rolling-mill housing. 1,765,907; June 24.
- Czencz, Stephen, Budapest, Hungary. Toothbrush. 1,776,312; Sept. 23.
- D. R. S. Company Inc., The. (See Offutt, Lawrence H., assignor.)
- D. & S. Jewelry Co. (See Dansereau, Charles E., assignor.)
- Dae, Reinhardt, Youngstown, Ohio. Poker for gas producers. 1,748,467; Feb. 25.
- Daams, Lucas, Alhambra, Calif. Mercury-extracting apparatus. 1,744,827; Jan. 28.
- Dabney, Conway, Crystal Springs, Miss. Direction signal. 1,753,110; Apr. 1.
- Dabrasky, August, Washington, D. C. Trunnion bearing for ordnance. 1,742,436; Jan. 7.
- Dabrohua, Castro M., Chicago, Ill. Poster display means. 1,765,057; June 17.
- Da Costa, Robert C., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio apparatus. 1,751,854; Mar. 25.
- Da Costa, James S., Philadelphia, Pa., assignor of one-half to J. B. Webb, Detroit, Mich. Conveyer mechanism. 1,778,484; Oct. 14.
- Da Costa, James S., Merchantville, N. J., assignor of one-half to J. B. Webb, Detroit, Mich. Setting means for conveying mechanism. 1,780,224; Nov. 4.
- Da Costa, James S., Merchantville, N. J., assignor of one-half to J. B. Webb, Detroit, Mich. Elevator mechanism. 1,781,806; Nov. 18.
- Daddisman, Reginald A., assignor to Barrymore Concrete Mixer Corporation, San Francisco, Calif. Portable concrete mixer. 1,753,311; Apr. 8.
- Daderko, Michael, Summit Hill, Pa. Portable hand-operated power-driven plane. 1,760,818; May 27.
- Dady, Arthur O., Portland, Oreg. Automatic stoker. 1,766,056; June 24.
- Daehsel, Frederick A., Ottawa, Ontario, Canada. Direction indicator. 1,749,754; Mar. 11.
- Dagenhart, Jones P., Gastonia, N. C. Draft-bar for cotton-picking machines. 1,774,132; Aug. 26.
- Dagger, Jacob. (See Shilling, Edward C., assignor.)
- Dagley, Fred R., Knoxville, Tenn. Shears. 1,746,073; Feb. 4.
- Dahl Bit Corporation. (See Dahl, John, assignor.)
- Dahl, Jack F. (See Rhodes, W. A., and Dahl.)
- Dahl, John, assignor to Dahl Bit Corporation, Dallas, Tex. Drill bit. 1,754,671; Apr. 15.
- Dahl, Nekolai, Trondhjem, Norway. Process and apparatus for producing cooling liquids. 1,777,913; Oct. 7.
- Dahl, Otto. (See Masing, G., and Dahl.)
- Dahl-Rode, Svein, assignor to Cochrane Corporation, Philadelphia, Pa. Zeolite and making the same. 1,745,337; Jan. 28.
- Dahl, Valentine, Woodhaven, N. Y. Cinder-block machine. 1,749,375; Mar. 4.
- Dahl, Valentine, Woodhaven, N. Y. Machine for making concrete blocks and the like. 1,777,660; Oct. 7.
- Dahl, Victor, et al. (See Austin, William J., assignor.)
- Dahl, Victor, Spokane, Wash. Christmas-tree support. 1,784,090; Dec. 9.
- Dahlen, Charles A., Duluth, Minn. Tufting machine. 1,757,795; May 6.
- Dahlen, Miles A. (See Calcott, W. S., Douglass, and Dahlen.)
- Dahlgren, Charles J., East Orange, N. J. Buckle. 1,748,382; Feb. 25.
- Dahlgren, John W. (See Lehman, W., Ballentine, and Dahlgren.)
- Dahlgren, Charles S., assignor to Superior Universal Products Company, Bowling Green, Ohio. Universal joint. 1,770,846; July 15.
- Dahlquist, Theodore W., Dedham, Mass. Hot-water boiler. 1,762,215; June 10.
- Dahlstrand, Hans P., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Adjusting mechanism. 1,762,117; June 3.
- Dahlström, Arvid O. (See Johansson, S. A. F., and Dahlström.)
- Dahlström, Ernst R. (See Wehmann, F. W., and Dahlström.)
- Dahlstrom, Frank P., assignor to Morgan Construction Company, Worcester, Mass. Coil-handling apparatus. 1,762,289; June 10.
- Dailey, John. (See March, J., and Dailey.)
- Dailey, John A., Burlington, and L. W. Gerth, Wapello, Iowa. Metallic railway crossing. 1,758,935; May 20.
- Dailey, Roy R., Colorado Springs, Colo. Rock conveyer. 1,785,249; Dec. 16.
- Daimler-Benz Aktiengesellschaft. (See Porsche, Ferdinand, assignor.)

- Daimler, Karl, and G. Balle, Hochst-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Substituted arylsulphonic acids and making same. 1,758,277; May 13.
- Dain Manufacturing Company of Iowa. (See Toms, Barney, assignor.)
- Dains, Irvn F., assignor to Western Stoneware Company, Monmouth, Ill. Pottery kick out element. 1,781,947; Nov. 18.
- Dainton, Edgar H. (See Miller, H. C., and Dainton.)
- Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)
- Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Generator drive for railroad cars and the like. 1,751,621; Mar. 25.
- Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Manufacturing reflectors. 1,759,099; May 20.
- Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Photometer. 1,766,219; June 24.
- Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Latch for headlights and the like. 1,772,177; Aug. 5.
- Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Brush holder for electrical machines. 1,785,183; Dec. 16.
- Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Distribution valve. 1,785,184; Dec. 16.
- Dake, Charles W., and J. J. Kennedy, assignors to The Pyle-National Company, Chicago, Ill. Insulated electric rotor. 1,770,262; July 8.
- Dake, Fred L., assignor to The Foote Company, Inc., Nunda, N. Y. Power-control mechanism. 1,180,869; Nov. 4.
- Dake, Virgil H. (See Bartley, C. B., and Dake.)
- Daland, Elliot, Torresdale, assignor to Keystone Aircraft Corporation, Bristol, Pa. Shock absorber for landing gears of airplanes. 1,785,339; Dec. 16.
- Dalbey, Charles W. (See Drewer, J. H., Bertholf, Dalbey, and Ballard.)
- Dalby, Raymond, Paris, France, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 82,140; Sept. 30.
- Dalcher, John T. (See Ewertz, E. H., and Dalcher.)
- Dalcher, John T., Bayonne, N. J. Pressure-fluid generator. 1,756,423; Apr. 29.
- Dale, Charley E., Barnsdall, Okla. Casing-head packing and oil saver. 1,772,210; Aug. 5.
- Dale Forty and Company. (See Wyndham, John H., assignor.)
- Dale, John, trustee. (See Porter, Finley R., assignor.)
- Dale, Julian K., assignor to Sun Maid Raisin Growers of California, Fresno, Calif. Sirup and making the same. 1,746,993; Feb. 11.
- Dalén, Gustaf, Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Porous mass for the storage of explosive gases and making same. 1,767,514; June 24.
- Dalen, John H., Berkeley, Calif. Rotary slicing machine. 1,743,435; Jan. 14.
- Daley, James C., and E. G. Goddard, assignors to Jefferson Electric Manufacturing Company, Chicago, Ill. Transformer. 1,786,422; Dec. 30.
- Daley, James C., River Forest, E. G. Goddard, and J. J. Sola, Chicago, assignors to Jefferson Electric Company, Chicago, Ill. Transformer. 1,777,256; Sept. 30.
- Daley, Joseph J., assignor to W. M. Cusick, Boston, Mass. Amplification of radiant energy. 1,764,934; June 17.
- Daley, Walter A., assignor to Bell & Gossett Company, Chicago, Ill. Tube assembly for heat-transfer devices. 1,767,652; June 24.
- Daley, Walter A., assignor to Bell & Gossett Company, Chicago, Ill. Water heater. 1,769,735; July 1.
- Daley, Walter A., assignor to Bell & Gossett Company, Chicago, Ill. Unrestricted-return water heater. 1,782,380; Nov. 18.
- D'Alfonso, Alex C., Santa Barbara, Calif. Screened window. 1,779,062; Oct. 21.
- Dalhn, David, Seattle, Wash. Elevator. 1,778,847; Oct. 21.
- Dalkowitz, Godfrey, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Razor. 1,770,604; July 15.
- Dalkowitz, Godfred, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Safety razor. 1,773,614; Aug. 19.
- Dalkowitz, Godfrey, New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Pile-wire head. 1,775,933; Sept. 16.
- Dal Lago, Domingo, Rosario De Sante Fe, Argentina. Starting device for engines of the Diesel and semi-Diesel type. 1,771,776; July 29.
- Dallas, Charles D., Chicago, Ill. Coiling machine. 1,767,835; June 24.
- Dallas, Charles D., Chicago, Ill. Coiling machine. 1,779,115; Oct. 21.
- Dallas Tailor's Supply Company Incorporated. (See Ackley, William L., assignor.)
- Dallenberger, Charles E., Chicago, assignor to P. Carpenter, Glenview, Ill. Modified gum and its manufacture. 1,786,831; Dec. 30.
- Dallrup, John R., assignor to Reed Roller Bit Company, Houston, Tex. Drill-cutter mounting. 1,768,577; July 1.
- Dalley, Edward M. (See Coryell, Charles N., assignor.)
- Dallimore, Julia E., assignor of one-half to P. M. Dallimore, Los Angeles, Calif. Garment support. 1,751,030; Mar. 18.
- Dallimore, Pearl M. (See Dallimore, Julia E., assignor.)
- Dallinga, Charles L., Akron, Ohio. Vegetable washer. 1,750,612; Mar. 11.
- Dalmer, Karl, and G. Balle, Hochst-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing nuclear-substituted arylsulphonic acids. 1,758,356; May 13.
- Daloze, René, Uccle, Belgium. Manufacture of pure lead hydroxide starting from impure sulphate of lead. 1,757,902; May 6.
- Dalpini, Ugo. (See Swanson, Swan J., assignor.)
- Dalrymple, Horace A., Haverhill, Mass. Shoe ornament. Re81,229; May 27.
- Dalrymple, Philip W., Newton, assignor to Industrial Machines Company, Boston, Mass. Conveyer. 1,743,324; Jan. 14.
- Dalton, Charles J., New York, N. Y. Cooling device for truck tires. 1,746,031; Feb. 4.
- Dalton, Donald M., Washington, D. C. Signaling system. 1,763,531; June 10.
- Dalton, Ernest E., and C. J. Ringle, Chicago, Ill. Investing denture models and patterns. 1,767,351; June 24.
- Dalton, George A., and J. R. Dunham, Highland Park, assignors to John Waldron Corporation, New Brunswick, N. J. Flexible coupling pin. 1,765,209; June 17.
- Dalton, George A., and J. R. Dunham, Highland Park, N. J., assignors to Flexible Engineering Corporation, New York, N. Y. Gear. 1,778,797; Oct. 21.
- Dalton, Hubert, Sound Beach, Conn. Drive means for lathes and similar machines. 1,747,621; Feb. 18.
- Dalton, Hubert, Stamford, Conn. Top for smoker's stands. Des. 82,603; Nov. 25.
- Dalton, Hubert, Stamford, Conn. Smoker's stand. Des. 82,800; Dec. 16.
- Dalton, Hubert, Stamford, Conn. Belt-tightening mechanism for motor-driven supply units. 1,782,195; Nov. 18.
- Dalton, Hubert, Stamford, Conn. Threadless nut or collar. 1,782,196; Nov. 18.
- Dalton, Leo F., Terre Haute, Ind. Bottle closure. 1,735,890; Dec. 23.
- Dalton, Nelson W., Bath, assignor of three-fourths to Pequod Realty Corporation, New York, N. Y. Aerofoil construction. 1,783,413; Dec. 2.
- Dalton, William, Glenville, N. Y., assignor to General Electric Company. Railroad-track structure. 1,742,987; Jan. 7.
- Dalton, William, Glenville, N. J., assignor to General Electric Company. Railway truck wheel and wheel and axle assembly. 1,745,153; Jan. 28.
- Dalton, William, Glenville, N. Y. Railroad-track structure. 1,752,151; Mar. 25.
- Dalton, William, Glenville, N. Y. Railroad-track structure. 1,752,152; Mar. 25.
- Dalton, William, Schenectady, N. Y., assignor to General Electric Company. Fabricated metallic structure. 1,774,423; Aug. 26.
- Daly, Catherine T., et al. (See Smith, Augustus, assignor.)
- Daly, Charles L., Brockton, assignor, by mesne assignments, to Arden Box Toe Company, Watertown, Mass. Soft box toe. 1,784,276; Dec. 9.
- Daly, George F., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Commutator-controlling device for printing tabulators. 1,772,211; Aug. 5.
- Daly, George F., and R. E. Page, Binghamton, assignors to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine. 1,762,145; June 10.
- Daly, George F., Johnson City, and R. E. Page, Binghamton, assignors to The Tabulating Machine Company, Endicott, N. Y. Printing mechanism. 1,777,876; Oct. 7.
- Daly, John J., Newton, assignor to North American Chemical Company, Boston, Mass. Making box toes for shoes. 1,751,545; Mar. 25.
- Daly, John J., West Newton, assignor to Spencer Chain Stores, Inc., Malden, Mass. Store front. Des. 81,051; Apr. 29.
- Daly, John J., West Newton, assignor to Arden Box Toe Company, Watertown, Mass. Box-toe strip pack. 1,756,115; Apr. 29.
- Daly, Joseph P., Cincinnati, Ohio, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,779,930; Oct. 28.
- Daly, Kerfoot W., et al. (See Harger, Martin L., assignor.)
- Daly Manufacturing Company, The. (See Snow, Arthur E., assignor.)
- Daly, Mary E., et al. (See Smith, Augustus, assignor.)
- Daly, William, Michigan City, Ind. Cylinder construction for engines. 1,747,622; Feb. 18.
- Dalzell, Charles B. (See Feldmeier, H., and Dalzell.)
- Dalzell, Donald P. (See Kaempf, E., and Dalzell.)
- Dambacher, Xaver, assignor to the firm Windmüller & Hölscher G. m. b. H., Lengerich, Westphalia, Germany. Method of and apparatus for detaching sheets of paper of uniform length. 1,745,358; Feb. 4.
- Damblanc, Louis, Paris, France. Crank shaft. 1,767,352; June 24.
- D'Ambrosio, Domenico, Marshfield, Oreg. Grubbing fork. 1,772,385; Aug. 5.

- Dame, Charles A., Providence, R. I. Strand-working machine. 1,778,848; Oct. 21.
- Damelio, Joseph, Youngstown, Ohio. Flowerpot holder. Des. 82,660; Dec. 2.
- Damerell, Mark H., Worcester, Mass. Sow-block holder for hammers. 1,751,075; Mar. 18.
- Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Crank-shaft-twisting machine. 1,756,634; Apr. 29.
- Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Centering machine. 1,766,812; June 24.
- Dami, Ernesto, New York, N. Y. Shoe form. 1,759,566; May 20.
- Dammann, Karl, Essen, Germany. Building roads. 1,756,344; Apr. 29.
- Damon, Francisque. (See Mouthe, Auguste, assignor.)
- Damon, John H., assignor to Plymouth Cordage Company, Plymouth, Mass. Mechanism for sliver control. 1,778,382; Oct. 14.
- Damp, Ralph E. (See Shaner, G. A., Damp, and Donovan.)
- Damron, Milton H., Long Beach, Calif. Vaginal speculum. 1,783,602; Dec. 2.
- Dana, Frank H. (See Sanderson, A. N., Dana, and Vogel.)
- Dana, Leslie, St. Louis, Mo., assignor to Charter Oak Stove and Range Company. Stove construction. 1,766,111; June 24.
- Danat, Fred W., Buffalo, N. Y. Ventilator for automobiles. 1,785,891; Dec. 23.
- Danbury Electric Manufacturing Company, The. (See Knudson, Knud, assignor.)
- Dance, Clifford C., Denver, Colo. Vacuum sweeper. 1,773,961; Aug. 26.
- Danciger, Abraham. (See Clarke, B. E., and Danciger.)
- Danciger, Abraham, Tulsa, Okla. Beverage container. 1,770,480; July 15.
- Danco, Leon A., Fairfield, Conn., assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Tag for containers. Des. 80,932; Apr. 8.
- Danco, Leon A., Fairfield, Conn., assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Display stand. Des. 81,180; May 20.
- Danco, Leon A., Fairfield, Conn., assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Perfume bottle. Des. 82,317; Oct. 21.
- Danco, Leon A., Rockville Center, N. Y., assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Container. 1,775,088; Sept. 9.
- Danco, Leon A., Rockville Center, N. Y., assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Vanity case. 1,777,717; Oct. 7.
- Daneel, Richard H., Britstown, Union of South Africa. Inflating pneumatic tires. 1,772,212; Aug. 5.
- Daneke, Dietrich. (See Brackett, E., and Daneke.)
- Daneman, A. S. (See D'Autremont, Louis F., assignor.)
- Danerhirsch, Samuel J., Montclair, N. J. Picker with leather nose. 1,745,082; Jan. 28.
- Danesi, Luigi, Newtown, near Sydney, New South Wales, assignor to one-half to H. D. Roberts, Cumbrae, Toronto, New South Wales, Australia. Trolley harp. 1,775,388; Sept. 9.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Metallurgical-furnace construction. 1,769,209; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Construction Company, Chicago, Ill. Furnace. 1,769,210; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Metallurgical furnace and port construction. 1,769,211; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Furnace and port construction. 1,769,212; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Metallurgical furnace. 1,769,213; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Open-hearth-port design. 1,769,366; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Open-hearth-furnace construction. 1,769,367; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Furnace construction. 1,769,368; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Open-hearth furnace. 1,769,492; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Open-hearth-furnace port. 1,769,493; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Open-hearth furnace. 1,769,494; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Furnace. 1,769,495; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Furnace construction. 1,769,496; July 1.
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Open-hearth-furnace port. 1,769,678; July 1.
- Danforth, George L., jr., and A. E. Peterson, assignors to Open Hearth Combustion Company, Chicago, Ill. Checkerwork. 1,766,283; June 24.
- Danforth, Harland A., assignor of one-half to R. M. Danforth, Lynn, Mass. Shock absorber. 1,771,290; July 22.
- Danforth, Ralph M. (See Danforth, Harland A., assignor.)
- Daniel, Benjamin M. (See Minnier, C. F., and Daniel.)
- Daniel, Earle H., Springfield, Ohio. Hitching device for tractor-drawn implements. 1,765,788; June 24.
- Daniel, Fidel F., Ironwood, Mich. Aeroplane catapult. 1,765,210; June 17.
- Daniel, Fred E., Indianapolis, Ind. Child's coaster. 1,747,227; Feb. 18.
- Daniel, J. E. B. (See Bess, Robert H., assignor.)
- Daniel, John, assignor to Koehring Company, Milwaukee, Wis. Power swing mechanism for paver booms. 1,751,266; Mar. 18.
- Daniel, John, assignor to Koehring Company, Milwaukee, Wis. Discharge chute and deflector. 1,759,807; May 20.
- Daniel, John, assignor to Koehring Company, Milwaukee, Wis. Automatic control for concrete-mixing machines. 1,759,808; May 20.
- Daniel, Thomas A. (See Siebs, C. T., and Daniel.)
- Daniels, Anthony, Newark, N. J. Receptacle and making same. 1,752,371; Apr. 1.
- Daniels, Arthur M., assignor to L. L. Brown Paper Company, Adams, Mass. Apparatus for handling webs. 1,773,709; Aug. 19.
- Daniels, Claude H., Newton Center, Mass. Shoe. Des. 82,079; Sept. 23.
- Daniels, Claude H., Newton Center, Mass. Boot or shoe and making same. 1,772,340; Aug. 5.
- Daniels, Eugene O., Toledo, Ohio. Duplex burner. 1,761,905; June 3.
- Daniels, Franklin M., Salina, Kans. Valve tool. 1,757,006; May 6.
- Daniels, Fred H., assignor to Riley Stoker Corporation, Worcester, Mass. Apparatus for pulverizing materials. 1,759,100; May 20.
- Daniels, John L. (See Surls, H. I., and Daniels.)
- Daniels, Joseph E., Clifton, N. J. Adjustable floating tool holder. 1,759,101; May 20.
- Daniels, Joseph S., assignor to Daniels Manufacturing Company, Rhineland, Wis. Dispensing device. 1,783,414; Dec. 2.
- Daniels, Lee G., Rockford, Ill. Water softener. 1,743,026; Jan. 7.
- Daniels, Lee G., Rockford, Ill. Water softener. 1,764,155; June 17.
- Daniels, Lloyd C., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of benzoic acid and its derivatives. 1,770,393; July 15.
- Daniels Manufacturing Company. (See Daniels, Joseph S., assignor.)
- Daniels, Sam, mfg., Inc. (See Daniels, Samuel, assignor.)
- Daniels, Samuel, assignor to Sam Daniels Mfg., Inc., Hardwick, Vt. Furnace. 1,773,520; Aug. 19.
- Daniels & Schuck, Inc. (See Schuck, Harold P., assignor.)
- Daniels, William O., Laredo, Tex. Well-testing tool. 1,745,833; Feb. 4.
- Danielson, Charles, assignor to Ericson-Nelson Manufacturing Company, Minneapolis, Minn. Folding ironing table. 1,784,959; Dec. 16.
- Danielson, Charles, assignor to Hall Nelson Manufacturing Company, Minneapolis, Minn. Folding ironing table. 1,786,008; Dec. 23.
- Danielson, Gus O., Clarkia, Idaho. Bench vise. 1,764,507; June 17.
- Däniker, Alfred, Zurich, Switzerland. Rapid electric heat regulator. 1,775,553; Sept. 9.
- Danker, Gerhard, Oradell, N. J., assignor to Grandolier Lighting Fixture Co., New York, N. Y. Lighting-fixture base or article of similar nature. Des. 81,127; May 13.
- Danker, Karl, New York, N. Y. Armored car. 1,780,518; Nov. 4.
- Danko, Julius, Toledo, Ohio. Airplane. 1,766,284; June 24.
- Danks, A. C. (See Martin, Kingsley L., assignor.)
- Danks, Alfred C., Cleveland, Ohio, and K. L. Martin, Montclair, N. J. Water-tube boiler. 1,748,113; Feb. 25.
- Dann, Charles W. (See Schallis, C. A., and Dann.)
- Dann, Charles W. (See Smith, B. M., and Dann.)
- Dann, Joseph A., Miami, Fla., assignor to S. Dann, a free dealer under the laws of Florida. Combined ash tray and cigarette-package container. 1,749,467; Mar. 4.
- Dann, Sarah, a free dealer. (See Dann, Joseph A., assignor.)
- Dann, Walter M. (See Hill, L. H., and Dann.)
- Dann, Walter M. (See Styer, C. A., and Dann.)
- Danner, D. George, and J. G. Thompson, Minburn, Iowa; said Thompson assignor to said D. George Danner. Plunger device for displaying merchandise. 1,747,429; Feb. 18.
- Danner, Edward, Newark, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Grinding machine. 1,763,647; June 17.
- Danner, Joseph R., Wilmar, Calif. Umbrella-fastening means for bags. 1,755,209; Apr. 22.
- Danner, Philip S., Point Richmond, and J. E. Muth, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. High-compression motor fuel. 1,779,061; Oct. 21.

- Danner, Philip S., Point Richmond, and J. E. Muth, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Metal amino carbonyls and making the same. 1,780,643; Nov. 4.
- Dansereau, Charles E., Warwick Downs, assignor to D. & S. Jewelry Co., Providence, R. I. Chain. 1,787,405; Dec. 30.
- Dansereau, Omer J., and T. Officer, Claremont, N. H., assignor to Sullivan Machinery Company. Valve for compressors and making the same. 1,768,830; July 1.
- Danver, Andrew C. (See Kirk, G., and Danver.)
- Danziger, Harold I., New York, N. Y., assignor to Condenser Corporation of America, Jersey City, N. J. Foil condenser and making the same. 1,767,206; June 24.
- Danziger, Harold I., New York, N. Y., and L. L. Jones, Oradell, N. J. Electron-discharge-tube amplifier system. 1,779,931; Oct. 28.
- Dapron, Joseph M., St. Louis, Mo., assignor to National Pneumatic Company, New York, N. Y. Door engine. 1,744,069; Jan. 21.
- Daragon, Marcel P., Lyon, France. Demountable gymnastic apparatus. 1,779,903; Oct. 28.
- Darbonne, Joseph, jr., Elton, La. Cotton harvester and picker. 1,749,468; Mar. 4.
- Darby, George A., East Orange, assignor to Orange Roller Bearing Company, Orange, N. J. Roller bearing. 1,783,957; Dec. 9.
- Darby, George M. (See Dorr, J. V. N., Darby, Terry, and Spicer.)
- Darby, Howard E. (See Klausmeyer, D. C., and Darby.)
- Darby, James K., assignor of one-third to L. C. Stoltz, Dayton, Ohio. Liquid-dispensing device. 1,771,326; July 22.
- Darby, John J., Washington, D. C. Sign. 1,751,455; Mar. 18.
- Darche, Albert A. A., Algiers, Algeria. Antiexplosive means with great turbulence for explosion motors. 1,783,603; Dec. 2.
- Darco Corporation. (See Bacon, Gilbert C., assignor.)
- Darco Corporation. (See Brandt, Millard, assignor.)
- Darco Corporation. (See Hill, Roy L., assignor.)
- Darco Sales Corporation. (See Mahler, Paul, assignor.)
- Dardani, Martin E. E., assignor, by mesne assignments, to The New England Filter Corporation, Fairfield, Conn. Gasoline filter. 1,784,622; Dec. 9.
- Dardelet, Hugues L., Nantes, France, assignor, by mesne assignments, to Dardelet Threadlock Corporation, New York, N. Y. Fastening device with instantaneous jamming. 1,754,938; Apr. 15.
- Dardelet, Hugues L., Nantes, France, assignor, by mesne assignments, to Dardelet Threadlock Corporation, New York, N. Y. Valve mechanism. 1,780,999; Nov. 11.
- Dardelet Threadlock Corporation. (See Dardelet, Hugues L., assignor.)
- Dardelet Threadlock Corporation. (See Hoke, William E., assignor.)
- Dardelet Threadlock Corporation. (See Thomson, Alfred M., assignor.)
- D'Ardenne, Walter H., Philadelphia, Pa., assignor to Heintz Manufacturing Company. Sealing door. 1,753,774; Apr. 8.
- D'Ardenne, Walter H., J. Landis, and L. H. Christensen, assignors to Heintz Manufacturing Company, Philadelphia, Pa. Automatic welding. 1,751,077; Mar. 18.
- Dargavel, James B., St. Paul, Minn. Dental brush. 1,744,365; Jan. 21.
- Dargent, Charles, Brooklyn, N. Y. Water heater. 1,786,337; Dec. 23.
- Dark, Ray O., Shreveport, La. Revetment. 1,768,309; June 24.
- Darkins Hasp Lock Company. (See Schwimer, M. J., and Repcheck, assignors.)
- D'Arlet, Kama, New York, N. Y. Wrist vanity case. 1,777,027; Sept. 30.
- Darley, William S., Chicago, Ill. Gas gun. 1,772,070; Aug. 5.
- Darling, Elton R., Decatur, Ill., assignor, by mesne assignments, to Cornstalk Products Company, Inc., New York, N. Y. Nonfibrous cellulose flour and making same. 1,751,267; Mar. 18.
- Darling, Frank L., assignor to open E-Z Crown Co. Inc., Long Beach, Calif. Removing crimped caps. 1,777,077; Sept. 30.
- Darling, George W., Baldwin, assignor of one-half to J. P. Schultheiss, New York, N. Y. Wrist-watch strap. 1,778,313; Oct. 14.
- Darling, Harry R., Rochester, N. Y. Process and apparatus for spray coating. 1,746,228; Feb. 4.
- Darling, John F., Garden City, N. Y. Vertically ascending and descending aeroplane. 1,747,890; Feb. 18.
- Darling, Lewis A., Glenside, assignor to Electric Service Supplies Company, Philadelphia, Pa. Glass-retaining means for headlights. 1,768,747; July 1.
- Darling, Louis H., Vallejo, Calif. Gun cleaner. 1,786,520; Dec. 30.
- Darling, William H., London, Ontario, Canada. Waste-pipe fitting. 1,781,719; Nov. 18.
- Darlington, Francis G., San Francisco, Calif. Switch-box plate cover. 1,784,277; Dec. 9.
- Darlington, John B., Bellefonte, Pa. Headlight. 1,758,825; May 13.
- Darlington, Joseph J., Winston-Salem, N. C. Electrical flash light. 1,755,472; Apr. 22.
- D'Armon, Hazel, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,963; Sept. 9.
- D'Armon, Hazel, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,964; Sept. 9.
- D'Armon, Hazel, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,965; Sept. 9.
- D'Armon, Hazel, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,966; Sept. 9.
- D'Armon, Hazel, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,967; Sept. 9.
- Darnell, Jacob H., Houston, Tex. Ice carrier. 1,751,031; Mar. 18.
- Darnell, Walter R., Long Beach, Calif. Furniture glide. 1,753,599; Apr. 8.
- Darnell, Walter R., Long Beach, Calif. Furniture glide. 1,753,600; Apr. 8.
- Daron, Edward F., Coeur d'Alene, Idaho. Pump. 1,773,347; Aug. 19.
- Darque, Etienne, Clichy, France. Machine for opening tins of canned goods. 1,783,534; Dec. 2.
- Darrach, Bradford, et al. (See Jones, Archdale J., assignor.)
- Darragh, Edwin E., New York, N. Y. Display container. 1,775,338; Sept. 9.
- Darrah, William A., Chicago, Ill. Automatically measuring and apparatus therefor. 1,746,525; Feb. 11.
- Darrah, William A., Chicago, Ill. Heat-treating machine. 1,750,924; Mar. 18.
- Darrin, Marc, Pittsburgh, Pa., assignor to F. N. Burt Company, Limited, Toronto, Canada. Composition of matter and forming same. Re17,867; Nov. 11.
- Darrow, Burgess, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Constructing pneumatic tires. 1,779,391; Oct. 21.
- Darrow, Burgess, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making tires. 1,779,392; Oct. 21.
- Darrow, Burgess, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Wheel assembly. 1,781,273; Nov. 11.
- Darrow, Marius S., St. Louis, Mo., W. J. Hart, East St. Louis, Ill., F. G. Gronemeyer, St. Louis, Mo., and Francis B. Watkins Edwardsville, Ill., assignors to The Barber Asphalt Company, Philadelphia, Pa. Machinery for manufacturing shingles. 1,765,058; June 17.
- Darrow, William W. (See Helnen, F. C., and Darrow.)
- Darrow, William W. (See Madland, G., and Darrow.)
- Darrow, William W. (See Tobin, K. J., and Darrow.)
- Darsey, Van M. (See Green, M., and Darsey.)
- Darst, James M., East Cleveland, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Vacuum-cleaner-brush bearing. 1,755,054; Apr. 15.
- Dart, David A., Salida, Colo. Lunch cabinet. 1,776,890; Sept. 30.
- Dart, Robert H., Sacramento, Calif. Automobile jack. 1,750,663; Mar. 18.
- Dartmoor China Clay Company, Limited, The. (See Parker, Thomas W., assignor.)
- Dasch, Adam, New York, N. Y. Illuminated sign. 1,779,764; Oct. 28.
- Da Shiell, Benjamin C., Seattle, Wash. Key tag. Des. 80,435; Feb. 4.
- Das, Peter. (See Bunge, R. W., and Das.)
- Date, William E. (See Newlin, H. S. and Date.)
- Dath, Charles E., assignor to W. H. Miner, Inc., Chicago, Ill. Yoke means. 1,766,609; June 24.
- Datlow, Joseph. (See London, A., and Datlow.)
- Daubensneek, William J., assignor to The Ignition Manufacturing Company, Cleveland, Ohio. Spark plug. 1,771,400; July 29.
- Daubmeyer, Dewey C., and W. H. Gross, Detroit, Mich. Reel. 1,742,584; Jan. 7.
- Daubner, George H., Pontiac, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Engine support. 1,761,973; June 3.
- Dauch, Alan D., assignor to George J. Hagan Company, Pittsburgh, Pa. Rotary-hearth furnace. 1,782,956; Nov. 25.
- Daudt, Herbert W., Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkylated lead. 1,749,567; Mar. 4.
- Daudy, Marc H., assignor to North American Lace Company, Philadelphia, Pa. Lace. Des. 81,274; June 3.
- Dauer, Ernest I., Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Ornamental device. 1,783,223; Dec. 2.
- Dauer, Louis E., and William H. N. Shipman, assignors, by mesne assignments, to Hedman Manufacturing Company, Chicago, Ill. Change-making machine. 1,773,348; Aug. 19.
- Daugert, Peter, Wilkes-Barre, H. Frey, Kingston, and J. J. Dunleavy, Plymouth, Pa. Flyer for spinning and like machines. 1,756,899; Apr. 29.
- Daughaday, Frank P., assignor to Freeman-Daughaday Company, Providence, R. I. Collar button. 1,779,227; Oct. 21.
- Daugherty, James N., Masury, Ohio. Milk-bottle holder. 1,742,237; Jan. 7.
- Daukus, John F., Detroit, Mich. Flywheel. 1,753,365; Apr. 8.
- Daukus, John F., Detroit, Mich. Clutch mechanism. 1,774,254; Aug. 26.
- Daukus, John F., Detroit, Mich. Friction clutch. 1,777,399; Oct. 7.
- Daum, Harry, Pittsburgh, Pa. Furnace construction. 1,786,829; Dec. 30.

- Daun, Carl L., assignor to Silcock Airadiator Corp., Milwaukee, Wis. Electric motor and dynamo machine. 1,744,263; Jan. 21.
- D'Autremont, Louis F., assignor of one-half to A. S. Dane-man, Dayton, Ohio. Stencil sheet. 1,781,834; Nov. 18.
- Dautrick, Owen L., Detroit, Mich. Overhead swingable door for garages and the like. 1,757,955; May 13.
- Dauvillier, Alexandre, Paris, France. Television system. 1,766,885; June 24.
- Davenport, Arthur E., Maywood, Ill. Tank pump. 1,742,901; Jan. 7.
- Davenport, Arthur E., Maywood, Ill. Means to prevent substitution of oil and the like products. 1,759,734; May 20.
- Davenport, Frederick H., Meadville, Pa. Expanding reamer. 1,774,701; Sept. 2.
- Davenport, Herman A., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Leveling machine. 1,753,404; Apr. 8.
- Davenport, Herman A., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Leveling machine. 1,773,261; Aug. 19.
- Davenport, Herman A., Brockton, and N. F. Hopkins, Rock-land, Mass., assignors to United Shoe Machinery Cor-poration, Paterson, N. J. Method and apparatus for treat-ing soles and soles so treated. 1,772,038; Aug. 5.
- Davenport, John D., Laurel Canyon, Calif. Hydraulic sprayers. 1,754,710; Apr. 15.
- Davenport, John P., San Rafael, Calif. Awning. 1,742,437; Jan. 7.
- Davenport, Leonard M. (See Johnson, Eric G., assignor.)
- Davenport Machine Tool Co. (See Davenport, W. S., and Thomas, assignors.)
- Davenport, Ransom W., Detroit, Mich., assignor to Chi-cago Pneumatic Tool Company, New York, N. Y. Re-frigerating and ice-making cabinets. 1,758,073; May 13.
- Davenport, Ransom W., Detroit, Mich., assignor to Chi-cago Pneumatic Tool Company, New York, N. Y. Heat-transforming apparatus. 1,758,074; May 13.
- Davenport, Ransom W., Detroit, Mich., assignor to Chi-cago Pneumatic Tool Company, New York, N. Y. Re-frigerating process and apparatus. 1,769,017; July 1.
- Davenport, Ransom W., Detroit, Mich., assignor to Chi-cago Pneumatic Tool Company, New York, N. Y. Heat removal from heat-transforming apparatus. 1,769,111; July 1.
- Davenport, Ransom W., Detroit, Mich., assignor to Chi-cago Pneumatic Tool Company, New York, N. Y. Process of and apparatus for transforming heat. 1,769,112; July 1.
- Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Refrigerat-ing process and apparatus. 1,769,113; July 1.
- Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Process and apparatus for producing refrigeration. 1,769,114; July 1.
- Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Mechanical-refrigerator cabinet. 1,769,115; July 1.
- Davenport, Ransom W., Detroit, Mich., assignor to Chi-cago Pneumatic Tool Company, New York, N. Y. Evaporator for refrigerating systems. 1,769,116; July 1.
- Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Refrigerat-ing and ice-making apparatus. 1,769,117; July 1.
- Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Mechanical refrigerator. 1,769,118; July 1.
- Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Condensing system. 1,769,119; July 1.
- Davenport, Ransom W., Detroit, Mich., assignor to Chi-cago Pneumatic Tool Company, New York, N. Y. Con-densing process and apparatus. 1,779,116; Oct. 21.
- Davenport, Sam F., Auburn, assignor to The Creek Chub Bait Co., Garrett, Ind. Swivel attachment for fish-hooks. 1,744,366; Jan. 21.
- Davenport, Sam F., Auburn, assignor to The Creek Chub Bait Co., Garrett, Ind. Artificial bait. 1,778,065; Oct. 14.
- Davenport, William S., and W. A. Thomas, assignors to Davenport Machine Tool Co., Inc., Rochester, N. Y. Automatic machine tool. 1,750,836; Mar. 18.
- Daves, Bruner R. (See Westrip, E. D., and Daves.)
- Davey Development Company. (See Davey, Paul H., as-signor.)
- Davey, George T. (See Hopkins, R. Z., Fellers, and Davey.)
- Davey, George W. (See Waite, F. H., and Davey.)
- Davey, Hazel W., Los Angeles, Calif. Statuette or similar article. Des. 81,959; Sept. 9.
- Davey, James A. (See Davey, Paul H. and J. A.)
- Davey, James A. (See Davey, P. H., Jacobs, and Davey.)
- Davey, Mason, Blenheim, New Zealand. Means for use in the securing of lids to fruit and other cases. 1,747,860; Feb. 18.
- Davey, Paul H., assignor to Davey Development Company, Kent, Ohio. Tractor attachment. 1,772,071; Aug. 5.
- Davey, Paul H., Kent, Ohio, and J. A. Davey, Sound Beach, Conn. Tree-moving apparatus. 1,764,935; June 17.
- Davey, Paul H., and H. L. Jacobs, Kent, Ohio, and J. A. Davey, Sound Beach, Conn.; said H. L. Jacobs as-signor to The Davey Tree Expert Company, Kent, Ohio. Treating trees and apparatus therefor. 1,756,453; Apr. 29.
- Davey Tree Expert Company, The. (See Davey, P. H., Jacobs, assignors, and Davey.)
- Davey, William, Cleveland, Ohio. Device for recutting valve seats. 1,759,968; June 24.
- David, Albert, assignor, by mesne assignments, to Dlp-It Inc., New York, N. Y. Liquid dyeing, coloring, and tinting composition. 1,747,861; Feb. 18.
- David, Aubrey D., assignor to The Universal Oil Products Company, Chicago, Ill. Destructive distillation of petro-leum oil. 1,766,983; June 24.
- David, Aubrey D., assignor to Universal Oil Products Com-pany, Chicago, Ill. Cracking hydrocarbon oil. 1,774,228; Aug. 26.
- David, Auguste G., and P. Gisclon, Villeurbanne, France. Machine for rupturing the ends projecting from wire heddles. 1,752,733; Apr. 1.
- David, Bruce W., Cleveland, assignor to W. M. Scott, Lakewood, Ohio. Variable resistance unit. 1,751,231; Mar. 18.
- David, William H., Tottenville, N. Y. Tire valve and cap. 1,769,663; July 1.
- Davidoff, Samuel, Milwaukee, Wis. Pocket reenforcement. 1,767,967; June 24.
- Davids, George L. (See Palmer, William H., assignor.)
- Davidson, Archer, Brighton, Mass., assignor to Westing-house Electric & Manufacturing Company. Power plant. 1,781,368; Nov. 11.
- Davidson, Arthur C., assignor to Dycast Steel Company, Collinsville, Conn. Making high-speed-steel tool castings. 1,742,849; Jan. 7.
- Davidson, Arthur P., Odessa, Tex. Lifting device for mo-tor vehicles. 1,783,224; Dec. 2.
- Davidson, Charles E., Clinton, Ill. Tool holder for grind-stones. 1,773,448; Aug. 19.
- Davidson, Clinton, San Francisco, Calif. Internal-combus-tion engine. 1,759,187; May 20.
- Davidson & Company Limited. (See Whitmore, John, as-signor.)
- Davidson & Company, Limited, of Sirocca Engineering Works. (See Whitmore, John, assignor.)
- Davidson, Frank A., Pasadena, Calif. Conveyer for mix-ers. 1,759,003; May 20.
- Davidson, Frederic A., Chicago, Ill., assignor to American Safety Device Co., New York, N. Y. Coupling device. 1,762,572; June 10.
- Davidson, Frederic A., Bayside, assignor to American Safety Device Co., New York, N. Y. Supporting means for advertising signs. 1,776,785; Sept. 30.
- Davidson, Frederick L., Halifax, Nova Scotia, Canada. Dishwashing machine. 1,757,831; May 6.
- Davidson, George A. (See Halloran, R. A., Davis, and Davidson.)
- Davidson, Glenn. (See Laucks, I. F., and Davidson.)
- Davidson, Ivy B. (See Davidson, James D. and I. B.)
- Davidson, James D. and I. B., Bend, Oreg. Wheeled toy. 1,743,325; Jan. 14.
- Davidson, James H., and R. S. Wade, assignors, by mesne assignments, to Hood Rubber Company, Inc., Water-town, Mass. Gum-stock trimmer. 1,751,575; Mar. 25.
- Davidson, John, jr. (See Phelps, H. E., and Davidson.)
- Davidson, John, jr., Montclair, N. J., and D. L. Moody, Hempstead, N. Y., assignors to American Telephone and Telegraph Company. Signaling system. 1,754,224; Apr. 15.
- Davidson, Joseph, assignor to Davidson-Kennedy Company, Atlanta, Ga. Apparatus for treating oleaginous ma-terial. 1,782,714; Nov. 25.
- Davidson, Joseph G., Yonkers, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Refrigerant. 1,765,211; June 17.
- Davidson, Joseph G., Yonkers, N. Y., assignor to Carbide and Carbon Chemicals Corp. Composition containing cellulose esters. 1,770,153; July 8.
- Davidson, Joseph G., Yonkers, N. Y., and E. W. Reid, Pittsburgh, Pa., assignors to Carbide & Carbon Chemi-cals Corporation. Plastic casein composition. 1,772,131; Aug. 5.
- Davidson-Kennedy Company. (See Davidson, Joseph, as-signor.)
- Davidson, Louis, New York, N. Y. Arch or truss shoe. 1,783,958; Dec. 9.
- Davidson, Philip, assignor to International Combustion En-gineering Corporation, New York, N. Y. Central lubri-cation system for roller-mill rollers. 1,782,867; Nov. 25.
- Davidson, Philip, New York, N. Y., and J. Crites, Evans-ton, Ill., assignor to International Combustion En-gineering Corporation, New York, N. Y. Pneumatic feed-regulating mechanism. 1,784,483; Dec. 9.
- Davidson, Steven F., Orange, Calif. Article of food and method of making. 1,778,485; Oct. 14.
- Davidson, Walter C., North Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,767,744; June 24.
- Davidson, William A., Aberdeen, Wash. Slab-debarking machine. 1,759,188; May 20.
- Davidson, William D., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Crown block. 1,783,328; Dec. 2.
- Davidson, William D., assignor to Emsco Derrick & Equip-ment Company, Los Angeles, Calif. Draw works for use with hild drives. 1,783,914; Dec. 2.

- Davidson, William J., Detroit, and L. Blackmore, Highland Park, assignors to General Motors Corporation, Detroit, Mich. Coincidental lock. 1,746,214; Feb. 4.
- Davies, Arthur S., Cleveland, Ohio. Protector for curtains. 1,758,249; May 13.
- Davies, Caleb, jr., Poland, Ohio. Apparatus for gasifying coal and the like. 1,784,985; Dec. 16.
- Davies, David P., assignor to J. I. Case Company, Racine, Wis. Internal-combustion engine. 1,779,088; Oct. 21.
- Davies, David R., Didsbury, England, assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,764,435; June 17.
- Davies, Leonard G., Weldstone, England. Capsuling apparatus. 1,758,433; May 13.
- Davies, Thomas D., McKeesport, Pa., assignor to National Tube Company. Drill tube. 1,761,709; June 3.
- Davies, Thomas D., McKeesport, Pa., assignor to National Tube Company. Expansible pipe joint. 1,779,902; Oct. 28.
- Davies, W. Sanders, et al., trustees. (See Davis, Kenneth, assignor.)
- Davin, George H., Cassel, Germany, assignor to Schmidt'sche Heissdampf G. m. b. H., Cassel-Wilhelmshöhe, Germany. Apparatus for maintaining a predetermined water level in steam boilers. 1,781,749; Nov. 18.
- Davin, Walter W., deceased; J. N. Liautaud, administrator, assignor of one-half to R. Malcolm and one-half to C. F. Vee, Chicago, Ill. Float switch. 1,775,020; Sept. 2.
- Davis, Albert G., Pueblo, Colo. Railway switch. 1,761,105; June 3.
- Davis, Albert J., New York, N. Y. Pasteurizing apparatus. 1,760,686; May 27.
- Davis, Alex B., Cincinnati, Ohio, assignor, by mesne assignments, to Keystone Watch Case Corporation, Riverside, N. J. Process of and product for photographic etching. 1,751,908; Mar. 25.
- Davis, Alex B., Cincinnati, Ohio, assignor, by mesne assignments, to Keystone Watch Case Corporation, Riverside, N. J. Photographic resist and process of photographic etching. 1,751,909; Mar. 25.
- Davis, Alex B., Cincinnati, Ohio, assignor to A. B. Dick Company, Chicago, Ill. Stencil sheet and manufacturing the same. 1,763,955; June 17.
- Davis, Alex B., Cincinnati, Ohio, assignor to A. B. Dick Company, Chicago, Ill. Stencil manufacture. 1,771,165; July 22.
- Davis, Alice M. (See Goby, Clifford S., assignor.)
- Davis, Alton H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-pressing machine. 1,785,938; Dec. 23.
- Davis, Alvan L., Waterbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Metal article. 1,767,653; June 24.
- Davis, Annie A. (See Francisco, George H., assignor.)
- Davis, Archibald H., jr., assignor to Shaw-Perkins Manufacturing Company, Pittsburgh, Pa. Heat-exchanging apparatus. 1,780,294; Nov. 4.
- Davis, Arthur J., et al. (See Chessman, Cedric S., assignor.)
- Davis, Arthur J., Comanche, Okla. Mulcher. 1,757,418; May 6.
- Davis, Arthur P., Brooklyn, N. Y. Gyroscope supporting and centering apparatus. 1,743,533; Jan. 14.
- Davis, Arthur P., New York, N. Y. Synchronizing apparatus. 1,769,988; July 8.
- Davis, Arthur P., New York, N. Y. Gyroscopic direction finder. 1,773,172; Aug. 19.
- Davis, Arthur P., New York, N. Y. Direction indicator. 1,773,808; Aug. 26.
- Davis, Arthur P., Santa Barbara, Calif. Bee-comb-frame construction. 1,773,221; Aug. 19.
- Davis, Augustine, jr. (See Betts, A. L., and Shield, assignor.)
- Davis, Augustine, jr. (See Duerr, Leonard H., assignor.)
- Davis, Augustine, jr. (See Haupt, Walter H., assignor.)
- Davis, Augustine, jr. (See Shield, Paul S., assignor.)
- Davis, Augustine, jr., Cincinnati, Ohio. Safety device for tanks. 1,749,179; Mar. 4.
- Davis, Augustine, jr., Cincinnati, Ohio. Truck tank. 1,774,086; Aug. 26.
- Davis, Augustine, jr., Cincinnati, Ohio. Hydraulically-operated tank valve. 1,781,369; Nov. 11.
- Davis, Augustine, jr., Cincinnati, Ohio. Safety device for tanks. 1,785,729; Dec. 23.
- Davis, Benjamin F., Sayre, Okla. Merry-go-round. 1,744,617; Jan. 21.
- Davis Boring Tool Company. (See Davis, Emery E., assignor.)
- Davis Boring Tool Company. (See Davis, E. E., and Koeln, assignors.)
- Davis Boring Tool Company. (See Koeln, Christian C., assignor.)
- Davis, Cecil J., assignor to The Ohio Machine Tool Company, Kenton, Ohio. Shaper. 1,766,168; June 24.
- Davis, Charles C. (See Nagle, Edward, assignor.)
- Davis, Charles D., et al. (See Chessman, Cedric S., assignor.)
- Davis, Charles D., et al. (See Crawley, Mansfield C., assignor.)
- Davis, Charles D., and E. L. Yewell, Washington, D. C. Apparatus for making plate glass. 1,746,695; Feb. 11.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Power shovel. 1,747,162; Feb. 18.
- Davis, Charles E., Chicago, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,765,524; June 24.
- Davis, Charles E., Davenport, Fla., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose material. 1,765,525; June 24.
- Davis, Charles E., Davenport, Fla., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,765,570; June 24.
- Davis, Charles H., and H. W. Lueck, Park Ridge, assignors to Mathias Klein and Sons, Chicago, Ill. Snap. 1,755,286; Apr. 22.
- Davis, Chester L., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Signaling system. 1,756,086; Apr. 29.
- Davis, Chester L., Keokuk, Iowa, assignor to Wired Radio, Inc., New York, N. Y. Frequency-adjusting means for high-frequency signaling systems. 1,763,224; June 10.
- Davis, Chester L., Keokuk, Iowa, assignor to Wired Radio, Inc., New York, N. Y. Indicator system. 1,763,225; June 10.
- Davis, Clarence K., and A. Dick, Los Angeles, Calif. Thermostatic electric switch. 1,766,430; June 24.
- Davis, Clarence R., Detroit, assignor to Davis Tool & Engineering Company, Detroit, Mich. Costumer. 1,742,344; Jan. 7.
- Davis, Clarence R., assignor to Davis Tool & Engineering Company, Detroit, Mich. Shield for automobile radiators. 1,787,035; Dec. 30.
- Davis, Cortland W., Oak Park, assignor to The Mantle Lamp Company of America, Chicago, Ill. Blue-flame mantle lamp. 1,744,298; Jan. 21.
- Davis, Cortland W., Oak Park, assignor to The Mantle Lamp Company of America, Chicago, Ill. Chimney. 1,761,616; June 3.
- Davis, Cortland W., Oak Park, and F. F. Becker, Chicago, assignors to The Mantle Lamp Company of America, Chicago, Ill. Vacuum-insulated receptacle and protective jacket therefor. 1,779,117; Oct. 21.
- Davis, David L., Thornbury Village, Ill., assignor to Michael-George Company, Libertyville, Ill. Pencil. Des. 81,529; July 8.
- Davis, David R., Los Angeles, Calif. Laterally-stable air vehicle. 1,751,622; Mar. 25.
- Davis, David R., Los Angeles, Calif. Screw propeller. 1,786,644; Dec. 30.
- Davis, David R., Didsbury, England, assignor to Westinghouse Electric & Manufacturing Company. Sectional electrical bus bar. 1,786,830; Dec. 30.
- Davis, Dean W., and T. M. Hardy, assignors to National Laboratories Corporation, Pendleton, Ind. Ozone-producing device. 1,768,891; July 1.
- Davis, Dred W., assignor of one-half to K. B. Nickerson, Siluria, Ala. Automatic stop motion for spinning frames. 1,757,295; May 6.
- Davis, Dunlap & Barney. (See Davis, Paul A., 3d, assignor.)
- Davis, Durrel H., assignor to Highway Trailer Company, Edgerton, Wis. Heavy-duty trailer. 1,762,915; June 10.
- Davis, Durrel H., and L. E. Williams, assignors to Highway Trailer Company, Edgerton, Wis. Trailer-frame structure. 1,743,436; Jan. 14.
- Davis, Durrel H., and L. E. Williams, assignors to Highway Trailer Company, Edgerton, Wis. Trailer-frame structure. 1,743,437; Jan. 14.
- Davis, Durrel H., and L. E. Williams, assignors to Highway Trailer Company, Edgerton, Wis. Pole trailer. 1,748,976; Mar. 4.
- Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Hairpin. 1,752,893; Apr. 1.
- Davis, Edward H., Cincinnati, Ohio. Aeroplane. 1,749,021; Mar. 4.
- Davis, Edwin S., New York, N. Y. Steam hose and making the same. 1,746,821; Feb. 11.
- Davis, Eli S., Kansas City, Mo. Valve-lifting device. 1,749,875; Mar. 11.
- Davis, Elmer A., Chicago, Ill. Radio apparatus. 1,743,657; Jan. 14.
- Davis, Elmer A., Detroit, Mich. Screen and banger therefor. 1,753,264; Apr. 8.
- Davis, Elmer W., Newton, Mass., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Index tab for record guides. 1,753,285; Apr. 8.
- Davis, Emery E., assignor, by mesne assignments, to Davis Boring Tool Company, St. Louis, Mo. Boring tool. 1,746,381; Feb. 11.
- Davis, Emery E., and C. C. Koeln, assignors, by mesne assignments, to Davis Boring Tool Company, St. Louis, Mo. Cylinder-reboring machine. 1,745,207; Jan. 28.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Piston construction. 1,751,445; Mar. 18.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing-machine element for pressing machines. 1,755,778; Apr. 22.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing machine and actuating mechanism therefor. 1,763,648; June 17.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Multiple-pressing apparatus. 1,777,517; Oct. 7.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing element for pressing machines. 1,782,137; Nov. 18.

- Davis, Ernest L., assignor to The Acetylene Stove Manufacturing Company, Cleveland, Ohio. Burner. 1,768,234; June 24.
- Davis, Ernest W., Oak Park, Ill. Safety razor. 1,777,914; Oct. 7.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricant compressor. 1,757,236; May 6.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,758,250; May 13.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,758,251; May 13.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Joint. 1,762,548; June 10.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,767,515; June 24.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system and apparatus. 1,767,516; June 24.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating means. 1,770,071; July 8.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Liquid-handling means. 1,778,936; Oct. 21.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,779,208; Oct. 21.
- Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,781,948; Nov. 18.
- Davis, Frances W., Waltham, Mass. Pump. 1,766,610; June 24.
- Davis, Francis H., et al. (See Maehren, George, assignor.)
- Davis, Frank L., jr., Kenilworth, assignor to The Watson-Stillman Co., New York, N. Y. Drop-pit apparatus. 1,751,076; Mar. 18.
- Davis, Frank M., Milwaukee, Wis., and A. C. Hoeh, Pontiac, Mich., assignors to Davis & Thompson Company, Milwaukee, Wis. Continuously-operating multiple lathe. 1,782,138; Nov. 18.
- Davis, Frank W., Milford, Del., assignor to S. G. Allen, trustee. Smelting of ferro alloys in blast furnaces. 1,744,213; Jan. 21.
- Davis, Frederick W., Kingston-upon-Hull, assignor to F. L. Smith and Company, Limited, London, England. Apparatus for delivering regular quantities of granular or pulverized material. 1,755,103; Apr. 15.
- Davis & Furber Machine Company. (See Ambye, Anthon, assignor.)
- Davis & Furber Machine Company. (See Howes, Irving C., assignor.)
- Davis & Furber Machine Company. (See Leonard, Herman H., assignor.)
- Davis & Furber Machine Company. (See Owen, Henry A., assignor.)
- Davis & Furber Machine Company. (See Randall, Joseph W., assignor.)
- Davis & Furber Machine Company. (See Tibbetts, John F., assignor.)
- Davis, Garvin H., Healdton, Okla. Tire-inflating device. 1,750,214; Mar. 11.
- Davis, George H., Cape Elizabeth, Me. Opera chair. 1,743,211; Feb. 25.
- Davis, George H., Providence, R. I. Vending machine. 1,761,386; June 3.
- Davis, George H., Augusta, Me. Landing gear for airplanes. 1,766,245; June 24.
- Davis, George H., Richmond, Va. Mechanism for operating aeroplane brakes and similar structures. 1,773,521; Aug. 19.
- Davis, George L., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Washing machine. 1,748,442; Feb. 25.
- Davis, Harold G., assignor to The Davis and Son Manufacturing Company, Denver, Colo. Oil-dispensing device. 1,782,715; Nov. 25.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Salvage-trimming mechanism. Re17,582; Feb. 4.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Let-off mechanism for looms. 1,749,131; Mar. 4.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Warp stop mechanism. 1,757,940; May 6.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,761,617; June 3.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,761,618; June 3.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Loom. 1,763,613; June 10.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Thread-parting mechanism for looms. 1,765,324; June 17.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Driving-rod connection for loom let-off mechanism. 1,771,777; July 29.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Warper. 1,780,891; Nov. 4.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,785,225; Dec. 16.
- Davis, Harry P., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tube connector. 1,768,669; July 1.
- Davis, Harry R., Nashua, N. H. Combination sign and awning. 1,785,809; Dec. 23.
- Davis, Henry K. B., New York, N. Y., assignor to Swingrite Co., Inc., Providence, R. I. Golf-club shaft. 1,762,216; June 10.
- Davis, Henry K. B., Mamaroneck, assignor to Mavis Machine Corporation, New York, N. Y. Method and apparatus for shaping shafts. 1,767,836; June 24.
- Davis, Herbert L. (See Perrault, J. E., and Davis.)
- Davis, Herman C., and L. D. Harnett, assignors to The Buckeye Blower Company, Columbus, Ohio. Unit heating and ventilating apparatus. 1,749,417; Mar. 4.
- Davis, Horace A., Erie, Pa., assignor to General Electric Company. Brake system. 1,760,543; May 27.
- Davis, James E., Glen Cove, N. Y. Toy dog team and sled. Des. 82,489; Nov. 11.
- Davis, James H., Birmingham, Ala. Communion service. 1,778,888; Oct. 21.
- Davis, James M., Smackover, Ark. Portable starter for heavy internal-combustion engines. 1,779,089; Oct. 21.
- Davis, Jesse W., Wenatchee, Wash. Labeling machine. 1,776,490; Sept. 23.
- Davis, Joel D., Smithfield, Va. Peanut digger. 1,757,654; May 6.
- Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid-dispensing apparatus. 1,746,382; Feb. 11.
- Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid-dispensing apparatus. 1,749,469; Mar. 4.
- Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid-dispensing apparatus. 1,752,068; Mar. 25.
- Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid-dispensing apparatus. 1,779,270; Oct. 21.
- Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid-dispensing apparatus. 1,779,904; Oct. 23.
- Davis, John D., Richmond, Va. Hydraulic brake. 1,775,310; Sept. 9.
- Davis, John E., Columbus, Ohio. Fare recording and receipt device. 1,774,823; Sept. 2.
- Davis, John H., New York, N. Y., assignor to Air Line Transportation Company, Philadelphia, Pa. Airplane. 1,761,710; June 3.
- Davis, John H., New York, N. Y., assignor to Air Line Transportation Company, Philadelphia, Pa. Impelling device. 1,780,580; Nov. 4.
- Davis, John S., Los Angeles, Calif. Poison container. 1,744,022; Jan. 14.
- Davis, John U., assignor of one-half to T. E. Westbrook, Eldorado, Kans. Long-stroke pumping mechanism. 1,761,330; June 3.
- Davis, John W. (See De Baufre, W. L., and Davis.)
- Davis, John W., Fort Worth, Tex., assignor to S. G. Allen, trustee. Liquefaction apparatus. 1,744,108; Jan. 21.
- Davis, Joseph R., Clarksburg, W. Va. Shoulder strap. 1,765,300; June 17.
- Davis, Kenneth, assignor, by mesne assignments, to R. Peale, St. Benedict, Pa.; W. S. Davies, New York, N. Y.; and W. S. Wallace, Philadelphia, Pa., trustees. Circuit-controlling mechanism. 1,755,431; Apr. 22.
- Davis, Kenneth, St. Benedict, Pa., assignor, by mesne assignments, to R. Peale, W. S. Davies, and W. S. Wallace, trustees. Sizing mechanism. 1,759,480; May 20.
- Davis, Kenneth, St. Benedict, Pa., assignor, by mesne assignments, to Rembrandt Peale, W. S. Davies, and W. S. Wallace, trustees. Cable-actuating mechanism. 1,762,765; June 10.
- Davis, Kenneth, assignor to R. Peale, R. Peale, and R. Peale, jr., trustees, St. Benedict, Pa. Mechanism and system for conveying loose materials. 1,771,778; July 29.
- Davis, Kenneth, St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for dividing inter-mixed materials. 1,786,738; Dec. 30.
- Davis, Kenneth, St. Benedict, Pa., assignor, by mesne assignment, to Peale-Davis Company, Wilmington, Del. Mechanism and process for separating intermixed divided materials. 1,787,340; Dec. 30.
- Davis, Kenneth, Ebensburg, assignor to R. Peale, St. Benedict, Pa., W. S. Davies, New York, N. Y., and W. S. Wallace, Philadelphia, Pa., trustees. Pump. 1,770,683; July 15.
- Davis, Kenneth, Ebensburg, Pa., assignor to R. Peale, W. S. Davies, and W. S. Wallace, trustees. Machine for handling loose materials. 1,781,978; Nov. 18.
- Davis, Kenneth, Ebensburg, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed materials. 1,782,391; Nov. 18.
- Davis, Kenneth, Ebensburg, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed materials. 1,782,392; Nov. 18.
- Davis, Kenneth, Ebensburg, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Method and mechanism for separating divided materials. 1,786,739; Dec. 30.

- Davis, Kenneth, Ebensburg, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Method and mechanism for separating inter-mixed materials. 1,786,740; Dec. 30.
- Davis, Lee I., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Control system. 1,768,122; June 24.
- Davis, Lewis, Maida Vale, London, assignor of one-half to Boosey & Company Limited, London, England. Mute for brass wind and like musical instruments. 1,776,216; Sept. 16.
- Davis, Lewis F., Santa Ana, Calif. Fishing tool. 1,773,962; Aug. 26.
- Davis, Lewis F., Santa Ana, Calif. Oil-well packing head. 1,774,196; Aug. 26.
- Davis, Lewis H., Upper Darby, and R. T. Kingsford, Wyncote, assignors to Atwater Kent Manufacturing Company, Philadelphia, Pa. Loud speaker. 1,767,837; June 24.
- Davis, Louis D., Philadelphia, Pa. Stencil sheet and applying same to workable surfaces. 1,744,870; Jan. 28.
- Davis, Louis E., Seminole, Okla. Well-fishing tool. 1,785,299; Dec. 16.
- Davis, M. G. (See Binlon, Robert E. L., assignor.)
- Davis, M. J., et al. (See Crawford, Harry H., assignor.)
- Davis, Mary E., administratrix. (See Radford, L., and Davis.)
- Davis, Maurice E., Grand Rapids, Mich., assignor by mesne assignments, to H. E. Moyses, Akron, Ohio. Applying paints or cements to skived articles or the like. 1,771,166; July 22.
- Davis, McClellan, Portland, Oreg. Aeroplane-control device. 1,786,193; Dec. 23.
- Davis, Melvin H., Seattle, Wash. Calendar. 1,786,230; Dec. 23.
- Davis, Nathan H., Philadelphia, Pa., assignor to Keystone Lantern Company, Bail holder. 1,760,687; May 27.
- Davis, Noel. (See Radford, L., and Davis.)
- Davis, Ossian C., Racine, Wis. Heating apparatus. 1,778,146; Oct. 14.
- Davis, Otis L., assignor to Brainard Steel Corporation, Warren, Ohio. Box-strap seal. 1,786,151; Dec. 23.
- Davis, Paul A., 3d., assignor to Davis, Dunlap & Barney, Philadelphia, Pa. Bank counter. 1,755,917; Apr. 22.
- Davis, R. L., sr., et al. (See Baker, James C., assignor.)
- Davis, Rae W., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Motor drive. 1,762,130; June 3.
- Davis, Richard C. (See Nicoll, R. I. D., Davis, and von Nostitz.)
- Davis, Robert L., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Modulation system. 1,744,214; Jan. 21.
- Davis, Robert L., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective system for triodes. 1,749,568; Mar. 4.
- Davis, Robert L., and D. G. Little, Wilksburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Vacuum-tube circuits. 1,751,232; Mar. 18.
- Davis, Robert L., Pittsburgh, and J. P. Stakel, Edgewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Inductor. 1,760,975; June 3.
- Davis, Rodger W. (See Cowell, R. F., and Davis.)
- Davis, Robert W., Ozone Park, N. Y. Vehicle spring. 1,774,503; Sept. 2.
- Davis, Roy P. M. (See Johnson, Arthur, assignor.)
- Davis, Roy P. M., Mount Union, Pa. Brickmaking machine. 1,766,285; June 24.
- Davis, Roy P. M., Mount Union, Pa. Brick-making machine. 1,766,286; June 24.
- Davis, Roy P. M., Mount Union, Pa. Mold. 1,774,547; Sept. 2.
- Davis, Roy P. M., Mount Union, Pa. Brickmaking machine. 1,779,209; Oct. 21.
- Davis, Roy P. M., Mount Union, Pa. Racking machine. 1,779,210; Oct. 21.
- Davis and Son Manufacturing Company, The. (See Davis, Harold G., assignor.)
- Davis, Tenney L., Norwell, Mass. Explosive and solvent therefor. 1,754,417; Apr. 15.
- Davis, Tenney L., Norwell, Mass. Di-alkyl urea. 1,785,730; Dec. 23.
- Davis, Tenney L., Norwell, Mass., assignor of one-half to W. O. Snelling, Allentown, Pa. Compound of cobalt cyanate with a tertiary base. 1,750,160; Mar. 11.
- Davis, Tenney L., Norwell, Mass., assignor of one-half to W. O. Snelling, Allentown, Pa. Chemical thermometer composition. 1,777,353; Oct. 7.
- Davis, Thomas J. (See Likens, L. C., and Davis.)
- Davis & Thompson Company. (See Davis, F. M., and Hoeh, assignors.)
- Davis Tool & Engineering Company. (See Davis, Clarence R., assignor.)
- Davis, Walter B., Aurora, Ill. Speed regulator for motor vehicles. 1,765,659; June 24.
- Davis, Walter T., Wheeling, assignor to Wheeling Stamping Company, Wheeling, W. Va. Closure for collapsible tubes and the like. 1,778,625; Oct. 14.
- Davis, Warren H., Nashua, N. H. Chicken battery. 1,785,858; Dec. 23.
- Davis, Wilfred J., Plymouth, England, assignor to Radio Corporation of America. Selective calling device. 1,763,390; June 10.
- Davis, William C., Preston, Wash. Shingle and making same. 1,785,830; Dec. 23.
- Davis, William H., assignor of one-half to H. N. Hulander, Brooklyn, N. Y. Stock carrier and delivery device. 1,745,784; Feb. 4.
- Davis, William L., and R. Whyte, Lansing, assignors to General Motors Corporation, Detroit, Mich. Thermostatic valve with by-pass. 1,743,997; Jan. 14.
- Davis, William N. (See Halloran, R. A., Davis, and Davidson.)
- Davis, William O., Huntington, W. Va., assignor of one-half to J. A. Dobyns, Proctorville, Ohio. Oil-gauge wiper. 1,770,300; July 8.
- Davis, William R., et al. (See Crawley, Mansfield C., assignor.)
- Davis, Windsor. (See Kauffman, L. A., and Davis.)
- Davison, Allen S., Company. (See Meyer, Albert P., assignor.)
- Davison, David, Oakland, and W. L. Corson, deceased, by J. A. Roberts, administrator, Alameda, assignors to Union Gas Engine Company, Oakland, Calif. Automatic control for internal-combustion engines. 1,747,578; Feb. 18.
- Davison, Frederick, Sudbury, Ontario, Canada. Automatic draft control for furnaces. 1,769,497; July 1.
- Davitt, John L., and N. K. Hanks, Duke Center, Pa. Oil-tank separator. 1,748,541; Feb. 25.
- Davock, Harlow N., Birmingham, Mich. Ramp structure. 1,771,671; July 29.
- Davol Rubber Co. (See Wesley, Perley R., assignor.)
- Davy, Christopher H., Beckenham, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam generator. 1,743,326; Jan. 14.
- Davy, Mary J. A., New York, and A. P. Komow, Brooklyn, N. Y.; said Komow assignor to said Davy Punching and cutting machine. 1,761,906; June 3.
- Davydoff, Leonide. (See Rebikoff, Wassily, assignor.)
- Daw, Joseph, Quebec, Quebec, Canada, assignor to Brown Company, Berlin, N. H. Portable chain saw. 1,766,013; June 24.
- Dawe, Albert J. (See Wilms, G. O., and Dawe.)
- Dawes, Arthur W., Cedarhill, assignor to General Aniline Work, Inc., New York, N. Y. Reduction of aromatic nitro compounds. 1,765,660; June 24.
- Dawes, George H., Bratenahl, and M. C. Lewis, Lakewood, Ohio. Gaseous-fuel-mixing device. 1,779,422; Oct. 28.
- Dawes, Roy A., Seattle, Wash. Eye shade. 1,759,041; May 20.
- Dawley, Herbert M., Chatham, N. J., and F. C. Reilly, New York, N. Y.; said Dawley assignor to said Reilly. Stage-vision apparatus. 1,775,237; Sept. 9.
- Dawsett, George. (See Knapp, William D., assignor.)
- Dawson, Albert S., Glenville, Conn., assignor to Read Machinery Company, York, Pa. Whisk whip. 1,786,603; Dec. 30.
- Dawson, Charles W., assignor to Dayton Scale Company, Dayton, Ohio. Feeding device for slicing machines. 1,746,242; Feb. 11.
- Dawson, Clarence L., Los Angeles, Calif. Color mixer. 1,744,449; Jan. 21.
- Dawson, Elma N. (See Dawson, James C., assignor.)
- Dawson, George H., Cambridge, Mass., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Card index. 1,752,294; Apr. 1.
- Dawson, George H., Cambridge, Mass., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Card index. 1,756,852; Apr. 29.
- Dawson, George H., Cambridge, Mass., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Hinge member for cards. 1,760,401; May 27.
- Dawson, George H., Boston, assignor to Service Bureau, Inc., Cambridge, Mass. Visible strip index. 1,761,877; June 3.
- Dawson, Howard B. (See Trudel, H. L., and Dawson.)
- Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose-leaf binder. 1,751,135; Mar. 18.
- Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose-leaf binder. 1,769,120; July 1.
- Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose-leaf binder. 1,782,647; Nov. 25.
- Dawson, James W., Stickney, assignor to B. G. Brennan, Chicago, Ill. Valve. 1,770,900; July 22.
- Dawson, John, Leaside, Ontario, assignor to Dawson Reciprocating Crank Actions Limited, Toronto, Canada. Crank mechanism. 1,748,443; Feb. 25.
- Dawson, Leo H., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Piezo-electric crystal apparatus. 1,766,037; June 24.
- Dawson Reciprocating Crank Actions Limited. (See Dawson, John, assignor.)
- Dawson, Vernon B., and I. B. Penton, Wilmington, Del. Solderless battery terminal. 1,770,748; July 15.
- Day, Alva G., South Edmeston, N. Y., assignor, by mesne assignments, to K-P-C Company. Dehydrating cheese. 1,752,521; Apr. 1.
- Day-Brite Reflector Company. (See Biller, David J., assignor.)
- Day-Brite Reflector Company. (See Klingsick, Oswald W., assignor.)
- Day, Charles H., Ridgewood, and R. Komarnitsky, Paterson, assignors to New Standard Aircraft Corporation, Paterson, N. J. Airplane. 1,774,593; Sept. 2.
- Day, Charles M. (See McClellan, L. N., Kinzie, Savage, and Day.)
- Day, David E., Los Angeles, Calif. Process of and apparatus for distilling and cracking hydrocarbon oils. 1,764,391; June 17.

- Day, David T., deceased, Washington, D. C.; F. J. Goble, administrator. Obtaining nicotine carbolates from crude shale oil. 1,762,471; June 10.
- Day, Fred A., assignor to The Day Wood Heel Company, Cincinnati, Ohio. Heel-breasting machine. 1,758,030; May 13.
- Day, George H., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,750,630; Mar. 18.
- Day, Harry G., and W. E. Skinner, Minneapolis, Minn. Smoke-disposal and draft-inducing apparatus for locomotives. 1,768,748; July 1.
- Day, Herschel M., Cannonsburg, Pa. Furnace for burning garbage and other refuse. 1,761,878; June 3.
- Day, Howard D., assignor to Roterkleen Manufacturing Company, Providence, R. I. Device for washing golf balls. 1,787,306; Dec. 30.
- Day, Ivan E., Edgerton, Ohio. Car seal. 1,781,540; Nov. 11.
- Day, J. H., Company, The. (See Kirchhoff, William G., assignor.)
- Day, J. H., Company, The. (See Mason, Erwin S., assignor.)
- Day, J. H., Company, The. (See Schiff, Sigmund, assignor.)
- Day, J. H., Company, The. (See Tellefsen, Theodore J., assignor.)
- Day, James C., South Orange, assignor to The Whitehead and Hoag Company, Newark, N. J. Button receptacle. 1,765,325; June 17.
- Day, James C., South Orange, assignor to The Whitehead and Hoag Company, Newark, N. J. Button receptacle. 1,785,186; Dec. 16.
- Day, Jeremiah C., Lexington, Ky. Bunion corrector. 1,785,185; Dec. 16.
- Day, Leonard, assignor to Lincoln Builders Supply Co., Inc., Brooklyn, N. Y. Door-peephole frame. Des. 81,867; Aug. 26.
- Day and Night Auto Safety Signal Company. (See Jami-son, Claude T., assignor.)
- Day and Night Water Heater Company. (See Grayson, John H., assignor.)
- Day, Percy C., assignor to The Falk Corporation, Milwaukee, Wis. Gear set. 1,759,689; May 20.
- Day, Percy C., assignor to The Falk Corporation, Milwaukee, Wis. Ferryboat. 1,781,656; Nov. 11.
- Day, Salisbury M., assignor to General Railway Signal Company, Rochester, N. Y. Contact-mounting means. 1,748,912; Feb. 25.
- Day, Salisbury M., assignor to General Railway Signal Company, Rochester, N. Y. Projector for light signals. 1,748,913; Feb. 25.
- Day, Salisbury M., Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y. Sighting attachment for electric semaphore lamps. 1,765,865; June 24.
- Day, Salisbury M., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 1,766,611; June 24.
- Day, Salisbury M., assignor to General Railway Signal Company, Rochester, N. Y. Copper-carbon contact. 1,785,618; Dec. 16.
- Day, Salisbury M., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Color-light signal. 1,785,694; Dec. 16.
- Day, Sarah R., Austin, Tex., assignor of one-half to O. McConathy, Glen Ridge, N. J. Musical chart. 1,747,350; Feb. 18.
- Day, William H., East Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or file. 1,756,853; Apr. 29.
- Day, William H., East Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or file. 1,774,229; Aug. 26.
- Day, William H., East Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. File cabinet. 1,777,165; Sept. 30.
- Day, William H., East Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or file. 1,780,006; Oct. 28.
- Day, William P., Cleveland Heights, Ohio. Forming roadbeds for railways. 1,745,744; Feb. 4.
- Day, William P., Cleveland Heights, Ohio. Roadbed construction. 1,745,745; Feb. 4.
- Day, William P., Cleveland Heights, Ohio. Roadbed construction. 1,745,746; Feb. 4.
- Day, William P., Cleveland Heights, Ohio. Roadbed construction for railways. 1,745,747; Feb. 4.
- Day, William P., Cleveland Heights, Ohio. Forming roadbeds for railways. 1,745,748; Feb. 4.
- Day, William P., Cleveland Heights, Ohio. Shock-absorber attachment. 1,750,510; Mar. 11.
- Day, William P., Cleveland Heights, Ohio. Forming a reinforced concrete construction. 1,770,154; July 8.
- Day, William P., Cleveland Heights, assignor to The International Steel Tie Company, Cleveland, Ohio. Railroad tie. 1,763,037; June 10.
- Day Wood Heel Company, The. (See Day, Fred A., assignor.)
- Day, Zeno W., Newark, N. J. Display device. 1,767,745; June 24.
- Dayes, Frederick E., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Vehicle roof structure. 1,748,114; Feb. 25.
- Dayton Greenhouse Manufacturing Company, The. (See Kinney, Earl, assignor.)
- Dayton Mfg. Company, The. (See Schumacher, John C., assignor.)
- Dayton Paper Novelty Company, The. (See Neumann, Theodore L., assignor.)
- Dayton Pump & Manufacturing Company, The. (See Eickmeyer, Earl E., assignor.)
- Dayton Pump and Mfg. Co., The. (See Horvath, Anthony G., assignor.)
- Dayton Pump & Manufacturing Company, The. (See Huf-nagle, O. C., and Reichelderfer, assignors.)
- Dayton Pump & Manufacturing Company, The. (See Wolfe, Harley H., assignor.)
- Dayton Scale Company. (See Boyer, Frederick G. L., assignor.)
- Dayton Scale Company. (See Bryce, James W., assignor.)
- Dayton Scale Company. (See Dawson, Charles W., assignor.)
- Dayton Scale Company. (See Gilbert, William N., assignor.)
- Dayton Scale Company. (See Gullberg, Roy K., assignor.)
- Dayton Scale Company. (See Kaun, Eugene, assignor.)
- Dayton Scale Company. (See Ogsbury, James S., assignor.)
- Dayton Scale Company. (See Osgood, L. A., and Wolf, assignors.)
- Dayton Scale Company. (See Strachan, Thomas H., assignor.)
- Dayton Scale Company. (See Wood, George R., assignor.)
- Dayton Steel Foundry Company, The. (See Walther, George, assignor.)
- Dayton Steel Racquet Company, The. (See Norton, Harold W., assignor.)
- Deach, Miles F., Oakland, Calif. Adjustable lamp support. 1,753,553; Apr. 8.
- Deacon, Colin O., Welgedacht, Transvaal, South Africa. Derailing tubs, trucks, and the like in the event of their attaining an excessive speed. 1,749,803; Mar. 11.
- Deacon, Colin O., Welgedacht, Transvaal, South Africa. Derailing tubs, trucks, and the like. 1,776,107; Sept. 16.
- Deacon, Colin O., Welgedacht, Transvaal, South Africa. Derailing tubs, trucks, and the like. 1,776,108; Sept. 16.
- Deacon, Edward F., assignor, by mesne assignments, to Brecht Casing Company, St. Louis, Mo. Refrigerated display case. 1,744,070; Jan. 21.
- Deacon, Percy J., Lakeworth, Fla. Tendering meats. 1,784,580; Dec. 9.
- Deaderick, William F., Wind Rock, Tenn. Mine-car tippie. 1,743,958; Jan. 14.
- Deagan, J. C., Inc. (See Jones, Murvin L., assignor.)
- Deagan, J. C., Inc. (See Schluter, Henry J., assignor.)
- Deakides, Nicholas, Athens, Ga. Toy. Des. 82,801; Dec. 16.
- Deakin, Arthur, Montreal, Quebec, Canada. Chain conveyer. 1,746,383; Feb. 11.
- Deal, Edmond E., Ashley, Pa. Spring. 1,774,424; Aug. 26.
- Deal Electric Co. (See Ludwig, Andrew, assignor.)
- Deal, Fred H., Bridgeton, assignor, by mesne assignments, to Elmire Corporation, Trenton, N. J. Jack. 1,778,521; Oct. 14.
- Deal, T. C. (See Hobson, Benjamin F., assignor.)
- De Alcocer, Francisco O., Los Angeles, Calif. Automobile radiator cap. 1,755,316; Apr. 22.
- Deale, Robert C. (See Greenleaf, G. E., and Deale.)
- Deale, Robert C., Plainfield, N. J., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Electric circuits for planers. 1,759,547; May 20.
- Deale, Robert C., Plainfield, N. J., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Planer-control system. 1,759,548; May 20.
- Dean, Andrew W., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Loop bearing. 1,751,980; Mar. 25.
- Dean, Charles G., Milwaukee, Wis. Portable electric water heater. 1,767,122; June 24.
- Dean, Clyde, Chicago, Ill. Printing press. 1,749,470; Mar. 4.
- Dean, Dion K., Rahway, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Heat exchanger. 1,764,200; June 17.
- Dean, Dion K., Rahway, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Apparatus for condensing steam. 1,782,986; Nov. 25.
- Dean, George, Armthorpe, near Doncaster, and H. Ainsley, Seascale, England; said Ainsley assignor to said Dean. Liquid-supply system. 1,752,261; Mar. 25.
- Dean, George, Armthorpe, near Doncaster, England. Conversion of reciprocatory motion to rotary motion, or the converse. 1,761,429; June 3.
- Dean, George E., Scranton, Pa. Apparatus for coal preparation. 1,770,027; July 8.
- Dean, George E., assignor to C. C. Willett, Grand Rapids, Mich. Road scraper. 1,765,969; June 24.
- Dean, George H., Norwood, R. I. Cap for building columns. 1,784,091; Dec. 9.
- Dean, George H., Norwood, R. I. Cap for building columns. 1,784,092; Dec. 9.
- Dean, Joseph M., Somerset, Mass. Life-saving equipment for submariners. 1,772,306; Aug. 5.
- Dean, Peter P., Stamford, Conn., assignor, by mesne assignments, to Cutler-Hammer, Inc. Portable valve operating mechanism. 1,755,432; Apr. 22.

- Dean, Peter P., New Canaan, Conn., assignor to The Limitorque Corporation. Control means for power-operated mechanisms. 1,764,936; June 17.
- Dean, Philip, Madison, Wis. Knockdown shelving. 1,782,119; Nov. 18.
- Dean, Reginald S., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Oxidation inhibitor. 1,764,609; June 17.
- Dean, Samuel W. (See Bailey, A., and Dean.)
- Dean, Samuel W., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Coordination of direction-finder observations. 1,759,938; May 27.
- Dean, Samuel W., Brooklyn, and C. N. Anderson, New York, N. Y., assignors to American Telephone and Telegraph Company. Privacy-signaling system. 1,784,891; Dec. 16.
- Dean, Samuel W., Houlton, Me., assignor to American Telephone and Telegraph Company. Staggered-wave antenna system. 1,773,097; Aug. 19.
- Dean, Stuart, Indianapolis, Ind. Combination drive and oil pump. 1,785,112; Dec. 16.
- Dean, Walter C., assignor to Union Steel Products Company, Albion, Mich. Poultry coop or crate. 1,760,936; June 3.
- Dean, William E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,742,379; Jan. 7.
- Deane, John B., Brooklyn, N. Y. Radio loud-speaker. 1,743,194; Jan. 14.
- Deane, John B., Brooklyn, N. Y. Loud-speaker diaphragm mounting. 1,766,014; June 24.
- De Angelis, Aniceto, Clairton, Pa. Level. 1,765,060; June 17.
- Deans, Ralph, near Atlanta, Ga. Corsage retainer. 1,778,246; Oct. 14.
- Deans, William, East Orange, N. J., and H. J. Kaufman, Chicago, Ill., assignors to Sundh Electric Company, Newark, N. J. System of motor control. 1,750,161; Mar. 11.
- Dearborn, Arthur S., Chicago, Ill. Burner. 1,773,173; Aug. 19.
- Dearborn, Clayton M., Lynn, Mass. Horse. 1,742,637; Jan. 7.
- Dearborn, Clinton H., Hampton, Va., assignor to A C Spark Plug Company, Flint, Mich. Crank-case-ventilator valve. 1,746,215; Feb. 4.
- Dearborn Company, The. (See Wood, Joseph E., assignor.)
- Dearborn, Richard J., Summit, N. J., assignor to The Texas Company, New York, N. Y. Method and apparatus for cracking hydrocarbon oils. 1,783,010; Nov. 25.
- Dearing, David M., assignor to Van P. Dearing, Parma, Mich. Seat spring. 1,777,463; Oct. 7.
- Dearing, Van Perrine. (See Dearing, David M., assignor.)
- Dearmann, James, assignor to N. A. Boehm and S. Rosen, Milwaukee, Wis. Fuel mixer. 1,764,096; June 17.
- Deason, Roy, Small Heath, England. Receiving apparatus. 1,763,459; June 10.
- Deasy, John A., Los Angeles, assignor of one-half to B. H. Schindler, Southgate, Calif. Bolt. 1,776,580; Sept. 23.
- De Atley, Carroll, assignor to Superior Steam Iron Company, Inc., Baltimore, Md. Electric iron. 1,764,246; June 17.
- Deaton, Matt. (See Busby, Junius E., assignor.)
- Deatz, Adam C., Kansas City, Mo. Weed guard for fishing lines. 1,768,033; June 24.
- Deaver, John T., et al. (See Dwelle, Walter K., assignor.)
- Deaver, Virgil. (See Deaver, Dan O., assignor.)
- De Ayestaran Luis, Zarauz, Spain. Insulating composition. 1,760,044; May 27.
- De Bataafsche Petroleum Maatschappij. (See Clercx van Keulen, Godefridus H., assignor.)
- De Bataafsche Petroleum-Maatschappij. (See Meijer, Reinier, assignor.)
- Debauche, Hubert, near Charleroy, Belgium. Producing fuel for industrial and domestic purposes. 1,746,767; Feb. 11.
- De Baufre, William L., Lincoln, Nebr., and J. W. Davis, Washington, D. C. Liquefaction. 1,786,898; Dec. 30.
- Debay, George C., Los Angeles, Calif. Apparatus for molding plastic blocks and the like. 1,753,405; Apr. 8.
- De Beaulieu, Leon, Hollywood, Calif., assignor, by mesne assignments, to Cinema Patents Company, Inc., New York, N. Y. Forming light strips for motion-picture-film printers. 1,781,000; Nov. 11.
- De Beaumont, Julien, Huntington Park, and E. H. Blum, Los Angeles, Calif. Apparatus for producing electric waves. 1,752,632; Apr. 1.
- Debelack, Alexander F., assignor to M. Mannis, Sheboygan, Wis. Baby conveyance. 1,762,680; June 10.
- De Bellescize, Henri J. J. M. de R. (See de Regnaud de Bellescize, Henri J. J. M.)
- De Bellescize, Henri J. J. M. de R., Paris, France. Oscillation control. 1,744,618; Jan. 21.
- Debenedetti, Rodolfo, assignor to Fabbrica Italiana Di Penne a Serbatoio Aurora, Turin, Italy. Fountain pen. 1,775,068; Sept. 2.
- De Benedictis, Charles, Palisades, N. J. Rug. 1,784,657; Dec. 9.
- Deberag, Deutsche Beratungsgesellschaft für die Chemische und Metallurgische Industrie m. b. h. (See Kramer, Andreas, assignor.)
- De Berker, Udo, W. Machin, and W. B. O'B. Goudielock, assignors to P-M G Metal Trust Limited, London, England. Manufacture of copper alloys. 1,777,192; Sept. 30.
- De Berry, William A., Baltimore, Md. Sign. 1,776,183; Sept. 16.
- Deblieux, John, Opelousas, La. Signaling device for motor vehicles. 1,768,034; June 24.
- De Boer, Jan H., and P. Clausing, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Discharge tube. 1,767,437; June 24.
- De Boer, Jan H., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Converting hafnium and zirconium salts. 1,771,557; July 29.
- De Boer, John H., Syracuse, N. Y. Bed stay. 1,785,075; Dec. 16.
- De Boer, Rudolph, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Automobile instrument panel. Des. 81,373; June 17.
- De Boigne, Maurice, Paris, assignor to Societe Anonyme des Anciens Etablissements Hotchkiss & Compagnie, St. Denis, Seine, France. Tripod mounting for firearms. 1,778,626; Oct. 14.
- De Bonal, Guy, Genas, and P. Masson, Villeurbanne, France. Self-locking control device. 1,764,937; June 17.
- Debor, Hermann, Munich, Germany. Manufacturing raw-cacothene plates. 1,781,370; Nov. 11.
- De Bothezat, George, New York, N. Y. Helicopter. 1,749,471; Mar. 4.
- De Bothezat, George, New York, N. Y. Fan unit. 1,752,372; Apr. 1.
- De Bothezat, George, New York, N. Y. Fan. 1,773,349; Aug. 19.
- De Bracht, Joseph, Altoona, assignor of one-half to C. H. Smith, Bedford, Pa. Knife attachment. 1,750,577; Mar. 11.
- Debrie, André Léon Victor Clément. (See Philippe, René E., assignor.)
- Debrie, André L. V. C., Paris, France. Cinematographic-view-taking apparatus. 1,743,027; Jan. 7.
- Debrie, André L. V. C., Paris, France. Film magazine. 1,747,931; Feb. 18.
- Debrie, André L. V. C., Paris, France. Transportable apparatus for projecting moving pictures. 1,758,783; May 13.
- Debrie, André L. V. C., Paris, France. Arrangement for holding object glasses in photographic or cinematographic apparatus. 1,777,257; Sept. 30.
- De Brouckere, Léon, Forest-Bruxelles, Belgium, and A. van Duyn, assignors to Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines volgens van Berkel's Patent en van Andere Werktuigen, Rotterdam, Netherlands. Weighing apparatus. 1,742,585; Jan. 7.
- De Bruijn, Emil, Roslyn, Pa. Safety fuse plug and receptacle therefor. 1,743,016; Jan. 7.
- De Bruijn, Emil, Roslyn, Pa. Folding chair. 1,763,455; June 10.
- De Bruin, Frederik H., Groningen, Netherlands. Driving belt. 1,770,301; July 8.
- Debs, Louis H., Chicago, Ill. Baking pan. 1,751,268; Mar. 18.
- Debski, Frank, New York, N. Y. Chair. Des. 80,607; Mar. 4.
- Debski, Frank, New York, N. Y. Chair. Des. 80,782; Mar. 25.
- Debski, Frank, New York, N. Y. Chair. Des. 81,181; May 20.
- Debus, Sander, Hastings, Nebr. Metallic frame construction. 1,773,449; Aug. 19.
- Deca-Disc Phonograph Company. (See Moore, William R., jr., assignor.)
- De Carle, Felix O., Los Angeles, Calif. Incinerator. 1,759,042; May 20.
- Decarie Incinerator Corporation. (See Woodman, Joseph C., assignor.)
- De Castro, Adolphe D., New York, N. Y. Incandescent lamp. 1,758,434; May 13.
- De Castro e Iznaga, Sergio, deceased, Habana, Cuba; J. de Castro y Plans and C. Iznaga y Ruiz, heirs. Combination lock. 1,744,707; Jan. 21.
- De Castro y Plans Iznaga; Juan, et al., heirs. (See de Castro e Iznaga, Sergio.)
- De Cesare, John. (See Ruggiero, G., and De Cesare.)
- De Cew, Judson A., Mount Vernon, assignor to Process Engineers, Inc., New York, N. Y. Sizing paper pulp. 1,753,775; Apr. 8.
- Dechert, Henry Z., Rexford, Kans. Yieldable rod coupler. 1,742,238; Jan. 7.
- De Christo, Francisco I., deceased, Horta, Fayal, Azores Islands, Portugal, by de Christo Rodrigues, administratrix, Oakland, Calif. Flying machine. 1,758,031; May 13.
- Deckel, Friedrich, Präzisionsmechanik und Maschinenbau. (See Braren, Lorenz K., assignor.)
- Decker, Alonzo G., Baltimore County, assignor to The Black & Decker Manufacturing Company, Towson, Md. Portable electric tapper. 1,752,422; Apr. 1.
- Decker, Alonzo G., Baltimore County, Md., assignor to Marschke Manufacturing Company, Indianapolis, Ind. Electric drive for grinder wheels. 1,781,133; Dec. 9.
- Decker, Arland A., Stockton, Calif. Banjo vibrator. 1,769,121; July 1.
- Decker, Frank L., Maywood, Ill. Footlight structure. 1,763,956; June 17.
- Decker, Harry R., assignor to Decker Oil Tool Company, Houston, Tex. Rotary slip. 1,745,409; Feb. 4.
- Decker, Harry R., assignor to Decker Oil Tool Company, Houston, Tex. Drill. 1,756,285; Apr. 29.

- Decker, James W., assignor to News Projection Corporation. New York, N. Y. Rewinding mechanism for the tape of news-projecting machines. 1,763,844; June 17.
- Decker, Jay J., Garrett, Pa. Shade holder for electric lamps. 1,765,212; June 17.
- Decker, John, and A. B. Green, Middletown, Ohio, and V. E. Nunez, assignors to Nashua Gummer & Coated Paper Company, Nashua, N. H. Method of and apparatus for producing transparent waxed paper. 1,757,620; May 6.
- Decker Oil Tool Company. (See Decker, Harry R., assignor.)
- Decker, Theodore H., Highland Park, Ill. Indicator for games. 1,749,418; Mar. 4.
- De Costa, Antone, Taunton, Mass. Mute. 1,775,089; Sept. 9.
- De Couet, Augustin E. J., Bromley, England. Container for semiliquid materials. 1,772,887; Aug. 12.
- De Courcy, John E., Worcester, Mass. Twister. 1,744,619; Jan. 21.
- De Croce, Gennero. (See McCoy, J. L., and De Croce.)
- Dederick, Helmer, assignor to T. & S. Corporation, Chicago, Ill. Cotter pin. 1,768,670; July 1.
- De Dorlodot, Eugene, Paris, France. Separating, disintegrating, and mixing apparatus. 1,767,353; June 24.
- Dedrick, David G., Groton, Conn. Sounding device. 1,782,139; Nov. 18.
- De Dudzele, Gaston, Paris, France. Device for treating rough tubes and analogous articles with lead. 1,780,870; Nov. 4.
- Deeble Motors Limited. (See Deeble, Roy E., assignor.)
- Deeble, Roy E., Long Beach, assignor to Deeble Motors Limited, Long Beach, Calif. Internal-combustion engine. 1,777,400; Oct. 7.
- Deere & Company. (See Bauer, Carl F., assignor.)
- Deere & Company. (See Brown, Theophilus, assignor.)
- Deere & Company. (See Brown, T., and Strandlund, assignors.)
- Deere & Company. (See Livesay, Robert C., assignor.)
- Deere & Company. (See Neighbour, Leonard B., assignor.)
- Deere & Company. (See Neighbour, L. B., and Thoman, assignors.)
- Deere & Company. (See Nelson, Nicholas R., assignor.)
- Deere & Company. (See Paradise, Louis A., assignor.)
- Deere & Company. (See Paradise, L. A., and Coultas, assignors.)
- Deere & Company. (See Paul, William L., assignor.)
- Deere & Company. (See Sklovsky, Mas, assignor.)
- Deere & Company. (See Strandlund, Carl G., assignor.)
- Deere & Company. (See White, Charles E., assignor.)
- Deere, John, Tractor Company. (See Witry, Louis W., assignor.)
- Deetjen, Richard, Berlin-Wilmersdorf, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. High-speed vessel. 1,782,863; Nov. 25.
- De Ferranti, Sebastian Z., assignor to Ferranti, Limited, Hollinwood, England. High-voltage electric transformer. 1,745,983; Feb. 4.
- De Ferranti, Sebastian Z., assignor to Ferranti, Limited, Hollinwood, England. Protection of metals. 1,752,239; Mar. 25.
- De Ferranti, Sebastian Z., assignor to Ferranti, Limited, Hollinwood, England. Electric transformer. 1,786,899; Dec. 30.
- Defibaugh, Mark A., assignor to L. E. Cass, Inc., Schenectady, N. Y. Making metal legs. 1,743,438; Jan. 14.
- De-Filippi, Carlo. (See Baccich, M., and De-Filippi.)
- De Filippis, Raymond, Brooklyn, assignor to H. D. Findley, New York, N. Y. Vehicle. 1,756,539; Apr. 29.
- De Fleury, Raymond, Paris, France. Piston for engines and manufacture of these pistons. 1,766,431; June 24.
- De Florez, Luis, Pomfret, Conn. Speed regulator and method of speed regulation. 1,749,569; Mar. 4.
- De Florez, Luis, Pomfret, Conn., assignor to The Texas Company, New York, N. Y. Apparatus for flow control. 1,768,353; June 24.
- De Florez, Luis, Pomfret, Conn. Flow stabilizer. 1,778,450; Oct. 14.
- De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Sound and picture recording camera. 1,761,619; June 3.
- De Forest, Lee, assignor to De Forest Phonofilm Corporation, New York, N. Y. Producing talking-motion-picture films. 1,764,938; June 17.
- De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Sound-reproducing device. 1,766,612; June 24.
- De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Binaural recording and reproducing sound. 1,769,907; July 1.
- De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Picture Corporation. Recording and reproducing sound. 1,769,908; July 1.
- De Forest, Lee, assignor to General Talking Picture Corporation, New York, N. Y. Switch mechanism for talking-motion-picture-exciting lamps. 1,769,909; July 1.
- De Forest, Lee, assignor to De Forest Phonofilm Corporation, New York, N. Y. Binaural recording and reproducing sound. 1,777,037; Sept. 30.
- De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Sound-picture photography. 1,777,828; Oct. 7.
- De Forest, Lee, New York, N. Y., and R. Halpenny, Washington, D. C., assignors, by mesne assignments, to General Talking Pictures Corporation. Loud-speaker. 1,785,377; Dec. 16.
- De Forest, Matthew J. (See Bradshaw, H. C., and De Forest.)
- De Forest Phonofilm Corporation. (See De Forest, Lee, assignor.)
- De Forest Radio Company. (See Nickl, E. F., and Cleveland, assignors.)
- De Forest Radio Telephone & Telegraph Company. (See Logwood, Charles V., assignor.)
- Defour, André, Peronne, France. Utilizing the tides for power purposes. 1,785,896; Dec. 23.
- De Fraine, Allan F. (See Degenhardt, W. R., de Fraine, and Bichnell.)
- De França e Silva, Cesar, Petropolis, Rio de Janeiro, Brazil. Mixing device. 1,777,656; Oct. 7.
- Defrance, Abel, Courbevoie, and E. and M. Pestel, Soissons, France. Gaseous-fuel-mixing device. 1,775,891; Sept. 16.
- De Francisci, Joseph, Brooklyn, N. Y. Hydraulic press. 1,753,742; Apr. 8.
- De Franco, Frank, assignor of one-half to G. Karnoupakis, Weirton, W. Va. Tire spreader. 1,771,401; July 29.
- De Freece, G. A. (See Doss, Jesse L., assignor.)
- De Freitas August, Honolulu, Hawaii. Amusement device. 1,756,854; Apr. 29.
- Defren, George, Newton, Mass. Treating cacao beans. 1,750,795; Mar. 18.
- De Freudenberg, Jean. (See Noack, W. G., and de Freudenberg.)
- De Freudenberg, Jean, Baden, and K. Frey, Ennetbaden, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Blading for reaction turbine. 1,749,528; Mar. 4.
- De Fries, Henry A., Albany, assignor to Ludlum Steel Company, Watervliet, N. Y. Manufacture of irons and steels. 1,775,339; Sept. 9.
- Defris, Rudolf, Stockerau, and R. Wälder, Vienna, Austria. Manufacture of activated carbon. 1,783,110; Nov. 25.
- De Garay, Francis, Brooklyn, assignor to Altmar Steel Products Company, Inc., New York, N. Y. Pipe sleeve. 1,762,766; June 10.
- De Garmo, Fred R., Kingston, assignor, by mesne assignments, to B. S. Forman, New York, N. Y. Fire extinguisher. 1,770,028; July 8.
- Degen, Lewis, Burlingame, Calif. Code register. 1,779,664; Oct. 28.
- Degener, Gustave O., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,773,098; Aug. 19.
- Degener, Gustave O., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,781,570; Nov. 11.
- Degener, Gustave O., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,781,571; Nov. 11.
- Degener, Gustave O., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,781,720; Nov. 18.
- Degener, Gustave O., assignor of one-half to M. Samburg and one-half to J. C. Hochman, New York, N. Y. Computing machine. 1,748,936; Feb. 25.
- Degener, Gustave O., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,757,516; May 6.
- Degener, Gustave O., Brooklyn, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,783,604; Dec. 2.
- Degener, Gustave O., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,784,047; Dec. 9.
- Degener, Gustave O., San Francisco, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Adding attachment for typewriting machines. 1,761,430; June 3.
- Degener, Gustave O., San Francisco, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Adding attachment for typewriting machines. 1,761,431; June 3.
- Degener, Gustave O., San Francisco, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Adding attachment for typewriting machines. 1,761,432; June 3.
- Degener, Gustave O., San Francisco, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Adding attachment for typewriting machines. 1,761,433; June 3.
- Degenhardt, William R., London, A. F. de Fraine, Wembley, and R. H. Bicknell, deceased, Westminster, by R. A. W. Bicknell London, and A. Bicknell, Birmingham, legal representatives, assignors to The Francois Cementation Company Limited, Doncaster, England. Liquid spring suspension for wave transmission tools. 1,771,672; July 29.
- De Gennar, Pascal, Rochester, N. Y. Combined bookcase, table, and seat. 1,775,307; Sept. 9.
- De Giers, Clarence A., New York, N. Y., assignor, by mesne assignments, to The Liquidometer Corporation, Wilmington, Del. Tank indicator. 1,749,419; Mar. 4.
- De Giers, Clarence A., New York, N. Y., assignor to Liquidometer Company, Wilmington, Del. Liquid level indicator. 1,772,929; Aug. 12.
- Dehn, Paul, Kiel-Dietrichsdorf, assignor to the firm Howaldtswerke Aktiengesellschaft, Kiel-Neumühlen-Dietrichsdorf, Germany. Floating dock for water aircraft. 1,752,894; Apr. 1.

- De Golyer, Roy E., Houston, Tex. Nutcracker. 1,762,573; June 10.
- De Graaf, Martin, Grand Rapids, Mich. Humidifier. 1,782,197; Nov. 18.
- De Grace, Edmund, Detroit, Mich. Railroad-track joint. 1,785,810; Dec. 23.
- De Graff, Wilbur C. (See Van Hamersveld, J. J. N., De Graff, and Cole.)
- De Groat, Wilson F. (See Bucknam, J. S., jr., and De Groat.)
- De Groote, Melvin, St. Louis, and B. Keiser, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,061; June 24.
- De Groote, Melvin, St. Louis, and B. Keiser, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,062; June 24.
- De Groote, Melvin, St. Louis, and L. T. Monson, Maplewood, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,057; June 24.
- De Groote, Melvin, St. Louis, and L. T. Monson, Maplewood, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,058; June 24.
- De Groote, Melvin, St. Louis, and L. T. Monson, Maplewood, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,059; June 24.
- De Groote, Melvin, St. Louis, and L. T. Monson, Maplewood, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,060; June 24.
- De Groote, Melvin, St. Louis, and L. T. Monson, Maplewood, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,063; June 24.
- De Groote, Melvin, St. Louis, and L. T. Monson, Maplewood, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,064; June 24.
- De Groote, Melvin, St. Louis, and L. T. Monson, Maplewood, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,065; June 24.
- De Groote, Melvin, St. Louis, L. T. Monson, Maplewood, and A. F. Wirtel, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,067; June 24.
- De Groote, Melvin, St. Louis, and L. T. Monson, Maplewood, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,112; June 24.
- De Groote, Melvin, St. Louis, and L. T. Monson, Maplewood, Mo., assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,780,343; Nov. 4.
- De Groote, Melvin, St. Louis, L. T. Monson, Maplewood, and A. F. Wirtel, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,780,344; Nov. 4.
- De Groote, Melvin, St. Louis, L. T. Monson, Maplewood, and A. F. Wirtel, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,780,345; Nov. 4.
- De Groote, Melvin, St. Louis, and A. F. Wirtel, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,766,066; June 24.
- De Guenther, Edward J., Milwaukee, Wis. Oil-treating apparatus. 1,745,248; Jan. 28.
- De Haan, Egbert, Grand Rapids, Mich. Surface finisher for turned work. 1,747,862; Feb. 18.
- De Haas, Johan C. (See Voorhoeve, N. A. J., and de Haas.)
- De Hart, William A., Teaneck, N. J., assignor to F. R. King, New York, N. Y. Electric flatiron. 1,745,410; Feb. 4.
- De Haven, Avery S. (See Fremon, J. A., and De Haven.)
- De Haven, Hugh, New Canaan, Conn. Kite. 1,744,529; Jan. 21.
- De Haven, Thomas H., Bellingham, Wash. Chain saw. 1,763,095; June 10.
- Dehle, Otto T., Watertown, assignor to Multi-Hydro Washing Machine Company, Boston, Mass. Washing machine. 1,775,554; Sept. 9.
- Dehle, Otto T., Watertown, assignor to Multi-Hydro Washing Machine Company, Boston, Mass. Washing machine. 1,783,415; Dec. 2.
- Dehmer, Erik A., assignor to Capulator-Aktiebolaget, Stockholm, Sweden. Screw propeller. 1,755,633; Apr. 22.
- Dehn, Joseph W., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,752,550; Apr. 1.
- Dehne, Karl, Burgstadt, Germany. Molding apparatus for making dentures and plates for dental purposes. 1,766,113; June 24.
- Dehne, Karl, Burgstadt, Germany. Holder for inlays, tooth crowns, and the like. 1,771,327; July 22.
- Dehnelt, Erich, Rossen, near Merseburg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Stable ammonium bicarbonate. 1,766,705; June 24.
- De Hora, Manuel H., New York, N. Y. Aircraft. 1,784,723; Dec. 9.
- Dehuff, Walter F., Glen Rock, Pa. Mixing machine. 1,781,321; Nov. 11.
- Dehydrators Incorporated. (See Cage, John H., assignor.)
- Deibel, Cyril P., Lakewood, assignor to General Dry Batteries, Inc., Cleveland, Ohio. Dry-cell-battery unit and casing therefor. 1,747,757; Feb. 18.
- Deibele, Stanaeslaus, Woodburn, Oreg. Insect trap. 1,786,704; Dec. 30.
- Deicke, Bernhard. (See Thiess, K., and Deicke.)
- Deierlein, Edward, Port Chester, N. Y. Coupling. 1,755,104; Apr. 15.
- Deimel, Richard F. (See Gillmor, R. E., and Deimel.)
- Deinet, Joseph, Milwaukee, assignor to The Newport Company, Carrollville, Wis. Preparation of chlorinated anthraquinones. 1,761,620; June 3.
- Deinstein, Abraham, Chicago, Ill. Cloth holder. 1,750,463; Mar. 11.
- De Iongh, Johan H., et al. (See Brons, Jan, assignor.)
- Deisler, Harry W., assignor to The Wellington Machine Company, Wellington, Ohio. Spring caster. 1,755,537; Apr. 22.
- Deisley, Edward J., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Door-window frame. 1,767,517; June 24.
- Deitel, Benjamin B., Brooklyn, N. Y. Novelty container. 1,778,522; Oct. 14.
- De Jahn, Fredrik W., and J. G. Dely, assignors to Chemical Research & Designing Corporation, New York, N. Y. Coated metal and making the same. 1,755,686; Apr. 22.
- De Jarnette, Henry W., assignor of one-half to J. C. Hol, Des Moines, Iowa. Ink-distributor-roller structure. 1,771,877; July 29.
- Dejean, Guillaume L., Montreal, Quebec, Canada. Feeding mechanism for boring bars. 1,769,773; July 1.
- De Jong, Hendrik, Eindhoven, Netherlands, assignor to General Electric Company. Method and apparatus for mounting filaments. 1,752,895; Apr. 1.
- De Jong, Hendrik, D. Lely, jr., and R. Shepherd, Eindhoven, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Contact plug. 1,751,981; Mar. 25.
- Dejour-Amsco Corporation. (See Shaw, Louis E., assignor.)
- De Kermor, Louis G., Edmonton, Alberta, Canada, assignor to Delway Heaters, Inc., New York, N. Y. Liquid-fuel-supply control means for burners. 1,770,913; July 22.
- Dekome, Arthur E., Cleveland, Ohio. Ball-bearing roller. 1,751,795; Mar. 25.
- De Koning, Arthur E., Portland, Oreg. Sawing machine. 1,778,971; Oct. 21.
- De Koning, Arthur E., Portland, Oreg. Sawing machine. 1,780,176; Nov. 4.
- De Korwin-Sokolowski, Joseph, Brussels, Belgium. Flying machine. 1,766,330; June 24.
- Delage, Phileas. (See Roy, Joseph W., assignor.)
- Delahaye, Walter H., Ottawa, Ontario, Canada. Four-drier paper-making machine. 1,743,808; Jan. 14.
- Delalande, André D. G., Paris, assignor of one-half to Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz, Montrouge, Seine, and one-half to l'Action à Distance, Paris, France. Teledynamic control apparatus. 1,744,620; Jan. 21.
- Delale, Emile, Paris, France. Roof for carriage bodies. 1,784,180; Dec. 9.
- De Lamar, Rudolph, New York, N. Y., assignor to H. S. Germond, jr., Bayonne, N. J. Portable elevator. 1,781,104; Nov. 11.
- De La Mare, Albert, San Francisco, Calif. Fire truck. Des. 82,661; Dec. 2.
- De Lamprecht, Rodolph, assignor of one-half to A. Shaw, Vancouver, British Columbia, Canada. Disinfecting device for sanitary flushing tanks. 1,745,010; Jan. 28.
- De Lancy, Imogene, New York, N. Y., assignor to Otis Company, Inc., Boston, Mass. Textile fabric. Des. 81,182; May 20.
- De Lancy, Imogene, New York, N. Y., assignor to Otis Company, Inc., Boston, Mass. Textile fabric. Des. 81,325; June 10.
- Deland, Benjamin, Euclid Village, assignor to S. Keller, Cleveland Heights, Ohio. Seat construction for folding chairs. 1,774,197; Aug. 26.
- De Land, John Del R., Pico, Calif. Orchard-protective system. 1,749,068; Mar. 4.
- Delaney, Ada W. (See Delaney, John H., assignor.)
- Delaney, Edward L., assignor to I. A. Delaney, Elyria, Ohio. Draftsman's fountain and lettering pen. 1,785,478; Dec. 16.
- Delaney, Irene A. (See Delaney, Edward L., assignor.)
- Delaney, John H., assignor to A. W. Delaney, Los Angeles, Calif. Plaster board. 1,778,008; Oct. 14.
- De Lange, Ambrose C., Kalispell, Mont. Carburetor. 1,781,218; Nov. 11.
- De Lannoy, George C., Yountville, Calif., assignor to Holland Furnace Company, Holland, Mich. Instantaneous electric water heater. 1,766,068; June 24.
- Delano Land Company. (See Goodwin, Norris, assignor.)
- Delanoy, Frederick W., and L. Deutsch, Rochester, Pa., assignors, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid-dispensing apparatus. 1,771,747; July 29.
- Delany & Company. (See Whitaker, William D., assignor.)
- Delany, Edward L., assignor to Delany Realty Corporation, Brooklyn, N. Y. Flush-valve operating lever. 1,766,491; June 24.
- Delany, Edward L., Brooklyn, N. Y. Spray nozzle. 1,769,178; July 1.
- Delany, Edward L., Brooklyn, N. Y. Rubber float valve. 1,775,934; Sept. 16.

- Delany, Edward L., Brooklyn, N. Y. Apparatus for-making composition-rubber float valves. 1,786,483; Dec. 30.
- Delany, Edward L., Brooklyn, N. Y. Handle. 1,787,105; Dec. 30.
- Delany, Percy, assignor of one-half to E. Schoeppe, Philadelphia, Pa. Swimming pool. 1,748,468; Feb. 25.
- Delany Realty Corporation. (See Delany, Edward L., assignor.)
- De la Peña Concepcion, Gabriel. (See Concepcion, Gabriel de la Peña.)
- De la Roza, Joaquin J., sr., Brooklyn, assignor to Bagasse Products Corporation, New York, N. Y. Recovering the fibrous material from sugar cane. 1,782,869; Nov. 25.
- Delas, Albert, Paris, France. Surface condenser. 1,776,349; Sept. 23.
- De Lashme, Faye, Palisades Park, N. J. Signal device. 1,766,613; June 24.
- De la Torre, Francisco, Chicago, Ill. Combination pencil. 1,785,187; Dec. 16.
- De La Tour Castelcicala, Filiberto, Rome, Italy. Rolling apron for airplane wings. 1,785,300; Dec. 16.
- Delattre-Seguy, Jean, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,766,246; June 24.
- Delattre-Seguy, Jean, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating hydrocarbon oil. 1,774,188; Aug. 26.
- Delattre-Seguy, Jean, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating oil. 1,782,809; Nov. 25.
- Delattre-Seguy, Jean, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for distilling liquids. 1,782,810; Nov. 25.
- Delattre-Seguy, Jean, assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 1,782,811; Nov. 25.
- De Laubenfels, Clarence R., Los Angeles, Calif. Weather strip. 1,744,450; Jan. 21.
- Delaux, Paul, assignor to Société Anonyme: Société des Phares et Equipments Electriques, Fontenay-sous-Bois, France. Headlight for motor or like vehicles. 1,758,561; May 13.
- Delaval-Crow, Thomas C., assignor to The New Departure Manufacturing Company, Bristol, Conn. Mounting for pinion shaft of rear axle. 1,781,219; Nov. 11.
- De Laval Separator Company, The. (See Beckman, Herman C., assignor.)
- De Laval Separator Company, The. (See Boyd, Frederic R. C., assignor.)
- De Laval Separator Company, The. (See Cleary, Walter D., assignor.)
- De Laval Separator Company, The. (See Forsberg, Erik A., assignor.)
- De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
- De Laval Separator Company, The. (See Hulbert, John L., assignor.)
- De Laval Separator Company, The. (See Jansson, Ernst T., assignor.)
- De Laval Separator Company, The. (See Landtblom, Frans O., assignor.)
- De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)
- De Laval Separator Company, The. (See McBerty, Ford H., assignor.)
- De Laval Separator Company, The. (See Petty, Earl, assignor.)
- De Laval Separator Company, The. (See Svensson, Karl J., assignor.)
- De Laval Separator Company, The. (See Wright, Bert R., assignor.)
- De Laval Steam Turbine Company. (See Birmann, Rudolph, assignor.)
- De Laval Steam Turbine Company. (See Kennedy, Frank W., assignor.)
- De Laval Steam Turbine Company. (See Peterson, Arvid, assignor.)
- De Laval Steam Turbine Company. (See Waller, Carl R., assignor.)
- Delaware Chemical Engineering Co. (See du Pont, Francis I., assignor.)
- Delaware, Lackawanna & Western Coal Company. (See Collins, Ernest V., jr., assignor.)
- Delaware, Lackawanna & Western Coal Company. (See Farley, E., and Landon, assignors.)
- Delaware, Lackawanna & Western Coal Company. (See Landon, Nathaniel R., assignor.)
- Delaware, Lackawanna & Western Coal Co. (See Mork, Harry S., assignor.)
- Delbon, Frank G., Brooklyn, N. Y. Article of manufacture for shoes. 1,771,673; July 29.
- Delco-Light Company. (See Campbell, J. G., and Warner, assignors.)
- Delco-Light Company. (See Dickey, Ernest, assignor.)
- Delco-Light Company. (See Fehr, John R., assignor.)
- Delco-Light Company. (See Fish, Mortimer W., assignor.)
- Delco-Light Company. (See Fisher, Harry G., assignor.)
- Delco-Light Company. (See Keilholtz, Lester S., assignor.)
- Delco-Light Company. (See Lee, Ralph L., assignor.)
- Delco Light Company. (See Midgley, Thomas, jr., assignor.)
- Delco-Light Company. (See Schmieding, Warren H. F., assignor.)
- Delco-Light Company. (See Starr, Frank F., assignor.)
- Delco Light Company. (See Warner, Clarence, assignor.)
- Delco Products Corporation. (See Aseltine, Fred E., assignor.)
- Delco Products Corporation. (See Aseltine, F. E., and Teeter, assignors.)
- Delco Products Corporation. (See Chryst, William A., assignor.)
- Delco Products Corporation. (See Elsey, George W., assignor.)
- Delco Products Corporation. (See Henning, Mortie, assignor.)
- Delco Products Corporation. (See Pontis, William G., assignor.)
- Delco Products Corporation. (See Teeter, Wilford H., assignor.)
- Delco Products Corporation. (See Whelan, James F., assignor.)
- Delco-Remy Corporation. (See Arthur, James L., assignor.)
- Delco-Remy Corporation. (See Badgley, Ollie V., assignor.)
- Delco-Remy Corporation. (See Baker, Russell W., assignor.)
- Delco-Remy Corporation. (See Bertsche, Ralph, jr., assignor.)
- Delco-Remy Corporation. (See Chryst, William A., assignor.)
- Delco-Remy Corporation. (See Chryst, W. A., and Elsey, assignors.)
- Delco-Remy Corporation. (See Chryst, W. A., and Walters, assignors.)
- Delco-Remy Corporation. (See Critchfield, Robert M., assignor.)
- Delco-Remy Corporation. (See Dewey, Fred G., assignor.)
- Delco-Remy Corporation. (See Dyer, John B., assignor.)
- Delco-Remy Corporation. (See Elsey, George W., assignor.)
- Delco-Remy Corporation. (See Emmert, Rodger J., assignor.)
- Delco-Remy Corporation. (See Fitzsimmons, John T., assignor.)
- Delco-Remy Corporation. (See Fitzsimmons, J. T., and White, assignors.)
- Delco-Remy Corporation. (See Goad, Louis C., assignor.)
- Delco-Remy Corporation. (See Hardman, Frederick J., assignor.)
- Delco-Remy Corporation. (See Hartzell, Herman L., assignor.)
- Delco-Remy Corporation. (See Kindl, Carl H., assignor.)
- Delco-Remy Corporation. (See Koffer, Albert E., assignor.)
- Delco-Remy Corporation. (See Kroeger, Frederick C., assignor.)
- Delco-Remy Corporation. (See Lawson, John W., assignor.)
- Delco Remy Corporation. (See Monson, Hugh J., assignor.)
- Delco-Remy Corporation. (See Norviel, Harry E., assignor.)
- Delco-Remy Corporation. (See Norviel, H. E., and Ecoff, assignors.)
- Delco-Remy Corporation. (See Parker, Leslie O., assignor.)
- Delco-Remy Corporation. (See Perkins, Laurence M., assignor.)
- Delco-Remy Corporation. (See Phelps, Alva W., assignor.)
- Delco-Remy Corporation. (See Prescott, Frank H., assignor.)
- Delco-Remy Corporation. (See Ripplingille, Edward V., assignor.)
- Delco-Remy Corporation. (See Seabury, Ralph L., assignor.)
- Delcroix, Pierre. (See Thiriet, A., and Delcroix.)
- De Leeuw, Adolph L., Plainfield, N. J., assignor to The Goss and De Leeuw Machine Company, New Britain, Conn. Air-cushioned mechanism. 1,765,059; June 17.
- De Leeuw, Adolph L., Plainfield, N. J., assignor of one-half to A. F. Nathan, New York, N. Y. Hardness-measuring means. 1,768,512; June 24.
- De Leeuw, Adolph L., Plainfield, N. J., assignor to The Goss and De Leeuw Machine Company, New Britain, Conn. Chuck. 1,777,962; Oct. 7.
- De Leon, Frances M., New York, N. Y. Unit twin bed. 1,781,807; Nov. 18.
- Delaray, Bert R., Los Angeles, Calif. Juice extractor. 1,762,855; June 10.
- Deléry, Edna F., tutrix. (See Deléry, Eugene F.)
- Deléry, Eugene F., deceased, New Orleans, La. E. F. Deléry, tutrix administering the estate. Machine for punching and forming inwardly-depressed orifices in tubes and pipes. 1,773,522; Aug. 19.
- Delevoye, Robert E. C., Paris, assignor to Societe Anonyme des Anciens Etablissements Hotchkiss & Cie., St.-Denis, Seine, France. Gear box. 1,765,133; June 17.
- Delino, Willie, Bakersfield, Calif. Internal-combustion motor. 1,762,614; June 10.
- Deligianes, Thomas N., Chicago, Ill. Counter fixture. Des. 81,920; Sept. 2.
- Deline, Irving A., Denver, Colo. Envelope for greeting cards. Des. 81,632; July 22.
- De Lisle, Harold L., Chicago, Ill. Filling and handling large sheets. 1,749,376; Mar. 4.
- De Lisle, Harold L., Chicago, Ill. Binder for down-hanging sheets. 1,753,366; Apr. 8.

- De Lisle, Harold L., Chicago, Ill. Binder for down-hanging sheets. 1,757,705; May 6.
- De Lisle, Harold L., Chicago, Ill. Container for sheets. 1,764,610; June 17.
- De Lisle, Harold L., Chicago, Ill. Curtain support. 1,764,611; June 17.
- Della, Ernest, assignor to Walter J. McGuigan, Rochester, N. Y. Pipe. 1,783,605; Dec. 2.
- Della Riccia, Angelo, Brussels, Belgium. Direct-current pressure-splitting device. 1,759,759; May 20.
- Dellenbarger, Charles E., Philadelphia, Pa. Method of and apparatus for kneading and mixing. 1,777,294; Oct. 7.
- Dellenbarger, Charles E., Philadelphia, Pa. Feeding device. 1,777,661; Oct. 7.
- Dellert, Louis, Brooklyn, N. Y. Nested chair. 1,758,826; May 13.
- Delling, Erik H., Snyder, N. Y., assignor to Supersteam Products, Inc. Automotive vehicle. 1,781,322; Nov. 11.
- Delling, Paul R., Haddon Township, Camden County, N. J. Fluid-fuel combustion. 1,754,546; Apr. 15.
- Dellinger, Abraham M., Lancaster, Pa. Mill. 1,744,299; Jan. 21.
- Dellinger, Abraham M., Lancaster, Pa. Gear mechanism. 1,754,267; Apr. 15.
- Dellinger, Abraham M., Lancaster, Pa. Hammer-mill rotor. 1,757,452; May 6.
- Dellinger, Martin C. (See Kulp, Harry W., assignor.)
- Dellinger, Martin C. (See Kulp, H. W., and Dellinger.)
- Delman, Inc. (See Ellington, Ferdinand W., assignor.)
- Delman, Inc. (See Morali, Charles, assignor.)
- Delo, Charles P., Knox, Pa. Aeroplane. 1,781,371; Nov. 11.
- De Loache, George W., Dayton, Ohio, assignor, by mesne assignments, to The R. M. Hollingshead Company. Quick-detachable coupling. 1,744,367; Jan. 21.
- De Long, Arthur R., Menasha, Wis., assignor to The Hobart Manufacturing Company, Troy, Ohio. Apparatus for treating foodstuffs. 1,746,384; Feb. 11.
- De Long, Bertha S., Minneapolis, Minn. Garment. 1,784,824; Dec. 16.
- De Long, Charles E., assignor to Sangamo Electric Company, Springfield, Ill. Electrically-wound clock. 1,785,301; Dec. 16.
- De Long, Everett M., Detroit, Mich. Intake manifold. 1,780,519; Nov. 4.
- De Long, Harry B., Spokane, Wash. Radiator. 1,754,850; Apr. 15.
- De Long Hook and Eye Company, The. (See Upham, Gilbert R., assignor.)
- De Long, James E., assignor to Waukesha Motor Company, Waukesha, Wis. Automobile heating system. 1,772,341; Aug. 5.
- De Long, Robert B., assignor of one-half to L. R. Scafe, Cleveland, Ohio. Floating dock. 1,765,405; June 24.
- De Long, William H. (See Ingram, B. L., and De Long.)
- Deloraine, Edmond M., and E. K. Sandeman, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Multichannel radio communication system. 1,742,902; Jan. 7.
- De Lore, Casper P., and B. B. McHan, St. Louis, Mo.; said McHan assignor to said De Lore. Treating barytes. 1,783,778; Dec. 2.
- De Lorenzi, Otto, Maplewood, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Economizer. 1,757,621; May 6.
- De Loss, Norman C., Shaker Heights, Ohio. Loose-leaf binder. 1,754,418; Apr. 15.
- De Loss, Norman C., Cleveland Heights, Ohio. Loose-leaf binder. 1,772,567; Aug. 12.
- Delp, Christopher, Oakland, Calif. Coupling for propeller shafts. 1,777,401; Oct. 7.
- Delpech, Gaston. (See La Burthe, P., and Delpech.)
- Delpech, Ferdinand P. A. E., Paris, France. Time-recording apparatus. 1,751,529; Mar. 25.
- Delpini, José L., Buenos Aires, Argentina. Transport vehicle and the like. 1,766,506; June 24.
- Del Riccio, Lorenzo, New York, N. Y., assignor to Paramount Famous Lasky Corporation, Los Angeles, Calif. Heat-protection means for motion-picture projectors. 1,753,689; May 13.
- Delsuc, Emile C., Nancy, France. Coffee filter. 1,751,397; Mar. 18.
- Delta Electric Company. (See Bramming, Carl, assignor.)
- Delta File Works. (See Nielsen, L. C., and Fox.)
- Delta-Star Electric Company, The. (See Alsaker, Alfred, assignor.)
- Delta Star Electric Company, The. (See Alsaker, A., and Nordhem, assignors.)
- Delta-Star Electric Company. (See Sumpter, John E., assignor.)
- Delta-Star Electric Company, The. (See Van Ryan, T., and Alsaker, assignors.)
- Deltos Rug Company. (See Steiger, Carl E., assignor.)
- Deluca, Giuseppe, Rayland, Ohio. Pipe wrench. 1,766,778; June 24.
- De Luna Perez, Miguel, Barcelona, Spain. Station and route indicator for railway trains, trams, and other fixed-route vehicles. 1,768,235; June 24.
- De Luxe Metal Furniture Company. (See Levene, Albert H., assignor.)
- Delway Heaters, Inc. (See de Kermor, Louis G., assignor.)
- Dely, Joseph G. (See De Jahn, F. W., and Dely.)
- Demag Aktien Gesellschaft. (See Heetkamp, Heinrich, assignor.)
- Demag Aktiengesellschaft. (See Idel, Hermann, assignor.)
- Demag Aktiengesellschaft, et al. (See Lang, Anton, assignor.)
- Demag Aktiengesellschaft. (See Müller, Fritz, assignor.)
- Demag Aktiengesellschaft. (See Wilsing, Paul, assignor.)
- Deman, Felix, New York, N. Y. Compact. 1,743,120; Jan. 14.
- De Marco, Anthony. (See Morano, James E., assignor.)
- De Marco, Louis. Cleveland, Ohio. Carburetor. 1,765,406; June 24.
- De Marcus, R. T., administrator. (See Demarcus, Walter S.)
- Demarcus, Walter S., New York, N. Y., deceased; R. T. De Marcus, administrator. Separator. 1,775,362; Sept. 9.
- Demaree, Ralph G., Altadena, Calif. Vacuum and pressure pump. 1,769,257; July 1.
- Demarest, Thomas W., Pittsburgh, Pa., assignor to The Okadee Company, Chicago, Ill. Blower valve. 1,744,451; Jan. 21.
- De Markus, Louis, Chicago, Ill., and F. B. Leopold; said Leopold assignor to McKenna Brass and Manufacturing Company, Inc., Pittsburgh, Pa. Filter. 1,750,879; Mar. 18.
- De Marquez, Daniel E., Medellin, assignor to Robert Wesselhoeft, Barranquilla, Colombia, South America. Money package. 1,756,974; May 6.
- De Martinez, Isabel N., New York, N. Y. Stocking. Des. 82,080; Sept. 23.
- De Mattia, Barthold, Clifton, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Collapsible core. 1,784,960; Dec. 16.
- De Mattia, Peter, Passaic, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Vulcanizing mold. 1,746,107; Feb. 4.
- De Mattia, Peter, Passaic, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Vulcanizing machine. 1,755,981; Apr. 22.
- Demek, Ambroz, Granger, Tex. Nutcracker. 1,767,917; June 24.
- De Meo, John, London, England. Propulsion of ships. 1,777,258; Sept. 30.
- Demers, Joseph F., Wilder, Vt. Advertising device. 1,743,542; Feb. 25.
- Demeur, Emanuel. (See Karabatsos, Peter N., assignor.)
- Deming Company, The. (See Mueller, Alexander V., assignor.)
- Deming, George M., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Pressure regulator. 1,745,785; Feb. 4.
- Deming, George M., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Relief valve. 1,773,726; Aug. 26.
- Deming, Robert, Cincinnati, Ohio. Apparatus for removing liquid from wells. 1,779,932; Oct. 28.
- Demmer, Adolph P. (See Ager, C. P., Frost, and Demmer.)
- Demnitz, Albert, Dresden, Germany. Sole-laying device. 1,745,984; Feb. 4.
- Demnitz, Albert, Dresden-Laubegast, Germany. Machine for sticking the soles of shoes. 1,748,671; Feb. 25.
- Demnitz, Albert, Dresden, Germany. Sole-setting machine. 1,758,784; May 13.
- De Mone, Milton E., Cambridge, Mass. Column shackle. 1,751,309; Mar. 18.
- De Monge, Gérard, Brussels, Belgium. Internal-combustion engine. 1,778,663; Oct. 14.
- De Montby, Henry. (See Berthélemy, P., and De Montby.)
- De Montmollin, Guillaume. (See Gubler, H., De Montmollin, and Spieler.)
- De Motte, Maurice P., Buffalo, and R. C. Pierce, New York, N. Y., assignors to The Linde Air Products Company. Cutting and welding apparatus. 1,762,260; June 10.
- Demoucron, Gaston J., Paris, France. Boot last. 1,784,181; Dec. 9.
- De Moulin, Edmond, Los Angeles, Calif. Camera tripod. 1,780,225; Nov. 4.
- Dempsey, Edmund J. (See Dunbar, E. W., and Dempsey.)
- Dempsey, Edmund J., and E. H. Costellow, assignors to Phillips-Baker Rubber Company, Providence, R. I. Manufacture of footwear. 1,786,983; Dec. 30.
- Dempsey, Edmund J., and E. H. Costellow, assignors to Phillips-Baker Rubber Company, Providence, R. I. Manufacture of footwear. 1,786,984; Dec. 30.
- Dempster Mill Manufacturing Company. (See Smethers, J. A., and Elliott, assignors.)
- Demuth, Wm., & Co. (See Hutcheson, Ray R., assignor.)
- Demuth, Wm., & Co. (See Negeaur, Harry, assignor.)
- Demuth, Wm., & Co. (See St. John, George, jr., assignor.)
- Demuth, William, & Company. (See Rubsamen, Charles, assignor.)
- Denaro, James, Cambridge, Mass. Ice-cream-cone-making machine. 1,762,959; June 10.
- Den Bosten, Gerrit, Holland, Mich. Safety hitch. 1,754,412; Apr. 15.
- Denbo, Wilson R., Jackson, Mich. Swimmer's buoy. 1,752,969; Apr. 1.
- Dencklau, Karl R., Plainfield, N. J. Carbon pack and sheet-form holder. 1,761,106; June 3.
- Denecke, George, Milwaukee, Wis. Light support. 1,781,372; Nov. 11.

- Dengler, Felton S., Port Neches, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Manufacture of lubricants. 1,781,444; Nov. 11.
- Dengler, Josef, Podersam, Czechoslovakia. Machine and process of manufacture of pottery or ceramic articles. 1,762,387; June 10.
- Denham, Humphrey J., assignor to Henry Simon Limited, Manchester, England. Free swinging mechanism for imparting reciprocity movements. 1,746,338; Feb. 11.
- Denham, Humphrey J., assignor to Henry Simon Limited, Manchester, England. Machine for purifying cereal product. 1,747,818; Feb. 18.
- Denham, Humphrey J., assignor to Henry Simon, Limited, Manchester, England. Machine for purifying cereal products or removing brainy material therefrom. 1,757,007; May 6.
- Denham, William C., Keensburg, Ill. Mechanical movement. 1,782,838; Nov. 25.
- De Niederhäusern, Georges, assignor to the firm Durand & Huquenin S. A., Basel, Switzerland. Production of fast dyeings and printings with vat dyestuffs. 1,747,107; Feb. 11.
- De Nise, George R., Seattle, Wash. Resilient tooth-contact device. 1,747,351; Feb. 18.
- Denise, Warren E., and A. W. Thwing, Montreal, Quebec, Canada. Pile-driving mechanism. 1,769,774; July 1.
- Denison, Frederick S. (See Sweatt, H. W., and Denison.)
- Denison, Frederick S., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Circuit-controlling means. 1,768,949; July 1.
- Denison, George W., assignor to Common Brick Manufacturers' Association of America, Cleveland, Ohio. Metallic insert for brick or tile structures. 1,781,445; Nov. 11.
- Denison, Howard S., assignor to The Coleman Lamp & Stove Company, Wichita, Kans. Bread toaster. Des. 81,052; Apr. 29.
- Denison, Samuel, & Son Limited. (See Lenton, Albert, assignor.)
- Denkert, James R., Johnstown, N. Y. Inflatable playing ball and bladder therefor. 1,782,198; Nov. 18.
- Denmark, Albert C., and L. O. Bryant, Austin, Tex. Kitchen utensil. 1,783,830; Dec. 2.
- Denmead, Ada, et al. (See Denmead, Perry T., assignor.)
- Denmead, John W., et al. (See Denmead, Perry T., assignor.)
- Denmead, John W. (See Palmer, T. A., and Denmead.)
- Denmead, Perry T., assignor to A. Denmead and J. W. Denmead, Akron, and W. Byrider, Cleveland, Ohio. Match folder. 1,763,763; June 17.
- Denmire, Harold A., Akron, Ohio. Vulcanizing heater and handling molding devices. 1,744,754; Jan. 28.
- Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Molding device. 1,744,753; Jan. 28.
- Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Strip-cutting machine. 1,745,985; Feb. 4.
- Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Collapsible core. 1,749,420; Mar. 4.
- Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus and method of vulcanization. 1,750,613; Mar. 11.
- Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Method of and apparatus for the manufacture of inner tubes and the like. 1,754,502; Apr. 15.
- Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Watchcase heater. 1,762,131; June 3.
- Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Vulcanizing hollow rubber articles. 1,786,290; Dec. 23.
- Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire-vulcanizing mold. 1,786,291; Dec. 23.
- Denne, Mark T., London, England. Sole rounding or trimming and channeling machine. 1,756,116; Apr. 29.
- Denner, Charlotte I., Santa Rosa, Calif. Crochet needle. 1,751,796; Mar. 25.
- Dennett, Robert C. (See Mitchell, Harry V., assignor.)
- Denney, Harvey J., West Lake, La. Inside pipe cutter. 1,772,710; Aug. 12.
- Denney, William F. (See Miller, Felix B., assignor.)
- Denning, William J., assignor to Conradson Tool Company, Chicago, Ill. Expanding arbor. 1,745,660; Feb. 4.
- Dennis, Albert O., Springfield, assignor to The Central Brass & Fixture Company, Dayton, Ohio. Apparatus and process for tempering steel. 1,751,269; Mar. 18.
- Dennis, Charles B., Conneaut Lake, Pa. Method of and apparatus for use in taking impressions of edentulous mouths. 1,763,553; June 10.
- Dennis, John E., London, Ontario, Canada. Metal window. 1,772,132; Aug. 5.
- Dennis, John W., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Automatic carrier-turning mechanism for drying machines. 1,766,984; June 24.
- Dennis, K. W., et al. (See Brown, William S., assignor.)
- Dennis, Oliver C., Wilmette, Ill. Electric vulcanizer. 1,747,699; Feb. 18.
- Dennis, Oliver C., Wilmette, Ill. Radioreceiver. 1,767,518; June 24.
- Dennis, Walter R., Fergus Falls, and E. J. Baehr, Wadena, Minn. Combination lavatory and closet. 1,756,635; Apr. 29.
- Dennis, William J., Chicago, Ill. Weather stripping. 1,755,687; Apr. 22.
- Dennis, William J., Chicago, Ill. Screen-frame material. 1,757,706; May 6.
- Dennison, French E., assignor to National Refrigeration Corporation, Beloit, Wis. Cooling device. 1,751,623; Mar. 25.
- Dennison, French E., assignor to National Refrigeration Corporation, Beloit, Wis. Refrigerating apparatus. 1,763,923; June 17.
- Dennison, French E., assignor to National Refrigeration Corporation, Beloit, Wis. Refrigerating apparatus. 1,769,916; July 8.
- Dennison, French E., assignor to National Refrigeration Corporation, Beloit, Wis. Refrigerating apparatus. 1,775,989; Sept. 16.
- Dennison, French E., assignor to National Refrigeration Corporation, Beloit, Wis. Refrigeration unit. 1,778,825; Oct. 21.
- Dennison, French E., and W. S. Ireland, assignors to National Refrigeration Corporation, Beloit, Wis. Refrigerating apparatus. 1,771,527; July 29.
- Dennison Manufacturing Company. (See Alden, Gardner R., assignor.)
- Dennison Manufacturing Company. (See Maish, Ralph A., assignor.)
- Dennison, Robert A., Dallas, Tex. Top-securing means for baskets. 1,765,301; June 17.
- Dennison, Robert L., Kansas City, Mo. Boiler feed-water apparatus. 1,755,317; Apr. 22.
- Denniston, Adolph L., Chicago, Ill., assignor by mesne assignments, to Stromberg Electric Company. Motor control device. 1,773,130; Aug. 19.
- Denny, Henry W., South Orange, N. J., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Raisin sirup and making the same. 1,746,994; Feb. 11.
- Denocenzo, Antonio, Los Angeles, Calif. Hand signal lamp. 1,774,638; Sept. 2.
- Denoyer, Levinus P. (See Meyer, R. M., and Denoyer.)
- Denoyer-Geppert Company. (See Meyer, R. M., and Denoyer, assignors.)
- Densmore, Edward D., deceased, Brookline, and G. Le Clear, Waban; G. Le Clear and N. W. Bingham, executors, Newton, Mass., assignors to said G. Le Clear. Food service for hospitals and the like. 1,745,606; Feb. 4.
- Dent Hardware Company, The. (See Schrader, Thomas O., assignor.)
- Dent, Harry M., Buffalo, and F. W. Less, North Tonawanda, N. Y., assignors to General Plastics, Inc. Core for metallic castings and making the same. 1,777,998; Oct. 7.
- Dentists' Supply Company of New York, The. (See Dime-low, Thomas E., assignor.)
- Denton, Charles E., Shelby, Miss. Apparatus for recovering waste air from an air lift pump. 1,745,085; Jan. 28.
- Denton, Howell A., Taft, Calif. Safety field-pump stop. 1,778,247; Oct. 14.
- Denton, John W., Ponca City, Okla. Camp cot for automobiles. 1,759,977; May 27.
- Denver Fire Clay Company, The. (See Butz, Charles H., assignor.)
- Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Horn button. 1,768,513; June 24.
- De Palma, John, Millburn, N. J. Safety razor. 1,771,878; July 29.
- De Paemelaere, Arthur, Gardena, Calif. Egg gatherer. 1,749,472; Mar. 4.
- Depee, Roy, Century, Okla. Tire-deflation indicator. 1,765,213; June 17.
- Dependable Harvester Corporation. (See Blenski, Joseph S., assignor.)
- Depew, John, assignor to I. Lauter, New York, N. Y. Inductively-actuated loud-speaker. 1,743,265; Jan. 14.
- Depew, Richard H., jr., Forest Hills, assignor to Fairchild Airplane Manufacturing Corporation, New York, N. Y. Control-surface-operating mechanism. 1,759,442; May 20.
- Depfer, George M. F. (See White, H. E., and Depfer.)
- Depfer, William, Donora, Pa. License-plate holder for automobiles. 1,768,192; June 24.
- De Pistoye, Henri, Paris, France. Alternating-current electric machine. 1,755,815; Apr. 22.
- De Plandolit y Bordes, Dolores, Barcelona, Spain. Adjustable clasp. 1,786,187; Dec. 23.
- Deppeler, John H., Weehawken, N. J. Thermit mixture. 1,750,162; Mar. 11.
- Deppeler, John H., Weehawken, N. J., assignor to The Heat Research and Service Corporation, Wilmington, Del. Exothermic heating unit. 1,774,505; Sept. 2.
- De Ram, Georges H. E., Boulogne-sur-Seine, France. Shock absorber. 1,752,240; Mar. 25.
- Derby, Ira H., and O. D. Cunningham, assignors to P. C. Reilly, Indianapolis, Ind. Ore-fotation process and reagent. 1,765,302; June 17.
- Derby, Ira H., Indianapolis, Ind., and O. D. Cunningham, Provo, Utah, assignors to P. C. Reilly, Indianapolis, Ind. Froth flotation process and product for effecting same. 1,772,386; Aug. 5.
- Derby, Lloyd A., Adrian, Mich. Air-heating appliance. 1,743,088; Jan. 7.

- Derby, Norman L., assignor to Laminated Shim Company, Inc., Long Island City, N. Y. Shim. 1,743,809; Jan. 14.
- Derby, Norman L., assignor to Laminated Shim Company, Inc., Long Island City, N. Y. Shim. 1,748,212; Feb. 25.
- Derby, Norman L., Long Island City, N. Y., assignor to S. R. Rott, Philadelphia, Pa. Storage-battery-terminal connection. 1,759,043; May 20.
- Derby, William V., Baltimore, Md., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., New York, N. Y. Packaging machine. 1,760,482; May 27.
- De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Snap switch. 1,755,055; Apr. 15.
- De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Electric socket. 1,786,292; Dec. 23.
- De Reamer, Frank C., Bridgeport, and W. R. Young, Fairfield, Conn., assignors to General Electric Company. Electric switch. 1,751,398; Mar. 18.
- De Regnaud de Bellescize, Henri J. J. M., Paris, France. Electrical signaling. 1,745,359; Feb. 4.
- De Reign, Oscar P., Los Angeles, Calif. Woodworking machine. 1,778,849; Oct. 21.
- De Rentiis, Augusto. (See Bassellieri, R., and De Rentiis.)
- De Repentigny, Arthur, assignor of one-half to A. La Brosse, Ottawa, Ontario, Canada. Air distributor for paper-making machines. 1,771,558; July 29.
- De Reytere, Robert, Courcelles Motte, Belgium. Drying kiln. 1,742,586; Jan. 7.
- Derfler, Carl, Portland, Oreg. Power-actuated shears. 1,744,368; Jan. 21.
- Derfus, John J., Appleton, Wis. Curd-working machine. 1,781,373; Nov. 11.
- De Right, Elon J., St. Louis, Mo. Electrical line apparatus. 1,758,312; May 13.
- Dering, Cassius, Stockton, California. Drier tray. 1,777,402; Oct. 7.
- Dermody, Michael, New York, N. Y. Lock. 1,748,598; Feb. 25.
- Dermody, Michael, New York, N. Y. Latch. 1,748,599; Feb. 25.
- Dermody, Michael, New York, N. Y. Latch. 1,786,521; Dec. 30.
- Dernbach, Charles S., Wausau, Wis. Device for depicting rural scenes. 1,753,111; Apr. 1.
- De Rocher, Arthur H., Seattle, Wash. Tread chain for vehicles. 1,773,777; Aug. 26.
- De Roo, William C., assignor to The Fosdick Machine Tool Company, Cincinnati, Ohio. Spring counterbalance for drill spindles. 1,756,454; Apr. 29.
- De Roo, William C., assignor to The Fosdick Machine Tool Company, Cincinnati, Ohio. Radial drill. 1,761,107; June 3.
- De Roo, William C., assignor to The Fosdick Machine Tool Company, Cincinnati, Ohio. Feed-control mechanism. 1,781,274; Nov. 11.
- De Rose, Albert, Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. Des. 80,937; Apr. 15.
- De Rose, Joseph, Philadelphia, Pa. Water-closet. 1,749,570; Mar. 4.
- Derossi, Carlo, Turin, Italy. Automatic apparatus for the rapid production of aerated water. 1,753,081; Apr. 1.
- Derossi, Carlo, Turin, Italy. Automatic apparatus for preparing aerated water. 1,759,735; May 20.
- De Roy, Frank, Severna Park, Md. Rake cleaner. 1,743,883; Jan. 14.
- De Rozieres, Eugene, Metuchen, N. J. Grinder for pigments and the like. 1,781,808; Nov. 18.
- Derrick, George H. (See Dutton, C. S., Alexander, and Derrick.)
- Derrick, Victory A., executor. (See Dutton, C. S., Alexander, and Derrick.)
- Derrick, William I., assignor to Westco-Chippewa Pump Company, Davenport, Iowa. Pump. 1,760,402; May 27.
- Derringer, Coburn H. (See Blasdel, John L., assignor.)
- Derry, Gardner C., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Heat-exchange apparatus. 1,765,970; June 24.
- Derus, Albert E., Chicago, Ill. Mechanically-operated figure toy. 1,782,843; Nov. 25.
- De Rusha, William W., and C. Seibert, Winona, Minn. Heel clamp. 1,748,010; Feb. 18.
- Derwish, Emen, Fertile, Minn. Combination cigarette and match box. 1,787,361; Dec. 30.
- De Salardi, Albert B., Port Arthur, Tex. Pinless piston. 1,775,892; Sept. 16.
- De Samsonow, Alexandre, assignor, by mesne assignments, to Societe pour l'Enrichissement et l'Agglomeration des Minerais, Societe Anonyme, Brussels, Belgium. Apparatus for agglomerating and roasting minerals. 1,784,658; Dec. 9.
- De Sanno, Frederick L. (See Maynard, B. B., and De Sanno.)
- Desarant, Henry J., Memphis, Tenn. Liquid-level gauge. 1,772,626; Aug. 12.
- Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-finishing machine. 1,757,113; May 6.
- Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Sectional repair bag and method of making. 1,760,897; June 3.
- Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Turn-under stitching device. 1,762,856; June 10.
- Desch, Otto G. (See Doty, C. E., and Desch.)
- Deschamps, Lucien. (See Arrault, J., and Deschamps.)
- Des Champs, Richard H., Montreal, Quebec, Canada. Indicator. 1,773,222; Aug. 19.
- Desha, Orville U., assignor of one-fifth to The Desha Typelex Trust Estate, Fort Collins, Colo. Key action for typewriters and other machines. 1,759,393; May 20.
- Desha, Orville U., assignor of one-fifth to The Desha Typelex Trust Estate, Fort Collins, Colo. Key action for typewriters and other machines. 1,759,441; May 20.
- Desha, Orville U., assignor of one-fifth to The Desha Typelex Trust Estate, Fort Collins, Colo. Key action for typewriters and other machines. 1,760,269; May 27.
- Desha, Orville U., assignor of one-fifth to The Desha Typelex Trust Estate, Fort Collins, Colo. Key action for typewriters and other machines. 1,765,061; June 17.
- Desha, Orville U., assignor of one-fifth to The Desha Typelex Trust Estate, Fort Collins, Colo. Key action for typewriters and other machines. 1,765,326; June 17.
- Desha Typelex Trust Estate, The. (See Desha, Orville U., assignor.)
- De Sherbinin, Ingvar E., New York, N. Y. Lamp shade. 1,784,048; Dec. 9.
- Design Laboratories, Incorporated. (See Wilson, Edwin B., assignor.)
- Designograph Company. (See Barbera, Tony, assignor.)
- Design-O-Graph Limited, The. (See Fisher, Alexander D., assignor.)
- De Silva, Franzie A., Westminster, and C. G. Carlisle, Sheffield, England. Direct production of steel or steel alloys from titaniferous ores and iron sands. 1,745,360; Feb. 4.
- De Silva, Roberto, assignor to C. D. Newton, San Antonio, Tex. Border and picture printing machine. 1,744,621; Jan. 21.
- Des Islets, John C. M., Bethlehem, Pa. Roof structure. 1,749,473; Mar. 4.
- Des Jardins, Edmund L., Chicago, Ill. Display rack. 1,747,228; Feb. 18.
- Des Jardins, Wilfrid H., Haverhill, Mass. Work receptacle for machine benches. 1,761,780; June 3.
- Desloge, Louis, Ferguson, assignor to Watlow Electric Mfg. Co., St. Louis, Mo. Electric connector. 1,744,071; Jan. 21.
- Desmarais, Oscar H., Hackensack, N. J. Necktie rack. 1,748,469; Feb. 25.
- Desmarquest, Louis, Neuilly-sur-Seine, France. Manufacture of cellular building materials. 1,761,108; June 3.
- De Smet, Edgard C. (See Marshall, W., and De Smet.)
- Desmond, William J., Harrison, N. J. Duplex electron-discharge device. 1,762,960; June 10.
- Des Moutis, Robert. (See Auguste, L., and des Moutis.)
- Desobry, Charles W., assignor to C. Wilson Desobry, Inc., Indianapolis, Ind. Bottle-capping machine. 1,776,350; Sept. 23.
- Desobry, C. Wilson, Inc. (See Desobry, Charles W., assignor.)
- Despa & Fils (Société en commandite par actions). (See Gohy, Jean, assignor.)
- Despard, Victor R., assignor to McGill Manufacturing Company, Valparaiso, Ind. Adapter. 1,747,758; Feb. 18.
- Despard, Victor R., assignor to McGill Manufacturing Company, Valparaiso, Ind. Switch mechanism. 1,776,581; Sept. 23.
- Despard, Victor R., assignor to McGill Manufacturing Company, Valparaiso, Ind. Electric switch. 1,784,514; Dec. 9.
- Desporte, Theodore J. (See Burns, F., and Desporte.)
- D'Esposito, Ferdinand, Brooklyn, N. Y. Composite gem. 1,745,607; Feb. 4.
- De Spuches, Antonino, Palermo, Italy. Propulsion by suction and repulsion; 1,771,402; July 29.
- De Spuches Principe di Galati, Antonino, Palermo, Italy. Hydraulic wheels acting either as motors or as propellers. 1,761,818; June 3.
- Des Roches, Philip W., Detroit, Mich. Refrigerating system. 1,779,033; Oct. 21.
- Des Roches, Philip W., Detroit, Mich. Control member for liquids. 1,783,959; Dec. 9.
- Desroziere, Edouard J., Paris, France. Disk friction clutch. 1,756,731; Apr. 29.
- Dessauer, Norman, assignor to The International Seal and Knot Protector Co., New York, N. Y. Seal. 1,762,961; June 10.
- De Stefani, Tully, assignor, by mesne assignments, to The Liquid Carbonic Corporation, Chicago, Ill. Cooler cabinet for soda fountains. 1,755,816; Apr. 22.
- Dester, William F., Newark, N. J. Condenser plate. 1,773,574; Aug. 19.
- De Stubner, Emile, New York, N. Y. Sensitized coating and method of making and applying same and photographic plate or film produced thereby. 1,752,069; Mar. 25.
- De Sushko, Alexander, Chicago, Ill. Urethral bougie. 1,767,785; June 24.
- Détaint, Edmond, and A. Sourbé, Paris, France. Liquid elevator. 1,769,336; July 1.
- Deters, John A. L., assignor to Associated Engineers Company, Chicago, Ill. Automatic shut off for gas burners. 1,779,118; Oct. 21.

- Detex Watchlock Corporation. (See Haselton, P. H., and Jenckes, assignors.)
- Detex Watchlock Corporation. (See Knight, Ira W., assignor.)
- Detfurth, Teodoro, Buenos Aires, Argentina. Operating mechanism for reciprocating rods. 1,774,321; Aug. 26.
- Dethloff, Heinrich. (See Krull, H., and Dethloff.)
- Dethloff, Heinrich, Maxau, Karlsruhe, assignor to Feldmühle Papier- und Zellstoffwerke Aktiengesellschaft, Stettin, Germany. Apparatus for the manufacture of films from cellulose solutions. 1,748,868; Feb. 25.
- De Tienne, Frederick B. (See Bland, B. B., and De Tienne.)
- Det Norske Aktieselskab for Elektrokemisk Industri of Norway. (See Brock, Heinrich, assignor.)
- Det Norske Aktieselskab for Elektrokemisk Industri of Norway. (See Sem, Mathias O., assignor.)
- Det Norske Aktieselskab for Elektrokemisk Industri of Norway. (See Sem, M. O., and Söderberg, assignors.)
- Det Norske Aktieselskab for Elektrokemisk Industrie of Norway. (See Westly, Jens, assignor.)
- De Tour, Frank W. (See Maxwell, W., and De Tour.)
- De Tóváros, Julius F., Budapest, Hungary. Sliding current collector for overhead wires of electric railways. 1,744,530; Jan. 21.
- De Tóváros, Julius F., Budapest, Hungary. Sliding current collector for overhead wires of electric railways. 1,744,531; Jan. 21.
- De Tóváros, Julius F., Budapest, Hungary. Current collector for electric vehicles. 1,744,622; Jan. 21.
- De Tóváros, Julius F., Budapest, Hungary. Current collector. 1,744,623; Jan. 21.
- De Tóváros, Julius F., Budapest, Hungary. Current collector for electric vehicles. 1,773,262; Aug. 19.
- De Tóváros, Julius F., Budapest, Hungary. Current collector for electric railways. 1,781,323; Nov. 11.
- Detrick, M. H., Company. (See Foltz, Raymond D., assignor.)
- Detrick, M. H., Company. (See Sheahon, Frank I., assignor.)
- Detroit and Security Trust Company, trustee, et al. (See Freer, Phelps M., assignor.)
- Detroit and Security Trust Company. (See Wasserfallen, Charles F., assignor.)
- Detroit Brass and Malleable Works. (See Whitmarsh, Ernest B., assignor.)
- Detroit Dental Manufacturing Company. (See Kerr, Robert M., assignor.)
- Detroit Gasket & Mfg. Co. (See Balfe, George T., assignor.)
- Detroit Gear & Machine Company. (See Blood, H. E., and Lapsley, assignors.)
- Detroit Harvester Company. (See Horste, Joseph E., assignor.)
- Detroit Harvester Company. (See Otwell, Ralph B., assignor.)
- Detroit Hume Pipe Company. (See Hund, Henry E., assignor.)
- Detroit Lubricator Company. (See Russel, Philip S., assignor.)
- Detroit Michigan Stove Company. (See Maul, Henry C., assignor.)
- Detroit Patents Holding Company. (See Haggart, John C., jr., assignor.)
- Detroit & Security Trust Company. (See Copland, A. W., and Mathewson.)
- Detroit and Security Trust Company. (See Smith, Frederick A., assignor.)
- Detroit and Security Trust Company. (See Williams, James H., assignor.)
- Detroit Steel Products Company. (See Barclay, Gustaf I., assignor.)
- Detroit Steel Products Company. (See Kelly, Clyde W., assignor.)
- Detroit Steel Products Company. (See Loucks, James F., assignor.)
- Detroit Steel Products Company. (See Pratt, Harold G., assignor.)
- Detroit Steel Products Company. (See Rockhoff, Bert E., assignor.)
- Detroit Stoker Company. (See Beers, Royce L., assignor.)
- Detroit Vapor Stove Company. (See Sherman, Alvin G., assignor.)
- Detroit Vapor Stove Company, The. (See Sherman, A. G., and Meadows, assignors.)
- Dettenborn, Louis F., Hartford, Conn. Drawer. 1,749,937; Mar. 11.
- Dettwyler, William. (See Gubelmann, I., Goodrich, and Dettwyler.)
- Detwiler, Forest V., Grand Rapids, Mich. Vapor burner. 1,757,296; May 6.
- Detwiler, William F., Tarentum, Pa. Furnace. 1,787,307; Dec. 30.
- Detwiler, William F., Tarentum, Pa., assignor to Allegheny Steel Company, Brackenridge, Pa. Rolling mill. 1,781,809; Nov. 18.
- Detzel, Lynn, Brooklyn, N. Y. Parachute. 1,767,968; June 24.
- Deubener, Walter H., Indianapolis, Ind. Paper shopping bag. 1,751,473; Mar. 25.
- Deubener, Walter H., St. Paul, Minn. Cloth holder. 1,752,896; Apr. 1.
- Deuel, Harry A., Pittsburgh, Pa. Method of and apparatus for casting metal ingots. 1,767,055; June 24.
- Deutsch, Ernest, Chicago, Ill. Television apparatus. 1,768,893; July 1.
- Deutsch, Hans. (See Herrmann, W. O., and Deutsch.)
- Deutsch, Hans, Vienna, Austria. Exhaust-steam injector. 1,759,223; May 20.
- Deutsch, Hermann, Chicago, Ill. Machine-tool work holder. 1,750,746; Mar. 18.
- Deutsch, Hermann, Chicago, Ill. Drilling jig. 1,776,351; Sept. 23.
- Deutsch, Leo. (See Delanoy, F. W., and Deutsch.)
- Deutsch, Leo, Beaver, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Visible pump. 1,754,615; Apr. 15.
- Deutsch, Leo, Beaver, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Sight-valve assembly. 1,757,237; May 6.
- Deutsch, Leo, Beaver, Pa., assignor, by mesne assignments, to The Wayne Pump Co., Baltimore, Md. Gauge stick. 1,776,942; Sept. 30.
- Deutsch, Leo, Beaver, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. High-pressure grease gun. 1,781,374; Nov. 11.
- Deutsch, Leo, Beaver, and G. J. Genung, Rochester, Pa., assignors, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Four-way-valve pump. 1,778,210; Oct. 14.
- Deutsch, Lester, Bronx, N. Y. Pin. Des. 81,374; June 17.
- Deutsch, Walther, Frankfurt-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical precipitation. 1,773,963; Aug. 26.
- Deutsche Asbestwerke A.-G. (See Georgi, Heinrich C., assignor.)
- Deutsche Edelstahlwerke Aktiengesellschaft. (See Sattler, Carl, assignor.)
- Deutsche Erdöl-Aktiengesellschaft. (See Bömcke, Kurt, assignor.)
- Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung. (See Engelhard, Hermann, assignor.)
- Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung. (See Specht, Norbert, assignor.)
- Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung. (See Vorbau, Robert, assignor.)
- Deutsche Gasolin Aktiengesellschaft. (See Pfaff, J. K., Böttger, and Sieweke, assignors.)
- Deutsche Gold & Silber Scheideanstalt, vormals Roessler. (See Beck, Walter, assignor.)
- Deutsche Gold & Silber Scheideanstalt vormals Roessler. (See Bromig, Karl, assignor.)
- Deutsche Gold & Silber Scheideanstalt vormals Roessler. (See Heerdt, Walter, assignor.)
- Deutsche Gold & Silber Scheideanstalt vormals Roessler. (See Kochendoerfer, Gerd, assignor.)
- Deutsche Gold- und Silberscheideanstalt. (See Pannwitz, Wilhelm, assignor.)
- Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Stark, Hans, assignor.)
- Deutsche Maschinenbau- und Vertriebs-Gesellschaft m. b. H. (See Lichtenstein, Edmund, assignor.)
- Deutsche Maschinenfabrik Aktiengesellschaft. (See Bamberger, Otto, assignor.)
- Deutsche Pyrotechnische Fabriken A.-G. et al. (See Thiecke, Julius, assignor.)
- Deutsche Telefonwerke und Kabelindustrie Aktiengesellschaft. (See Höhne, Wilhelm, assignor.)
- Deutsche Werft Aktiengesellschaft. (See Scholz, William, assignor.)
- Deutsche Werke Kiel Aktiengesellschaft. (See Ulrich, Wilhelm, assignor.)
- De Vall, Guy R., New York, N. Y. Radiator-cap ornament or similar article. Des. 81,530; July 8.
- Devany, Patrick F., Chicago, Ill. Core box. 1,784,225; Dec. 9.
- De Vault, Ralph P., assignor, by mesne assignments, to Acme Motion Picture Projector Company, Chicago, Ill. Motion-picture apparatus. Re17,626; Mar. 18.
- De Vault, Ralph P., Villa Park, assignor, by mesne assignments, to Acme Motion Picture Projector Company, Chicago, Ill. Illuminating system, reflector, and lamp assembly. 1,781,053; Nov. 11.
- Devauux, Paul, Juvisy, France. Driving means for the rollers of spinning machines. 1,784,659; Dec. 9.
- Devendor, John A., and W. A., Jackson Heights, N. Y. Button and button setting. 1,777,718; Oct. 7.
- Devendor, William A. (See Devendor, John A., and W. A.)
- Dever, Dan O., Los Angeles, assignor of 55 per cent to V. Deaver, Escondido, Calif. Dimmer for automobile headlights. 1,745,083; Jan. 28.
- Dever, Henry F. (See Koch, L. E., and Dever.)
- Dever, James, Sioux City, Iowa. Cattle-killing machine. 1,753,851; Apr. 8.
- Deverall, Charles N., Buffalo, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Sostenuto device for organs. 1,769,369; July 1.
- Devers, Philip K., Lynn, Mass., assignor to General Electric Company. Arc welding. 1,746,191; Feb. 4.
- Devers, Philip K., Lynn, Mass., assignor to General Electric Company. Spark plug. 1,760,586; May 27.
- De Veto, Peter, Camden, N. J. Coin-rejecting shield for telephone coin boxes. 1,748,280; Feb. 25.
- De Vilbiss, Alexander P. (See De Vilbiss, John A., assignor.)
- De Vilbiss Company, The. (See Brown, Paul B., assignor.)

- De Vilbiss Company, The. (See Gradolph, William F., assignor.)
- De Vilbiss Company, The. (See Kremnec, Frank W., assignor.)
- De Vilbiss Company, The. (See Mueller, Godfrey A., assignor.)
- De Vilbiss Company, The. (See Perrin, James E., assignor.)
- De Vilbiss Company, The. (See Schmitt, Joy B., assignor.)
- De Vilbiss Company, The. (See Tracy, Robert W., assignor.)
- De Vilbiss Company, The. (See Vullemenot, Frédéric A., assignor.)
- De Vilbiss Company, The. (See Whitmore, Edson G., assignor.)
- De Vilbiss, John A., St. Louis, Mo., assignor to A. P. De Vilbiss, Burlington, Iowa. Filled concrete block and making the same. 1,753,776; Apr. 8.
- Devine, Dennis, jr., New London, Conn. Platform. 1,747,352; Feb. 18.
- Devine, James W., New Brunswick, assignor to V. Royle, Paterson, N. J. Tubing machine. 1,768,671; July 1.
- De Vinna, Clyde, Los Angeles, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Film-magazine-locking device. 1,782,529; Nov. 25.
- De Visser, Machiel. (See Korsten, A. C., and de Visser.)
- De Vita, Salvatore, Philadelphia, Pa. Door latch. 1,768,193; June 24.
- Devito, Antonio, Brooklyn, N. Y. Bicycle mechanism. 1,784,419; Dec. 9.
- De Vito, Louis, Cleveland, Ohio. Crusher. 1,747,970; Feb. 18.
- De Vito, Louis, Cleveland, Ohio. Machine for making flat noodles. 1,768,749; July 1.
- Devitt, George C., assignor to Buffalo Scale Company, Buffalo, N. Y. Scale. 1,746,243; Feb. 11.
- De Vleeschouwer, Camille. (See Tacoma, J., and de Vleeschouwer.)
- De Vlieg, Gerard A., Rockford, Ill. Clearance-setting mechanism. 1,759,044; May 20.
- De Vlieg, Gerard A., Rockford, Ill. Reamer. 1,775,120; Sept. 9.
- De Vlieg, Gerard A., Rockford, Ill. Setting gauge. 1,784,093; Dec. 9.
- Devlin, Henry, assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich. Flour duster. 1,748,543; Feb. 25.
- Devlin, Henry, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Dough divider. 1,763,345; June 10.
- De Voe, Ray T., Flint, Mich., assignor to Marvel Carburetor Company. Strainer and assembling same. 1,763,346; June 10.
- Devon Manufacturing Company. (See Lundgaard, Ivar, assignor.)
- De Vos, Elias, et al. (See Alderfer, A. L., and Stora, assignors.)
- De Vries, Fenno E., Evanston, Ill., assignor, by mesne assignments, to Vulcan Proofing Company, Inc., Brooklyn, N. Y. Printer's blanket or the like. 1,778,185; Oct. 14.
- De Vries, George, Oak Park, Ill., assignor to American Lace Paper Company, Milwaukee, Wis. Cup dispenser. 1,761,009; June 3.
- De Vries, Peter. (See Currie, W. E., and de Vries.)
- DeVries, Ralph. (See Armstrong, F. A. E., and DeVries.)
- De Vries, Ralph P., Newtonville, N. Y. Stable-surface alloy steel. 1,763,421; June 10.
- De Vries, Ralph P., Newtonville, N. Y. Stable-surface alloy steel. 1,768,578; July 1.
- De Vries, Ralph P., Newtonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Stable-surface alloy steel. 1,759,605; May 20.
- De Vries, Ralph P., Newtonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Stable-surface alloy steel. 1,759,606; May 20.
- De Vry, Herman A., assignor to Q. R. S.-De Vry Corporation, Chicago, Ill. Motion-picture camera. 1,758,221; May 13.
- De Vulitch, Vladimir A., Paris, France. Clamping collar. 1,786,107; Dec. 23.
- Dew, John R., South Jacksonville, Fla., and R. Guffey, Somerset, Ky. Fernery stand. Des. 81,086; May 6.
- Dew, John R., South Jacksonville, Fla., and R. Guffey, Somerset, Ky. Flowerpot holder. Des. 81,436; June 24.
- De Waele, Armand, assignor to D. Gestetner, Limited, London, England. Stencil sheet for use in duplicating. 1,744,755; Jan. 28.
- De Waele, Armand, assignor to D. Gestetner, Limited, London, England. Production of stencil sheets for use in duplicating. 1,749,241; Mar. 4.
- De Wagner, Maggy B., Paris, France, assignor to Lenthalic, Incorporated, New York, N. Y. Bottle. Des. 80,363; Jan. 21.
- De Wagner, Maggy B., Paris, France, assignor to Lenthalic, Incorporated, New York, N. Y. Bottle. Des. 81,633; July 22.
- Dewaide, Hal, Portland, Oreg. Sanitary toilet-seat cover. 1,744,300; Jan. 21.
- Dewar, Jack S. (See Lerch, William B., assignor.)
- De Weese, Walter E., Cleveland, Ohio. Motor-moistening device. 1,755,056; Apr. 15.
- Dewend, William D., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Harrow. 1,767,654; June 24.
- Dewend, William D., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Disk harrow. 1,780,644; Nov. 4.
- Dewey, Albert B., jr., and N. D. Cheronis, Chicago, Ill.; said Cheronis assignor to said Dewey. Printed matter. 1,772,342; Aug. 5.
- Dewey and Almy Chemical Company. (See Dewey, Bradley, assignor.)
- Dewey, Bradley, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Cover-lining apparatus. 1,748,914; Feb. 25.
- Dewey, Bradley, Cambridge, and E. C. Crocker, Belmont, Mass.; said Crocker assignor to said Dewey. Rubber-latex cement and preparing the same. 1,745,084; Jan. 28.
- Dewey, Bradley, Cambridge, and E. C. Crocker, Belmont, Mass.; said Crocker assignor to said Dewey. Sealing composition. 1,765,184; June 17.
- Dewey, Clarence L., assignor to Outing Manufacturing Company, Elkhart, Ind. Banjo. 1,752,788; Apr. 1.
- Dewey, Clarence L., Elkhart, Ind., assignor to Outing Manufacturing Company. Making boxes and covers therefor. 1,761,331; June 3.
- Dewey, Ernest K., Schenectady, N. Y., assignor to General Electric Company. Electrode for the electric arc. 1,774,964; Sept. 2.
- Dewey, Ernest K., Schenectady, N. Y., assignor to General Electric Company. Electrode for the electric arc. 1,774,965; Sept. 2.
- Dewey, Fred G., Anderson, Ind., assignor by mesne assignments to Delco-Remy Corporation, Dayton, Ohio. Armature-winding apparatus. 1,753,554; Apr. 8.
- Dewey, Haywood G. (See Jones, J. G., and Dewey.)
- Dewey, Henry W. (See Cochran, A. W., and Dewey.)
- Dewey, Norman S., Airdrie, assignor to Stewarts & Lloyds Limited, Glasgow, Scotland. Lining of iron and steel pipes, tubes, and other hollow bodies. 1,755,634; Apr. 22.
- De Whalley, Hermes G. L., Carshalton, England. Portable aerator. 1,770,512; July 15.
- Dewing, Charles W. (See Johnson, A. G., and Dewing.)
- De Wit, Frank N., et al. (See Buiten, William C., assignor.)
- De Wit, Ulbe N. (See Bergmans, J., and de Wit.)
- De Witt, Clarence A., Chicago, Ill. Apparatus for lapping valves. 1,743,658; Jan. 14.
- De Witt, Clinton, Berkeley, assignor to Taper Tube Pole Co., San Francisco, Calif. Steel pole. Re17,834; Oct. 21.
- De Witt, Clinton, assignor to Taper Tube Pole Co., San Francisco, Calif. Electroliner. Des. 80,308; Jan. 14.
- De Witt, Clinton, Berkeley, Calif., assignor to Taper Tube Pole Co., San Francisco, Calif. Lighting pole. Des. 81,634; July 22.
- De Witt, Clinton, Berkeley, assignor to Taper Tube Pole Co., San Francisco, Calif. Steel pole. 1,743,439; Jan. 14.
- De Witt, William J., Auburn, N. Y. Fluid-applying apparatus. 1,743,884; Jan. 14.
- De Witt, William J., assignor to The Shoe Form Co., Inc., Auburn, N. Y. Apparatus for use in trimming hollow pediform articles. 1,754,818; Apr. 15.
- De Witt, William J., Auburn, assignor to Shoe Form Co. Inc., Auburn, N. Y. Shoe form. 1,758,278; May 13.
- De Witt, Clyde C., Houghton, Mich. Mold and facing material for treating same. 1,770,685; July 15.
- De Witt, Clyde C., Houghton, Mich. Molding sand and material and forming same. 1,770,686; July 15.
- De Witt, Clyde C., Houghton, Mich. Synthetic molding material and forming same. 1,770,687; July 15.
- De Witt, Clyde C., Houghton, Mich. Molding material. 1,770,688; July 15.
- De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,771,674; July 29.
- De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,774,702; Sept. 2.
- DeWitt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,777,166; Sept. 30.
- De Witt, William J., assignor to Shoe Form Co. Inc., Auburn, N. Y. Shoe form. 1,777,746; Oct. 7.
- De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Transparent shell. 1,777,747; Oct. 7.
- De Witt, William J., Auburn, Mass., assignor to Shoe Form Co., Inc., Auburn, N. Y. Back-part stay. 1,780,177; Nov. 4.
- De Witt, William J., assignor to The Shoe Form Co., Inc., Auburn, N. Y. Hosiery form. 1,780,744; Nov. 4.
- De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Process of and apparatus for molding hollow lasts. 1,783,915; Dec. 2.
- De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Expandible toe form. 1,784,660; Dec. 9.
- De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,784,661; Dec. 9.
- De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,784,662; Dec. 9.
- Dewoitine, Emile J. E., Chatillon-Sous-Bagneux, France. Attaching on fuselages wings having single spars. 1,766,376; June 24.
- De Wolf, Ernest A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Cop holder. 1,759,392; May 20.
- De Wolf, Ernest A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Cop holder. 1,762,261; June 10.

- De Wolf, Roger D., Rochester, assignor to Combustion Engineering Corporation, New York, N. Y. Fuel-handling system. 1,778,755; Oct. 21.
- De Wolfe, Mark C., Oakland, Calif. Towerless hoisting and conveying device. 1,773,964; Aug. 26.
- Dewrance, John, Southwark, London, England. Automatic regulating valve. 1,776,582; Sept. 23.
- De Wrangell, Mathieu, Paris, France. Talking machine. 1,751,310; Mar. 18.
- Dexdale Hosiery Mills. (See Berger, Emil J., assignor.)
- Dexdale Hosiery Mills. (See Sampey, Harvey D., assignor.)
- Dexter, Benjamin R., Oakland, Calif. Collapsible rest. 1,762,217; June 10.
- Dexter Company, The. (See Dunn, Irving H., assignor.)
- Dexter Company, The. (See Weller, Randolph V., assignor.)
- Dexter, Elliott, New York, N. Y. Fastener for roller window shades. 1,758,690; May 13.
- Dexter Folder Company. (See Christophel, Carl E., assignor.)
- Dexter Folder Company. (See Ehlig, Harry, assignor.)
- Dexter Folder Company. (See Mentges John, assignor.)
- Dexter Folder Company. (See Petersen, Alfred E., assignor.)
- Dexter Folder Company. (See Rader, Earl D., assignor.)
- Dexter Folder Company. (See Swart, G. R., and Ehlig, assignors.)
- Dexter, Lucien A., Grand Rapids, Mich. Night latch. 1,779,410; Oct. 28.
- Dexter, Margaret A., executrix. (See Landers, James E.)
- Dexter, Thomas C., et al. (See Landers, James E., assignor.)
- Dey, William H., Montclair, N. J., assignor to United States Radium Corporation, New York, N. Y. Plate frame. 1,754,851; Apr. 15.
- De Yone, Charles M., Dover-Foxcroft, Me. Hilling attachment for cultivators. 1,785,676; Dec. 16.
- De Young, Christ, Chicago, Ill., assignor to International Harvester Company. Stamping machine. 1,751,578; Mar. 25.
- De Zan, Enrico P., Spezia, Italy. Spraying of liquids. 1,752,153; Mar. 25.
- D'Halloy, Audoin. (See Barba, Adrien, assignor.)
- D'Humy, Fernand E., Scarsdale, assignor to The Western Union Telegraph Company, New York, N. Y. Combined sectional operating-table unit and conveyer section. 1,780,118; Oct. 28.
- D'Humy, Fernand E., Scarsdale, N. J., and M. V. Creedon, Westfield, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y. Guide for belt conveyers. 1,770,099; July 8.
- Diack, Archibald W., Ann Arbor, Mich. Igniting element. 1,746,244; Feb. 11.
- Diago, Federico G., Habana, Cuba. Amphibian airplane. 1,765,214; June 17.
- Diago, Federico G., Habana, Cuba. Stock and cash keeper. 1,776,754; Sept. 23.
- Diago, Frederico G., Habana, Cuba. Aeroplane. 1,782,256; Nov. 18.
- Diamant Samu és Fiai, Messrs. (See Géza, Frommer, assignor.)
- Diamond Candle Co. (See Purcell, Mark, assignor.)
- Diamond, Claude. (See Glover, W. H., and Diamond.)
- Diamond Chain and Manufacturing Company. (See Bartlett, George M., assignor.)
- Diamond Crystal Salt Company. (See Downing, William F., jr., assignor.)
- Diamond Electrical Manufacturing Company, Ltd. (See Pengilly, J. H., and Brown, assignors.)
- Diamond, Harry I., Atlanta, Ga. Traffic signal. 1,770,128; July 8.
- Diamond, Harry I., Atlanta, Ga. Fabric. 1,772,548; Aug. 12.
- Diamond, Harry I., Atlanta, Ga. Bias insulating tape. 1,781,896; Nov. 18.
- Diamond, James K., Grand Rapids, Mich. Bag closure. 1,786,426; Dec. 30.
- Diamond Match Company, The. (See Augustine, Walter O., assignor.)
- Diamond Match Company, The. (See Haferkamp, C. C., and Elder, assignors.)
- Diamond Match Company, The. (See Light, Clare K., assignor.)
- Diamond Match Company, The. (See Nolan, John R., assignor.)
- Diamond, Moses S., assignor to S. Diamond, New York, N. Y. Humidor. 1,748,934; Feb. 25.
- Diamond Power Specialty Corporation. (See Bowers, Frank, assignor.)
- Diamond Power Specialty Corporation. (See Cox, Samuel F., assignor.)
- Diamond Power Specialty Corporation. (See Howse, Curtis L., assignor.)
- Diamond Power Specialty Corporation. (See Snow, Norman L., assignor.)
- Diamond Power Specialty Corporation. (See Snow, N. L., and Cox, assignors.)
- Diamond Power Specialty Corporation. (See Snow, N. L., and Honywill, assignors.)
- Diamond Power Specialty Corporation. (See Snow, N. L., and Howse, assignors.)
- Diamond Power Specialty Corporation. (See Snow, N. L., and Thomas, assignors.)
- Diamond Power Specialty Corporation. (See Thomas, Willis P., assignor.)
- Diamond, Samuel. (See Diamond, Moses S., assignor.)
- Diamond Tool & Engineering Company. (See Asmussen, August J., assignor.)
- Diamond, Walter D. (See Shifflett, Samuel B., assignor.)
- Diamond, Willard R., Chicago, Ill. Handle. 1,772,096; Aug. 5.
- Dias, Alfred R., San Francisco, Calif. Spectacle frame. Des. 82,252; Oct. 14.
- Dibble, Claude M. (See Moore, L., and Dibble.)
- Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Stove construction. 1,744,264; Jan. 21.
- Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Broiler. 1,751,726; Mar. 25.
- Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Heating element for electric stoves. 1,751,797; Mar. 25.
- Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Flue construction. 1,751,798; Mar. 25.
- Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Collapsible jib crane. 1,779,271; Oct. 21.
- Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Broiler. 1,783,183; Dec. 2.
- Dibelka, Henry G., assignor to The Kingsley-Miller Company, Chicago, Ill. Vehicle wheel hub cap. Des. 81,230; May 27.
- Di Bernardo, John, and F. S. Merne, Brooklyn, N. Y. Laundry-bag holder. 1,774,172; Aug. 26.
- Dibley, Raymond H., Bathurst, New South Wales, Australia. Internal-combustion engine. 1,755,817; Apr. 22.
- Diblick, Frank, et al. (See Pucek, Felix, assignor.)
- Dibner, Abraham B., New York, N. Y. Slide joint for electrical conductors. 1,759,567; May 20.
- Dibner, Abraham B., Peekskill, N. Y. Cable terminal. 1,777,295; Oct. 7.
- Dibner, Abraham B., Peekskill, N. Y. Electrical conductor. 1,782,812; Nov. 25.
- Dibner, Abraham, Peekskill, N. Y. Choke coil. 1,786,604; Dec. 30.
- Di Bono, Saverio, Genoa, Italy. Cork-grinding machine. 1,762,681; June 10.
- Dichiaro, Anthony J. (See Trippeda, C. S., and Dichiaro.)
- Dichter, Isador, Chicago, Ill. Ornamental figure. 1,761,879; June 3.
- Dick, A. B., Company. (See Brasseur, Ernest J., assignor.)
- Dick, A. B., Company. (See Davis, Alex B., assignor.)
- Dick, A. B., Company. (See Horn, Thomas W., assignor.)
- Dick, A. B., Company. (See Klein, Frederick, assignor.)
- Dick, A. B., Company. (See Wagner, Ludwig W., assignor.)
- Dick, Arthur. (See Davis, C. K., and Dick.)
- Dick, Burns, assignor to Wagner Electric Corporation, St. Louis, Mo. Hydraulic-brake apparatus. 1,786,231; Dec. 23.
- Dick, Burns and A. Brunner, assignors to Wagner Electric Corporation, St. Louis, Mo. Attachment of hose fittings. 1,759,224; May 20.
- Dick, Chas. A., trustee, et al. (See Gullette, William A., assignor.)
- Dick, Joseph, Manufacturing Company, The. (See Hamaker, Sidney U., assignor.)
- Dick, Myrion T., Des Moines, Iowa. Blotting device. 1,769,420; July 1.
- Dicke, Allen A. (See Dicke, Oscar H., assignor.)
- Dicke, Oscar H., Rochester, N. Y., assignor of one-half to A. A. Dicke, Montclair, N. J. Mechanical vibrating rectifier. 1,768,750; July 1.
- Dickehage, Henry, West Allis, Wis. Potato digger. 1,758,562; May 13.
- Dicken, George M., Hulmeville, Pa., assignor to John Bromley & Sons, Incorporated. Lace. Des. 82,543; Nov. 18.
- Dickens, Howard B., Endicott, N. Y. Leg rest for the drivers of motor cars. 1,753,367; Apr. 8.
- Dickens, Prince H., assignor of one-half to D. White, Van, W. Va. Dinner pail. 1,773,663; Aug. 19.
- Dickerson, Alexander B., Newark, N. J. Stocking protector. 1,760,299; May 27.
- Dickerson, Arthur, Salt Lake City, Utah. Jack. 1,773,174; Aug. 19.
- Dickerson, Byram S., Washington, Ind. Draft gear for trains. 1,772,387; Aug. 5.
- Dickerson, Rawson P., East Orange, N. J., assignor, by mesne assignments, to United States Envelope Company, Worcester, Mass. Paper cup. Re17,553; Jan. 7.
- Dickey, Elmer C., Kokomo, Ind. Brooder house. 1,753,082; Apr. 1.
- Dickey, Ernest. (See Keilholtz, L. S., and Dickey.)
- Dickey, Ernest, assignor to Delco-Light Company, Dayton, Ohio. Engine-fuel-control apparatus. 1,768,579; July 1.
- Dickey, Laurence P., Mountain Lakes, N. J., assignor to August Goertz & Co., Inc. Vanity box for carrying loose face powder. 1,771,403; July 29.
- Dickey, Laurence P., Mountain Lakes, N. J., assignor to August Goertz & Co., Inc. Vanity box. 1,775,751; Sept. 16.
- Dickie, William A., T. H. Platts, and L. Latham, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of yarns or threads and apparatus therefor. 1,784,581; Dec. 9.
- Dickleson, Alton C., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier-system testing method and circuit. 1,747,163; Feb. 18.

- Dickieson, Alton C., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical signaling. 1,747,863; Feb. 18.
- Dickieson, Alton C., Brooklyn, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Transmission system. 1,762,768; June 10.
- Dickinson, Albert G. (See Simpson, Ward T., assignor.)
- Dickinson, Arthur J., Limited. (See Groombridge, Walter H., assignor.)
- Dickinson, Dean D., Ayr, N. Dak. Harrow. 1,786,194; Dec. 23.
- Dickinson, Fairleigh S., Rutherford, N. J. Hypodermic syringe. 1,742,497; Jan. 7.
- Dickinson, John D. (See Pierce, E. F., and Dickinson.)
- Dickinson, John D., Chicago, Ill., assignor to Yawman & Erbe Manufacturing Co., Rochester, N. Y. Ledger desk. 1,764,612; June 17.
- Dickinson, Joseph H., Winter Park, Fla., assignor to Lidgerwood Manufacturing Company, New York, N. Y. Locking device for skidding carriages. 1,742,493; Jan. 7.
- Dickinson, Joseph H., Winter Park, Fla., assignor to Lidgerwood Manufacturing Company, New York, N. Y. Skidding carriage. 1,756,732; Apr. 29.
- Dickinson, Joseph H., Winter Park, Fla., and M. H. Dickinson, Seattle, Wash., assignors to Lidgerwood Manufacturing Company, Elizabeth, N. J. Portable cableway. 1,785,340; Dec. 16.
- Dickinson, Joseph H., Larchmont, N. Y., assignor to The Aeolian Company. Expression device for automatic pianos. 1,782,061; Nov. 18.
- Dickinson, Merian H. (See Dickinson, Joseph H. and M. H.)
- Dickson, Roy G., Denver, assignor of one-third to C. A. Semrad, Denver, and one-third to H. C. Reagan, Boulder, Colo. Tie clamp for electric insulators. 1,750,880; Mar. 18.
- Dickson, Thomas A. E., Poland, Ohio. Safety control device for furnaces. 1,761,880; June 3.
- Dickson, Wilbur K., Lynn, Mass., assignor to General Electric Company. Transformer protective switch. 1,768,398; June 24.
- Dickley, George A., and E. B. Groff, Long Beach, Calif. Adjustable platen-press chase. 1,781,979; Nov. 18.
- Dickman, Arthur, assignor to The P. Goldsmith Sons Company, Cincinnati, Ohio. Football helmet. Des. 80,880; Apr. 8.
- Dickman, Frank G., Chicago, Ill. Form support. 1,786,522; Dec. 30.
- Dickman, John A., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone substation equipment. 1,781,916; Nov. 18.
- Dickman, John T., Los Angeles, Calif. Spring trap for throwing disk targets. 1,758,032; May 13.
- Dickman, Margaret D., Duluth, Minn. Plaiter. 1,752,897; Apr. 1.
- Dickman, Sam. (See Helwig, Wilhelm A. A. H., assignor.)
- Dicks, Thomas A., Pittsburgh, Pa., assignor to The Hamilton Standard Propeller Corporation. Hub for propellers. 1,769,775; July 1.
- Dicks, Thomas A., assignor, by mesne assignments, to Pittsburgh Screw & Bolt Company, Pittsburgh, Pa. Propeller. 1,783,225; Dec. 2.
- Dickson, Edna H., Oakland, Calif. Bird-service unit. Des. 81,960; Sept. 9.
- Dickson, Frank H., Auburn, N. Y. Wrench. 1,760,544; May 27.
- Dickson, George A., Medway, assignor of one-third to L. M. Dickson, Medway, and one-third to J. A. Anderson, City Mills, Mass. Screen for windows, windshields, and the like. 1,780,871; Nov. 4.
- Dickson, George E., Chicago, Ill. Weatherproof nail. 1,751,799; Mar. 25.
- Dickson, George E., Chicago, Ill. Weatherproof nail. 1,751,800; Mar. 25.
- Dickson, James G., Glencoe, Ill. Gasket. 1,782,870; Nov. 25.
- Dickson, Joseph F. (See Bronson, C. E., and Dickson.)
- Dickson, Joseph F., and R. M. Turner, assignors, by mesne assignments, to Kewanee Boiler Company, Kewanee, Ill. Boiler. 1,748,945; Mar. 4.
- Dickson, Lillian M., et al. (See Dickson, George A., assignor.)
- Dickson, Thomas A., assignor to Colorado Iron Works Company, Denver, Colo. Ore classifier. 1,785,302; Dec. 16.
- Dickson, William J., Brooklyn, N. Y. Air control for internal-combustion engines. 1,747,353; Feb. 18.
- Di Cristina, Anthony F., Los Angeles, Calif. Ring. Des. 82,544; Nov. 18.
- Dictaphone Corporation. (See Beers, Hurlbut P., assignor.)
- Dictaphone Corporation. (See Bodine, Alfred V., assignor.)
- Dictaphone Corporation. (See Frykman, Victor L., assignor.)
- Dictaphone Corporation. (See Johnson, Arthur A., assignor.)
- Dictaphone Corporation. (See Johnson, Manfred J., assignor.)
- Dictaphone Corporation. (See King, Henry J., assignor.)
- Dictaphone Corporation. (See Lucarelle, Joseph M., assignor.)
- Dictaphone Corporation. (See Lucarelle, J. M., and Renholdt, assignors.)
- Dictaphone Corporation. (See Woodbridge, Charles K., assignor.)
- Dictaphone Corporation. (See Worrell, Howard S., assignor.)
- Dictaphone Corporation. (See Worrell, H. S., and Wheeler, assignors.)
- Diebold, Fritz, Zurich, Switzerland, and O. Friedeberg, Berlin, Germany. Composition for cleaning glass windows. 1,764,392; June 17.
- Diebold, Pierre, Nancy, France. Washing machine. 1,772,860; Aug. 12.
- Diebold Safe & Lock Company. (See Abbott, Albert L., assignor.)
- Dieck, Henry W., Brooklyn, assignor to Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 82,253; Oct. 14.
- Diederich, Victor P., Hot Springs, Ark. Combined vent and safety valve. 1,751,684; Mar. 25.
- Dieffenbach, Emery M., Orlando, Fla. Process and apparatus for the destruction of insect larvæ. 1,773,099; Aug. 19.
- Diehl, Adam, Springfield, Ohio. Slip flask. 1,746,146; Feb. 4.
- Diehl, Frederick, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Snap switch. 1,777,877; Oct. 7.
- Diehl, Harry L. (See Matthews, Guy L., assignor.)
- Diehl Manufacturing Company. (See Diehl, Frederick, assignor.)
- Diehl Manufacturing Company. (See Karle, John D., assignor.)
- Diehl, Peter B., York, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Chain fastener. 1,761,559; June 3.
- Diehl, Richard. (See Evers, W. H., and Diehl.)
- Diehl, Richard, New York, N. Y. High-altitude flying machine. 1,779,160; Oct. 21.
- Diemann, Henry, Woodhaven, N. Y. Resilient wheel for vehicles. 1,750,260; Mar. 11.
- Diem-Bernet, Ulrich, Speicher, Switzerland. Manufacture of light-sensitive films. 1,769,940; July 8.
- Diemoulding Production Company. (See Holden, Joseph B., assignor.)
- Diemoulding Production Company Inc. (See Holden, Joseph B., assignor.)
- Diener, Riley M., assignor, by mesne assignments, to Chicago Telephone Supply Company, Elkhart, Ind. Automatic plug. 1,756,940; May 6.
- Diener, John A. (See Mock, F. C., and Diener.)
- Diener, John A., Chicago, Ill. Priming engines. 1,744,953; Jan. 28.
- Diener, John A., assignor to Stromberg Motor Devices Company, Chicago, Ill. Fuel-feed system. 1,745,568; Feb. 4.
- Dienst, Karl, Frankfurt-on-the-Main, Germany. Grinding of bread grain. Re17,829; Oct. 14.
- Dienst, Karl, Frankfurt-on-the-Main, Germany. Grinding of bread grain. 1,751,032; Mar. 18.
- Dierks, Wilhelm, Osnabruck, Germany. Stirrer mechanism. 1,782,957; Nov. 25.
- Dies, Charles A., Chicago, Ill. Hairpin. 1,781,324; Nov. 11.
- Diesel Filter Co. (See Maunula, O. A., and Rowland, assignors.)
- Diesel, William F. (See Hill, W. R., and Diesel.)
- Diesen, Sverre, Oslo, Norway. Web-forming apparatus. 1,771,559; July 29.
- Dieter, Paul W., New York, N. Y. Lock nut. 1,750,925; Mar. 18.
- Dieter, Paul W., New York, N. Y. Lock nut. 1,750,926; Mar. 18.
- Dieterle, Frank, assignor to Ken Wel Sporting Goods Co., Inc., Utica, N. Y. Boxing glove. 1,752,977; Apr. 1.
- Dieterle, Paul, Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Reduction of aromatic nitro compounds. 1,765,367; June 24.
- Dieterle, Paul, Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Making amino-azo compound. 1,785,769; Dec. 23.
- Dieter, Harry W., assignor to United States Radiator Co., Detroit, Mich. Continuous iron-temperature recorder. 1,784,420; Dec. 9.
- Diether, Carl F., East Cleveland, assignor of one-half to R. S. Mayer, Cleveland, Ohio. Reversing mechanism. 1,742,695; Jan. 7.
- Diether, Charles F., St. Paul, Minn. Shoe closure. 1,762,615; June 10.
- Dietmann, Paul W., Jonkoping, assignor to Aktiebolaget Siefert & Fornander, Kalmar, Sweden. Device for collecting finished matches from match-making machines. 1,750,392; Mar. 11.
- Dietmann, Paul W., Jonkoping, assignor to Aktiebolaget Siefert & Fornander, Kalmar, Sweden. Collecting matches. 1,770,901; July 22.
- Dietrich, Carl W., North Bergen, N. J. Storage-battery indicator. 1,760,937; June 3.
- Dietrich, Friedrich R., Pasing, near Munich, Germany. Dirigible headlight. 1,772,799; Aug. 12.
- Dietrich, William C. (See Roman, H. J., and Dietrich.)
- Dietrichs, Charles, Little Ferry, assignor, by mesne assignments, to Walker Cement Products, Inc., Union City, N. J. Concrete-block machine. 1,752,373; Apr. 1.
- Dietrichs, Charles, Little Ferry, assignor to Walker Cement Products, Inc., Union City, N. J. Concrete-pipe mold. 1,782,412; Nov. 25.

- Dietrichs, Charles, Little Ferry, assignor to Walker Cement Products, Inc., Union City, N. J. Concrete-brick manufacture. 1,782,413; Nov. 25.
- Dietrichson, Frederick, New Rochelle, N. Y. Massage attachment for shaving brushes. 1,760,747; May 27.
- Dietrichson, William F., Webster Groves, Mo., assignor to American Car and Foundry Company, New York, N. Y. Hatch-cover-supporting means. 1,760,688; May 27.
- Dietrichson, William F., Webster Groves, Mo., assignor to American Car and Foundry Company, New York, N. Y. Car construction. 1,784,484; Dec. 9.
- Dietz, Frank L., assignor to North Pacific Cedar Products Corporation, Seattle, Wash. Split shake. 1,775,450; Sept. 9.
- Dietz, Franz. (See Dietz, Leo S., assignor.)
- Dietz, Gustav and R., Sherman, Calif. Photographic lamp. 1,744,369; Jan. 21.
- Dietz, Gustav and R., Sherman, Calif. Flood light. 1,744,370; Jan. 21.
- Dietz, Leo S., assignor of one-half to F. Dietz, Zion, Ill. Plasterer's float. 1,761,109; June 3.
- Dietz, Raymond. (See Dietz, Gustav and R.)
- Dietz, William C. F., Cincinnati, Ohio. Safety disengaging mechanism for wringers. 1,762,916; June 10.
- Dietz, William C. F., Cincinnati, Ohio. Feeding table for clothes wringers. 1,786,705; Dec. 30.
- Dietze, Eginhard, Westfield, N. J., assignor to American Telephone and Telegraph Company. Device for measuring level differences. 1,755,244; Apr. 22.
- Dietze, Richard. (See Rupperecht, K., and Dietze.)
- Dietzgen, Eugene, Company. (See Allin, Richard F., assignor.)
- Dietzgen, Eugene, Company. (See Langsner, Adolph, assignor.)
- Dieux, Jean, Paris, France. Phonograph pick-up apparatus. 1,778,211; Oct. 14.
- Dieux, Jean, Paris, France. Electric pick-up for gramophone or other sound records. 1,780,378; Nov. 4.
- Dievendoff, Horton H., Santa Paula, and S. O. Barton, Ventura, assignors to Pacific Oil Well Cementing Company, Incorporated, Los Angeles, Calif. Apparatus for cementing wells. 1,763,642; June 17.
- Diez, Conrad J., assignor to American Brass & Fire Equipment Corporation, Baltimore, Md. Fire-hose connector head. 1,750,927; Mar. 18.
- Diezmann, Arno, Erlau, Germany. Bearing-adjusting means. 1,770,228; July 8.
- Diffenderfer, Charles W., Greencastle, Pa., assignor to The Interwoven Mills, Inc., New Brunswick, N. J. Circular-knitting machine. 1,748,946; Mar. 4.
- Diffin, Frank G., assignor to The Longsign Corporation, Dayton, Ohio. Electric sign. 1,768,672; July 1.
- Di Filippo, Massimo, Nokesville, Va. Animal trap. 1,745,666; Feb. 4.
- Diggins, Thomas L., Milton, Oreg., assignor of one-half to E. Harris, Seattle, Wash. Stubble remover and seed-bed fertilizer. 1,765,005; June 17.
- Di Giacomo, Michael J., Wilmington, Del. Paper-hanging machine. 1,752,898; Apr. 1.
- Dignan, Eugene, Boyne City, Mich. Curtain-bracket-fixture block. 1,763,764; June 17.
- Dignan, Thomas, et al. (See Brost, Charles A., assignor.)
- Dijksterhuis, Popko R. (See Brandsma, W. F., Dijksterhuis, Sizoo, and Jonas.)
- Dijksterhuis, Popko R., and Yme B. F. J. Groeneveld, Eindhoven, Netherlands, assignors to Radio Corporation of America. Transformer. 1,761,110; June 3.
- Dike, Theodore W., New Westminster, and F. Sawford, Vancouver, assignors to The Laminated Materials Company, Limited, New Westminster, British Columbia, Canada. Drive and control mechanism for veneer lathes and the like. 1,745,898; Feb. 4.
- Dilks, James J., Jr., West Collingswood, assignor to The New Matix Equipment Co., Audubon, N. J. Air compressor. 1,751,449; Mar. 18.
- Dill Manufacturing Company, The. (See Bronson, Adelbert E., assignor.)
- Dill Manufacturing Company, The. (See Crowley, John C., assignor.)
- Dill Manufacturing Company, The. (See Tobold, Ewald F., assignor.)
- Dill, Richard E., Alexandria, Nebr. Joint construction. 1,762,713; June 10.
- Diller, Alfred, Aesch/Basel, Switzerland. Pencil having a sharpening device for the lead. 1,780,581; Nov. 4.
- Dillhoefer, Henry M., Cleveland Heights, assignor to The Byrne Manufacturing Company, Cleveland, Ohio. Bung ring. 1,781,166; Nov. 11.
- Dillinger, Ludwig, Fairview, N. J. Doll kitchen. Des. 80,409; Jan. 28.
- Dillingham, George E. (See Stadler, E. H., and Dillingham.)
- Dillingham Manufacturing Co. (See Barrows, Harry E., assignor.)
- Dillman, Earnest J., Kenmore, assignor to American Radiator Company, New York, N. Y. Pressure-operated regulator. 1,751,193; Mar. 18.
- Dillman, Earnest J., Detroit, Mich., assignor to American Radiator Company, New York, N. Y. Control device. 1,780,417; Nov. 4.
- Dillon-Gaw Motor Company. (See Gaw, Luther A., assignor.)
- Dillon, James, Mount Vernon, N. Y. Connector for terminal wires. 1,753,777; Apr. 8.
- Dillon, Oval L., assignor to V. L. Phillips, Kansas City, Mo. Steam-generating plant. 1,768,514; June 24.
- Dillon, Stephen V., Tulsa, Okla., assignor to Smith Separator Company. Rod or tubing guide. 1,751,154; Mar. 25.
- Dillon, Wallace M., Washington, D. C. Strainer. Re17,685; May 27.
- Dillon, William A., and C. O. Weingand, Los Angeles, Calif. Shaving brush. 1,762,616; June 10.
- Dillow, Alma, Seattle, Wash. Cake and pie pan. 1,757,655; May 6.
- Dillow, George F., Seattle, Wash. Cooking utensil. 1,757,656; May 6.
- Dilts Machine Works, Inc. (See Haskell, John D., assignor.)
- Dilts Machine Works, Inc., et al. (See Johnson, Frank A., assignor.)
- Diltz, Charles B., Frost, Tex. Conserving storage-battery solution. 1,749,665; Mar. 4.
- Di Lucci, Anthony, assignor to Applied Research, Inc., Chicago, Ill. Lamp. Des. 80,938; Apr. 15.
- Diluent Corporation. (See Cabrera, Charles T., assignor.)
- Dilworth, Richard M., Lakewood, and F. G. Niece, assignors to The Electro-Motive Company, Cleveland, Ohio. Apparatus for treating used lubricating oil. 1,749,571; Mar. 4.
- Dilworth, Timothy J., Boston, Mass. Body drag. 1,758,149; May 13.
- Dimand, Jacob M., Brooklyn, N. Y. Reflection parking light. 1,769,917; July 8.
- Dim-Dazzle (Parent) Company Limited. (See John, Arthur S., assignor.)
- Dimelow, Thomas E., York, Pa., assignor, by mesne assignments, to The Dentists' Supply Company of New York. Molding artificial teeth. 1,745,570; Feb. 4.
- Dimeo, James J., assignor to The Permold Company, Cleveland, Ohio. Apparatus for casting metal articles. 1,745,891; Feb. 4.
- Dimick, William J. (See Mann, Garfield L., assignor.)
- Dimler, Ernest H., assignor to Bethlehem Foundry & Machine Company, Bethlehem, Pa. Mill. 1,777,605; Oct. 7.
- Dina, Augusto, Jersey City, N. J., assignor to The Precision Machine Co., Inc., New York, N. Y. Framing mechanism for cinematographic projectors. 1,746,385; Feb. 11.
- Dina, Augusto, Jersey City, N. J., assignor to The Precision Machine Co., Inc., New York, N. Y. Film trapdoor lock. 1,746,386; Feb. 11.
- Dina, Augusto, Jersey City, N. J., assignor to The Precision Machine Co., Inc., New York, N. Y. Fire-shutter automatic release. 1,749,971; Mar. 11.
- Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Framing-light mechanism. 1,753,647; Apr. 8.
- Dina, Augusto, Jersey City, N. J., assignor to The Precision Machine Co., Inc., New York, N. Y. Dowser or diaphragm for motion-picture apparatus. 1,755,175; Apr. 22.
- Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Pedestal lever for picture-projection machines. 1,764,201; June 17.
- Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Pad-roller arm. 1,764,939; June 17.
- Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Shutter for projection machines (bent edges) for motion-picture-projection machines. 1,765,006; June 17.
- Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Bracket for projection machine shutters. 1,771,748; July 29.
- Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Optical system of motion-picture-projection machines. 1,773,575; Aug. 19.
- Dina, Augusto, Jersey City, N. J., assignor to The Precision Machine Co., Inc., New York, N. Y. Intermittent couple and adjustment. 1,774,789; Sept. 2.
- Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Supporting pedestal. 1,776,109; Sept. 16.
- Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Compound support for motion-picture-projection machines. 1,776,110; Sept. 16.
- Dina, Augusto, Jersey City, N. J., assignor to The Precision Machine Co., Inc., New York, N. Y. Governor. 1,777,354; Oct. 7.
- Dindinger, Paul R., Florence, Ariz. Gun sight. 1,755,635; Apr. 22.
- Dinesen, Laurits, Minneapolis, Minn. Vacuum pump or pulsator. 1,755,318; Apr. 22.
- Di Neuberg, Ferdinando B., Treviso, Italy. Hub cap. 1,761,468; June 3.
- Di Neuberg, Ferdinando B., Treviso, Italy. Fluid-operated apparatus for lifting automobile wheels. 1,780,972; Nov. 11.
- Dinger, Gustav, Zurich, Switzerland. Hair-waving appliance. 1,779,905; Oct. 28.
- Dingman, James E. (See Satterthwaite, J. P., and Dingman.)

- Dingman, James E., Brooklyn, and R. F. Engelbert, Woodhaven, N. Y., assignor to American Telephone and Telegraph Company. Combined cutter and pressure roller device. 1,757,173; May 6.
- Dingman, Wilbert A. (See Baker, M. C., and Dingman.)
- Dinhofer, Julius, New York, N. Y. Precious, semi-precious, or synthetic cut stone. Des. 81,375; June 17.
- Dinhofer, Julius, New York, N. Y. Precious, semi-precious, or synthetic cut stone. Des. 81,376; June 17.
- Dinhofer, Julius, New York, N. Y. Precious, semi-precious, or synthetic cut stone. Des. 81,377; June 17.
- Dinhofer, Julius, New York, N. Y. Precious, semi-precious, or synthetic cut stone. Des. 81,378; June 17.
- Dinhofer, Julius, New York, N. Y. Precious, semi-precious, or synthetic cut stone. Des. 81,379; June 17.
- Dinhofer, Julius, New York, N. Y. Precious, semi-precious, or synthetic cut stone. Des. 81,380; June 17.
- Dinhofer, Julius, New York, N. Y. Precious, semi-precious, or synthetic cut stone. Des. 81,381; June 17.
- Dinhofer, Julius, New York, N. Y. Precious, semi-precious, or synthetic cut stone. Des. 81,382; June 17.
- Dinkelspiel, Lawrence, West New York, N. J. Lace scarf or similar article. Des. 81,868; Aug. 26.
- Dinkelspiel, Lawrence, West New York, N. J. Lace scarf or similar article. Des. 81,869; Aug. 26.
- Dinkelspiel, Lawrence, West New York, N. J. Lace scarf or similar article. Des. 81,870; Aug. 26.
- Dinkelspiel, Lawrence, West New York, N. J. Hosiery and making the same. 1,743,998; Jan. 14.
- Dinsmoor, John L., New York, N. Y. Salt shaker. 1,757,297; May 6.
- Dinsmoor, Paul A., assignor to Lawrence Paper Manufacturing Company, Lawrence, Kans. Reversible reel for strip-applying machines. 1,780,469; Nov. 4.
- Dinzi, Richard W. (See Nowak, A. K., and Dinzi.)
- Diodati, Alfred, New York, N. Y. Gas-control system and thermostat therefor. 1,778,314; Oct. 14.
- Dion, Leslie H. (See Brandegee, A. W., and Dion.)
- Dionne, Arthur A., Chicago, Ill., assignor to The Alvey-Ferguson Company, Cincinnati, Ohio. Record and record holder. 1,762,137; June 3.
- Dip-It Inc. (See David, Albert, assignor.)
- Dip-It Inc. (See Schlatter, Eugene R., assignor.)
- Dippman, Fred R. (See Moore, E. D., and Dippman.)
- Dippman, Fred R., and E. D. Moore, assignors to The Ohio Brass Company, Mansfield, Ohio. Trolley-pole base. 1,770,229; July 8.
- Dippman, Fred R., and E. D. Moore, assignors to The Ohio Brass Company, Mansfield, Ohio. Current-collector support. 1,786,719; Dec. 30.
- Dirkes, Robert F., Jamaica, N. Y., and E. R. Wheeler, North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph-printer tape-feed mechanism. 1,754,985; Apr. 15.
- Dirkes, Vincent M., and G. L. Terna, assignors to General Motors Research Corporation, Detroit, Mich. Stripping tool. 1,749,326; Mar. 4.
- Disappearing Screen & Shade Company. (See Valentine, Harry W., assignor.)
- Disbro, Roger W., assignor to The W. S. Tyler Company, Cleveland, Ohio. Metallic wall structure. 1,778,889; Oct. 21.
- Disbrow, Clarkson A., New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Splicing structure for different type rails. 1,771,528; July 29.
- Disenza, John, and J. Filippone, New York, N. Y. Repairing last. 1,763,765; June 17.
- Dischert, George J., Philadelphia, Pa. Slicing apparatus. 1,768,580; July 1.
- Diserens, Paul, Brooklyn, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Pumping engine. 1,754,743; Apr. 15.
- Disibio, Angelo, Pittsburg, Calif. Adjustable clamp. 1,765,826; June 24.
- Di Silvestro, Joseph, Lancaster, Pa. Floor lamp. Des. 80,436; Feb. 4.
- Disney, James L., Jenkintown, Pa. Insect trap. 1,750,163; Mar. 11.
- Disney, Walter E., Los Angeles, Calif. Toy or similar article. Des. 82,802; Dec. 16.
- Dispersions Process, Inc. (See Pratt, William B., assignor.)
- Disston, Henry, & Sons, Incorporated. (See Charlton, Richard C., assignor.)
- Distor, Joseph, Hamilton, Ohio, assignor to American Can Company, New York, N. Y. Can. 1,773,263; Aug. 19.
- Distler, Otto, and E. Klein, New York, N. Y. Locking button. 1,758,503; May 13.
- Distler, Otto, and E. Klein, New York, N. Y. Detachable button. 1,774,639; Sept. 2.
- Ditchburn, Herbert, Gravenhurst, Ontario. Motor boat. 1,765,789; June 24.
- Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door lock and operator. 1,747,864; Feb. 18.
- Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. House-car door construction. 1,752,334; Apr. 1.
- Di Tella, Torcuato, Buenos Aires, Argentina. Liquid-dispensing apparatus. 1,766,287; June 24.
- Di Tella, Torcuato, Buenos Aires, Argentina. Liquid-dispensing apparatus. 1,774,790; Sept. 2.
- Ditlevsen, Jens C., Antioch, Calif. Power-operated hoe. 1,743,195; Jan. 14.
- Ditson, Jesse, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Shank and bit punch. 1,748,639; Feb. 25.
- Ditson, Jesse, and A. E. Peters, Littleton, Colo., assignors to Ingersoll-Rand Company, Jersey City, N. J. Air-return dolly. 1,747,164; Feb. 18.
- Dittes, Henry, Minneapolis, Minn. Oil burner. 1,765,827; June 24.
- Dittlinger-Crow Process Company. (See Crow, Waller, assignor.)
- Dittmar, Irvin F., assignor to The Cromar Company, Williamsport, Pa. Machine for coating strips of lumber. 1,766,779; June 24.
- Ditto, General M., Joliet, Ill. Seeder and the like. 1,776,751; Sept. 23.
- Ditto Incorporated. (See Hoskins, William, jr., assignor.)
- Ditto, Inc. (See Moll, Wilhelm K., assignor.)
- Ditto, Incorporated. (See Pederson, John P., assignor.)
- Ditto, Incorporated. (See Williams, William E., assignor.)
- Dittrich, Lloyd H., Washington, D. C. Detention guard. 1,745,661; Feb. 4.
- Divco Detroit Corporation et al. (See Whitney, Eddy R., assignor.)
- Diven, Frederick C., Seattle, Wash. Card holder. 1,770,914; July 22.
- Divine Brothers Company. (See Pilkington, Robert G., assignor.)
- Dix, Clarence A., Detroit, Mich. Metal-reworking machine. 1,778,105; Oct. 14.
- Dix, Howard W. (See Myers, Elman B., assignor.)
- Dixie Machinery Manufacturing Company. (See Frickey, Edward H., assignor.)
- Dixon, Albert H., T. S. Robson, Seattle, Wash., and F. A. Henschell, Vancouver, British Columbia, Canada. Making shredders. 1,768,462; June 24.
- Dixon, Albert H., T. S. Robson, Seattle, Wash., and F. A. Henschell, Vancouver, British Columbia, Canada. Shredder. 1,768,463; June 24.
- Dixon, Elizabeth W. (See Bombard, J. A., and Rogers, assignors.)
- Dixon Fabrics Corporation. (See Weber, William W., assignor.)
- Dixon, George L. (See Fluharty, Allan M., assignor.)
- Dixon, Harold W. A., Hollis, N. Y., assignor to Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Apparatus for manufacturing carbon paper. 1,760,045; May 27.
- Dixon, Harold W. A., Hollis, assignor to Columbia Ribbon & Carbon Manufacturing Company, Inc., New York, N. Y. Marking paper. 1,780,007; Oct. 28.
- Dixon, Harold W. A., Hollis, N. Y., assignor to Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, Long Island. Wrapping machine. 1,783,226; Dec. 2.
- Dixon, John J., deceased, assignor of one-half to S. Cornell, Fairmont, W. Va.; F. J. Hession, administrator. Railway-track tie. 1,754,352; Apr. 15.
- Dixon, John W., Maywood, Ill. Tin-edging machine. 1,760,046; May 27.
- Dixon, Walter L., assignor to Reece Folding Machine Company, Boston, Mass. Folding machine. 1,753,648; Apr. 8.
- Dixon, Wentworth G. (See Grainger, J. E., Dixon, and Shadbolt.)
- Dixon, Harry, assignor to Rolscreen Company, Pella, Iowa. Roll-screen installation for casement windows. 1,745,208; Jan. 28.
- Dixon, Harry, assignor to Rolscreen Company, Pella, Iowa. Roll-screen latch. 1,749,180; Mar. 4.
- Dixon, Harry, Pella, assignor to Rolscreen Company, Des Moines, Iowa. Guide and mounting for screens or the like. 1,761,332; June 3.
- Dixon, Harry, assignor to Rolscreen Company, Pella, Iowa. Roller-screer structure. 1,786,054; Dec. 23.
- Doane, George B., jr. (See Woodbury, R., Martin, and Doane.)
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Dustproof lighting unit. 1,743,846; Jan. 14.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Vibrationproof lighting unit. 1,743,847; Jan. 14.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting unit. 1,743,848; Jan. 14.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Inclosed lighting fixture. 1,746,339; Feb. 11.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Dustproof cover for reflectors. 1,746,340; Feb. 11.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Shade holder. 1,751,311; Mar. 18.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,764,393; June 17.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Shade holder. 1,764,394; June 17.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,764,395; June 17.
- Dobbel, Frederick W., Sonoma, Calif. Electric switch. 1,744,828; Jan. 28.
- Dobben, Pieter W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for rectifying alternating currents. 1,772,133; Aug. 5.
- Dobbie, John T., and J. Todd, Lonaconing, Md. Car-attached derailer. 1,777,788; Oct. 7.

- Dobbie McInnes and Clyde Limited. (See Reid, Alexander, assignor.)
- Dobbins, Donald C., Champaign, Ill. Transmission mechanism. 1,782,342; Nov. 18.
- Dobbins, Donald C., Champaign, Ill. Transmission mechanism. 1,782,343; Nov. 18.
- Dobbins Manufacturing Company, The. (See Brandt, Henry E., assignor.)
- Dobbs, William G. (See Emig, B. M., and Dobbs.)
- Dobeckmann Company, The. (See Becker, L. A., and Munson, assignors.)
- Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,749,069; Mar. 4.
- Doble, Bradley, Elmhurst, N. Y., assignor to American Arch Company. Furnace-arch construction. 1,759,045; May 20.
- Dobie, Bradley, Elmhurst, N. Y., assignor to American Arch Company. Refractory arch construction. 1,760,121; May 27.
- Dobie, Bradley, Ridgewood, N. J., assignor to American Arch Company, New York, N. Y. Arch structure. 1,759,102; May 20.
- Dobkin, William J., assignor to Superior Locker Company, Chicago, Ill. Indicating device for locker doors. 1,777,296; Oct. 7.
- Doble, Charles, Mount Carmel, Pa. Combined player piano and phonograph. 1,765,261; June 17.
- Doble, Frank C., Cambridge, Mass. Insulating telephonic relay. 1,774,745; Sept. 2.
- Doble, Ralph N., Bayside, N. Y. Coin holder. 1,757,008; May 6.
- Doble Steam Motors Corporation. (See Doble, Warren, assignor.)
- Doble, Warren, Oakland, Calif., assignor to Doble Steam Motors Corporation, Wilmington, Del. Steam-power plant. 1,743,440; Jan. 14.
- Dobmaier, Karl, Leverkusen-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Combating and exterminating of vermin and insect pests. 1,758,936; May 20.
- Dobrick, August C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Top plate for wash-basins. Des. 80,830; Apr. 1.
- Dobrowsky, Emmanuel, New York, N. Y. Taxi advertising device. 1,744,705; Jan. 21.
- Dobson, Davis L., Wilmington, and P. J. Dobson, Kenansville, N. C. Mail bag and support therefor. 1,755,950; Apr. 22.
- Dobson, John E., assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Drawing press. 1,753,695; Apr. 8.
- Dobson, John E., assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Press for forging or shaping metal. 1,772,599; Aug. 12.
- Dobson, Percy R., Calgary, Alberta, Canada. Door-operating mechanism. 1,746,341; Feb. 11.
- Dobson, Perry J. (See Dobson, Davis L. and P. J.)
- Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,767,278; June 24.
- Dobson, William D., Cleveland, Ohio. Gearing for machines. 1,781,275; Nov. 11.
- Dobyns, James A. (See Davis, William O., assignor.)
- Dochnal, Frank, St. Louis, Mo. Top and means for spinning same. 1,771,489; July 29.
- Dockl, Johann, Graz, Austria, assignor to Aktiebolaget Sveaexport, Stockholm, Sweden. Weighing device for dial balances. 1,785,542; Dec. 16.
- Dockson, Charles H., Detroit, Mich. Pressure-regulating valve. 1,781,054; Nov. 11.
- Dockstader, De Witt, Johnston, N. Y. Device for measuring the inseams of men's trousers and height of waistbands. 1,783,906; Dec. 2.
- Doddridge, Earl W., Milton, Ind. Automatic grave cover. 1,776,492; Sept. 23.
- Dodds, Charles, Tipton, Iowa. Adjustable step for vehicles. 1,762,052; June 3.
- Dodds, Ethan L., Central Valley, N. Y. Snubber. 1,745,662; Feb. 4.
- Dodds, Lee L. (See Griffith, T. E., and Dodds.)
- Dodge, Adiel Y., South Bend, Ind. Telephone head set. 1,780,178; Nov. 4.
- Dodge, Adiel Y., South Bend, Ind. Vacuum-inducing construction. 1,782,199; Nov. 18.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Expanding clutch. 1,746,822; Feb. 11.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating connection. 1,747,354; Feb. 18.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Braking of wheels. 1,749,022; Mar. 4.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake construction. 1,752,478; Apr. 1.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,756,975; May 6.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating shaft and its mounting. 1,757,074; May 6.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake control. 1,762,290; June 10.
- Dodge, Adiel Y., assignor to Perrot Brake Corporation, South Bend, Ind. Brake control. 1,762,714; June 10.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company. Brake mechanism. 1,765,350; June 17.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company. Brake mechanism. 1,765,351; June 17.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake mechanism. 1,771,843; July 29.
- Dodge, Adiel Y., and R. S. Sanford, assignors to Bendix Brake Company, South Bend, Ind. Brake. 1,757,558; May 6.
- Dodge, Arthur H., assignor to J. G. Wilson Corporation, New York, N. Y. Venetian blind. 1,756,680; Apr. 29.
- Dodge, Gordon F., New York, N. Y., assignors to Robins Conveying Belt Company, Passaic, N. J. Drive mechanism for conveyer belts. 1,776,419; Sept. 23.
- Dodge, Harold C., Portland, and W. H. Beane, Klamath Falls, Oreg. Conveyer. 1,781,750; Nov. 18.
- Dodge, Henry P., Toledo, Ohio, assignor to Luthy Battery Equipment Company, San Antonio, Tex. Battery-plate building. 1,785,939; Dec. 23.
- Dodge, John H., assignor of one-half to G. P. Clark, Shannock, R. I. Loom. 1,782,987; Nov. 25.
- Dodge Manufacturing Corporation. (See Coghill, James T., assignor.)
- Dodge Manufacturing Corporation. (See Gilderman, George W., assignor.)
- Dodge Manufacturing Corporation. (See Isbell, Donald K., assignor.)
- Dodge Manufacturing Corporation. (See Strong, Arthur P., assignor.)
- Dodge Manufacturing Corporation. (See Van Derhoef, George N., assignor.)
- Dodge, Merton L., Seattle, Wash. Doorcheck. 1,787,147; Dec. 30.
- Dodge, Milo C., assignor to Columbian Rope Company, Auburn, N. Y. Tape and making same. 1,758,033; May 13.
- Dodge, Milo C., assignor to Columbian Rope Company, Auburn, N. Y. Tape and making the same. 1,762,917; June 10.
- Dodge, Milo C., assignor to Columbian Rope Company, Auburn, N. Y. Flat paper-tape marker for rope. 1,762,918; June 10.
- Dodge, Milton L., Newburyport, Mass. Counter stiffener and making the same. 1,743,534; Jan. 14.
- Dodge, Ralph E., San Francisco, Calif. Lift bridge. 1,765,407; June 24.
- Dodge, Sherwood O. (See Gowing, H. A., and Dodge.)
- Dodge, Walter P., Springfield, Mass. Tool for holding bushings for valve stems. 1,775,022; Sept. 2.
- Dodge, William L., Dover, N. H. Curtain-operating means. 1,758,034; May 13.
- Dodgson, Frank L., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,743,810; Jan. 14.
- Dodgem Corporation. (See Markey, Fred L., assignor.)
- Dodson, James. (See Dodson, Leonard and J.)
- Dodson, James L., Indianapolis, Ind. Ignition switch. 1,748,705; Feb. 25.
- Dodson, Leonard and J., Chicago, Ill. String musical instrument. 1,759,736; May 20.
- Dodson, Leonard and J., Chicago, Ill. Stringed musical instrument. 1,759,779; May 20.
- Dodunski, Peter F., Solon, Ohio. Automatic fire alarm. 1,755,473; Apr. 22.
- Doebeli, Albert, Bern, Switzerland. Article-dispensing apparatus. 1,746,192; Feb. 4.
- Doebke, Willi, Berlin, Germany, assignor to General Electric Company. Eliminating disturbing currents. 1,770,333; July 8.
- Doebler, Adolf, Karlsruhe, Germany. High-pressure water-tube boiler with divided header. 1,772,307; Aug. 5.
- Doebler, Charles F., assignor to B. Frank, New York, N. Y. Clip for writing tools. 1,756,241; Apr. 29.
- Doebler, Charles F., assignor to B. Frank, New York, N. Y. Writing tool. 1,756,242; Apr. 29.
- Doehler Die-Casting Co. (See Corin, Louis H., assignor.)
- Doehler Die-Casting Co. (See Pack, C., and Fox, assignors.)
- Doehler Die-Casting Co. (See Pickering, Theodore, assignor.)
- Doehler, Emil J., Buffalo, N. Y. Aeroplane flight brake. 1,772,388; Aug. 5.
- Doehler Furniture Co. Inc. (See Pauli, Erwin J., assignor.)
- Doehler Furniture Co. (See Pauli, Erwin J., assignor.)
- Doehler Vending Machines Inc. (See Corin, Louis H., assignor.)
- Doehler Vending Machines, Inc. (See Morin, Louis H., assignor.)
- Doell, Theodore W., Berkeley, and E. N. Klemgard, Albany, assignors to Standard Oil Company of California, San Francisco, Calif. Chatterless oil and producing the same. 1,781,167; Nov. 11.
- Doen, Loran F., assignor to The Cleveland Heater Company, Cleveland, Ohio. Valve. 1,759,891; May 27.
- Doen, Loran F., assignor to The Cleveland Heater Company, Cleveland, Ohio. Valved coupling. 1,759,892; May 27.

- Doen, Loran F., assignor to The Cleveland Heater Company, Cleveland, Ohio. Valve. 1,759,893; May 27.
- Doeppler, Joseph, New York, N. Y. Revolving mercury flasher. 1,747,469; Feb. 18.
- Doering, Charles and H. H., Chicago, Ill. Butter-cutting machine. 1,761,010; June 3.
- Doering, George J., Evanston, Ill. Trip hook. 1,786,523; Dec. 30.
- Doering, Henry H. (See Doering, Charles and H. H.)
- Doermann, Albert J., Chicago, Ill. Making abrasive disks. 1,785,437; Dec. 16.
- Doerr, Harry E., assignor to Scullin Steel Co., St. Louis, Mo. Side frame. 1,764,940; June 17.
- Doerr Manufacturing Company. (See Roedding, Gordon E., assignor.)
- Doersch, Maurice, Mount Horeb, Wis. Cultivator. 1,752,070; Mar. 25.
- Doge, Robert-François, Zurich, Switzerland. Receptacle for dispatching dental impressions. 1,776,491; Sept. 23.
- Doheny-Stone Drill Co. (See Stone, Frederick and A. L., assignors.)
- Doherty-Brehm Company. (See Doherty, George D., assignor.)
- Doherty, Edward J., Chicago, Ill. Bumper bar. 1,774,916; Sept. 2.
- Doherty, Ella M., et al., executors. (See Doherty, James.)
- Doherty, George D., assignor to Doherty-Brehm Company, Minneapolis, Minn. Humidifying apparatus. 1,760,976; June 3.
- Doherty, Henry L. (See Loebell, Henry O., assignor.)
- Doherty, Henry L. (See Wonnig, Harvey H., assignor.)
- Doherty, Henry L., New York, N. Y. Method and apparatus for distilling solid carbonaceous material. 1,781,871; Nov. 18.
- Doherty, Henry L., New York, N. Y. House-heating system. 1,786,900; Dec. 30.
- Doherty, Henry L., assignor to Combustion Utilities Corporation, New York, N. Y. Fluid-fuel heating system. 1,786,901; Dec. 30.
- Doherty, James, deceased, Chicago, Ill.; E. M. and J. R. Doherty, executors. Sectional furnace. 1,776,352; Sept. 23.
- Doherty, James R., et al., executors. (See Doherty, James.)
- Doherty, James R., Oak Park, Ill. Furnace. 1,753,286; assignor.)
- Doherty, Philip D., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Resetting mechanism for weft-replenishing looms. 1,786,706; Dec. 30.
- Doherty Research Company. (See Badger, Edwin L., assignor.)
- Doherty Research Company. (See Bjerregaard, August P., assignor.)
- Doherty Research Company. (See Bjerregaard, James A., assignor.)
- Doherty Research Company. (See Blair, Thomas S., assignor.)
- Doherty Research Company. (See Brandt, David G., assignor.)
- Doherty Research Company. (See Bruckner, Robert E., assignor.)
- Doherty Research Company. (See Fisher, J. P., Greenfield, and Hutchinson, assignors.)
- Doherty Research Company. (See Gmeiner, Elmer V., assignor.)
- Doherty Research Company. (See Goldsborough, Winder E., assignor.)
- Doherty Research Company. (See Greenfield, Benjamin, assignor.)
- Doherty Research Company. (See Lowe, Russell E., assignor.)
- Doherty Research Company. (See Morgan, John D., assignor.)
- Doherty Research Company. (See Rush, Earl S., assignor.)
- Doherty Research Company. (See Schwartz, Stephen, assignor.)
- Doherty Research Company. (See Skillman, E., and Harmon, assignors.)
- Doherty, Russell, Oak Park, Ill. Boiler construction. 1,757,358; May 6.
- Dohme, Alfred R. L., assignor to Sharp & Dohme, Inc., Baltimore, Md. Production of acyl resorcinols. 1,750,299; Mar. 11.
- Dohnal, Frank, Euclid, Ohio. Screw holder. 1,782,565; Nov. 25.
- Dohner, Bert E., Oakwood, near Dayton, Ohio. Making couplings. 1,755,210; Apr. 22.
- Dohrmann, Henry A., assignor to Midland Specialties Company, Chicago, Ill. Container for oils, etc. 1,761,072; June 3.
- Dohrwadt, John F., assignor to Line Material Company, South Milwaukee, Wis. Expulsion fuse. 1,756,855; Apr. 29.
- Dol, Uzumi, Kitatoshima-Gori, assignor to Z. H. R. Kenkyu, Tokyo, Japan. Gas refractometer. 1,770,355; July 8.
- Dolan & Bullock. (See Carlson, Oscar, assignor.)
- Dolan, Hugh, Pottsville, Pa. Windshield wiper. 1,785,113; Dec. 16.
- Dolan, James J., Sandwich, Ill., assignor to Sandwich Manufacturing Co. Elevator. 1,775,021; Sept. 2.
- Dolan, James P., Boston, assignor to Penn Metal Company, Cambridge, Mass. Culvert joint. 1,771,167; July 22.
- Dolan, John, Dayton, Ohio. Lifting mechanism. 1,782,889; Nov. 25.
- Doland, Eben G., Starksboro, Vt. Cover holder. 1,765,135; June 17.
- Dolar, Edward, Cicero, Ill. Multiple revolving sign. 1,746,581; Feb. 11.
- Dolbier, Charles M., assignor of one-half to C. D. Lander, Kingfield, Me. Protective shield for locomotives and the like. 1,744,871; Jan. 28.
- Dolding, Chester J., assignor to Morgan & Wright, Detroit, Mich. Tire. Des. 82,254; Oct. 14.
- Dole Valve Company. (See Tweed, Frederick H., assignor.)
- Doljal, Oscar, Kansas City, Kans. Garter. 1,762,472; June 10.
- D'Olier, Henry, jr., Bridgeport, Conn. Ceiling lighting fixture. 1,742,438; Jan. 7.
- D'Olier, Henry, jr., Bridgeport, Conn. Electric lighting fixture. 1,772,930; Aug. 12.
- D'Olive, Charles R., assignor to The Fyr-Fyter Company, Dayton, Ohio. Fire extinguisher. 1,766,985; June 24.
- Dolke, William M., Stevens Point, Wis. Belt buckle. 1,761,520; June 3.
- Doll, Fred W. (See Kleinsmith, H. B., Neely, and Doll.)
- Dollack, Charles, Glendale, assignor to The Jacobs Brothers Co., Inc., Brooklyn, N. Y. Scale. 1,760,898; June 3.
- Dollar Savings and Trust Company, The, et al., executors. (See Place, Alfred G.)
- Dolley, Paul T., Los Angeles County, Calif., assignor to California Cyanide Company, Incorporated, New York, N. Y. Production of hydrocyanic acid. 1,761,433; June 3.
- Dolliers, Gaston, Paris, assignor to Etablissements Ch. Pierson & A. Poyet, Clichy, Seine, France. Hermetic slip-type closure for metallic boxes. 1,758,691; May 13.
- Dollin, Edgar N., Malba, N. Y., and C. C. Jacobson, Glen Ridge, N. J.; said Jacobson assignor to John Robertson Co., Inc., Brooklyn, and said Dollin assignor to Allied Die-Casting Corporation, Long Island City, N. Y. Die-casting machine. 1,781,168; Nov. 11.
- Dolling, Thomas H., assignor of one-half to R. McTaggart, Huntington Park, Calif. Beet gripping and conveying means. 1,763,422; June 10.
- Dollinger, Lewis L., assignor to Staynew Filter Corporation, Rochester, N. Y. Method and apparatus for filtering and cleaning filters. 1,784,278; Dec. 9.
- Dollison, James M., Columbus, Ohio. Wind instrument. 1,773,965; Aug. 26.
- Dolly, Bernard B., Cottonwood, Ariz. Air operated grease pump. 1,773,423; Aug. 19.
- Dolmage, Mihan M., Washington, D. C. Impedance variation compensator circuits. 1,756,816; Apr. 29.
- Dolman, Henry J., Rondray, assignor to Brecknell Munro & Rogers (1928) Limited, Bristol, England. Coin-controlled apparatus. 1,747,865; Feb. 18.
- Dolomite Products Company. (See Odenbach, J. H., Goldman, and Henry, assignors.)
- Dolzer, John J., Elm Grove, W. Va. Hog-snout puller. 1,764,551; June 17.
- Doman, Albert E., assignor to Owen-Dyneto corporation, Syracuse, N. Y. Regulating system for variable-speed dynamo-electric machines. 1,777,963; Oct. 7.
- Doman, John P., Los Angeles, Calif. Ironing-board construction. 1,762,436; June 10.
- Doman, Lewis B., Syracuse, N. Y. Automatic pipe organ. 1,771,457; July 29.
- Domaratus, William E., Brooklyn, N. Y. Ice pick. 1,768,035; June 24.
- Dombeck, Kazimer, Miller Field, Staten Island, N. Y. Lawn mower. 1,774,594; Sept. 2.
- Dombrowski, Anthony, Brooklyn, N. Y. Lock. 1,742,306; Jan. 7.
- Dome, Francis O., Larue, Ohio. Automatic shingle guide. 1,775,815; Sept. 16.
- Dome, Robert B., Schenectady, N. Y., assignor to General Electric Company. Oscillation generator. 1,776,149; Sept. 16.
- Domenjoz, John, assignor to Domenjoz Sail Plane Co., New York, N. Y. Aircraft. 1,752,241; Mar. 25.
- Domenjoz Sail Plane Co. (See Domenjoz, John, assignor.)
- Domestic Electric Company. (See Cook, Joel R., assignor.)
- Domestic Electric Company, The. (See Soule, George M., assignor.)
- Domestic Electric Company, The. (See Spielman, M. H., and Poesse, assignors.)
- Domestic Stoker Company. (See Hall, Cortice H., assignor.)
- Dominion Cutout Company Limited. (See Tate, James R., assignor.)
- Dominion Electrical Manufacturing Company. (See Ajax, Erick J., assignor.)
- Dominion Electrical Mfg. Company. (See McLelland, W. H., and Knutson, assignors.)
- Dominion Wood Heel Corporation, Limited. (See Raymond, Ralph L., assignor.)
- Domizi, David F., Lima, Ohio, assignor to Relay Motor Products Corporation. Motor-vehicle axle construction. 1,776,891; Sept. 30.
- Domizlaff, Hugo, assignor to Kaiserslautern Ferbandstoff Fabrik, Kaiserslautern, Germany. Bandage. 1,748,470; Feb. 25.
- Domke, John H., assignor to The Wire Novelty Manufacturing Co., West Haven, Conn. Button loop. 1,762,262; June 10.
- Domke, John H., assignor to The Wire Novelty Manufacturing Co., West Haven, Conn. Slide buckle. 1,762,263; June 10.

- Domkee, John H., assignor to The Wire Novelty Manufacturing Company, New Haven, Conn. Button loop. 1,762,264; June 10.
- Domkee, John H., assignor to The Wire Novelty Manufacturing Co., West Haven, Conn. Slide buckle. 1,776,493; Sept. 23.
- Domkee, John H., West Haven, assignor to The Wire Novelty Manufacturing Co., New Haven, Conn. Button loop. 1,776,494; Sept. 23.
- Domkee, John H., assignor to The Wire Novelty Manufacturing Co., West Haven, Conn. Button loop. 1,783,497; Dec. 2.
- Domler, Charles A., assignor to The Hadley Company, Inc., Providence, R. I. Bracelet for watches or the like. 1,760,689; May 27.
- Domler, Charles A., assignor to The Hadley Company, Inc., Providence, R. I. Bracelet attachment. 1,771,249; July 22.
- Domler, Charles A., assignor to The Hadley Company, Inc., Providence, R. I. Bracelet clasp. 1,776,892; Sept. 30.
- Domore Chair Company. (See Adams, Arthur J.)
- Do More Chair Company. (See Alfreds, Torris H.)
- Do More Chair Company. (See Harter, Evan C.)
- Domscheit, Frederick E., Brooklyn, N. Y. Window. 1,750,747; Mar. 18.
- Don Chemical Company, The. (See Strosacker, Charles J., assignor.)
- Donahue, Dennis A., assignor to The Studebaker Corporation, South Bend, Ind. Windshield weather strip. 1,763,603; June 10.
- Donahue, Thomas H., East Chicago, Ill. Refining anti-monial lead. 1,774,359; Aug. 26.
- Donahue, Thomas H., East Chicago, Ind., assignor of one-half to Cerro de Pasco Copper Corporation, New York, N. Y. Refining bismuth. 1,778,292; Oct. 14.
- Donald, Forrest V., assignor to Gilson Manufacturing Company, Port Washington, Wis. Cultivator. 1,765,358; June 17.
- Donald, Forrest V., assignor to Gilson Manufacturing Company, Port Washington, Wis. Tractor. 1,768,673; July 1.
- Donald, James. (See Downey, T. F., and Donald.)
- Donaldson, Edwin B., Washington, D. C. Key holder. 1,749,630; Mar. 4.
- Donaldson, Frank A., Minneapolis, Minn. Air cleaner. 1,755,319; Apr. 22.
- Donaldson, Frank A., Minneapolis, Minn. Spring implement seat. 1,759,978; May 27.
- Donaldson, Frank A., Minneapolis, Minn. Air cleaner and coupling. 1,787,235; Dec. 30.
- Donaldson, John S., assignor, by mesne assignments, to Airport Lighting, Inc., New York, N. Y. Airport. 1,776,111; Sept. 16.
- Donaldson, Joseph G., and H. L. Coles, assignors to Guardian Metals Company, Hamilton, Ohio. Metals and process of manufacture. 1,775,159; Sept. 9.
- Donaldson Manufacturing Company Limited. (See Hadden, William J., assignor.)
- Dönath, Bruno, Berlin, Germany. Incandescent cathode rectifier for medium voltages. 1,754,012; Apr. 8.
- Donavan, Paul J., Los Angeles, Calif., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., Fitchburg, Mass. Brake-testing machine. 1,755,287; Apr. 22.
- Doncaster, Ensley J., Raymond, Wash. Undercutting device. 1,769,122; July 1.
- Donchian, Paul S., assignor to The Samuel Donchian Rug Company, Hartford, Conn. Rug fastener. 1,770,879; July 15.
- Donchian, Samuel, Rug Company, The. (See Donchian, Paul S., assignor.)
- Donis, Anatole, Astoria, N. Y. Artificial tree. Des. 80,437; Feb. 4.
- Donitz, Jacob, et al. (See Fairhill, Morris S., assignor.)
- Donkel, Mathias, assignor to Mathias Klein & Sons, Inc., Chicago, Ill. Tree trimmer. 1,761,469; June 3.
- Donle, Harold P., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Power source for radioreceivers. 1,745,608; Feb. 4.
- Donle, Harold P., Meriden, Conn., assignor, by mesne assignments, to Radio Inventions, Inc. Electric pick-up. 1,774,494; Aug. 26.
- Donley, Harold B., and H. Balzer, assignors to The Columbus Auto Brass Company, Columbus, Ohio. Oil measure. 1,766,069; June 24.
- Donley, Harold B., A. J. Frame, and J. G. Gilmore, assignors to Franklin Oil Heating, Incorporated, Columbus, Ohio. Oil-burning apparatus. 1,786,832; Dec. 30.
- Donmac Products Corporation. (See Mackenzie, Donald G., assignor.)
- Donnallan, Martin R., assignor of one-half to N. R. Donnallan, Long Beach, Calif. Pump attachment. 1,747,056; Feb. 11.
- Donnallan, Norma R. (See Donnallan, Martin R., assignor.)
- Donnell, Sophia O., Tampa, Fla. Article carrier for airplane delivery. 1,768,194; June 24.
- Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Coin assorter. 1,749,421; Mar. 4.
- Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Bag holder. 1,753,852; Apr. 8.
- Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Feed hopper for coin-counting machines. 1,776,251; Sept. 23.
- Donnelley, Edward J., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for filing sheets of material. 1,764,613; June 17.
- Donnelley, R. R., and Sons Company. (See Ackley, Raymond E., assignor.)
- Donnelley, R. R., & Sons, Company. (See Alger, Harley C., assignor.)
- Donnellon, John H. (See McArdle, M. W., and Donnellon.)
- Donnelly, Edward F., Malden, Mass. Vacuum radiator valve. 1,767,056; June 24.
- Donnelly, Enos L., Huntington, W. Va. Automatic sheet stacker. 1,761,881; June 3.
- Donnelly, George G., Somerville, Mass. Ash sifter. 1,751,541; Mar. 25.
- Donnelly, John R. (See Hall, A. W., and Donnelly.)
- Donnelly, Joseph F., Lemont, Ill. Window. 1,770,571; July 15.
- Donnelly, R. R., & Sons Company. (See Frazier, Philip A., assignor.)
- Donnelly, William J., and E. Zimmer, Newark, N. J. Receptacle closure. 1,770,464; July 15.
- Donner, William H., Buffalo, N. Y. Die-rolling process and apparatus. 1,758,563; May 13.
- Donner, William H., Buffalo, N. Y. Method and apparatus for die rolling. 1,772,538; Aug. 12.
- Donohue, A. J., Corporation, The. (See Jacobs, Joseph, assignor.)
- Donohue, Frank, jr., New York, N. Y. Propeller mechanism for aircraft. 1,786,338; Dec. 23.
- Donovan, Alfred F., Boston, Mass. Insole for shoes. 1,760,300; May 27.
- Donovan, Deil, St. Louis, Mo. Bathroom cabinet. 1,745,209; Jan. 28.
- Donovan, George G. (See Shaner, G. A., Damp, and Donovan.)
- Donovan, John J., Lynn, Mass. Machinery used in the manufacture of leather goods and fabrics. 1,768,236; June 24.
- Donovan, John J., and F. L. V. Spring, assignors to The Chase Companies Incorporated, Waterbury, Conn. Fluid dispenser for lighters. 1,775,423; Sept. 9.
- Donovan, John J., and E. F. Wiley, Oakland, Calif. Awning-type window. 1,776,620; Sept. 23.
- Donovan, Robert E. (See Wallenberg, Richard S., assignor.)
- Doolan, John T., Edmonton, Alberta, Canada. Cultivator and pulverizer. 1,768,581; July 1.
- Dooley, William D., Chicago, Ill. Electrolyte for rectifiers, condensers, and the like and making the same. 1,748,011; Feb. 18.
- Dooley, William D., Wheeling, W. Va. Rectifying device and producing the same. 1,748,012; Feb. 18.
- Dooley, William D., Wheeling, W. Va. Rectifying device and making the same. 1,776,217; Sept. 16.
- Dootson, Norman L., San Francisco, Calif. Shock absorber. 1,766,288; June 24.
- Dopp, Carl A., assignor to Crane Co., Chicago, Ill. Valve. 1,787,236; Dec. 30.
- Döppenschmitt, Friedrich, Pforzheim, Germany. Flexible structure. 1,784,582; Dec. 9.
- Dopyera, John, Los Angeles, Calif. Stringed musical instrument. 1,750,881; Mar. 18.
- Dopyera, John, assignor to G. D. Beauchamp, T. E. Kleinmeyer, and P. Barth, Los Angeles, Calif. Stringed musical instrument. 1,762,617; June 10.
- Doran, George F., Worcester, Mass. Shaving soap. 1,771,707; July 29.
- Doran, James A., Providence, R. I. Safety catch. 1,769,337; July 1.
- Doran, James A., Providence, R. I. Automatic turnace control. 1,773,705; Aug. 19.
- Doran, James F., Danbury, Conn. Clipping machine. 1,745,477; Feb. 4.
- Doran, James F., Danbury, Conn. Hat-clipping machine. 1,763,347; June 10.
- Doran, James F., Danbury, Conn. Hat-pouncing machine. 1,771,708; July 29.
- Doran, James F., Danbury, Conn. Hat-pouncing machine. 1,774,173; Aug. 26.
- Doran, John H., Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid-turbine assemblage. 1,760,545; May 27.
- Dorau, John P., Horicon, Wis. Folding ironing table. 1,762,962; June 10.
- Dorazio, Joseph, Pueblo, Colo. Control means for irrigation ditches. 1,771,112; July 22.
- Dorcey, Thomas R. (See Forsythe, Calvin L., assignor.)
- Dorer, Oscar H., East Orange, and G. H. van Hengel, Orange, N. J., assignors to Worthington Pump and Machinery Corporation, New York, N. Y. Packing. 1,766,706; June 24.
- Dorey, George B., Evanston, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car door. 1,756,455; Apr. 29.
- Dorey, William A., and T. W. Rolph, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Luminair. 1,746,342; Feb. 11.
- Dorfman, Hiller D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermostatic device. 1,763,137; June 10.

- Dorfner, Anton L., assignor to Baeuerle & Morris, Inc., Philadelphia, Pa. Apparatus for recovering gasoline solvent. 1,753,881; Apr. 8.
- Dorgan, Albert W., Birmingham, Mich., assignor of one-half to G. W. Yeoman, Detroit, Mich. Aeroplane. 1,749,572; Mar. 4.
- Doring Company. (See Doring, Max B. A., assignor.)
- Döring, Fritz, Berlin-Frohnau, and K. Müller, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Electromagnetic switch. 1,756,540; Apr. 29.
- Doring, Max B. A., Brooklyn, assignor to Doring Company, Inc., New York, N. Y. Mechanical movement. 1,777,748; Oct. 7.
- Dorman, Garland G., Colville, Wash. Collapsible camp stove. 1,780,068; Oct. 28.
- Dorman, George W., Everett, Wash. Trimmer-saw lift. 1,747,430; Feb. 18.
- Dorman, Neal W., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Sizing, coining, or squeezing attachment for power presses. 1,772,600; Aug. 12.
- Dorman, Neal W., A. H. Schloz, and M. R. Hatch, assignors to The Toledo Machine & Tool Company, Toledo, Ohio. Adjustable bed for power presses. 1,778,486; Oct. 14.
- Dorman, William C., Long Beach, Calif. Combination stop and tail light. 1,750,994; Mar. 18.
- Dorment, Frank C., assignor to The D & F Company, Incorporated, Washington, D. C. Vapor bath cabinet. 1,773,450; Aug. 19.
- Dormer, Devlin W. (See Rothenberger, Daniel M., assignor.)
- Dormeyer, Albert F., Chicago, Ill. Muffler. 1,758,654; May 13.
- Dormeyer, Henry A. (See Crosser, David H., assignor.)
- Dormoy, Jules M. J., Paris, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle brake device. 1,778,106; Oct. 14.
- Dormoy, Jules M. J., Paris, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Power braking apparatus. 1,786,195; Dec. 23.
- Dorn, Harry P., Cleveland, assignor to R. S. Gehr, Shaker Heights, Ohio. Electric phonograph motor. 1,758,189; May 13.
- Dorn, Harry P., Cleveland, assignor to R. S. Gehr, Shaker Heights, Ohio. Electric phonograph motor. 1,758,190; May 13.
- Dorn, Harry P., Cleveland, assignor to R. S. Gehr, Shaker Heights, Ohio. Electric phonograph motor. 1,758,191; May 13.
- Dornacher, Joseph F., Massillon, Ohio. Bailing tool and sample taker. 1,786,152; Dec. 23.
- Dornbusch Agency, Inc. (See Margonetti, Arrigo E., assignor.)
- Dorndorf, Heinrich, Rodenkirchen, near Cologne, Germany. Method and device for making ribbed tubes with smooth ribs. 1,775,555; Sept. 9.
- Dorner, Béla, Budapest, Hungary, assignor, by mesne assignments, to Cornstalk Products Company. Producing cellulosic material. 1,758,655; May 13.
- Dorner, Hermann, I. A., assignor to Union Guardian Trust Company, Detroit, Mich. Internal combustion engine. 1,777,775; Aug. 19.
- Dorneth, Julius, Berlin-Konradshöhe, assignor to the firm Typograph-Gesellschaft m. b. H., Berlin, Germany. Matrix-setting and type-line-casting machine. 1,770,100; July 8.
- Dorneth, Julius, Berlin-Konradshöhe, assignor to the firm Typograph-Gesellschaft m. b. H., Berlin, Germany. Matrix-setting and type-line-casting machine. 1,780,816; Nov. 4.
- Dorneth, Julius, Berlin-Konradshöhe, assignor to the firm Typograph-Gesellschaft m. b. H., Berlin, Germany. Matrix-setting and type-line-casting machine. 1,783,704; Dec. 2.
- Dorneth, Julius, Konradshöhe, near Tegel, assignor to the firm Typograph G. m. b. H., Berlin, Germany. Matrix-setting and line-casting machine. 1,750,707; Mar. 18.
- Dornier, Claude, assignor of one-half to Dornier-Metallbauten G. m. b. H., Friedrichshafen, Germany. Motor arrangement for aircraft. 1,773,615; Aug. 19.
- Dornier, Claude, assignor of one-half to the firm Dornier-Metallbauten G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Stub wing of flying boats. 1,785,892; Dec. 23.
- Dornier, Claudius, assignor of one-half to Dornier-Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Structural metal member. 1,743,327; Jan. 14.
- Dornier, Claudius, assignor of one-half to Dornier-Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Flying machine. 1,745,749; Feb. 4.
- Dornier, Claudius, Friedrichshafen-on-the-Bodensee, assignor of one-half to the firm: Dornier-Metallbauten G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Accommodation of liquids in flying machines. 1,781,446; Nov. 11.
- Dornier, Claudius, assignor to the firm: Dornier-Metallbauten G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Starting of large flying machines. 1,783,227; Dec. 2.
- Dornier, Claudius, assignor of one-half to the firm Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Metal propeller. 1,785,543; Dec. 16.
- Dornier-Metallbauten G. m. b. H. (See Dornier, Claude, assignor.)
- Dornier-Metallbauten G. m. b. H. (See Dornier, Claudius, assignor.)
- Dornier-Metallbauten, G. m. b. H. (See Presser, Albert, assignor.)
- Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung. (See Dornier, Claudius, assignor.)
- Dornig, Walter, Berlin-Dahlem, Germany. Constant-speed multifrequency electrical generating apparatus. 1,780,702; Nov. 4.
- Dorr Company, The. (See Bull, Arthur W., assignor.)
- Dorr Company, The. (See Dorr, J. V. N., Darby, Terry, and Spicer, assignors.)
- Dorr Company, The. (See Downes, Frank A., assignor.)
- Dorr Company, The. (See Fahrenwald, Arthur W., assignor.)
- Dorr Company, The. (See Newton, Harry W., assignor.)
- Dorr Company, The. (See Weber, William C., assignor.)
- Dörr, Eduard, Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Isolation of benzyl cellulose. 1,751,685; Mar. 25.
- Dörr, Eduard, Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Isolation of benzylcellulose. 1,771,529; July 29.
- Dorr, Harry A., New York, assignor to M. Becker, Brooklyn, N. Y. Holder for carboys and the like. 1,744,215; Jan. 21.
- Dorr, John V. N., New York, N. Y., G. M. Darby, Westport, Conn., A. Terry, Jr., and H. N. Spicer, assignors to The Dorr Company, New York, N. Y. Manufacture of sodium aluminate. 1,747,759; Feb. 18.
- Dörr, Wilhelm E., Friedrichshafen, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Airship. 1,754,883; Apr. 15.
- Dorr, William R., Palos Verdes Estates, Calif. Pipe organ. 1,779,665; Oct. 28.
- Dorrance, David W., San Jose, Calif. Artificial hand. 1,768,036; June 24.
- Dorset, Marion, Washington, D. C. Vaccine for hog cholera and manufacturing the same. 1,784,928; Dec. 16.
- Dorsey, Albert, Martins Ferry, Ohio. Picture holder. 1,753,555; Apr. 8.
- Dorsey, Arthur. (See Shapiro, Hyman, assignor.)
- Dorsey, Arthur. (See Shapiro, Sam A., assignor.)
- Dorsey, Arthur, Brooklyn, N. Y. Clock. 1,751,542; Mar. 25.
- Dorsey, Farnum F. (See Tappan, D., and Dorsey.)
- Dorsey, Farnum F., South Orange, N. J., and C. W. Crumrine, assignors, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. Power-transmission mechanism. Re17,858; Nov. 11.
- Dorsey, Farnum F., assignor, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. Electric horn. 1,750,348; Mar. 11.
- Dorsey, Farnum F., assignor, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. Electromagnetic horn. 1,759,443; May 20.
- Dorsey, Georgie, San Francisco, Calif. Telephone mouthpiece. 1,778,627; Oct. 14.
- Dorsey, Herbert G. (See Fay, R. D., and Dorsey.)
- Dorsey, Herbert G., Gloucester, Mass., and A. D. Trenor, New York, N. Y., assignors to J. H. Hammond, Jr., Gloucester, Mass. Vacuum system of control for druggible bodies. 1,772,343; Aug. 5.
- Dorsey, Parmer, Wichita, Kansas, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Automatic acetylene generator. 1,777,297; Oct. 7.
- Dorsey, Parmer, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Feeding apparatus for chemicals. 1,777,298; Oct. 7.
- Dorsey, Parmer, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Feeding apparatus for chemicals. 1,777,299; Oct. 7.
- Dorsey, Vernon M., Chevy Chase, Md., assignor to The American Bicherox Company, Wilmington, Del. Sheet-glass-handling mechanism. 1,782,716; Nov. 25.
- Dorst, Paul W. (See Reed, R. F., and Dorst.)
- Dorton, Henry C., Fonda, Iowa. Humane animal trap. 1,745,609; Feb. 4.
- Dorward, Joseph E., New York, N. Y. Inflatable sport ball. 1,756,056; Apr. 29.
- Dosch, Peter, Stratford, Conn., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Oiling apparatus. 1,780,465; Nov. 4.
- Doscher, George, Mount Vernon, N. Y. Paper container. Re17,554; Jan. 7.
- Doser, Arnold. (See Thaus, A., Doser, and Mauthe.)
- Doser, Arnold, Cologne-Mulheim, G. Mauthe, Cologne-Uolweid, and A. Thaus, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Treatment of animal fibers and products thereof. 1,762,011; June 3.
- Doss, H. G., et al. (See Chenault, George N., assignor.)
- Doss, Jesse L., Evanston, assignor of forty-eight per cent to G. A. De Freece, Midwest, Wyo. Tire chain. 1,783,872; Dec. 2.
- Dos Santos, Roal, Honolulu, Hawaii. Merry-go-round. 1,783,586; Dec. 2.

- Dossey, Arthur M. (See Wallace, W. A., and Dossey.)
Dostal, Joseph L., assignor to E. Holley, Detroit, Mich. Cast-iron mold. 1,751,727; Mar. 25.
Dostie, Albert W., Auburn, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-supplying mechanism. 1,768,831; July 1.
Dotson, Craig L., Washington, Pa. Leer feeder. 1,742,239; Jan. 7.
Dotson, Herbert F., San Antonio, Tex. Bottled-beverage-vending machine. 1,752,479; Apr. 1.
Dotson, Ora, assignor to C. G. Conn, Ltd., Elkhart, Ind. Horn. 1,763,038; June 10.
Dotter, Arthur L., Pittsburgh, Pa., assignor to Mine Safety Appliances Company. Process and apparatus for purifying air. 1,767,057; June 24.
Dotterweich, Andrew J., assignor to Automatic Water Softener Company, Pittsburgh, Pa. Water-softening apparatus. 1,773,523; Aug. 19.
Doty, Alfred S., Ashland, Ky., and L. T. Richey, Huntington, W. Va. Outlet terminal for fluid-supply pipes. 1,753,853; Apr. 8.
Doty, Charles E., Mount Vernon, and O. G. Desch, New York, N. Y. Timber-handling device. 1,756,057; Apr. 29.
Doty, Jephtha W., Detroit, Mich. Toilet-paper roll. 1,761,111; June 3.
Doty, John H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-building apparatus. 1,769,421; July 1.
Doty, John O., and P. C. Orcutt, Indianapolis, Ind. Masking strip. 1,779,588; Oct. 28.
Doty, William S., Kellogg, Idaho. Ring hook. 1,744,159; Jan. 21.
Doud, Hobart P., and B. A. Logan, Decatur, Ill. Automobile transportation-supporting device. 1,766,289; June 24.
Dougan, Charles E. (See Andrews, C. W., Grilli, Wetherbee, and Dougan.)
Dougan, John R., Canonsburg, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Tin machine. 1,779,358; Oct. 21.
Dougherty, Charles P., Spokane, Wash. Combination control switch. 1,782,530; Nov. 25.
Dougherty, Cornelius F., Sacramento, Calif. Game. 1,770,101; July 8.
Dougherty, George, Morgantown, W. Va. Goblet. Des. 80,512; Feb. 18.
Dougherty, Glenn O., Los Angeles, Calif. Self-cushioning valve. 1,768,582; July 1.
Dougherty, H. D., & Company. (See Dougherty, Laurence R., assignor.)
Dougherty, Jeremiah C., Chicago, Ill. Match safe. 1,743,328; Jan. 14.
Dougherty, Kannie A., Los Angeles, Calif. Support for pillows and the like. 1,743,329; Jan. 14.
Dougherty, Laurence R., Penfield, assignor to H. D. Dougherty & Company, Incorporated, Philadelphia, Pa. Bassinet. 1,760,301; May 27.
Dougherty, Laurence R., Penfield, assignor to H. D. Dougherty & Company, Incorporated, Philadelphia, Pa. Adjusting articulated bedsprings. 1,760,302; May 27.
Dougherty, Laurence R., Penfield, assignor to H. D. Dougherty & Company, Incorporated, Philadelphia, Pa. Attachment for beds. 1,760,303; May 27.
Dougherty, Robert S. A., and N. Greenwell, Bethlehem, Pa. Metal rolling. 1,759,481; May 20.
Dougherty, Robert S. A., assignor, by mesne assignments, to Open Hearth Combustion Company. Open-hearth furnace. 1,769,826; July 1.
Dougherty, Robert S. A., Bethlehem, Pa., assignor to Bethlehem Steel Company. Sheet-piling section. 1,775,850; Sept. 16.
Dougherty, Stephen O., Toronto, Ohio. Washing machine. 1,775,893; Sept. 16.
Doughnut Machine Corporation. (See Bergner, John C., assignor.)
Doughty, George E., New York, assignor to The Cooke & Cobb Company, Brooklyn, N. Y. Expanding file. 1,745,249; Jan. 28.
Doughty, Herman W., assignor to The Nineteen Hundred Washer Company, Inc., Binghamton, N. Y. Wringer. 1,745,338; Jan. 28.
Doughty, James P., jr., Augusta, Ga. Smoker's article. 1,786,902; Dec. 30.
Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Portable dispensing apparatus. 1,778,248; Oct. 14.
Douglas Aircraft Company. (See Douglas, Donald W., assignor.)
Douglas, David H., Cropseyville, N. Y. Magazine pencil. 1,764,156; June 17.
Douglas, Donald W., Santa Monica, assignor, by mesne assignments, to Douglas Aircraft Company, Inc., Los Angeles, Calif. Amphibian plane. 1,784,784; Dec. 9.
Douglas, Fredric E., assignor to Draper Corporation, Hopedale, Mass. Cop skewer for loom shuttles. 1,763,614; June 10.
Douglas, George R., Detroit, Mich. Rail. 1,782,031; Nov. 18.
Douglas, Harry A. (See Nelson, John H., assignor.)
Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,742,850; Jan. 7.
Douglas, Harry A., Bronson, Mich. Circuit maker and breaker. 1,743,330; Jan. 14.
Douglas, Harry A., Bronson, Mich. Switching mechanism. 1,746,887; Feb. 11.
Douglas, Harry A., Bronson, Mich. Electric switching mechanism. 1,748,013; Feb. 18.
Douglas, Harry A., Bronson, Mich. Combined lighting and signaling switch mechanism for automotive vehicles. 1,748,014; Feb. 18.
Douglas, Harry A., Bronson, Mich. Combined lighting and signaling switch mechanism for automobile vehicles. 1,748,015; Feb. 18.
Douglas, Harry A., Bronson, Mich. Electric switch. 1,761,434; June 3.
Douglas, Harry A., Bronson, Mich. Electric switching mechanism. 1,761,435; June 3.
Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,761,436; June 3.
Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,761,437; June 3.
Douglas, Harry A., Bronson, Mich. Electric lamp. 1,761,438; June 3.
Douglas, Harry A., Bronson, Mich. Igniter. 1,762,162; June 10.
Douglas, Harry A., Bronson, Mich. Igniter. 1,775,023; Sept. 2.
Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,775,024; Sept. 2.
Douglas, Harry A., Bronson, Mich. Electric switch. 1,775,990; Sept. 16.
Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,778,186; Oct. 14.
Douglas, Homer C., Liberal, Kans. Vessel. 1,757,174; May 6.
Douglas, John, Company, The. (See Hohmeister, Arthur E., assignor.)
Douglas, John F. H., and E. W. Kane, Milwaukee, Wis. Synchronous dynamo-electric machine. 1,782,200; Nov. 18.
Douglas, John F. H., assignor of one-half to E. W. Kane, Milwaukee, Wis. Dynamo-electric machine. 1,785,515; Dec. 16.
Douglas, Richard, Brooklyn, N. Y. Polisher. 1,777,915; Oct. 7.
Douglas Roy, Mexia, assignor of one-fourth to Associated Factories Corporation, Dallas, Tex. Working-barrel honing device. 1,779,161; Oct. 21.
Douglas, Stuart D. (See Young, C. O., and Douglas.)
Douglass, Alfred E., Catasauqua, Pa., assignor, by mesne assignments, to Fuller Lehigh Company. Pulverized-fuel furnace. 1,772,097; Aug. 5.
Douglass, Eldridge P., Marianna, Ark. Portable crane. 1,761,194; June 3.
Douglass, Gibson L., New York, and S. Cooper, Brooklyn, N. Y. Cargo-unloading apparatus. 1,757,453; May 6.
Douglass, Leon F., Menlo Park, Calif. Lighter. Des. 80,479; Feb. 11.
Douglass, Leon F., Menlo Park, Calif. Camera attachment. 1,755,105; Apr. 15.
Douglass, Leon F., Menlo Park, Calif. Amplifying and reproducing system. 1,760,821; May 27.
Douglass, William A. (See Calcott, W. S., and Douglass.)
Douglass, William A. (See Calcott, W. S., Douglass, and Dahlen.)
Douglass, Charles, Lawrence, N. Y. Connector device for cuffs of knickers. 1,784,785; Dec. 9.
Douthitt, Archie, Kansas City, Mo. Explosive engine. 1,776,943; Sept. 30.
Douthitt, Frank W., Ortonville, Minn. Corn-cutting machine. 1,744,954; Jan. 28.
Douthitt, Maurice V., Bigstone City, S. Dak. Preparing and canning corn. 1,742,240; Jan. 7.
Doutt, Owen, Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation. Grinding machine. 1,757,175; May 6.
Doutt, Owen, Chicago, Ill., assignor, by mesne assignments, to General Spring Bumper Corporation. Grinding machine. 1,757,559; May 6.
Doutt, Owen, Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation. Bending machine. 1,765,790; June 24.
Dove, Harry E., Oakland, Calif. Stocking supporter. 1,770,129; July 8.
Dovel, G. P. (See Dovel, James P., assignor.)
Dovel, James P., Birmingham, Ala. Apparatus for heating the air blast for furnaces and the like. 1,751,136; Mar. 18.
Dovel, James P., Birmingham, Ala., assignor to G. P. Dovel. Loading apparatus. 1,773,478; Aug. 19.
Dovel, James P., Birmingham, Ala., assignor to G. P. Dovel. Blast furnace. 1,783,416; Dec. 2.
Dover, George W., assignor to Dovercraft Company, Inc., Providence, R. I. Curtain-rod structure. 1,786,645; Dec. 30.
Dovercraft Company. (See Dover, George W., assignor.)
Dover Manufacturing Co. (See Braun, W. A., and Maurer, assignors.)
Dover Manufacturing Company. (See Johnson-Vea, C. T., and Braun, assignors.)
Dover Manufacturing Company. (See Warner, Maurice L., assignor.)
Dow, Alexander, New York, N. Y., assignor to Dow Patents Holding Corporation. Method and apparatus for power transmission release. 1,760,483; May 27.
Dow, Alexander, New York, N. Y., assignor to Dow Patents Holding Corporation. Power-transmission mechanism. 1,777,403; Oct. 7.
Dow Chemical Company, The. (See Barstow, Edwin O., assignor.)

- Dow Chemical Company, The. (See Barstow, E. O., and Heath, assignors.)
- Dow Chemical Company, The. (See Barstow, E. O., and White, assignors.)
- Dow Chemical Company, The. (See Britton, Edgar C., assignor.)
- Dow Chemical Company, The. (See Britton, E. C., and Reed, assignors.)
- Dow Chemical Company, The. (See Britton, E. C., and Williams, assignors.)
- Dow Chemical Company, The. (See Dow, Herbert H., assignor.)
- Dow Chemical Company, The. (See Dow, H. H., and Barstow, assignors.)
- Dow Chemical Company, The. (See Dow, H. H., and Grebe, assignors.)
- Dow Chemical Company, The. (See Dow, H. H., and Hoy, assignors.)
- Dow Chemical Company, The. (See Gann, John A., assignor.)
- Dow Chemical Company, The. (See Griswold, Thomas, jr., assignor.)
- Dow Chemical Company, The. (See Griswold, T., jr., and Hunter, assignors.)
- Dow Chemical Company, The. (See Hale, William J., assignor.)
- Dow Chemical Company, The. (See Heath, S. B., and Keller, assignors.)
- Dow Chemical Company, The. (See Hoy, John E., assignor.)
- Dow Chemical Company, The. (See Kelley, Horace, assignor.)
- Dow Chemical Company, The. (See Putnam, Mark E., assignor.)
- Dow Chemical Company, The. (See Smith, Albert K., assignor.)
- Dow Chemical Company, The. (See Smith, A. K., and Prutton, assignors.)
- Dow Chemical Company, The. (See Strosacker, Charles J., assignor.)
- Dow Chemical Company, The. (See Strosacker, C. J., and Jones, assignors.)
- Dow Chemical Company, The. (See Williams, William H., assignor.)
- Dow Chemical Company, The. (See Williams, W. H., and Britton, assignors.)
- Dow Gas Engine Starter Corporation. (See Vingheroets, Louis, assignor.)
- Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Automatic furnace control. 1,764,715; June 17.
- Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Stabilizing ships. 1,774,825; Sept. 2.
- Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Method of and apparatus for gas analysis. 1,782,032; Nov. 18.
- Dow, Herbert H., and E. O. Barstow, assignors to The Dow Chemical Company, Midland, Mich. Utilization of dolomite or magnesium limestone for production of metallic magnesium, etc. 1,749,210; Mar. 4.
- Dow, Herbert H., and E. O. Barstow, assignors to The Dow Chemical Company, Midland, Mich. Production of metallic magnesium, etc., from dolomite or magneslan limestone. 1,749,211; Mar. 4.
- Dow, Herbert H., and J. J. Grebe, Midland, Mich. assignors to The Dow Chemical Company, Midland, Mich. Composition of matter. 1,775,716; Sept. 16.
- Dow, Herbert H., and J. E. Hoy, assignors to The Dow Chemical Company, Midland, Mich. Working metal. 1,774,824; Sept. 2.
- Dow Patents Holding Corporation. (See Dow, Alexander, assignor.)
- Dow, Warren R. (See Glidden, A. A., Knowland and Dow.)
- Dowaglac Steel Furnace Company. (See McNaney, Ralph S., assignor.)
- Dowd, Albert A., and H. E. Jackson, Detroit, Mich.; said Dowd assignor to said Jackson. Shock absorber. 1,771,879; July 29.
- Dowd, Andrew D., Hoboken, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Synchronizing rotary devices. 1,762,963; June 10.
- Dowd, Bernard J., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Mask for typewriting machines. Des. 80,881; Apr. 8.
- Dowd, Edmund B., Chicago, Ill. Forming plastic columns. 1,756,541; Apr. 29.
- Dowd, Edmund B., Chicago, Ill. Forming means for composite columns and the like. 1,756,542; Apr. 29.
- Dowd, Wyllis E., jr., assignor to Foster Wheeler Corporation, New York, N. Y. Boiler-furnace preheater. 1,744,452; Jan. 21.
- Dowdy, Hezakiah K., Cordele, Ga. Boll-weevil catcher. 1,755,774; Apr. 22.
- Dowell, Archie G., assignor of one-half to F. A. Sutherland, San Diego, Calif. Carburetor. 1,750,349; Mar. 11.
- Dowler, Harry P., Clearfield, Pa. Fireplace. 1,756,511; Apr. 29.
- Dowling, Francis J., assignor to Francis Keil & Son, Inc., New York, N. Y. Rotary bolt lock. 1,782,776; Nov. 25.
- Dowling, Frederick A. (See Zuber, E. F., and Dowling.)
- Dowling, Jesse T., et al., trustees. (See Mas, George N., assignor.)
- Dowling, Robert W., New York, N. Y. Bathtub. 1,781,325; Nov. 11.
- Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety brake device. 1,774,174; Aug. 26.
- Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,782,566; Nov. 25.
- Downard, James S., Dallas, Tex. Premixed asphalt composition and producing the same. 1,781,105; Nov. 11.
- Downer, Charles O., et al. (See Harger, Martin L., assignor.)
- Downer, David, Cimarron, Kans. Screen patch. 1,749,755; Mar. 11.
- Downes, Frank A. (See Hoover, C. P., and Downes.)
- Downes, Frank A., assignor to The Dorr Company, New York, N. Y. Agitation and settling apparatus. 1,752,789; Apr. 1.
- Downes, Frank A., Larchmont, assignor to The Dorr Company, New York, N. Y. Bar screen. 1,773,576; Aug. 19.
- Downes, Nate W. (See Downes, Ralph W., assignor.)
- Downes, Ralph W., assignor to N. W. Downes, Kansas City, Mo. Handrail for fire escapes. 1,752,589; Apr. 1.
- Downey, Clement L., Cincinnati, Ohio. Coin-counting machine. 1,750,578; Mar. 11.
- Downey, Fred, assignor of one-half to M. H. Marr, Fort Worth, Tex. Pump. 1,779,906; Oct. 28.
- Downey, Patrick V., Denver, Colo. Oil-well heater. 1,776,997; Sept. 30.
- Downey, Thomas F., and J. Donald, Chicago, Ill. Steam-generating furnace. 1,784,184; Dec. 9.
- Downey, Walter L., Richmond, Va. Cushion side bearing. 1,755,869; Apr. 22.
- Downie, Robert R., assignor to Keystone Driller Company, Beaver Falls, Pa. Excavating machine. 1,772,451; Aug. 12.
- Downie, Robert R., assignor to Keystone Driller Company, Beaver Falls, Pa. Excavator scoop. 1,783,831; Dec. 2.
- Downing, Frederick B. (See Bolton, E. K., and Downing.)
- Downing, John B., Orange, assignor to Beaver Machine and Tool Co., Inc., Newark, N. J. Connector. 1,780,140; Oct. 28.
- Downing, Omer L., South Norwood, Ohio. Concrete-hanger insert. 1,769,498; July 1.
- Downing, William F., jr., assignor to Diamond Crystal Salt Company, St. Clair, Mich. Method and apparatus for the manufacture of salt. 1,768,399; June 24.
- Downs, George F., and H. F. Miller, jr., Buffalo, N. Y. Port construction and gas burner for open-hearth furnaces. 1,786,293; Dec. 23.
- Downs, John, Acton Green, assignor to himself and Watts Fincham and Company, Limited, London, England. Portable electric lamp. 1,756,733; Apr. 29.
- Dows, Walter G., Dorchester, Mass. Tube-centering mechanism. 1,746,696; Feb. 11.
- Doxey, Chester E. (See Orr, M. M., and Doxey.)
- Doyle, Charles C., Cleveland, Ohio. Regulating the use of street-parking space. 1,752,071; Mar. 25.
- Doyle, Edgar D., Philadelphia, Pa., assignor to Electrical Testing Laboratories, Inc., New York, N. Y. Circuit arrangement for the measurement of the light emitted by and the watts or current consumed by incandescent lamps. 1,762,769; June 10.
- Doyle, Francis A., and G. A. Lyons, Springfield, Mass. Airplane. 1,785,114; Dec. 16.
- Doyle, James E., Cleveland, Ohio. Appliance for operating upon sheets. 1,786,153; Dec. 23.
- Doyle, James S. (See Hedley, F., and Doyle.)
- Doyle, James T., Dublin, Ireland. Cinematographic projecting apparatus. 1,773,524; Aug. 19.
- Doyle, John, Coney Island, N. Y. Fish spear. 1,776,680; Sept. 23.
- Doyle, Thomas F., Naco, Ariz., assignor to Fairbank-Doyle Company. Railroad cattle guard. 1,776,495; Sept. 23.
- Doyle, William F. (See Graham, W. A., and Doyle.)
- Doyle, William J., assignor to The Williamson Heater Company, Cincinnati, Ohio. Smoke-consuming device. 1,765,828; June 24.
- Dozier, Daniel C., Norfolk, assignor to Edgerton-Dozier Corporation, Suffolk, Va. Ventilating means for motor vehicles. 1,751,910; Mar. 25.
- Drabble, Frederick, Matlock, England. Supporting and stretching tubular fabrics during treatment. 1,775,894; Sept. 16.
- Drabek, Thomas, Winner, S. Dak. Tractor hitch. 1,762,919; June 10.
- Drader, Charles, et al. (See Stephens, R. W., and Wilcox, assignors.)
- Drader, Joseph C., Detroit, Mich. Rack. 1,753,778; Apr. 8.
- Draeske, Alfred W. (See Bullock, E. W., Schauseil, Draeske, Galloway and Hill.)
- Dräger, Alexander B., deceased; E. Dräger, née Stange, executrix, assignor to H. O. Dräger, Lubeck, Germany. Eyepiece for gas protective masks. 1,754,419; Apr. 15.
- Dräger, Elfride, née Stange, executrix. (See Dräger, Alexander B.)
- Dräger, Heinrich O. (See Dräger, Alexander B., assignor.)
- Dräger, Otto H. (See Stelzner, Hermann, assignor.)
- Draghi, Robert. (See Picarelli, J., and Draghi.)
- Dragon, Joseph L., Montreal, Quebec, Canada. Grate construction. 1,778,664; Oct. 14.

- Drahonovsky, John B., assignor of one-twentieth to M. Ferko, one-twentieth to M. Puncer, one-twentieth to F. Klanchik, one-tenth to H. W. and H. Buer, three one-hundredths to J. and C. Schweitzer, seven one-hundredths to M. A. Goldberg, two one-hundredths to F. Kollenz, three one-hundredths to A. Lep, two one-hundredths to W. Wagner, forty one-hundredths to A. A. Strelzin, one one-hundredth to J. Streichen, and one one-hundredth to P. Kinzfohl, Milwaukee, Wis. Carburetor. 1,753,882; Apr. 8.
- Draisbach, Fritz, assignor to the firm Joh. A. Benckiser, Chemische Fabrik, Ludwigshafen-on-the-Rhine, Germany. Separating alkali-earth metal phosphates from primary alkali phosphate solutions. 1,744,371; Jan. 21.
- Draisbach, Fritz, assignor to the firm Joh. A. Benckiser, Chemische Fabrik, Ludwigshafen-on-the-Rhine, Germany. Stabilizing bleaching liquors. 1,754,163; Apr. 8.
- Drake, Alden M. (See Judge, F., and Drake.)
- Drake, Alden M., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Work holder for grinding machines. 1,760,587; May 27.
- Drake, Charles R., assignor to The Line-A-Time Mfg. Co. Inc., Rochester, N. Y. Copyholder for billing machines. 1,760,403; May 27.
- Drake, Frederick H. (See Browning, G. H., and Drake.)
- Drake, Frederick H., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Electrical amplifier circuit. 1,764,552; June 17.
- Drake, Herbert W. (See Light, G. G., Drake, Rudd, and Blanton.)
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Method and apparatus for producing plate glass. 1,744,372; Jan. 21.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Process and apparatus for producing sheet or plate glass. 1,748,115; Feb. 25.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Method and apparatus for annealing sheet glass. 1,748,116; Feb. 25.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Method and apparatus for drawing sheet glass. 1,753,743; Apr. 8.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Width-maintaining wheel. 1,759,225; May 20.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Operating sheet-glass coolers. 1,759,226; May 20.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Operating sheet-glass coolers. 1,759,227; May 20.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Process and apparatus for producing molten glass. 1,759,228; May 20.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Method and apparatus for drawing sheet glass. 1,759,229; May 20.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Apparatus for forming sheet glass. 1,761,195; June 3.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass-surfacing apparatus. 1,761,196; June 3.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Glass-tank-furnace construction. 1,761,197; June 3.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Drawing sheet glass. 1,761,198; June 3.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass-handling apparatus. 1,761,199; June 3.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,761,200; June 3.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 1,762,508; June 10.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Cooled roll for producing sheet glass. 1,763,689; June 17.
- Drake, John L., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Glass-surfacing apparatus. 1,767,123; June 24.
- Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for forming sheet glass. 1,772,072; Aug. 5.
- Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Heating means for sheet-glass apparatus. 1,781,917; Nov. 18.
- Drake Non-Clinkering Furnace Block Company. (See Baumgartner, Henry H., assignor.)
- Drake, Warren C., et al. (See Coutant, Jay G., assignor.)
- Drane, Brent S., Charlotte, N. C. Auxiliary seat. 1,756,182; Apr. 29.
- Drane, Charles H., jr., Delray, Fla. Apparatus for utilizing solar heat. 1,765,136; June 17.
- Drangeld, Ragnvald, assignor to General Motors Corporation, Detroit, Mich. Antisqueak strip. 1,760,838; May 27.
- Dranter, John F., and M. Panek, Chicago, Ill. Bolt lock. 1,767,438; June 24.
- Draper, Charles T., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Faucet construction. 1,744,216; Jan. 21.
- Draper, Charles T., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Making sheet-metal barrels or drums. 1,748,036; Feb. 18.
- Draper, Charles T., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Sheet-metal grease drum and using same. 1,765,062; June 17.
- Draper, Charles T., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Drying cylindrical articles. 1,773,525; Aug. 19.
- Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Let-off mechanism for looms. 1,754,196; Apr. 8.
- Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Weft carrier for weft-replenishing looms. 1,754,197; Apr. 8.
- Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,757,941; May 6.
- Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Let-off mechanism for looms. 1,758,738; May 13.
- Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,761,621; June 3.
- Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,765,327; June 17.
- Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Shuttle box for looms. 1,775,035; Sept. 2.
- Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Jaw temple for looms. 1,776,230; Sept. 16.
- Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Let-off mechanism for looms. 1,783,779; Dec. 2.
- Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,785,223; Dec. 16.
- Draper, Clare H., and E. H. Trevett, assignors to Draper Corporation, Hopedale, Mass. Warper. 1,780,892; Nov. 4.
- Draper Corporation. (See Bass, Earl E., assignor.)
- Draper Corporation. (See Benson, Arthur E., assignor.)
- Draper Corporation. (See Bridge, Ira D., assignor.)
- Draper Corporation. (See Brooks, John C., assignor.)
- Draper Corporation. (See Brown, Carl D., assignor.)
- Draper Corporation. (See Burdett, Horace H., assignor.)
- Draper Corporation. (See Davis, Harry A., assignor.)
- Draper Corporation. (See Draper, Clare H., assignor.)
- Draper Corporation. (See Draper, C. H., and Trevett, assignors.)
- Draper Corporation. (See Douglas, Fredric E., assignor.)
- Draper Corporation. (See Harris, Frank, assignor.)
- Draper Corporation. (See Jackson, Joseph B., assignor.)
- Draper Corporation. (See Jones, David C., assignor.)
- Draper Corporation. (See Kearsley, Richard A., assignor.)
- Draper Corporation. (See Leonard, Harry A., assignor.)
- Draper Corporation. (See Lindsjo, Verner, assignor.)
- Draper Corporation. (See MacArthur, Elvin D., assignor.)
- Draper Corporation. (See Marsh, Harold, assignor.)
- Draper Corporation. (See McCarvey, Julius E., assignor.)
- Draper Corporation. (See Merrill, Charles F., assignor.)
- Draper Corporation. (See O'Brien, Patrick F., assignor.)
- Draper Corporation. (See Reid, Thomas E., assignor.)
- Draper Corporation. (See Schmid, Ferdinand A. F., assignor.)
- Draper Corporation. (See Seville, William, assignor.)
- Draper Corporation. (See Simpson, Jesse W., assignor.)
- Draper Corporation. (See Snow, Isaac, assignor.)
- Draper Corporation. (See Tebo, William A., assignor.)
- Draper Corporation. (See Thatcher, Harry W., assignor.)
- Draper Corporation. (See White, H. E., and Depfer, assignors.)
- Draper, John H., Canton, Mass. Washing machine. 1,784,663; Dec. 9.
- Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)
- Draper, Walter, Chorley, England. Drawing or drafting roller for textile spinning machinery. 1,771,486; July 29.
- Drath, Raimund, Grunau, Berlin, Germany. Fluid-actuated valve. 1,749,695; Mar. 4.
- Draughon, Albert H., jr., Fort Myers, Fla. Fastening roll roofing to roofs. 1,755,538; Apr. 22.
- Dravo Contracting Company, The. (See Edwards, V. B., and Wolfe, assignors.)
- Dravo Contracting Company, The. (See Kersting, Bernard H., assignor.)
- Dreaper, William P., Hampstead Heath, England. Manufacture of artificial silk and the like. 1,780,346; Nov. 4.
- Drechsel, Albin Söhne. (See Veitel, Volkmar, assignor.)
- Drechsler, Otto, Sossenheim, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J. Press. 1,748,063; Feb. 25.
- Dredge, William, Manchester, England. Apparatus for the manufacture of biscuits or the like. 1,760,047; May 27.
- Dreese, Edwin E. (See Chapman, E., and Dreese.)
- Dreese, Erwin E. (See Lincoln, J. F., and Dreese.)
- Dreffeln, Henry A., Chicago, Ill. Heating furnace. 1,757,707; May 6.
- Dreffeln, Henry A., Chicago, Ill. Oven. 1,779,622; Oct. 28.

- Drefflein, Henry A., assignor to Flinn & Drefflein Company, Chicago, Ill. Furnace for and process of heating articles. 1,779,964; Oct. 28.
- Dreger, Oscar, Huntsville, Ala. Sheet-metal roofing strip. 1,747,663; Feb. 18.
- Dreher Bros. & Wider. (See Wider, George J., assignor.)
- Dreher, Otto. (See Meyer, G. J., Shodron, and Dreher.)
- Dreher, Stanley C., Cincinnati, assignor to The Newman Manufacturing Company, Norwood, Ohio. Store front or window construction. 1,776,231; Sept. 16.
- Dreher, Stanley C., Cincinnati, assignor to The Newman Manufacturing Company, Norwood, Ohio. Awning inclosure. 1,776,232; Sept. 16.
- Dreibuss, Harry C., assignor to Scullin Steel Co., St. Louis, Mo. Journal-box construction. 1,749,759; Mar. 11.
- Dreibuss, Harry C., assignor, by mesne assignments, to Scullin Steel Co., St. Louis, Mo. Side frame. 1,765,007; June 17.
- Dreibuss, Harry C., and G. S. Chiles, assignors to Scullen Steel Company, St. Louis, Mo. Cast-metal truck bolster. 1,749,972; Mar. 11.
- Dreibuss, Harry C., and G. S. Chiles, assignors to Scullen Steel Company, St. Louis, Mo. Truck bolster. 1,757,765; May 6.
- Dreibuss, Harry C., and G. S. Chiles, assignors to Scullen Steel Company, St. Louis, Mo. Truck bolster. 1,781,106; Nov. 11.
- Dreis & Krump Manufacturing Co. (See Kutscheid, John J., assignor.)
- Dreisbach, Charles A., New Haven, Conn. Sand-blast device. 1,774,703; Sept. 2.
- Dreisbach, Charles A., New Haven, Conn., assignor to Standard Radial Blast Corporation, New York, N. Y. Scouring chamber for metal-securing machines. 1,753,883; Apr. 8.
- Dreisbach, Charles A., New Haven, Conn., assignor to Standard Radial Blast Corporation, New York, N. Y. Adjustable guide device for multiple strands. 1,756,636; Apr. 29.
- Dreisbach, Charles A., assignor to The Standard Equipment Co. Inc., New Haven, Conn. Pulverizer. 1,776,654; Sept. 23.
- Dreiske, William D., Oak Park, Ill. Automatic regulator. 1,767,655; June 24.
- Dremel, Albert J., Racine, Wis. Clippers. 1,764,614; June 17.
- Drengwitz, Otto A., Jeannette, Pa. Game. 1,774,360; Aug. 26.
- Drenkard, Adam, jr., West New York, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Pneumatic-dispatch carrier. 1,745,786; Feb. 4.
- Drennan, Edward W., Bakersfield, Calif. Wire cutter. 1,748,869; Feb. 25.
- Drennan, Harold W., Conover, Ohio. Automatic clutch release. 1,765,908; June 24.
- Drenning, Percy R. (See Symington, T. H., and Drenning.)
- Drenning, Percy R., assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Side frame and journal-box mounting. 1,747,971; Feb. 18.
- Drescher, Hugh A. E. (See Thomas, J., and Drescher.)
- Dresser, S., & Son, Inc. (See Plotkin, Oscar H., assignor.)
- Dressel Railway Lamp & Signal Company. (See Eichner, Laurits C., assignor.)
- Dresser, S. R., Manufacturing Company. (See Clark, James, assignor.)
- Dressler, Philip D.H., assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio. Kiln-heating means. 1,744,453; Jan. 21.
- Dretzin, Samuel C., et al. (See Anderson, Eugene, assignor.)
- Dreusike, William, Oakland, assignor to United States Metal Products Co., San Francisco, Calif. Swinging-window construction. 1,750,664; Mar. 18.
- Drevitson, Carl B., Somerville, Mass. Engine piston. 1,760,122; May 27.
- Drew, Clayton L., San Francisco, Calif. Automobile reverse-control mechanism. 1,766,114; June 24.
- Drew, George W., Oakland, Calif. Tie plate. 1,746,526; Feb. 11.
- Drew, Harold, Lansing, assignor to General Motors Corporation, Detroit, Mich. Combined differential and reversing gear. 1,760,839; May 27.
- Drew, Harold, Lansing, assignor to General Motors Corporation, Detroit, Mich. Overgear transmission. 1,761,907; June 3.
- Drew, Herbert H., assignor to Watertown Table-Slide Company, Watertown, Wis. Extension table. 1,756,586; Apr. 29.
- Drew, Howard S., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for coating cores. 1,748,947; Mar. 4.
- Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive tape. 1,760,820; May 27.
- Drewell, Heinrich, Berlin-Charlottenburg, Germany. Automatically copying pictures and making printing plates for printing pictures, etc. 1,782,717; Nov. 25.
- Drewer, James H., E. F. Bertholf, C. W. Dalbey, and J. W. Ballard, Des Moines, Iowa. Garbage incinerator. 1,778,249; Oct. 14.
- Drewsen, Viggo, Larchmont, assignor to West Virginia Pulp and Paper Company, New York, N. Y. Recovery of rosin soap material from spent wood liquors. 1,778,523; Oct. 14.
- Dreyfus, Camille. (See Miles, G. W., and Dreyfus.)
- Dreyfus, Camille. (See Rivat, G., Cadgène, and Dreyfus.)
- Dreyfus, Camille, New York, N. Y. Printing and embossing materials containing thermoplastic derivatives of cellulose. 1,744,829; Jan. 28.
- Dreyfus, Camille, New York, N. Y. Product from organic derivatives of cellulose. 1,754,164; Apr. 8.
- Dreyfus, Camille, New York, N. Y. Yarn, fabric, plastic, etc. 1,773,966; Aug. 26.
- Dreyfus, Camille, New York, N. Y. Cutting fabric and product thereof. 1,773,967; Aug. 26.
- Dreyfus, Camille, New York, N. Y. Cutting fabric and product thereof. 1,773,968; Aug. 26.
- Dreyfus, Camille, New York, N. Y. Printing fabrics. 1,783,606; Dec. 2.
- Dreyfus, Camille, London, England, assignor to Celanese Corporation of America. Liquid coating composition. 1,742,587; Jan. 7.
- Dreyfus, Camille, and W. R. Blume, New York, N. Y., assignors to Celanese Corporation of America. Ornamental fabric and making the same. 1,780,645; Nov. 4.
- Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Delustering fabric and product thereof. 1,756,941; May 6.
- Dreyfus, Camille, New York, N. Y., and G. Schneider, Cumberland, Md., assignors to Celanese Corporation of America. Treating cellulose material. 1,783,184; Dec. 2.
- Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Process of and apparatus for making artificial filaments. 1,773,969; Aug. 26.
- Dreyfus, Henry, London, England. Manufacture of acetic acid. 1,743,659; Jan. 14.
- Dreyfus, Henry, London, England. Apparatus for the production of staple fibers. 1,764,202; June 17.
- Dreyfus, Henry, London, England. Production of a keten. 1,773,970; Aug. 26.
- Dreyfus, Henry, London, England. Mordanting and dyeing of materials made with or containing cellulose derivatives. 1,779,464; Oct. 28.
- Dreyfus, Henry, London, England. Coloration of materials made of or containing cellulose derivatives. 1,783,607; Dec. 2.
- Dreyfus, Henry, London, England. Making acetic acid. 1,784,583; Dec. 9.
- Dreyfuss, Henry, New York, N. Y. Method and apparatus for draping curtains. 1,764,396; June 17.
- Driemeyer, George F. and E. C. Jackson, St. Louis, Mo., assignors, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,780,466; Nov. 4.
- Driggs, Louis L., jr. (See Faber, H. B., and Driggs.)
- Driggs, Louis L., jr., New Rochelle, N. Y., and H. B. Faber, New York, N. Y. Firearm. 1,747,057; Feb. 11.
- Driggs, Louis L., jr., New Rochelle, and H. B. Faber, New York, N. Y. Fixed ammunition. 1,754,986; Apr. 15.
- Driggs, Louis L., jr., New Rochelle, and H. B. Faber, New York, N. Y. Photographic-flash-light cartridge. 1,754,987; Apr. 15.
- Driggs, Louis L., jr., New Rochelle, and H. B. Faber, New York, N. Y. Projectile for signaling or illuminating purposes. 1,776,755; Sept. 23.
- Driggs, Louis L., jr., Tippecanoe City, Ohio, and H. B. Faber, New York, N. Y. Projectile for signaling or illuminating purposes. 1,782,291; Nov. 18.
- Driggs, Louis L., jr., Tippecanoe City, Ohio, and H. B. Faber, New York, N. Y. Flare. 1,782,292; Nov. 18.
- Drinkolette Sales Corporation. (See Calleson, Edgar A., assignor.)
- Drinkwater, Anson, New Hartford, N. Y. Tire-chain hook. 1,755,870; Apr. 22.
- Driscoll, Fred, Nisland, S. Dak. Beet-harvesting machine. 1,768,195; June 24.
- Driscoll, Joseph J. (See Lymburner, Armand, assignor.)
- Driskell, George P., San Diego, Calif. Adz-finish ornamental woodworking machine. 1,761,439; June 3.
- Drissner, Alfred E. (See Petsche, G. B., and Drissner.)
- Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Screw clamp. 1,742,201; Jan. 7.
- Dri-Steam Valve Corporation. (See Pascale, Pasquale, assignor.)
- Driver, Wilbur B., East Orange, N. J. Radiotube. 1,786,154; Dec. 23.
- Dry, John A. (See Pfaff, A. J., Driy, and Slinning.)
- Drnka, Frank E., et al. (See Folkman, Morris, assignor.)
- Droege, Fred J., Covington, Ky. Furnace. 1,768,583; July 1.
- Drogo, Aurélien, Paris, France. Carburetor for internal-combustion engines. 1,779,803; Oct. 28.
- Drohen, James L., Dunkirk, N. Y. Adjustable awning. 1,767,969; June 24.
- Droitcour, Howard A., Edgewood, R. I. Apparatus for automatically training guns, etc., on moving objects. 1,747,664; Feb. 18.
- Dronberger, Effie L., Three Sands, Okla. Combined awning and shade. 1,760,899; June 3.
- Dronfield, James, Oldham, England. Differential motion for traversing car-grinding rollers. 1,785,731; Dec. 23.
- Drost, Joseph, Detroit, Mich. Combination water and ice boat. 1,761,440; June 3.
- Drotning, Henry O., New York, N. Y. Toy. 1,752,978; Apr. 1.

- Droutman, Abraham, New York, N. Y. Bag. 1,771,168; July 22.
- Droutman, Abraham, Brooklyn, assignor of one-half to J. N. Lowe, New York, N. Y. Holder for keys or the like. 1,762,770; June 10.
- Droutz, Harry B., Greensburg, Pa. Adjustable vise for workbenches. 1,777,789; Oct. 7.
- Drowns, Irvin, assignor to The Timken Roller Bearing Company, Canton, Ohio. Tool holder. 1,751,078; Mar. 18.
- Drubba, Otto K. L., Hamburg, Germany. Air moistener and cleaner. 1,757,856; May 6.
- Drucker, Samuel B., Brooklyn, N. Y. Emulsifying apparatus. 1,772,073; Aug. 5.
- Druhe, George W., Piedmont, Calif. Can puncher. 1,763,391; June 10.
- Druff, Arthur S., Atlanta, Ga. Novelty device. 1,778,890; Oct. 21.
- Drum, Phillip J., Detroit, Mich. Radiator cap. 1,773,350; Aug. 19.
- Drumm, Charles F., jr., Jackson Heights, assignor to International Motor Company, New York, N. Y. Driving mechanism. 1,771,487; July 29.
- Drumm, Charles F., jr., assignor to International Motor Company, New York, N. Y. Helper-spring construction. 1,774,198; Aug. 26.
- Drumm, Elmer E., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis. Vessel clamp. 1,751,079; Mar. 18.
- Drumm, Herbert C., and J. M. Callahan, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Metal building. 1,781,498; Nov. 11.
- Drummond, Walter J., assignor of one-half to Ashington Coal Company Limited, Newcastle-upon-Tyne, England. Apparatus for pulverizing coal and like substances. 1,781,572; Nov. 11.
- Drury, Walter C., Fulton, Ill. Cluster enrobing machine. 1,786,108; Dec. 23.
- Drury, William W., London, England, assignor to Radio Corporation of America. Variable electric condenser. 1,759,979; May 27.
- Dryden, Harry R., Pittsburgh, Pa. Safety holding device for flash lights. 1,783,874; Dec. 2.
- Dryden Rubber Company. (See Burchfield, William H., assignor.)
- Dryden, William W., and W. F. Stimpson, Louisville, Ky.; said Dryden assignor to said Stimpson. Coffee mill. 1,769,776; July 1.
- Dryice Equipment Corporation. (See Jones, C. L., and Small, assignors.)
- Dryice Equipment Corporation. (See Martin, James W., jr., assignor.)
- Drying Systems, Inc. (See Blumel, Gustave, assignor.)
- Drysdale, Harold G., Brooklyn, N. Y. Automatic egg boiler. 1,778,997; Oct. 21.
- Drysdale and Pease. (See Bottrill, David H., assignor.)
- Dry Zero Corporation. (See Lindsay, Harvey B., assignor.)
- Dual-Brake Corporation, The. (See Carroll, Eugene G., assignor.)
- Dual Motors Ltd. (See Brenchley, Richard, assignor.)
- Dual Motors Ltd. (See Knecht, Emil, assignor.)
- Dual Speedometer Company, The. (See Martinet, Eugene F., assignor.)
- Duant, William W. (See Wolfarth, F. J., and Duant.)
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating oil. 1,756,018; Apr. 29.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Producing lower boiling point hydrocarbons. 1,756,019; Apr. 29.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating petroleum oil. 1,761,622; June 3.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon-oil conversion. 1,779,465; Oct. 28.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for producing lower-boiling-point hydrocarbons. 1,783,185; Dec. 2.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,783,228; Dec. 2.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating oils. 1,783,229; Dec. 2.
- Dubbs, Carbon P., Wilmette, and J. C. Morrell; said Dubbs assignor to Universal Oil Products Company, Chicago, Ill. Converting hydrocarbon oils. 1,744,109; Jan. 21.
- Dubervill, Wellington, Desmet, Idaho. Return block. 1,768,894; July 1.
- Dubilier Condenser Corporation. (See Coursey, Phillip R., assignor.)
- Dubilier Condenser Corporation. (See Cunningham, Richard H., assignor.)
- Dubilier Condenser Corporation. (See Dubilier, William, assignor.)
- Dubilier Condenser Corporation. (See Edenburg, Ludwig, assignor.)
- Dubilier Condenser Corporation. (See Grier, John A., assignor.)
- Dubilier, Condenser Corporation. (See Helny, Anatole C., assignor.)
- Dubilier Condenser Corporation. (See Nyman, Alexander, assignor.)
- Dubilier Condenser Corporation. (See Van Deventer, Harry R., assignor.)
- Dubilier Condenser Corporation. (See Vawter, Charles E., assignor.)
- Dubilier Condenser Corporation. (See Weiss, Arthur J., assignor.)
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,742,759; Jan. 7.
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Grid leak and condenser. 1,744,301; Jan. 21.
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,754,268; Apr. 15.
- Dubilier, William, New Rochelle, assignor to Radio Patents Corporation, New York, N. Y. Loud-speaker. 1,755,636; Apr. 22.
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,757,657; May 6.
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electric sadiron. 1,757,658; May 6.
- Dubilier, William, New Rochelle, N. Y., assignor to Dubilier Condenser Corporation. Electrical structure. 1,759,230; May 20.
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,768,441; June 24.
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,768,442; June 24.
- Dubilier, William, New Rochelle, assignor to Radio Patents Corporation, New York, N. Y. Lamp socket. 1,779,804; Oct. 28.
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Process and apparatus for making electric condensers. 1,785,479; Dec. 16.
- Dubilier, William, Bronxville, assignor to Dubilier Condenser Corporation, New York, N. Y. High-potential condenser. 1,744,454; Jan. 21.
- Dubilier, William, assignor to Dubilier Condenser Corporation, New York, N. Y. Variable condenser. 1,750,393; Mar. 11.
- Dubilier, William, assignor to Dubilier Condenser Corporation, New York, N. Y. Condenser kit. 1,768,440; June 24.
- Dubilier, William, New York, N. Y., assignor to Dubilier Condenser Corporation. Variable condenser. 1,756,512; Apr. 29.
- Dubilier, William, New York, N. Y., assignor to Dubilier Condenser Corporation. Variable condenser. 1,763,554; June 10.
- Dubilier, William, New York, N. Y., assignor to Dubilier Condenser Corporation. Condenser. 1,768,439; June 24.
- Dubina, John, Cicero, Ill. Flying machine. 1,746,343; Feb. 11.
- Dublin, Edward B. (See Girardi, Frank, assignor.)
- Dubois, Charles, assignor to Société Industrielle de Matériel d'Entreprise et de Construction, Paris, France. Motor-driven shears. 1,780,817; Nov. 4.
- Du Bois-Reymond, Alard, Plon, near Kiel, and W. Rudolph, assignors to firm Signal Gesellschaft m. b. H., Kiel, Germany. Subaqueous sound-producing device. 1,753,368; Apr. 8.
- Du Bois, Virall L., assignor to Du-Ra Valve Manufacturing Company, Tulsa, Okla. Valve. 1,754,198; Apr. 8.
- Du Bose, Horace M., jr., et al. (See Glenn, J. H., jr., and Bennett, assignors.)
- Du Brul, Stephen, Jackson, Ohio. Changing plastic material into molds. 1,751,624; Mar. 25.
- Dubsky, Arthur, Vienna, Austria. Pivotal wind screen for pyrophore cigar lighters. 1,755,951; Apr. 22.
- Duby, John D., and G. W. Keilholz, Detroit, Mich.; said Duby assignor to said Keilholz. Trolley harp. 1,745,610; Feb. 4.
- Ducart, Guillaume, Paris, France. Gas-operated air-heating device. 1,751,399; Mar. 18.
- Ducart, Guillaume, Paris, France. Machine for turning down and folding the ends of box covers. 1,764,247; June 17.
- Ducart, Guillaume, Paris, France. Gas heater for curling irons. 1,785,677; Dec. 16.
- Ducas, Charles, New York, N. Y. Cigarette extinguishing and crushing device. 1,750,164; Mar. 11.
- Duce, Bert J., and S. J. Orent, Buena Park, Calif. Mop holder. 1,762,920; June 10.
- Duchard, Henri M., Paris, France. Publicity apparatus. 1,765,215; June 17.
- Duckham, Arthur M., London, England. Tunnel kiln. 1,780,119; Oct. 28.
- Duckham, Arthur M., London, England. Method of and apparatus for repairing heated structures such as furnaces, retorts, or the like. 1,780,120; Oct. 28.
- Duckham, Arthur McD., assignor to Woodall-Duckham (1920) Limited, London, England. Tunnel kiln. 1,758,785; May 13.
- Duclos, Hiram J., New Rochelle, N. Y. Book end. Des. 81,183; May 20.

- Ducloux, Albert, Levallois-Perret, France. Process and apparatus for improving explosive mixtures for internal-combustion engines and other purposes. 1,777,554; Oct. 7.
- Duda, Oswald, assignor to Reed Roller Bit Company, Houston, Tex. Core bit. 1,779,589; Oct. 28.
- Duda, Oswald, assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 1,786,484; Dec. 30.
- Duden, Emil G., Oakmont, Pa., assignor to Wm. B. Scaife & Sons Co. Water-treating apparatus. 1,747,470; Feb. 18.
- Duden, Emil G., Oakmont, Pa., assignor to Wm. B. Scaife & Sons Co. Fluid-treating apparatus. 1,784,892; Dec. 16.
- Duden, Emil G., Oakmont, Pa., assignor to Wm. B. Scaife & Sons Company. Water-treating apparatus. 1,784,893; Dec. 16.
- Duden, Johannes W. A. (See Ausloos, K. J. E. A., and Duden.)
- Dudgeon, Richard, Inc. (See Mathers, William H., assignor.)
- Dudleston, William G., Chicago Heights, Ill., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and apparatus for saturating sheet material by calendars. 1,762,320; June 10.
- Dudley, Colon J., Hamburg, N. Y., assignor to The Straight-Side Basket Corporation, Benton Harbor, Mich. Basket machine. 1,751,728; Mar. 25.
- Dudley, Colon J., Hamburg, N. Y., assignor to J. S. Rice, Biglerville, Pa. Basket-lining device. 1,758,827; May 13.
- Dudley, Edward F., Oak Park, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Inking roller. 1,764,157; June 17.
- Dudley, Homer W., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative impedance circuits. 1,779,380; Oct. 21.
- Dudley, Homer W., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speech transmission. 1,784,825; Dec. 16.
- Dudley, James G., West Englewood, N. J. Apparatus for improving combustion in fuel burners. 1,747,229; Feb. 18.
- Dudley, Paul K., Fitchburg, Mass. Aerospeed boat. 1,760,484; May 27.
- Dudley, Robert L., San Francisco, Calif. Indicating device for carriers. 1,781,055; Nov. 11.
- Dudman, John. (See Molesworth, C. E., Dudman, and Zokelt.)
- Duellman, Daniel W., Fountain City, Wis. Cultivator attachment. 1,747,058; Feb. 11.
- Duer, Caroline K., New York, N. Y. Cabinet suitcase. 1,782,414; Nov. 25.
- Duer, Harry E. (See Haines, Stacey A., assignor.)
- Duerk, Frederick C., Defiance, Ohio. Ventilating apparatus for automobiles. 1,751,686; Mar. 25.
- Duerler, G. A., Manufacturing Company. (See Gebhardt, William, assignor.)
- Duerner, Lewis W., assignor, by mesne assignments, of one-fifth to The Service Company, Fargo, N. Dak. Cement spreader for laying linoleum. 1,754,547; Apr. 15.
- Duerr, Leonard H., assignor to A. Davies, jr., Cincinnati, Ohio. Tank-valve-control mechanism. 1,764,436; June 17.
- Duesler, George, Glendale, Calif., assignor to International Motor Company, New York, N. Y. Spring suspension for six-wheel vehicles. 1,771,488; July 29.
- Dufaux, Armand, Paris, France. Vehicle seat. 1,747,932; Feb. 18.
- Dufay, Louis, Versailles, France, assignor to H. Wade, London, England. Apparatus for making mosaic screens for color photography. 1,760,048; May 27.
- Du Feau, Maurice J., Milwaukee, Wis. Electrically-controlled receptacle closure. 1,751,801; Mar. 25.
- Duff, Charles L., Columbus, Ohio. Exercising machine. 1,783,376; Dec. 2.
- Duff, James G. (See Rehwold, W. C., and Duff.)
- Duff-Norton Manufacturing Company, The. (See Schwerin, Frank H., assignor.)
- Duff Patents Company. (See Treat, Francis H., assignor.)
- Duff, Ralph A., Nebraska City, Nebr. Carburetor. 1,753,235; Apr. 8.
- Duff, Robert F., assignor of one-half to Hoyt-Beardsley Mfg. Co., Sloux City, Iowa. Combination shoe and skate. 1,773,303; Aug. 19.
- Duffey, Thomas F., Scranton, Pa. Wire-slack-eliminating device. 1,746,108; Feb. 4.
- Duffield, Frederick L., Kingsway, London, England. Reduction of ores. 1,779,411; Oct. 28.
- Dufford, John R. (See Hough, A., Dufford, and Leonard.)
- Duffus, Clyde D., Sacramento, Calif. Advertising device. 1,777,719; Oct. 7.
- Duffy, Charles H., Miami, Fla. Incasing lock. 1,760,977; June 3.
- Duffy, Edward J. (See Boisseau, E., and Duffy.)
- Duffy, James F., assignor to Duffy Manufacturing Company, Holland, Mich. Automobile floor mat. Des. 82,412; Nov. 4.
- Duffy, James U., Cleveland, and J. H. Richards, Carrollton, Ohio. Bottle cap and cork. 1,747,760; Feb. 18.
- Duffy Manufacturing Company. (See Duffy, James F., assignor.)
- Duffy, Maurice F., Chicago, Ill. Automatic regulator for internal-combustion-engine fuel mixers. 1,759,153; May 20.
- Duffy, Michael J., Brooklyn, N. Y. Self-tightening nut. 1,763,505; June 10.
- Duffy, William J. (See Glidden, A. A., Knowland, and Duffy.)
- Duflo, Thomas, Croghan, N. Y. Magneto contact plug. 1,752,590; Apr. 1.
- Dufour, Léon, Versoix, Switzerland. Internal-combustion motor. 1,746,768; Feb. 11.
- Dugan, Earl T., Providence, R. I., assignor to Abe Manheimer & Company, Inc., St. Louis, Mo. Shoe ornament or similar article. Des. 82,546; Nov. 18.
- Dugan, Hugh G., Hinsdale, Ill. Toy windmill. 1,749,804; Mar. 11.
- Dugan, James N., Terrace Park, Ohio. Gear lock for automobiles. 1,761,073; June 3.
- Dugan, Peter J., New York, N. Y. Solenoid construction. 1,743,196; Jan. 14.
- Dugas, Rodolph G., Beaumont, Tex. Turbine. 1,776,893; Sept. 30.
- Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Jewelry box. 1,778,212; Oct. 14.
- Dugdale, Wilfred R., Needham, assignor to Farrington Manufacturing Company, Boston, Mass. Jewelry case. 1,769,827; July 1.
- Duggan, William H., assignor of four-tenths to B. Clarke, one-tenth to C. W. Clarke, and one-tenth to F. M. Clarke, Chicago, Ill. Container and handle means. 1,769,179; July 1.
- Dugger, George F., assignor of one-half to J. Garland, Allen, Tex. Cultivator. 1,747,059; Feb. 11.
- Dugit, Pierre M. F., Lyon, and A. P. J. M. Foulhouze, St.-Etienne, France. Electrical measuring apparatus. 1,769,422; July 1.
- Dugovic, Ladislav, Chicago, Ill. Window latch. 1,752,242; Mar. 25.
- Du Grenier, Arthur H., Haverhill, Mass., assignor, by mesne assignments, to Consolidated Automatic Merchandising Corporation. Vending machine. 1,778,187; Oct. 14.
- Duhamel, Elisee C., Roubaix, France. Degumming fibers. 1,748,832; Feb. 25.
- Duisberg, Walter, Leverkusen, near Cologne, and W. Hentrich and L. Zeh, Wiesdorf, near Cologne, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs which are anilines of the anthraquinone series and their derivatives. 1,749,242; Mar. 4.
- Duisberg, Walter, Leverkusen, and W. Hentrich and L. Zeh, Wiesdorf near Cologne, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazo dyestuffs produced from aminobenzyl- ω -sulfonic acid and acid substituted aromatic amines. 1,755,871; Apr. 22.
- Duisberg, Walter, Leverkusen, W. Hentrich and L. Zeh, Wiesdorf, near Cologne, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazo dyestuffs produced from amino-benzyl-sulphonic acids. 1,757,419; May 6.
- Duisenberg, Georg, Bremen, Germany. Roller skate. 1,778,850; Oct. 21.
- Dujardin, Henri, Rye, assignor to Perfect E. Z. Chair Corporation, New York, N. Y. Chair. 1,776,418; Sept. 23.
- Dujardin, Henry. (See Renzonnet, Oscar, assignor.)
- Duke, Charles A., New York, N. Y. Knockdown stand. 1,746,147; Feb. 4.
- Duke, Charles A., New York, N. Y. Collapsible seat or bench. 1,752,734; Apr. 1.
- Duke, John C., Washington, D. C. Display device. 1,749,696; Mar. 4.
- Dulany, G. W., Trust, The. (See Page, C. B., and Burton, assignors.)
- Dulany, George W., jr. (See Page, C. B., and Burton, assignors.)
- Dulin, Thomas C., assignor of one-half to H. Fox, Easton, Md. Submarine-escape buoy. 1,768,037; June 24.
- Dull, Raymond W., assignor to Link-Belt Company, Chicago, Ill. Chain manufacture. 1,768,832; July 1.
- Dull, Raymond W., La Grange, assignor to Link-Belt Company, Chicago, Ill. Drive for reciprocating conveyers. 1,770,263; July 8.
- Dull, Raymond W., assignor to Link-Belt Company, Chicago, Ill. Roller bearing and lubrication means therefor. 1,772,711; Aug. 12.
- Dull, Raymond W., assignor to Link-Belt Company, Chicago, Ill. Apparatus for chain manufacture. 1,786,707; Dec. 30.
- Duman, Lawrence, Cheboygan, Mich. Submarine boat. 1,773,223; Aug. 19.
- Dumars, Horace, New Suffolk, assignor of two-thirds to Bowen-Dumars Power Corporation, and one-third to Hermann F. Cuntz, New York, N. Y. Natural-gas liquefaction. 1,747,761; Feb. 18.
- Dumben, Henry J., Waterville, Iowa. Book rack or support. 1,780,872; Nov. 4.
- Dumbleton, Claude. (See Baker, G. R., Dumbleton, and Paterson.)
- Dumler, Charles, Canton, Okla. Revolving display stand. 1,782,257; Nov. 18.
- Dumond, Julien, St. Julien-Du-Sault, France. Coupling. 1,757,009; May 6.
- Dumonde, Pierre, Inc. (See Weil, Louis B., assignor.)
- Dumont, André. (See Blaudeau, J. B., Llmousin, Rousseaux, and Dumont.)

- Dumont, Frank A., Shelton, Wash. Airplane propeller. 1,784,894; Dec. 16.
- Dumont, Joseph, Gardner, Mass. Tenoning cutter head. 1,750,394; Mar. 11.
- Dumor National Chemical Company. (See Waters, Charles H., assignor.)
- Dumper, Thomas H., trustee. (See Haertel, Hans R., assignor.)
- Dunann, R. A., administrator. (See Waite, Harry C.)
- Dunann, R. A., et al. (See Waite, Harry C., assignor.)
- Dunaway, Dewey, et al. (See Hammons, Edward, assignor.)
- Dunbar, Daniel J., Philadelphia, Pa. Window. 1,769,338; July 1.
- Dunbar, Ernest W. (See MacPherson, W., and Dunbar.)
- Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Company, Cambridge, Mass. Overshoe and making the same. 1,750,165; Mar. 11.
- Dunbar, Ernest W., Hudson, and E. J. Dempsey, West Medford, Mass., assignors to Cambridge Rubber Company, Cambridge, Mass. Making rubber-sole stock. 1,776,353; Sept. 23.
- Dunbar, Frank H. (See Sherman, M. C., and Hoff, assignors.)
- Dunbar, Frank H., Cleveland, Ohio, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Ash-gate hopper. 1,758,435; May 13.
- Dunbar, Malcolm, assignor to L. Oertling Limited, London, England. Torsion balance. 1,773,032; Aug. 12.
- Dunbar, Noel S., New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Radiocabinet or similar article. Des. 80,676; Mar. 11.
- Dunbar, Noel S., New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Radiocabinet or the like. Des. 80,882; Apr. 8.
- Dunbar, Robert V. (See Bocek, Tomas, assignor.)
- Dunbar, Thomas L., Watertown, N. Y. Digestion of fibrous material. 1,781,447; Nov. 11.
- Dunbar, William E., assignor to Florida Water Softener Inc., Jacksonville, Fla. Water-softening system. 1,772,134; Aug. 5.
- Dunbaugh, George J., jr., assignor to Champion Manufacturing Company, Chicago, Ill. Tank indicator. 1,744,110; Jan. 21.
- Dunbeck, Joseph R., Rochester, assignor to The Symington Company, New York, N. Y. Truck. 1,774,791; Sept. 2.
- Duncan, Arthur L., Oakland, Calif., assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Peach-pitting apparatus. Re1,7726; July 8.
- Duncan, Arthur L., Oakland, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Apparatus for feeding, trimming, and cutting fruit preparatory to removing the pit therefrom. 1,785,000; Dec. 16.
- Duncan, Arthur L., Oakland, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit-treating method and apparatus. 1,785,001; Dec. 16.
- Duncan, Arthur L., Oakland, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit-pitting machine. 1,785,022; Dec. 16.
- Duncan, Arthur L., Piedmont, Calif., assignor to Acme Canning Machines Company, Reno, Nev. Fruit-coring and stem-removing method and apparatus. 1,769,664; July 1.
- Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitting and coring apparatus. 1,785,002; Dec. 16.
- Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitting and coring method and apparatus. 1,785,003; Dec. 16.
- Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitting and coring apparatus. 1,785,004; Dec. 16.
- Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitting and coring apparatus. 1,785,005; Dec. 16.
- Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitting and coring method. 1,785,006; Dec. 16.
- Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitting and coring mechanism. 1,785,007; Dec. 16.
- Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Method and apparatus for clearing fruit-pitting machines. 1,785,008; Dec. 16.
- Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit-pitting machine. 1,785,009; Dec. 16.
- Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Pitting and coring machine. 1,785,010; Dec. 16.
- Duncan Electric Manufacturing Company. (See Emens, Albert L., assignor.)
- Duncan Electric Manufacturing Company. (See Metzger, William J., assignor.)
- Duncan Foundry and Machine Works, Inc. (See Duncan, George D., jr., assignor.)
- Duncan Foundry and Machine Works, Inc. (See Polster, John P., assignor.)
- Duncan, Frederick S., Englewood, N. J., assignor to American Chain Company, Inc. Repair link for cross chains. 1,769,876; July 1.
- Duncan, George D., jr., assignor to Duncan Foundry and Machine Works, Inc., Alton, Ill. Portable swivel-truck conveyer. 1,763,423; June 10.
- Duncan, Isaac O., Nashville, Tenn. Baby jumper. 1,747,106; Feb. 11.
- Duncan, Israel P. (See Cotten, C., and Duncan.)
- Duncan, Israel P., trustee. (See Cotten, C., and Duncan, assignors.)
- Duncan, J. W. (See Thompson, William H., assignor.)
- Duncan, James F., Waterville, Conn. Valve-rod guide for flush tanks. (1,767,519; June 24.
- Duncan, Major, Baltimore, Md. Vending machine. 1,765,216; June 17.
- Dunford, Ernest, assignor to Landis Machine Company, St. Louis, Mo. Gauge for shoe-stapler machines or the like. 1,758,279; May 13.
- Duncan, Robert D., jr., East Orange, N. J., assignor, by mesne assignments, to Federal Telegraph Company. Polyphase electron-tube generator. 1,745,611; Feb. 4.
- Duncan, Robert D., jr., East Orange, N. J., assignor, by mesne assignments, to Federal Telegraph Company. Duplex high-frequency telephone system. 1,757,114; May 6.
- Duncan, Robert D., jr., East Orange, N. J., assignor, by mesne assignments, to Federal Telegraph Company. High-frequency system. 1,769,018; July 1.
- Duncan, Thomas P., jr., Newport News, Va. Furniture caster. 1,783,873; Dec. 2.
- Duncan, Thomas S. (See Pierson, R. K., and Duncan.)
- Duncan, William M., Alton, Ill. Disintegrator. 1,745,478; Feb. 4.
- Duncan, William M., Alton, Ill. Brake shoe. 1,749,760; Mar. 11.
- Duncan, William M., Alton, Ill. Furnace grate. 1,753,369; Apr. 8.
- Duncan, William M., Alton, Ill. Chain grate. 1,756,020; Apr. 29.
- Duncan, William M., Alton, Ill. Mechanical stoker. 1,758,075; May 13.
- Duncan, William M., Alton, Ill. Chain or traveling grate stoker. 1,786,646; Dec. 30.
- Duncan, William M., assignor to Duncan Foundry and Machine Works, Inc., Alton, Ill. Portable conveyer. 1,763,424; June 10.
- Dunklee, Elmer R. (See Grieshaber, H. E., Dunklee, and Trudeau.)
- Duncombe, Tyrrell H., Miami, Fla. Aeroplane. 1,780,672; Nov. 4.
- Dungan, Jesse M., Fort Wayne, Ind. Gas stove. 1,755,474; Apr. 22.
- Dungan, John E. (See James, R., and Dungan.)
- Dungan, Lee B. (See Brant, P. S., and Thomas, assignors.)
- Dunham, Berman S., Toledo, Ohio. Thumb-sucking preventer. 1,772,601; Aug. 12.
- Dunham, Bert G., Hawthorne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system. 1,780,910; Nov. 11.
- Dunham, C. A., Company. (See Crosthwait, David N., jr., assignor.)
- Dunham, C. A., Company. (See Dunham, Clayton A., assignor.)
- Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Automobile step-plate. Des. 82,214; Oct. 7.
- Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Exhausting mechanism. 1,761,819; June 3.
- Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Heating by steam. 1,771,077; July 22.
- Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Differential heating system. 1,775,274; Sept. 9.
- Dunham Company, The. (See Dunham, Ray E., assignor.)
- Dunham Company, The. (See Dunham, Wiley J., assignor.)
- Dunham Company, The. (See Karl, George E., assignor.)
- Dunham Company, The. (See Kuenhold, Otto J., assignor.)
- Dunham, George C., Elyria, Ohio, assignor to National Tube Company. Dumping bucket. 1,776,621; Sept. 23.
- Dunham, George W., assignor to Whirldry Corporation, Utica, N. Y. Spinner-balancing arrangement for laundry machines. 1,743,441; Jan. 14.
- Dunham, George W., assignor to Whirldry Corporation, New Haven, Conn. Liquid-retaining device for laundry machines. 1,747,762; Feb. 18.
- Dunham, George W., assignor to The Whirldry Corporation, New Haven, Conn. Laundry machine. 1,747,763; Feb. 18.
- Dunham, George W., assignor to Whirldry Corporation, Utica, N. Y. Washing and drying machine. 1,751,982; Mar. 25.
- Dunham, George W., assignor to Whirldry Corporation, Utica, N. Y. Pump-impeller mounting for laundry machines. 1,758,391; May 13.

- Dunham, George W., assignor to Whirldry Corporation, Utica, N. Y. Gearing for laundry machines. 1,760,123; May 27.
- Dunham, George W., assignor to Whirldry Corporation, New Haven, Conn. Centrifugal machine. 1,772,602; Aug. 12.
- Dunham, George W., assignor to The Whirldry Corporation, Utica, N. Y. Sediment-disposing arrangement for laundry machines. 1,775,424; Sept. 9.
- Dunham, George W., assignor to Whirldry Corporation, New Haven, Conn. Laundry machine. 1,783,186; Dec. 2.
- Dunham, George W., assignor to Whirldry Corporation, Utica, N. Y. Laundry machine. 1,785,577; Dec. 16.
- Dunham, George W., assignor to Whirldry Corporation, Utica, N. Y. Laundry machine. 1,785,578; Dec. 16.
- Dunham, George W., New York, assignor to Whirldry Corporation, Utica, N. Y. Pumping mechanism for washing machines. 1,785,579; Dec. 16.
- Dunham, John R. (See Dalton, G. A., and Dunham.)
- Dunham, John R., assignor of one-half to John Waldron Corporation, New Brunswick, N. J. Silent steel gear. 1,772,986; Aug. 12.
- Dunham, Le Roy S., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Galvanic battery. 1,765,137; June 17.
- Dunham, Orson W., Webb City, Mo., assignor to Wertzberger Derrick Company. Bearing and shaft assembly. 1,758,357; May 13.
- Dunham, Ray E., assignor to The Dunham Company, Berea, Ohio. Roller pulverizer. 1,776,851; Sept. 30.
- Dunham, Ray E., assignor to The Dunham Company, Berea, Ohio. Core-molding mechanism. 1,780,470; Nov. 4.
- Dunham, Ray E., assignor to The Dunham Company, Berea, Ohio. Roller pulverizer. 1,782,201; Nov. 18.
- Dunham, Samuel E., Augusta, Ga. Packing for piston rods and valve stems. 1,782,258; Nov. 18.
- Dunham, Wiley J., assignor to The Dunham Company, Berea, Ohio. Double-roller pulverizer. 1,772,039; Aug. 5.
- Dunigan, James W. (See Adams, G. D., and Dunigan.)
- Dunlap, Clarence E., Sioux City, Iowa. Inner-tube patch. 1,756,183; Apr. 29.
- Dunkelberger, Harry E., and N. Winters, Weirton, W. Va. Clamshell bucket. 1,770,915; July 22.
- Dunkelsberg, Louis, New York, N. Y. Spectacles. 1,779,533; Oct. 28.
- Dunkelsberg, Louis, New York, N. Y. Golf tee. 1,781,684; Nov. 18.
- Dunker, Louis H. A., assignor to The Steel-Mesh Road Surface Company, Limited, Birmingham, England. Construction of roads and the like. 1,784,895; Dec. 16.
- Dunlap, Clarence E., Sioux City, Iowa. Inner-tube patch. Re17,759; Nov. 11.
- Dunlap, Leo H., Los Angeles, Calif. Liquid-dispensing stopper. 1,746,727; Feb. 11.
- Dunlap, Rhoda S. (See Putnam, Delmer M., assignor.)
- Dunlap, William J., Long Beach, Calif. Gas anchor and sand separator. 1,759,004; May 20.
- Dunlea, Dorothea, administratrix. (See Dunlea, John M., assignor.)
- Dunlea, John M., deceased, Los Angeles, Calif.; D. Dunlea, administratrix. Screw driver. 1,772,040; Aug. 5.
- Dunleavy, John J. (See Dugert, P., Frey, and Dunleavy.)
- Dunlop Cotton Mills Limited. (See Andrew, T. E., and Langstreth, assignors.)
- Dunlop, Robert R., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Chain guard. 1,772,510; Aug. 12.
- Dunlop, Robert R., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Electric controller. 1,780,763; Nov. 4.
- Dunlop Tire and Rubber Corporation. (See McChesney, C. S., and Clark, assignors.)
- Dunlop Tire and Rubber Corporation of America. (See Penfold, Albert E., assignor.)
- Dunmire, Russell P., Philadelphia, Pa. Insulator. 1,770,130; July 8.
- Dunmire, Russell P., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,748,544; Feb. 25.
- Dunmire, Russell P., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,748,545; Feb. 25.
- Dunmire, Russell P., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit box. 1,748,546; Feb. 25.
- Dunmire, Russell P., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit box. 1,748,547; Feb. 25.
- Dunmire, Russell P., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit box. 1,777,518; Oct. 7.
- Dunn, Allen L., assignor to Cedar Rapids Engineering Company, Cedar Rapids, Mich. Apparatus for truing valve seats. 1,747,060; Feb. 11.
- Dunn, Andrew C., St. Paul, Minn. Earpiece. 1,755,775; Apr. 22.
- Dunn, Clifford E., Short Hills, N. J. Shock absorber. 1,767,520; June 24.
- Dunn, Edward L. (See Lindquist, D. L., Dunn, and Larson.)
- Dunn, Edward L., East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Locking mechanism. 1,756,345; Apr. 29.
- Dunn, Franklin M., Overlea, Md. Garden implement. 1,759,607; May 20.
- Dunn, George W., Newport, Ky. Process of and apparatus for molding building blocks. 1,750,511; Mar. 11.
- Dunn, Irving H., assignor to The Dexter Company, Fairfield, Iowa. Operating gearing for washing machines and the like. 1,754,548; Apr. 15.
- Dunn, Irwin L. (See Mingus, L. C., Dunn, and Crooks.)
- Dunn, Irwin L., Tulsa, Okla. Apparatus for extracting combustible vapors from liquid petroleum. 1,760,124; May 27.
- Dunn, Irwin L., assignor to Air Cleaning and Reaming Corporation, Tulsa, Okla. Cleaning wells. 1,774,640; Sept. 2.
- Dunn, Irwin L., and J. O. Lewis, Tulsa, Okla. Apparatus for cooling compressor valves and compressed fluids. 1,759,301; May 20.
- Dunn, John A., Co. (See Baumgartner, Philip T., assignor.)
- Dunn, John L. (See Etter, T., and Dunn.)
- Dunn, John S., Philadelphia, Pa. Electric heat-control apparatus. 1,770,481; July 15.
- Dunn, John W., assignor of one-half to Daniel Lubliner, Chicago, Ill. Motion-picture-film-treating device. 1,768,895; July 1.
- Dunn, John W., and W. Ruby, assignors to Western Blind & Screen Co., Los Angeles, Calif. Venetian-blind-guide fixture. 1,747,891; Feb. 18.
- Dunn, Joseph E. (See Hauger, D. M., Weaver, Wolbert, and Dunn.)
- Dunn, Retta H. (See Dunn, W. D., assignor, and Jefferys.)
- Dunn, Thomas D., Jr., Thomasville, Ga. Service station. 1,746,074; Feb. 4.
- Dunn, Thomas E., New York, N. Y. Rack attachment for pocket-billiard tables. 1,777,720; Oct. 7.
- Dunn, Thomas E., assignor, by mesne assignments, to The Bullard Company, Bridgeport, Conn. Electrolytic method of cleaning metal. 1,775,671; Sept. 16.
- Dunn, William C., Chicago, Ill. Fluid-transmission mechanism. 1,761,255; June 3.
- Dunn, William C., Chicago, Ill. Slide-valve motor. 1,773,971; Aug. 26.
- Dunn, William D., E. and R. Jefferys, Carteret; said Dunn assignor to R. H. Dunn, Elizabeth, N. J. Sample thief. 1,759,444; May 20.
- Dunn, William G., Clarinda, Iowa. Awning-structure support and tensioning mechanism. 1,760,348; May 27.
- Dunn, William G., Clarinda, Iowa. Accessory mounting. 1,760,349; May 27.
- Dunn, William G., Clarinda, Iowa. Air cleaner for carburetors. 1,771,880; July 29.
- Dunn, William G., Clarinda, Iowa. Double-cam motor. 1,774,087; Aug. 26.
- Dunn, William T. (See Shows, J. E., and Dunn.)
- Dunnham, William R., Gary, Ind. Safety gate. 1,773,100; Aug. 19.
- Dunne, David H., Ottawa, Ontario, assignor to Woods Manufacturing Company, Limited, Hull, Quebec, Canada. Aviator's gauntlet. 1,748,833; Feb. 25.
- Dunne, William H., Toronto, Ontario, Canada. Roller skate. 1,757,115; May 6.
- Dunne, William H., Toronto, Ontario, Canada. Roller-skate wheel. 1,757,116; May 6.
- Dünnebie, Max. (See Winkler, A., and Dünnebie.)
- Dunnican, George W., Bloomfield, N. J., assignor to Weimann Bros. Manufacturing Company, Derby, Conn. Clip for collapsible tubes. 1,781,448; Nov. 11.
- Dunnican, George W., Bloomfield, N. J., assignor to Dorothy Gray, Inc. Vanity case. 1,785,303; Dec. 16.
- Dunning, Carson S., et al. (See Dunning, James A., assignor.)
- Dunning, Claude, Los Angeles, Calif. Dehydrator. 1,775,036; Sept. 2.
- Dunning Compressor Co. (See Myers, Frederick A., assignor.)
- Dunning, Elmer D., Philadelphia, assignor to Kulair Corporation, Jefferson, Pa. Valve mechanism for pumps. 1,780,121; Oct. 28.
- Dunning, Fitzgerald, assignor to Hynson, Westcott, & Dunning, Inc., Baltimore, Md. Mercury derivative of diiodo resorcin sulphon-phthalein. 1,757,176; May 6.
- Dunning, James A., Suffolk, assignor of one-third to V. S. Mayberry, Portsmouth, Va., and one-third to C. S. Dunning, Rocky Mount, N. C. Piston. 1,761,982; June 3.
- Dunning, Leighton, Detroit, Mich., assignor to John Warren Watson Company, Philadelphia, Pa. Recoil check, etc. 1,772,389; Aug. 5.
- Dunning, Orville M., Stamford, Conn., assignor to Acoustic Products Company. Magnetic pickup. 1,786,895; Dec. 30.
- Dunning, William E., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. 1,784,584; Dec. 9.
- Dunning, William E., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. 1,787,237; Dec. 30.
- Dunning, William E., and J. Bachofen, assignors to The McCaskey Register Company, Alliance, Ohio. Filing appliance. 1,761,661; June 3.
- Dunnock, John L. (See Nixon, Clarence R., assignor.)
- Dunsford, Reuben. (See Layton, Arthur J., assignor.)
- Dunsheath, Percy, assignor to W. T. Henley's Telegraph Works Company, Limited, London, England. Application of insulating material in the form of strips to electric conductors. 1,782,381; Nov. 18.

- Dunstan, Arthur S., Auburn, Ala. Hydraulic shock absorber. 1,743,959; Jan. 14.
- Dunster, Le Roy A., Hamilton, N. Y. Antiskid device. 1,777,964; Oct. 7.
- Dunston, Willard J., Somerville, Mass. Valve lifter. 1,765,138; June 17.
- Dunwoodie, David, Dayton, Ohio. Spline teeth. 1,779,805; Oct. 28.
- Dunwoodie, David M., Dayton, Ohio. Hose clamp. 1,779,806; Oct. 28.
- Dunwoody, Henry H. C., Interlaken, N. Y. Modulator for radiotelephones. 1,750,579; Mar. 11.
- Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Binding post. 1,746,639; Feb. 11.
- Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 1,768,751; July 1.
- Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 1,776,552; Sept. 23.
- Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 1,786,742; Dec. 30.
- Duo-Tor Manufacturing Company, The. (See Epstein, William C., assignor.)
- Duplan Silk Corporation. (See Dalby, Raymond, assignor.)
- Duplan Silk Corporation. (See D'Armon, Hazel, assignor.)
- Duplan Silk Corporation. (See Flory, Andrew, assignor.)
- Duplan Silk Corporation. (See Kay, Rose, assignor.)
- Duplan Silk Corporation. (See Lewis, Bernard W., assignor.)
- Duplan Silk Corporation. (See Long, Sylvanus W., assignor.)
- Duplan Silk Corporation. (See Maurus, Harry, assignor.)
- Duplan Silk Corporation. (See Stewart, James T., assignor.)
- Duplan Silk Corporation. (See Thomas, John R., assignor.)
- Duplan Silk Corporation. (See Van Benthuyssen, Herbert L., assignor.)
- Duplan Silk Corporation. (See Winter, Dorothy, assignor.)
- Duplicate Corporation. (See Penning, Nicholas J., assignor.)
- Duplicate Corporation. (See Sherts, James H., assignor.)
- Duplicate Corporation. (See Sherts, J. H., and Hamill, assignors.)
- Duplicate Corporation. (See Sherts, J. H., and Lytle, assignors.)
- Duplex Envelope Co. Inc., The. (See Jones, M. O., and Shomaker, assignors.)
- Duplex Paper Bag Company, The. (See Buchanan, William A., assignor.)
- Duplex Piston Valve (N. Z.) Limited. (See Grace, Laurence G., assignor.)
- Duplex Safety Window Corporation. (See Monsch, Robert, assignor.)
- Du Pont Ammonia Corporation. (See Beekley, John S., assignor.)
- Du Pont Ammonia Corporation. (See Larson, Alfred T., assignor.)
- Du Pont Ammonia Corporation. (See Larsson, Markus, assignor.)
- Du Pont Ammonia Corporation. (See Patart, Georges, assignor.)
- Du Pont Ammonia Corporation. (See Williams, Roger, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Ahlum, Charles C., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Bergeim, Frank H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Bolton, Elmer K., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Bolton, E. K., and Downing, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Burke, Charles E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Burnett, W. B., and Williams, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Douglass, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., Douglass, and Dahlen, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Lee, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Walker, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Daudt, Herbert W., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Dykstra, H. B., and Sly, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Elley, Harold W., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Engelmann, Max, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Frei, John, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Hahn, Frederick C., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Haines, Edward C., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Handforth, Stanley L., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Henning, C. I. B., Burke, and Reid, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Hopkins, Horace H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Jackson, James G., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Jordan, Henry, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Kern, J. G., and Sala, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Kharasch, Morris S., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Lawson, Walter E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Lewis, Paul F., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Lulek, Ralph N., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Manss, Walter A., assignor.)
- Du Pont, E. I., de Nemours & Company. (See McDermott, F. A., and Funk, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Middleton, Edmund B., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Nickowitz, Max N., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Pitman, Earle C., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Powers, Donald H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Reid, E. E., and Schwartz, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Remlein, Frank L., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Schwartz, George L., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Stine, Charles M., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Taylor, Hugh S., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Ward, William H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Williams, I., and Burnett, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Woodbury, Clifford A., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Woodward, Harold E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Wrightsman, Philip G., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Zeisberg, Ferd C., assignor.)
- Du Pont, Eleuthere P., Montchanin, Del. Automobile brake mechanism. 1,753,370; Apr. 8.
- Du Pont, Eleuthere P., Montchanin, Del. Automobile body construction. 1,775,935; Sept. 16.
- Du Pont, Eleuthere P., Montchanin, Del. Convertible automobile body. 1,776,894; Sept. 30.
- Du Pont, Eleuthere P., Montchanin, Del. Automobile body. 1,778,025; Oct. 14.
- Du Pont, Francis I., Wilmington, Del. Liquid-vending machine. 1,748,471; Feb. 25.
- Du Pont, Francis I., assignor to Delaware Chemical Engineering Co., Wilmington, Del. Steam power plant. 1,753,335; Apr. 8.
- Du Pont, Francis I., assignor to U. S. F. Powder Company, Wilmington, Del. Smokeless powder. 1,780,911; Nov. 11.
- Du Pont Rayon Company. (See Blanco, G. W., and Henningsen, assignors.)
- Du Pont Rayon Company. (See Coleman, Clarence E., assignor.)
- Du Pont Rayon Company. (See Gladding, Ernest K., assignor.)
- Du Pont Rayon Company. (See Kraft, Fred G., assignor.)
- Du Pont Rayon Company. (See Lardy, Guillaume, assignor.)
- Du Pont Rayon Company. (See Niogret, Henri F., assignor.)
- Du Pont Rayon Company. (See Paley, Lewis A., assignor.)
- Dupré, Wilfred, Worcester, Mass. Convertible automobile body. 1,766,015; June 24.
- Duprey, Thomas, Long Beach, Calif. Electrically-adjustable propeller. 1,747,230; Feb. 18.
- Dupuis, Charles, Ladysmith, Wis. White-water system for reclaiming white water or any fiber. 1,787,341; Dec. 30.
- Dupuis, Henry, Manchester, N. H. Roller skate and attachment. 1,775,895; Sept. 16.
- Dupuis, Leon L., and E. H. Vicary, Port Angeles, Wash. Slitter drive. 1,774,133; Aug. 26.
- Dupuy, Benjamin H., New Orleans, La. Automatic liquid-measuring device. 1,769,499; July 1.
- Duquesne Steel Foundry Company. (See Capper, Arthur M., assignor.)
- Dura Company, The. (See Cook, Everett J., assignor.)
- Dura Company, The. (See Graff, George, assignor.)
- Dura Company, The. (See Graff, G., Haskins, and Gunther, assignors.)
- Dura Company, The. (See Haskins, Howard B., assignor.)
- Dura Company, The. (See Nicholson, Stanley W., assignor.)
- Dura Company, The. (See Rickel, C. E., Cramer, and Haskins, assignors.)

- Durabilt Steel Locker Co. (See Kaser, Everett D., assignor.)
- Durable Brush Co. (See Potter, Russell R., assignor.)
- Durable Mat Company. (See Hollenbeck, Harold W., assignor.)
- Durable Mat Company. (See Lyons, Charles T., assignor.)
- Duracolor Co. Inc. (See Guerin, A. S., and Schulte, assignors.)
- Durametall Corporation. (See Sliter, Leon A., assignor.)
- Durand, Claude. (See Vatinet, H. V. E., and Durand.)
- Durand & Huguenin. (See Taussig, Walter, assignor.)
- Durand & Huguenin, S. A. (See Brandt, P., and Glenz, assignors.)
- Durand & Huquenin S. A. (See de Niederhäusern, Georges, assignor.)
- Durand, Moise H., assignor to C. D. Blaikie, doing business as Smith, Richardson Co., Attleboro, Mass. Woven wire and method of its manufacture. 1,784,786; Dec. 9.
- Durand, Nelson C., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Switch device. 1,786,294; Dec. 23.
- Durant, John D., Cleveland, Ohio. Thermostatic circulation control. 1,774,506; Sept. 2.
- Durant Manufacturing Company. (See Plate, Albert H., assignor.)
- Du-Ra Valve Manufacturing Company. (See Du Bois, Virgil L., assignor.)
- Durbin, Vernon, Newton, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Fire-alarm system. 1,786,524; Dec. 30.
- Durbin, Votaw S., St. Louis, Mo. Cupola furnace and operating the same. 1,778,524; Oct. 14.
- Durchman, Lauri I. L., Petersburg, Va. Manufacturing alpha cellulose. 1,780,347; Nov. 4.
- Durchman, Lauri I. L., Petersburg, Va. Manufacturing high-grade alpha cellulose. 1,781,449; Nov. 11.
- Durdin, Augustus C., jr., Chicago, Ill. Displacement apparatus. 1,753,556; Apr. 8.
- Durdin, Augustus C., jr., Chicago, Ill. Vacuum condensation pump. 1,753,557; Apr. 8.
- Durdin, Augustus C., jr., Chicago, Ill. Vacuum condensation pump. 1,775,425; Sept. 9.
- Durdin, Augustus C., jr., Chicago, Ill. Automatically-controlled water-circulating system. 1,780,379; Nov. 4.
- Durdin, Augustus C., jr., Chicago, Ill. Automatic control system for electric motors. 1,780,380; Nov. 4.
- Durdin, Augustus C., jr., Chicago, Ill. Pumping apparatus for sewage and other liquids. 1,785,480; Dec. 16.
- Durdin, Augustus C., jr., Chicago, Ill. Pumping apparatus. 1,786,056; Dec. 23.
- Durdin, Augustus C., jr., Chicago, Ill. Vacuum condensation pump. 1,786,055; Dec. 23.
- Durfinger, Robert L., Indianapolis, Ind. Window-screen hanger. 1,774,255; Aug. 26.
- Durgin, Charles B., Anniston, Ala., and P. Logue, St. Louis, Mo., assignors to Federal Phosphorus Company, Birmingham, Ala. Material comprising calcium sulphate anhydrous and calcium phosphate pyro and manufacturing same. 1,747,579; Feb. 18.
- Durgin, Charles B., A. B. Gerber, Anniston, Ala., and P. Logue, St. Louis, Mo., assignors, by mesne assignments, to Swann Research, Inc., Birmingham, Ala. White anhydrous calcium sulphate and producing same. 1,783,417; Dec. 2.
- Durgin, Edgar R., Newark, N. J., assignor, by mesne assignments to Continental Optical Manufacturing Company, Indianapolis, Ind. Ophthalmic mounting. 1,748,281; Feb. 25.
- Durham, Kenneth P., Seattle, Wash. Reversible paper clip. 1,755,915; Apr. 22.
- Duriez, André. (See Bernier, M., Duriez, and Schotsmans.)
- Duriez, François. (See Bernier, M., Duriez, and Schotsmans.)
- Duriron Company, The. (See Jacobsen, Oystein, assignor.)
- Durkee-Atwood Company. (See Walz, Carl F., assignor.)
- Durkee, Ernest W., Lynn, Mass. Last. 1,756,587; Apr. 29.
- Durkee, Ernest W., Lynn, Mass. Boot or shoe. 1,757,993; May 13.
- Durkee, Henry E., Glastonbury, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Tap-hobbing machine. 1,745,750; Feb. 4.
- Durkin, Gus, et al. (See Timoney, Andrew J., assignor.)
- Durnell, Harold, G. and S. T. Steel, Bartlesville, Okla. Pull-rod clamp. 1,768,038; June 24.
- Durnen, James F., Mullan, Idaho. Combined cigarette holder and lighter. 1,771,113; July 22.
- Durnin, Joseph V. (See Uhle, D. J., and Durnin.)
- Durning, Edward G., assignor to The J. G. Brill Company, Philadelphia, Pa. Axle-box lid. 1,786,605; Dec. 30.
- Duro Company, The. (See Eisenhauer, Charles P., assignor.)
- Duro Metal Products Company. (See Peterson, E. H., and McNaught, assignors.)
- Duro Metal Products Company. (See Peterson, E. H., and Odum, assignors.)
- Dur-O-Lite Pencil Company. (See Lynn, John P., assignor.)
- Durr, André H. V., assignor to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France. Resinous condensation product. Re17,878; Nov. 25.
- Dürr, Ludwig, Friedrichshafen, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Light-weight girder. 1,746,344; Feb. 11.
- Durrer, Robert, Berlin-Wannsee, F. C. Siemens, Berlin-Dahlem, and A. Sprenger, Berlin-Charlottenburg, assignors to Friedrich Siemens Aktiengesellschaft, Berlin, Germany. Producing steel in an open-hearth furnace. 1,752,374; Apr. 1.
- Dursch, Frank C. J., Philadelphia, Pa. Weed-topping attachment for lawn mowers. 1,756,346; Apr. 29.
- Durst, Andrew, New York, N. Y. Pin lock. 1,745,250; Jan. 28.
- Duryea, O. C. Corporation. (See Duryea, Otho C., assignor.)
- Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,752,335; Apr. 1.
- Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,776,313; Sept. 23.
- Dusek, Joseph W., Wessington Springs, S. Dak. Husking-machine snapping assembly. 1,770,230; July 8.
- Dusevoir, Julius, Oakland, assignor to Motive Devices, Inc., San Francisco, Calif. Piston. 1,772,931; Aug. 12.
- Dushek, Maurice, Chicago, Ill. Confection. Des. 80,883; Apr. 8.
- Dushman, Gabriel, New York, N. Y. Hem-basting apparatus. 1,745,210; Jan. 28.
- Dushman, Saul, Schenectady, N. Y., assignor to General Electric Company. Electrode composition for electron-discharge devices. 1,747,061; Feb. 11.
- Dushman, Saul, Schenectady, N. Y., assignor to General Electric Company. Electrode composition for electron-discharge devices. 1,747,062; Feb. 11.
- Dushman, Saul, Schenectady, N. Y., assignor to General Electric Company. Electrode composition for electron-discharge devices. 1,747,063; Feb. 11.
- Dushman, Saul, Schenectady, N. Y., assignor to General Electric Company. Electrode composition for electron-discharge devices. 1,747,064; Feb. 11.
- Dusinberre, George B., Wellsboro, Pa. Piston-ring expander. 1,779,034; Oct. 21.
- Düskow, Wilhelm, Berlin, Germany. Closure device for perfume bottles or the like. 1,755,433; Apr. 22.
- Dutcher, Frank, McKeesport, Pa. Railway signal-fuse plug. 1,754,988; Apr. 15.
- Dutcher, Thomas B., Versailles, Pa. Spring clip for railway signal torpedoes. 1,754,150; Apr. 8.
- Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
- Dutt, Eric. (See Helbronner, A., and Dutt.)
- Dutton, Andrew, Company. (See MacArthur, J. B., and Sansom, assignors.)
- Dutton, Charles S., Oakland, E. Alexander, San Francisco, and G. H. Derrick, deceased, Oakland, Calif.; V. A. Derrick, executrix; assignors, by mesne assignments, to Instograph, Ltd. Make-and-break mechanism for electric switches. 1,769,214; July 1.
- Dutton, George E., Shreveport, La. Protecting river banks. 1,748,444; Feb. 25.
- Dutton, Harold H., Washington, D. C. Lewis. 1,779,035; Oct. 21.
- Dutton, Harold H., Washington, D. C. Mixing nozzle. 1,779,036; Oct. 21.
- Duty, Dorsey G., and R. P. Skerritt, Detroit, Mich. Servomotor for brakes. 1,765,760; June 24.
- Duvall, Jacob A., Collinsville, Okla. Coal breaker for loading machines. 1,772,987; Aug. 12.
- Duvall, Stanley, Breckenridge, Tex. Meter for lubricant-dispensing apparatus. 1,759,302; May 20.
- Duvall, William J., assignor to Smith & Davis Manufacturing Company, St. Louis, Mo. Folding davenport. 1,775,672; Sept. 16.
- Duwe, Friedrich, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Regulating device for gates of weirs. 1,744,455; Jan. 21.
- Duwe, Friedrich, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Electrical switching apparatus. 1,755,689; Apr. 22.
- Duwe, Friedrich, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Mechanism for operating swinging doors of drum weirs. 1,777,404; Oct. 7.
- Duwe, Friedrich, Mainz-Kastel, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Bavaria, Germany. Apparatus for mixing liquids. 1,786,009; Dec. 23.
- Dwan, Pauline, New York, N. Y. Vanity case. 1,762,767; June 10.
- Dwelle, Walter K., assignor of forty per cent to J. T. Deaver, twelve and one-half per cent to J. Lawlor, and seven and one-half per cent to C. C. Cunningham, Houston, Tex. Indicator and recorder. 1,754,503; Apr. 15.
- Dwelle, Walter K., assignor of forty per cent to J. T. Deaver, twelve and one-half per cent to J. Lawlor, and seven and one-half to C. C. Cunningham, Houston, Tex. Fuselage for aeroplanes. 1,755,211; Apr. 22.
- Dwight, Amos T., Redbank, N. J. Strainer. 1,783,111; Nov. 25.
- Dwight and Lloyd Metallurgical Company. (See Hyde, Reed W., assignor.)
- Dwight & Lloyd Metallurgical Company. (See Lloyd, Richard L., assignor.)

- Dwork, Joseph H., Newark, N. J. Mop wringer. 1,779,307; Oct. 21.
- Dworsky, Joseph S., New York, N. Y., assignor to Albert Pick-Barth Company, Inc. Refrigerator lock. Des. 82,318; Oct. 21.
- Dwyer, Earl P., El Paso, Tex. Vanity case. 1,750,215; Mar. 11.
- Dwyer, William O. (See Blume, L. F., and Dwyer.)
- Dwyer, Harry A., Marion, Ind. Plate or similar article. Des. 81,921; Sept. 2.
- Dwyer, Nellie S., Puyallup, Wash. Separable button. 1,774,134; Aug. 26.
- Dwyer, William C., Auburn, N. Y., assignor to International Harvester Company. Tractor disk harrow. 1,769,123; July 1.
- Dyar, John W., Detroit, Mich. Furnace. 1,749,907; Mar. 11.
- Dyar, John W., Detroit, Mich. Boiler furnace. 1,749,908; Mar. 11.
- Dyar, John W., Detroit, Mich. Nipple construction for boiler furnaces. 1,749,910; Mar. 11.
- Dyar, John W., Grosse Pointe, Mich. Steam connection for boiler furnaces. 1,749,909; Mar. 11.
- D'Yarmett, Edward C., assignor to The Fractionator Company, Kansas City, Mo. Radiator unit. 1,777,555; Oct. 7.
- Dyas, Dave S., deceased, Beverly Hills, assignor of one-fifth to P. Wolf, Los Angeles, Calif.; Dave F. Smith and H. G. Krohn, executors of said Dave S. Dyas. Toothbrush-marking machine. 1,746,229; Feb. 4.
- Dycast Steel Company. (See Davidson, Arthur C., assignor.)
- Dyck, Herbert F., Ness City, Kans. Combination stop and drain cock. 1,765,139; June 17.
- Dyckerhoff, Eduard. (See Schmidt, E., and Dyckerhoff.)
- Dyeing Processes Corporation. (See Hebden, John C., assignor.)
- Dye, Edward R., Monticello, Ind. Device for locating punctures in automobile tires. 1,779,907; Oct. 28.
- Dyer, Clarence J. L., Kisbey, Saskatchewan, Canada. Drag harrow. 1,784,182; Dec. 9.
- Dyer Frank L., Montclair, N. J. Electrical reproducing device. 1,752,943; Apr. 1.
- Dyer, Frank L., New York, N. Y. Making phonograph records. 1,783,498; Dec. 2.
- Dyer, Frederick C., Toronto, Canada. Ore-concentrating table. 1,781,810; Nov. 18.
- Dyer, George H., Cambridge, Mass. Piston. 1,745,154; Jan. 28.
- Dyer, Harry W., New York, N. Y. Water cooler. Des. 81,087; May 6.
- Dyer, James D., Kansas City, Mo. Window-screen hanger. 1,763,348; June 10.
- Dyer, James D., Kansas City, Mo. Automobile inclosure and shield construction. 1,765,866; June 24.
- Dyer, John B., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine starter. 1,750,300; Mar. 11.
- Dyer, John B., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,757,238; May 6.
- Dyer, John W., East Orange, N. J. Driving mechanism for turntables of talking machines. 1,753,505; Apr. 8.
- Dyer, Leroy F., Quincy, Mass. Control of radiocircuits. 1,748,640; Feb. 25.
- Dyer, Z. A., et al. (See Kammerdiner, James A., assignor.)
- Dyer, Zeb A. (See Shaver, F. J., and Dyer.)
- Dyke, Darrell F., Los Angeles, Calif., assignor to Kroehler Mfg. Co., Naperville, Ill. Folding leg. 1,746,823; Feb. 11.
- Dyke, Francis R., Dartmouth, Nova Scotia, Canada. Ash-dust eliminator. 1,785,481; Dec. 16.
- Dykes, Coy M., Arton, Ala. Peanut-picking machine. 1,752,375; Apr. 1.
- Dykstra, Harry B., Wilmington, Del., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Soldering flux. 1,785,115; Dec. 16.
- Dykstra, Harry B., and C. Sly, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing vinyl esters of organic acids. 1,786,647; Dec. 30.
- Dym, Jacob, assignor to Porcelier Manufacturing Company, East Liverpool, Ohio. Coffee percolator. 1,782,958; Nov. 25.
- Dyment Company, The. (See Dyment, Elwood, assignor.)
- Dyment, Elwood, Lakewood, assignor to The Dyment Company, Cleveland, Ohio. Tire-display stand. 1,780,381; Nov. 4.
- Dymock, Raymond, Hamburg, N. J. Stake lock. 1,762,618; June 10.
- Dyresen, Didrick, Malden, Mass. Fastener. 1,754,672; Apr. 15.
- Dyrssen, Waldemar, Sharpsburg, assignor to Blau-Knox Company, Pittsburgh, Pa. Heating air and gases. Re17,577; Feb. 4.
- Dysthe, Martinus. (See Roberts, G., and Dysthe.)
- Dytch, Harry, Daytona Beach, Fla. Musical wind instrument. 1,786,833; Dec. 30.
- Dzamba, Andrew W., assignor of one-sixth to J. Meli and one-sixth to F. J. Meli, Jersey City, N. J. Snow removing and melting device. 1,779,965; Oct. 28.
- Dziacos, Nicolas. (See Franquet, J., and Dziacos.)
- E. A. Laboratories, Inc. (See Aufero, John M., assignor.)
- E. M. F. Electric Company Proprietary Limited. (See Whiting, G. A., and Holland, assignors.)
- E. M. S. Industrial Processes Limited. (See Salerni, Edoardo M., assignor.)
- E. & N. Manufacturing Company, The. (See Newton, M. C., and Gremling, assignors.)
- E-Z Reach Paper Cutter Corporation. (See McClintock, James W., assignor.)
- Eadie Brothers and Company Limited. (See Whiteley, Wilfred, assignor.)
- Eager, Frank L., Waterbury, Conn. Fluctuating leverage engine. 1,751,474; Mar. 25.
- Eagle, C. K., & Co. (See Courter, Andrew L., assignor.)
- Eagle Chemical Company. (See Jones, William E., assignor.)
- Eagle Knitting Mills. (See Goldstein, Arthur, assignor.)
- Eagle Knitting Mills, Inc. (See Goldberg, Morris B., assignor.)
- Eagle Manufacturing Company. (See Paull, Harry W., assignor.)
- Eagle Metallic Bed Corporation. (See Zatzkin, Jacob, assignor.)
- Eagle Pencil Company. (See Fischer, John H., assignor.)
- Eagle Pencil Company. (See Grennan, Benjamin F., assignor.)
- Eagle Pencil Company. (See Kaiser, Henry J., assignor.)
- Eagle-Picher Lead Company, The. (See Merrill, Harry C., assignor.)
- Eagles, George A., Chesham, England. Airship. 1,758,076; May 13.
- Eaglesfield, Frederick R., assignor to The Kawneer Company, Niles, Mich. Closure. 1,750,631; Mar. 18.
- Eaglesfield, Frederick R., assignor to The Kawneer Company, Niles, Mich. Joining means. 1,768,584; July 1.
- Eaglesfield, Robert D., Brazil, Ind., assignor to Oliver Machinery Co., Grand Rapids, Mich. Conveyer. 1,746,697; Feb. 11.
- Eakin, Benjamin F., Kahoka, Mo. Shock absorber and snubber. 1,778,786; Oct. 21.
- Eakins, Joseph, Paterson, N. J. Bushing for wooden lug sticks. 1,777,965; Oct. 7.
- Ealy, Milton D., Los Angeles, Calif. Fastener. 1,768,977; July 1.
- Eames Company. (See Merle, Isidore A., assignor.)
- Eames Company. (See Nielsen, Hans P., assignor.)
- Eames, George M., Bridgeport, Conn., and I. F. Webb, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Power-transmitter support. 1,755,637; Apr. 22.
- Eames, Kenneth R., Worcester, Mass., assignor of one-half to W. A. Miller, Conimicut, R. I. Machine for severing tally marks from wool. 1,779,666; Oct. 28.
- Eames, William F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic stop elevator system. Re17,555; Jan. 7.
- Eames, William F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system for elevators. 1,769,054; July 1.
- Ean, Marjorie W., New York, N. Y. Cosmetic pack. 1,744,532; Jan. 21.
- Earhart, Albert C., Cleveland Heights, Ohio. Doorcheck. 1,749,573; Mar. 4.
- Earhart, Albert C., Cleveland Heights, Ohio. Door check or stop. 1,757,075; May 6.
- Earl, Allen W., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Method of and apparatus for straightening annealing boxes. 1,754,616; Apr. 15.
- Earl, George G., New Orleans, La. Fluid system. 1,744,872; Jan. 28.
- Earl, Harley J., assignor to General Motors Corporation, Detroit, Mich. Running board. Des. 82,547; Nov. 18.
- Earl, Harley J., assignor to General Motors Corporation, Detroit, Mich. Fender brace and lamp support. 1,770,768; July 15.
- Earl, Harley J., R. W. Pew, and J. J. Tjaarda, assignors to General Motors Corporation, Detroit, Mich. Hub for steering wheel. Des. 80,884; Apr. 8.
- Earl, Otis A. (See Maxwell, William H., assignor.)
- Earl, Schuyler H., assignor to Gleason Works, Rochester, N. Y. Chuck. 1,781,721; Nov. 18.
- Earl, William B., Leominster, Mass. Folding case for time-pieces. 1,765,971; June 24.
- Earle, Francis. (See Spilsbury, Hugh G., assignor.)
- Earles, Amalia, and E. H. Barbe, Los Angeles, Calif. Ash tray. 1,775,160; Sept. 9.
- Early, Eliza A. (See Wright, James W., assignor.)
- Early, John E., Clarksburg, W. Va., assignor to The Akro-Agate Company, Akron, Ohio. Machine for making spherical glass bodies. 1,761,623; June 3.
- Early, Robert E. (See Bradford, N. T., and Early.)
- Earman, George H., Harrisonburg, Va. Removing odor and flavor of garlic from milk. 1,775,896; Sept. 16.
- Earnest, Albert R., Buffalo, N. Y. Metal-rolling process and apparatus. 1,778,487; Oct. 14.
- Earnhardt, Everett G., Mount Carmel, Pa. Lightning throw-off device. 1,778,891; Oct. 21.
- Earnshaw, Arthur R., et al. (See Remington, Joseph P., assignor.)
- Earnshaw, David P. (See Holland, W. E., and Earnshaw.)
- Earnshaw, Howard W., assignor to The Lilley Company, Columbus, Ohio. Tool-handle construction. 1,771,779; July 29.
- Earnshaw, William B., Dayton, Ohio, and R. N. Janeway, assignors to General Motors Research Corporation, Detroit, Mich. Combustion chamber. 1,749,327; Mar. 4.
- Earon, Orville D., Montclair, N. J., assignor to The Hard-right Company. Brush handle or the like. Des. 81,088; May 6.

- Earp-Thomas, George H., Glen Ridge, N. J. Lactobacteria product. 1,758,937; May 20.
- Eastburn, Samuel L., Sloatsburg, assignor to Ramapo Ajax Corporation, New York, N. Y. Switch stand. 1,783,283; Dec. 2.
- East, Thomas A., Wallington, England, assignor to Radio Corporation of America. Winch. 1,754,786; Apr. 15.
- Easter, Henry F., Hayden, Ariz., assignor to American Smelting and Refining Company, New York, N. Y. Furnace cooling by steam. 1,783,284; Dec. 2.
- Eastern Expanded Metal Company. (See Edson, J. W., Stone, and Arnold, assignors.)
- Eastern Finishing Works. (See Adams, William H., assignor.)
- Eastern Laboratories, Inc. (See Jancke, B. F., and Kelley, assignors.)
- Eastern Machine Screw Corporation, The. (See Hoelzel, Otto, assignor.)
- Eastern Tool & Mfg. Co. (See Anderson, Carl E., assignor.)
- Eastern Tool & Manufacturing Company. (See Falstrom, Henry W., assignor.)
- Eastern Tool and Manufacturing Company. (See Lorber, Charles, assignor.)
- Eastern Tool & Manufacturing Company. (See Peterson, Carl E., assignor.)
- Eastern Tube & Tool Co. (See Schneider, Edwin J., assignor.)
- Eastern Tube and Tool Co. (See Schneider, E. J., and Wiggins, assignors.)
- Eastern Tube and Tool Co. Inc. (See Schneider, E. J., and Bradt, assignors.)
- Eastes, James B., Konawa, Okla. Oil-dispensing pump. 1,767,354; June 24.
- Eastman, Algernon L., Bemis, Me. Identification device. 1,742,649; Jan. 7.
- Eastman, Cephas W. (See Harding, Chauncy, assignor.)
- Eastman, Floyd K., assignor to The Concealed Door Check Co., Kokomo, Ind. Doorcheck. 1,752,423; Apr. 1.
- Eastman, Floyd K., assignor to Concealed Door Check Company, Kokomo, Ind. Doorcheck. 1,755,288; Apr. 22.
- Eastman, Joseph P., assignor to Eastman Mfg. Co., Manitowoc, Wis. Machine for contracting ferrules. 1,761,521; June 3.
- Eastman Kodak Company. (See Altman, Fred E., assignor.)
- Eastman Kodak Company. (See Brehm, Frederick W., assignor.)
- Eastman Kodak Company. (See Capstaff, John G., assignor.)
- Eastman Kodak Company. (See Carroll, Stewart J., assignor.)
- Eastman Kodak Company. (See Chamberlin, Benjamin D., assignor.)
- Eastman Kodak Company. (See Clarke, Hans T., assignor.)
- Eastman Kodak Company. (See Frederick, Charles W., assignor.)
- Eastman Kodak Company. (See Fritts, Edwin C., assignor.)
- Eastman Kodak Company. (See Fuerst, Carl C., assignor.)
- Eastman Kodak Company. (See Green, Newton B., assignor.)
- Eastman Kodak Company. (See Hopkins, Roy S., assignor.)
- Eastman Kodak Company. (See Jones, John G., assignor.)
- Eastman Kodak Company. (See Jones, J. G., and Dewey, assignors.)
- Eastman Kodak Company. (See Jones, Loyd A., assignor.)
- Eastman Kodak Company. (See Jones, L. A., and Tuttle, assignors.)
- Eastman Kodak Company. (See Martin, Frederick C., assignor.)
- Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
- Eastman Kodak Company. (See Nolan, Edward J., assignor.)
- Eastman Kodak Company. (See Ord, Percy R., assignor.)
- Eastman Kodak Company. (See Riddell, William A., assignor.)
- Eastman Kodak Company. (See Schoen, Arthur L., assignor.)
- Eastman Kodak Company. (See Seel, Paul C., assignor.)
- Eastman Kodak Company. (See Seymour, Merrill W., assignor.)
- Eastman Kodak Company. (See Sheppard, S. E., and McNally, assignors.)
- Eastman Kodak Company. (See Sheppard, S. E., and Wightman, assignors.)
- Eastman Kodak Company. (See Staud, Cyril J., assignor.)
- Eastman Kodak Company. (See Stewart, Donald H., assignor.)
- Eastman Kodak Company. (See Stuber, A. and Underwood, assignors.)
- Eastman Kodak Company. (See Teague, Walter D., assignor.)
- Eastman Kodak Company. (See Tozier, George H., assignor.)
- Eastman Kodak Company. (See Tuttle, C. M., and White, assignors.)
- Eastman Kodak Company. (See Underwood, Ernest E., assignor.)
- Eastman Kodak Company. (See Van Derhoef, Henry E., assignor.)
- Eastman Kodak Company. (See Webber, C. S., and Staud, assignors.)
- Eastman Kodak Company. (See Wittel, Otto, assignor.)
- Eastman Machine Company. (See Clark, Frederick J., assignor.)
- Eastman Mfg. Co. (See Eastman, Joseph P., assignor.)
- Easton, Henry P., jr., Nutley, N. J. Garment and fur steamer. 1,785,619; Dec. 16.
- Easton, Lucian F., La Crosse, Wis. Rotary air pump. 1,781,375; Nov. 11.
- Eastwood, Harry F., Merrick, N. Y. Furnace attachment. 1,781,811; Nov. 18.
- Eastwood Wire Corporation. (See Webb, Nelson W., assignor.)
- Eastwood Wire Manufacturing Company. (See Coups, Charles A., assignor.)
- Eastwood Wire Manufacturing Company. (See Webb, Nelson W., assignor.)
- Eatherton, Harry A., assignor to Porcelain Products, Inc., Findlay, Ohio. Protective device. 1,774,874; Sept. 2.
- Eaton, Albert N., Omaha, Nebr. Barrel-cleaning apparatus. 1,770,201; July 8.
- Eaton, A. M., Paper Company. (See Eaton, Carleton G., assignor.)
- Eaton Axle & Spring Company, The. (See Bell, Charles H., assignor.)
- Eaton Axle & Spring Company, The. (See Howe, James M., assignor.)
- Eaton Axle & Spring Company, The. (See Peck, Lionel S., assignor.)
- Eaton Axle & Spring Company, The. (See Pelton, Clyde W., assignor.)
- Eaton Axle and Spring Company, The. (See Reed, George R., assignor.)
- Eaton Axle and Spring Company, The. (See Reid, James S., assignor.)
- Eaton Axle & Spring Company, The. (See Wamelink, Eugene C., assignor.)
- Eaton, Bertram, Toronto, assignor to A. Latham, York, Ontario, and C. T. Purvis, Toronto, Ontario, Canada. Sewing machine. 1,778,107; Oct. 14.
- Eaton, Carleton G., Waltham, assignor to A. M. Eaton Paper Company, Boston, Mass. Device for positioning string handles on paper bags. 1,762,857; June 10.
- Eaton, Charles C., Brockton, Mass., assignor, by mesne assignments, to E. A. Gray, Augusta, Me. Shoe filler. 1,754,225; Apr. 15.
- Eaton, Ernest, assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Oil-tight transmission-gear head. 1,755,776; Apr. 22.
- Eaton, Ernest E., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Vibrationless multiple-disk clutch. 1,757,517; May 6.
- Eaton, George, Cleveland, Ohio, assignor, by mesne assignments, to Pan Electric Manufacturing Corporation. Electric heater. 1,753,601; Apr. 8.
- Eaton, Herbert N. (See Sylvander, R. C., Eaton, and MacNair.)
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Motor-control system. 1,743,760; Jan. 14.
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Controller. 1,751,400; Mar. 18.
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Time-element device. 1,774,966; Sept. 2.
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Door-closing device. 1,780,673; Nov. 4.
- Eaton, Lawrence B. (See Schupfer, R., and Eaton.)
- Eaton, Reuben C., Leominster, Mass. Attachment for draftsmen's drawers. 1,774,792; Sept. 2.
- Eaton, William S., Sag Harbor, N. Y. Plate holder for chromium plating machines. 1,747,165; Feb. 18.
- Eaton, William T., assignor of one-half to W. Gambles, Waganui, New Zealand. Resilient shaft coupling. 1,746,148; Feb. 4.
- Ebbcke, Albert, Newark, N. J. Music stand. 1,745,845; Feb. 4.
- Ebeco Machine Corporation. (See Schneider, Bernard R., assignor.)
- Ebel, Gregory N., St. Paul, Minn. Chicken-feeding hopper. 1,750,580; Mar. 11.
- Ebel, John H. (See Rodd, E., and Ebel.)
- Ebel, John H., Brooklyn, assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Plate clamp for trimming machines. 1,745,361; Feb. 4.
- Ebeling, August, Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Loaded cable circuit. 1,762,964; June 10.
- Ebeling, Charles W., New York, N. Y., assignor to Harrison W. Rogers, Inc. Synchronous motor. 1,756,055; Apr. 29.
- Ebeling, Charles W., assignor to General Talking Pictures Corporation, New York, N. Y. Combined motion-picture projector and photographic sound-reproducing machine. 1,786,903; Dec. 30.
- Ebensburg Coal Company. (See Fleming, David, assignor.)
- Eberhard, Heinrich, Berlin, Germany. Piezo-electric crystal-controlled oscillation generator. 1,761,882; June 3.
- Eberhard Manufacturing Company, The. (See Hennicke, Carl R., assignor.)
- Eberhardt, Herman, Breslau, Germany. Apparatus for sorting guts. 1,765,909; June 24.

- Eberhardt, Rudolph, Brooklyn, N. Y. Toilet-accessories container. Des. 82,536; Nov. 11.
- Eberhardt, Stanley L. H., London, England. Method of and apparatus for making tickets. 1,785,250; Dec. 16.
- Eberhardt, Ulrich S., Maplewood, assignor to Newark Gear Cutting Machine Company, Inc., Newark, N. J. Shaft-advancing mechanism for use in hobbing long multiple grooves in shafts. 1,755,916; Apr. 22.
- Eberhart, Allen B. (See Collins, E. R., Eberhart, and Gillentine.)
- Eberhart, Felix, Newark, N. J., assignor to American Can Company, New York, N. Y. Printing machine. 1,770,029; July 8.
- Eberhart, Felix, Newark, N. J., assignor to American Can Company, New York, N. Y. Decorative container. 1,773,972; Aug. 26.
- Eberle, John A., assignor to The Perfection Manufacturing Company, St. Louis, Mo. Child's walker. 1,745,569; Feb. 4.
- Eberle, Wilhelm, Frankfort-on-the-Main, Germany. Machine for guiding cutting burners. 1,748,870; Feb. 25.
- Eberle, Wilhelm, Frankfort-on-the-Main, Germany. Transportable guiding device for cutting burners. 1,773,664; Aug. 19.
- Eberlin, Leon W. (See Sheppard, S. E., and Eberlin.)
- Eberling, Charles M., Cleveland, Ohio. Clutch. 1,765,063; June 17.
- Eberling, Charles M., Cleveland, Ohio. Building-block machine. 1,765,064; June 17.
- Eberling, Charles M., Cleveland, Ohio. Roller bearing. 1,781,450; Nov. 11.
- Eberly, Sylvester, assignor of one-half to K. Flensted, Toledo, Ohio. Article feeder. 1,761,781; June 3.
- Ebersol, Charles E., and R. Grieve, Lansing, Mich. Check-stub holder. 1,759,103; May 20.
- Ebersole, William J., New Hampton, Mo. Feed and grain distributor. 1,778,588; Oct. 14.
- Ebert, Laurence R., Vancouver, Wash. Carburetor. 1,781,276; Nov. 11.
- Ebert, Robert A., et al. (See Zisch, George J., assignor.)
- Ebihara, Keikichi. (See Okochi, M., and Ebihara.)
- Ebinger, D. A., Sanitary Manufacturing Company, The. (See Ebinger, David H., assignor.)
- Ebinger, David H., assignor to The D. A. Ebinger Sanitary Manufacturing Company, Columbus, Ohio. Liquid-cooling system. 1,753,236; Apr. 8.
- Ebke, William, Helvey, Nebr. Oil burner. 1,776,150; Sept. 16.
- Eble, Grover S., New York, N. Y. Valve. 1,742,307; Jan. 7.
- Eble, Grover S., Belle Harbor, N. Y. Pipe fitting. 1,762,771; June 10.
- Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Insulating joint for cable sheaths. 1,760,546; May 27.
- Eby, Hugh H. (See MacFadden, Wilford C., assignor.)
- Eby, Ivan D., Richmond, N. Y. Boiler attachment. 1,760,588; May 27.
- Eby, Ivan D., Richmond, N. Y. Boiler attachment. 1,760,589; May 27.
- Echodon, Inc. (See Hutchison, Miller R., assignor.)
- Eckardt, Albin, San Francisco, Calif. Combination shade and ray filter. 1,775,275; Sept. 9.
- Eckardt, August H., and H. F. Harloff, assignors to Eckardt Manufacturing Company, St. Paul, Minn. Elevator for grain, etc. Re1,778,2; Aug. 26.
- Eckardt, August H., and H. F. Harloff, assignors to Eckardt Manufacturing Company, St. Paul, Minn. Elevator for grain, etc. 1,747,471; Feb. 18.
- Eckardt, Emil P. B., Stuttgart, Germany. Meter for compressed gas. 1,755,106; Apr. 15.
- Eckardt Manufacturing Company. (See Eckardt, A. H., and Harloff, assignors.)
- Eckart, George F., assignor to G. A. Chritton, trustee, Chicago, Ill. Differential. 1,780,745; Nov. 4.
- Eckart, George F., assignor to G. A. Chritton, Chicago, Ill., trustee. Flexible coupling. 1,783,158; Nov. 25.
- Eckart, William F., Chicago, Ill. Trolley anchor. 1,776,967; Sept. 30.
- Eckelman, Albert J., Portland, Oreg. Spoon-holding clip. 1,752,522; Apr. 1.
- Ecker, Edward H., New York, N. Y. Dental attachment for removable bridgework. 1,764,781; June 17.
- Ecker, Mathilda. (See Mandy, James, assignor.)
- Ecker, Will J., jr., St. Louis, Mo. Card case. 1,759,980; May 27.
- Ecker, Will J., jr., assignor of one-half to A. Bender, St. Louis, Mo. Engraving-press attachment. 1,760,049; May 27.
- Eckerbom, Gustaf, assignor to Stockholms Benmjölsfabriks Aktiebolag, Sandvik, near Stockholm, Sweden. Method to provide glue in small pieces in the shape of granules or drops with a coating of a powder as well as glue manufactured according to said method. 1,759,737; May 20.
- Eckerly, Edward W., assignor to Wm. Wrigley, Jr. Company, Chicago, Ill. Display stand for packaged confections. 1,757,076; May 6.
- Eckersley, James E., Aberdeen, assignor of one-half to A. Polson, Hoquiam, Wash. Feed-roll mechanism for veneer and shingle machines. 1,780,582; Nov. 4.
- Eckersley, James E., Aberdeen, assignor of one-half to A. Polson, Hoquiam, Wash. Shingle and veneer cutting machine. 1,785,439; Dec. 16.
- Eckert, Clarence R., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Pitch composition. 1,773,131; Aug. 19.
- Eckert, John A. (See Leety, H. E., Eckert, and Page.)
- Eckert, Wilhelm. (See Wulff, O., Sedlmayr, and Eckert.)
- Eckert, Wilhelm, Frankfort-on-the-Main-Hochst, and W. Kirst, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and material dyed therewith. 1,758,313; May 13.
- Eckert, Wilhelm, and H. Greuene, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Derivatives of 1,4,5,8-naphthalenetetracarboxylic acid and preparing it. 1,765,661; June 24.
- Eckert, Wilhelm, and H. Greuene, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Derivatives of 1,4,5,8-naphthalenetetracarboxylic acid and preparing it. 1,765,662; June 24.
- Eckhard, William K., Dunellen, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet-registering mechanism for printing machines. 1,780,348; Nov. 4.
- Eckhardt, Ph., & Co. (See Laprade, George A., assignor.)
- Eckland, Emil O., and W. H. Young, Chicago, Ill. Inking device. 1,750,955; Mar. 18.
- Eckland, Peter S., Minneapolis, Minn. Auxiliary seat for busses and the like. 1,776,583; Sept. 23.
- Eckler, Wilhelm, Altona-Ottensen, Germany. Nozzle for sand-blast apparatus. 1,755,575; Apr. 22.
- Eckley, Paul, Walnut Creek, Calif. Trifocal lens. 1,761,201; June 3.
- Eckman, Meril L., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Current-carrying device. 1,778,628; Oct. 14.
- Eckstein, Al, Far Rockaway, N. Y. Combination night-gown and pajamas or similar article. Des. 82,141; Sept. 30.
- Eckstein, Gustav, Barmen, Germany. Making double-sided molds. 1,781,451; Nov. 11.
- Eckstein, Oliver W. (See Wells, L., and Eckstein.)
- Eckstein, Reuben, New York, N. Y. Decorative lighting outfit. 1,752,662; Apr. 1.
- Eckstein, Reuben, Bronx, and M. Polis, Brooklyn, N. Y. Electrical connecting device. 1,762,163; June 10.
- Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)
- Eclipse Electric Company. (See Broadfoot, James D., assignor.)
- Eclipse Machine Company. (See Chilton, Roland, assignor.)
- Eclipse Machine Company. (See Kinney, J. Stanley, assignor.)
- Eclipse Machine Company. (See Lansing, Raymond P., assignor.)
- Eclipse Machine Company. (See Marcus, Charles, assignor.)
- Eclipse Machine Company. (See McGrath, William L., assignor.)
- Eclipse Machine Company. (See Mylius, Walter G., assignor.)
- Eclipse Machine Company. (See Whitney, Maurice P., assignor.)
- Eclipse Machine Company. (See Richards, Julius H., assignor.)
- Eclipse Machine Company. (See Van Ness, Henry E., assignor.)
- Eclipse Machinery Company, The. (See Glosch, Frederick P., assignor.)
- Eclipse Petrol Economiser System Company, The. (See Godward, Ernest R., assignor.)
- Eclipse Textile Devices, Inc. (See Garey, J. P., and Hasbrouck, assignors.)
- Eclipse Textile Devices Incorporated. (See Gere, Ward N., assignor.)
- Eclipse Textile Devices, Inc. (See Hasbrouck, Louis B., assignor.)
- Eclipse Textile Devices Incorporated. (See Johnston, James S., assignor.)
- Eclipse Textile Devices, Inc. (See Uttrich, Louis A., assignor.)
- Ecoff, Vance. (See Norviel, H. E., and Ecoff.)
- Econoheet Company. (See Becker, Aloysius W., assignor.)
- Economic Machinery Company. (See Ekvall, Arvid J., assignor.)
- Economy Aluminum Company. (See Bremer, William S., assignor.)
- Economy Baler Company. (See MacLean, J. H., and Heinzman, assignors.)
- Economy Engineering Company, The. (See Andrews, F. O., and Steinfurth, assignors.)
- Economy Fuse and Manufacturing Company. (See Cuthbert, John, assignor.)
- Economy Fuse and Manufacturing Company. (See Feldkamp, Frederick A., assignor.)
- Economy Fuse & Manufacturing Co. (See Gordon, David D., assignor.)
- Economy Fuse and Manufacturing Company. (See Lindsay, William, assignor.)
- Economy Governor Company. (See Pickering, F. M., and Ford, assignors.)
- Economy Irrigation Company. (See Todd, William C., assignor.)
- Economy Oil Slot Piston Company. (See Moore, Fred M., assignor.)

- Economy Products Corporation. (See Sawyer, David P., assignor.)
- Economy Products Corporation. (See Woodjard, Guy L., assignor.)
- Economy Pump and Oil Tool Company. (See Taylor, James W., assignor.)
- Ecremeuses Melotte, Societe Anonyme. (See Henrard, Fernand, assignor.)
- Edahl, Knute, Chicago, Ill. Refrigerator car. 1,781,169; Nov. 11.
- Eddins, Sextus A., and G. M. Hannigan, Quincy, assignors to Cordo-Hyde Company, Brockton, Mass. Shoe-tree. 1,776,831; Sept. 30.
- Eddy, Charles W., East Providence, R. I. Type-casting machine. 1,750,166; Mar. 11.
- Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method of and apparatus for dehydrating petroleum oil. 1,779,695; Oct. 28.
- Eddy, Harold F. (See Keenan, W. F., jr., and Eddy.)
- Eddy, Lawrence R., Manasquan, N. J. Pincushion for spools. 1,742,696; Jan. 7.
- Eddy, Norman, A. J. Carmichael, H. F. Thurber, and O. Balzano, assignors to The Greist Manufacturing Company, New Haven, Conn. Portable lamp. 1,756,942; May 6.
- Eddy, R. M., Foundry Company. (See Simonsen, Edward H., assignor.)
- Eddystone Cement Corporation. (See Wilner, Elias R., assignor.)
- Edele, Harry H., St. Louis, Mo. Driving and steering mechanism for children's vehicles. 1,743,121; Jan. 14.
- Edeleanu Gesellschaft, m. b. H. (See Edeleanu, Lazar, assignor.)
- Edeleanu, Lazar, Berlin-Charlottenburg, Germany, assignor to Edeleanu Gesellschaft, m. b. H., Berlin, Germany. Deodorizing petroleum hydrocarbon distillates. 1,776,752; Sept. 23.
- Edeleanu, Lazar, Berlin-Charlottenburg, Germany, assignor to Edeleanu Gesellschaft, m. b. H., Berlin, Germany. Manufacture of lubricating oils. 1,776,753; Sept. 23.
- Edelman, Philip E., assignor to E. Banning, Chicago, Ill. Radio power supply device. 1,753,920; Apr. 8.
- Edelman, Philip E., assignor to E. Banning, Chicago, Ill. Radio power supply device. 1,753,921; Apr. 8.
- Edelman, Philip E., assignor to E. Banning, Chicago, Ill. Acoustic condenser. 1,759,809; May 20.
- Edelman, Philip E., assignor to E. Banning, Chicago, Ill. Condenser reproducer. 1,759,810; May 20.
- Edelman, Philip E., assignor to E. Banning, Chicago, Ill. Push-pull condenser speaker. 1,759,811; May 20.
- Edelman, Philip E., assignor to E. Banning, Chicago, Ill. Loud acoustic condenser. 1,767,656; June 24.
- Edelman, Philip E., assignor to Ephraim Banning, Chicago, Ill. Capacity reproducer. 1,767,657; June 24.
- Edelman, Philip E., assignor to E. Banning, Chicago, Ill. Electrical condenser. 1,770,465; July 15.
- Edelman, Philip E., assignor to E. Banning, Chicago, Ill. Polarized electrical couple. 1,773,665; Aug. 19.
- Edelman, Philip E., assignor to E. Banning, Chicago, Ill. Loud-speaker condenser. 1,776,112; Sept. 16.
- Edelman, Samuel, Philadelphia, Pa. Lamp or similar article. Des. 80,480; Feb. 11.
- Edelmann, E., & Co. (See Edelmann, Leo, assignor.)
- Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Protective device for hydrometers. 1,767,355; June 24.
- Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Specific gravity tester. 1,767,439; June 24.
- Edelmann, Otto, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control device. 1,759,046; May 20.
- Edelmann, Otto, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,763,138; June 10.
- Edelson, Leon. (See Mack, Carl E., assignor.)
- Edelson, Leon, et al. (See Winkler, Stephen, assignor.)
- Edelstein, Arnold, and G. Kis, Budapest, Hungary. Harness-controlling mechanism for looms. 1,759,047; May 20.
- Edelstein, Isidor B., Newark, N. J. Emblem or similar article. Des. 82,081; Sept. 23.
- Eden, Christopher G. (See Campbell, N. R., and Eden.)
- Edenburg, Ludwig, Mount Vernon, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical indicating instrument. 1,757,659; May 6.
- Eder, Robert, Zurich, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Sulphides of aromatic compounds and making same. 1,769,423; July 1.
- Edgar, Frank M., and J. B. Flynn, assignors to Terstedt Manufacturing Company, Detroit, Mich. Lever-control assembly. 1,763,690; June 17.
- Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Hob. 1,760,125; May 27.
- Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Micrometer device. 1,760,938; June 3.
- Edgar, Ray, et al. (See Wells, Don W., assignor.)
- Edgar, Rida M. (See Maxwell, William R., assignor.)
- Edgar, Robert, Los Angeles, Calif. Remote control apparatus for miniature boats. 1,773,973; Aug. 26.
- Edgecomb, Leon G., Pasadena, Calif. Device for bunting bars and muntings in sash and door constructions. 1,766,707; June 24.
- Edge Moor Iron Company. (See Marquand, Phillip, assignor.)
- Edge, Walter S., Pittsburgh, Pa. Device for the installation of steel reinforcement in concrete pavements. 1,760,350; May 27.
- Edge, Walter S., assignor to National Steel Fabric Company, Pittsburgh, Pa. Method of and apparatus for forming concrete roadways. 1,778,451; Oct. 14.
- Edge, W. C., Jewelry Co. (See Miller, Henry, assignor.)
- Edgecumbe, Joshua C., Westfield, N. J. Tool clutch. 1,777,829; Oct. 7.
- Edgerton-Dozier Corporation. (See Dozier, Daniel C., assignor.)
- Edgerton, Israel V., assignor to Palace Poultry Car Company, Chicago, Ill. Poultry car. 1,744,873; Jan. 28.
- Edgerton, Israel V., assignor to Palace Poultry Car Company, Chicago, Ill. Poultry car. 1,784,685; Dec. 9.
- Edgerton, Israel V., assignor to Palace Poultry Car Company, Chicago, Ill. Poultry car. 1,786,427; Dec. 30.
- Edgerton, Israel V., assignor to Palace Poultry Car Company, Chicago, Ill. Water tank for stock cars. 1,784,826; Dec. 16.
- Edgerton, Lloyd B., Narberth, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Apparatus for dissolving silicate of soda. 1,763,845; June 17.
- Edgewater Steel Company. (See Bell, Frank B., assignor.)
- Edgewater Steel Company. (See Bell, F. B., and Wikander, assignors.)
- Edgren, Ernst D., Los Angeles, Calif. Device for automatically supplying washing solutions to washing machines. 1,779,466; Oct. 28.
- Edgren, Fred E., Chicago, Ill. Straightedge for wall-paper trimmers. 1,781,499; Nov. 11.
- Edgren, John, Thayne, Wyo. Air-compressing coupling for engine cylinders. 1,782,718; Nov. 25.
- Ediger, Henry D., Henderson, Nebr. Corn-sheller blower. 1,766,492; June 24.
- Edison Electric Appliance Company. (See Boggs, Clarence E., assignor.)
- Edison Electric Appliance Company. (See Patten, Raymond E., assignor.)
- Edison Electric Appliance Company. (See Randolph, Charles P., assignor.)
- Edison Electric Appliance Company. (See Randolph, C. P., and McCormick, assignors.)
- Edison Electric Appliance Company. (See Simmons, Albert H., assignor.)
- Edison Electric Appliance Company. (See Uhl, Robert L., assignor.)
- Edison Storage Battery Company. (See Mitchell, Roy C., assignor.)
- Edison Storage Battery Company. (See Smith, Roscoe J., assignor.)
- Edison, Thomas A., Incorporated. (See Dunbar, Noel S., assignor.)
- Edison, Thomas A., Incorporated. (See Dunham, Le Roy S., assignor.)
- Edison, Thomas A., Incorporated. (See Durand, Nelson, C., assignor.)
- Edison, Thomas A., Incorporated. (See Edison, Thomas A., assignor.)
- Edison, Thomas A., Incorporated. (See Huenlich, Charles, assignor.)
- Edison, Thomas A., Incorporated. (See Richards, Edward M., assignor.)
- Edison, Thomas A., Incorporated. (See Schallis, C. A., and Dann, assignors.)
- Edison, Thomas A., Incorporated. (See Smith, B. M., and Dann, assignors.)
- Edison, Thomas A., Llewellyn Park, West Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Mounting for diaphragms of sound boxes. 1,744,533; Jan. 21.
- Edison, Thomas A., Llewellyn Park, West Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Production of molded articles. 1,744,534; Jan. 21.
- Edison, William L., assignor to The W. L. Edison Manufacturing Corporation, Wilmington, Del. Signaling system. 1,750,954; Mar. 18.
- Edison, W. L., Manufacturing Corporation, The. (See Edison, William L., assignor.)
- Edland, Ingval, Monitor, Oreg. Feed mixer. 1,762,654; June 10.
- Edlich, Paul, Delawanna, N. J. Fabric-rubbing roller. 1,753,201; Apr. 8.
- Edlin, George S., and H. H. Stewart, Auckland, New Zealand. Internal-combustion engine. 1,772,988; Aug. 12.
- Edlin, Walter F., Union City, N. J. Nursing-bottle heater. 1,785,438; Dec. 16.
- Edmonds, John W., Newton Highlands, assignor, by mesne assignments, to Central Railway Signal Company, Inc., Newton, Mass. Support for time burning signals and other pyrotechnical devices. 1,776,354; Sept. 23.
- Edmiston, Hugh C. (See Parkinson, George L., assignor.)
- Edmond, Oscar G., assignor of one-half to White Pine Sash Company, Spokane, Wash. Mortising machine. 1,748,213; Feb. 25.
- Edmonds, Edward, Seattle, Wash. Display tag. 1,745,529; Feb. 4.
- Edmonds, George P., assignor to G. & W., Electric Specialty Co., Chicago, Ill. Single-conductor disconnecter. 1,762,509; June 10.
- Edmonds, George P., assignor to G. & W., Electric Specialty Co., Chicago, Ill. Pothead. 1,762,510; June 10.
- Edmonds, George P., assignor to G. & W., Electric Specialty Company, Chicago, Ill. Pothead device. 1,771,881; July 29.

- Edmonds, John H., assignor of one-third to J. E. Bellam, Seattle, Wash. Valve. 1,783,329; Dec. 2.
- Edmonds, John T., Fort Stockton, Tex. Shallow-water boat. 1,749,276; Mar. 4.
- Edmondson, Morton H., Greenville, Tex. Work-illuminating device. 1,743,535; Jan. 14.
- Edmunds, Glenn E., Franklin, assignor to The Bonney-Floyd Company, Columbus, Ohio. Journal-box mounting. 1,754,744; Apr. 15.
- Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Conveyer. 1,764,288; June 17.
- Edmunds, Howard M., New York, N. Y., and E. H. Waring, Essex Fells, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Change-speed gear. 1,782,756; Nov. 25.
- Edmunds, Louis L., Crockett, Calif. Continuous cube-drying oven. 1,770,102; July 8.
- Edmunds, Stanley H., Detroit, Mich. Method and apparatus for making articles from a plastic substance. 1,750,748; Mar. 18.
- Edmundson, Marjorie C., San Pedro, Calif. Surgical bandage. 1,785,831; Dec. 23.
- Edna Brass Manufacturing Company, The. (See Snyder, W. Earl, assignor.)
- Edsall, William S., Brookline, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Motor-control switch. 1,784,226; Dec. 9.
- Edser, Edwin. (See Fowler, S., and Edser.)
- Edson, Elmer R., Portland, Oreg. Safety railway truck. 1,764,941; June 17.
- Edson, John W., Cambridge, H. S. Stone, Walpole, and D. B. Arnold, Brookline, Mass., assignors to Eastern Expanded Metal Company, Cambridge, Mass. Method and apparatus for making lath material. 1,765,571; June 24.
- Edson, William R., New York, N. Y., assignor, by mesne assignments, to The Rubber Shock Insulator Corporation, Wilmington, Del. Mounting for electric conductors. 1,786,937; Dec. 30.
- Edson, William W., Newtonville, Mass. Electrical relay. 1,772,479; Aug. 12.
- Educational Card & Game Corporation. (See Wolfe, Everett K., assignor.)
- Edward, Carl. (See Freeland, Albert M., assignor.)
- Edwards, Alberta S., Plandome, N. Y. Hall rack. Des. 81,871; Aug. 26.
- Edwards, Alrah B., Abilene, Tex. Automatic hose winder. 1,746,995; Feb. 11.
- Edwards, Arthur J., deceased, Cambridge, assignor of one-half to G. N. Goddard, Newton, Mass.; P. F. Edwards, administrator. Dieing out rubber heels. 1,750,708; Mar. 18.
- Edwards, Charles B., Mount Clemens, Mich. Listing machine. 1,780,295; Nov. 4.
- Edwards, Charles R., Houston, Tex. Pipe-pulling machine. 1,781,918; Nov. 18.
- Edwards, Clarence G., Los Angeles, Calif. Counterthrust-pressure motor. 1,748,641; Feb. 25.
- Edwards, Clarence G., Los Angeles, Calif. Counterthrust-pressure air-cooled motor. 1,748,642; Feb. 25.
- Edwards, Clarence G., Los Angeles, Calif. Counterthrust-pressure motor. 1,752,899; Apr. 1.
- Edwards, Earl E., assignor to The Sealy Corporation, Houston, Tex. Mattress and the like. 1,745,892; Feb. 4.
- Edwards, Earl E., assignor to The Sealy Corporation, Houston, Tex. Mattress. 1,745,986; Feb. 4.
- Edwards, Earl S., Pennington, assignor to Panelyte Corporation, Trenton, N. J. Manufacture of fiber board. 1,778,147; Oct. 14.
- Edwards, Edward J., assignor to S. Karpen & Bros., Chicago, Ill. Apparatus for destroying moths. 1,743,660; Jan. 14.
- Edwards, Frank W., assignor to The Chicago Lubricator Company, Chicago, Ill. Lubricator. 1,768,516; June 24.
- Edwards, Frank W., assignor to The Chicago Lubricator Company, Chicago, Ill. Auxiliary valve for locomotives. 1,867,515; June 24.
- Edwards, George, Livingston, Mont. Combined massage and bath brush. 1,746,075; Feb. 4.
- Edwards, George W., assignor to Sunset Gold Packing Company, Oakland, Calif. Machine for extracting juice from citrous fruits. 1,764,158; June 17.
- Edwards, Harold. (See Finnegan, H. L., and Lanham, assignors.)
- Edwards, Harold C., Kansas City, Mo. Radiocabinet or similar article. Des. 82,662; Dec. 2.
- Edwards, Henry J., assignor to The Willys-Overland Company, Toledo, Ohio. Valve sleeve for internal-combustion engines. 1,748,064; Feb. 25.
- Edwards, Henry J., assignor to The Willys-Overland Company, Toledo, Ohio. Sleeve valve. 1,759,445; May 20.
- Edwards, Herbert E., Brookline, assignor to T. J. Edwards, Incorporated, Boston, Mass. Marking device. 1,753,884; Apr. 8.
- Edwards Iron Works, Inc. (See Edwards, John S., assignor.)
- Edwards Iron Works, Incorporated. (See Edwards, William H., assignor.)
- Edwards, Isaac L., Aurora, Ill. Antiglare headlight. 1,747,819; Feb. 18.
- Edwards, James H., Passaic, N. J. Steel building-frame construction. 1,757,359; May 6.
- Edwards, James H., Passaic, F. T. Llewellyn, Montclair, N. J., and R. A. Marble, Ben Avon, Pa. Series and groups of I-beams. 1,786,938; Dec. 30.
- Edwards, James H., Passaic, N. J., and Robert A. Marble, Ben Avon, Pa. Structural member. 1,768,833; July 1.
- Edwards, John S., assignor to Edwards Iron Works, Inc., South Bend, Ind. Building panel. 1,773,175; Aug. 19.
- Edwards, Junius D., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Balloon envelope. 1,749,474; Mar. 4.
- Edwards, Lewis E., Huntington Park, Calif. Engine valve. 1,750,995; Mar. 18.
- Edwards, Lowi, Boston, Mass. Lifeboat-handling mechanism. 1,746,109; Feb. 4.
- Edwards Manufacturing Company, The. (See Richmond, Samuel, assignor.)
- Edwards, Neilson, Red Bank, N. J., assignor to Triplex Safety Glass Company of North America, Clifton, N. J. Separation of laminated glass. 1,772,800; Aug. 12.
- Edwards, O. M., Company, The. (See Armstrong, Henry, assignor.)
- Edwards, O. M., Company, The. (See Chaffee, Edward F., assignor.)
- Edwards, O. M., Company, Inc., The. (See Axe, Roy T., assignor.)
- Edwards, Patrick F., administrator. (See Edwards, Arthur J.)
- Edwards, Robert, Martins Ferry, Ohio. Mechanism for opening sheets. 1,754,852; Apr. 15.
- Edwards, Robert S., Brookline, Mass., assignor to Rumford Chemical Works, Providence, R. I. Preparing by-product calcium sulphate for plaster. 1,756,637; Apr. 29.
- Edwards, Robert S., Milton, Mass., assignor to Rumford Chemical Works, Providence, R. I. Producing plaster from by-product calcium sulphate. 1,770,367; July 8.
- Edwards, Rubie, Fort Slocum, N. Y. Submarine rescuing device. 1,786,109; Dec. 23.
- Edwards, Sherman T., Chicago, Ill. Measuring feeder. 1,763,139; June 10.
- Edwards, T. J., Incorporated. (See Edwards, Herbert E., assignor.)
- Edwards, Vere B., Moon Township, Allegheny County, and G. F. Wolfe, Coraopolis, Pa., assignors to The Dravo Contracting Company. Bridge-building apparatus. 1,785,023; Dec. 16.
- Edwards, W. H. L., et al. (See Grover, George E., assignor.)
- Edwards, Will, Jacksonville, Ill. Attachment for lawn mowers. 1,753,558; Apr. 8.
- Edwards, William A., Chicago, Ill. Fuel mixer. 1,755,289; Apr. 22.
- Edwards, William A., Chicago, Ill. Carburetor. 1,761,074; June 3.
- Edwards, William A., Chicago, Ill. Carbureting device. 1,771,530; July 29.
- Edwards, William A., Chicago, Ill. Fuel-mixture forming and feeding apparatus for internal-combustion engines. 1,771,531; July 29.
- Edwards, William C., jr., Kansas City, Mo. Combination harvester, thrasher, and separator. 1,764,040; June 17.
- Edwards, William C., jr., Kansas City, Mo. Combination harvester thrasher. 1,764,041; June 17.
- Edwards, William D., Manderson, Wyo. Cultivator attachment. 1,747,291; Feb. 18.
- Edwards, William H. (See Galasso, Humbert A., assignor.)
- Edwards, William H. (See Niles, E. W., and Edwards.)
- Edwards, William H., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Meter. 1,749,023; Mar. 4.
- Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Oscillation generator. 1,775,752; Sept. 16.
- Edwards, William H., assignor to Edwards Iron Works, Incorporated, South Bend, Ind. Truck-body partition. 1,764,615; June 17.
- Edwards, William K., Big Spring, Tex. Grip tester. 1,759,394; May 20.
- Edwards, William M., assignor to Addison Investment Company, Los Angeles, Calif. Rotary valve mechanism. 1,777,464; Oct. 7.
- Edwards, William W., Los Angeles, Calif. Guard and workholder for planers. 1,744,874; Jan. 28.
- Edwards, William W., Los Angeles, Calif. Guard and workholder for planers. 1,744,875; Jan. 28.
- Edwards, William W., Los Angeles, Calif. Saw guide. 1,783,330; Dec. 2.
- Eells, Milton M., Chicago, Ill., assignor, by mesne assignments, to W. T. Lewis, Racine, Wis. Tuner. 1,755,982; Apr. 22.
- Eerkes, Herbert, Lynden, Wash. Dispensing apparatus. 1,778,589; Oct. 14.
- Eesti Patendi Aktsiaselts. (See Kulzinski, Matislav, assignor.)
- Efcelite Corporation. (See von Nessen, Walter, assignor.)
- Effing, Paul. (See Stock, J. J. F., and Effing.)
- Effront, Jean. (See Boidin, A., and Effront.)
- Egal Metal Products Company. (See Robe, Walten B.)
- Egan, Edgar, Meadow Grove, Nebr. Incubator. 1,741,697; Mar. 4.
- Egan, George F., Jersey City, N. J. Display device. 1,768,675; July 1.
- Egan, George F., Jersey City, N. J. Sewer construction. 1,774,793; Sept. 2.

- Egarsol Glareless Reflector Co. Ltd., The. (See Linton, R., and Jarvis, assignors.)
- Egbert, Charles C., Niagara Falls, N. Y. Implement for filling farinaceous tubular rolls. 1,743,197; Jan. 14.
- Egbert, Charles C., Niagara Falls, N. Y. Implement for filling farinaceous tubular rolls with food products. 1,767,918; June 24.
- Eger, Ernst, assignor to Morgan and Wright, Detroit, Mich. Testing machine. 1,762,164; June 10.
- Egerer, August. (See Augstein, A. M., and Egerer.)
- Egerer, August, Great Neck, assignor to S. Augstein & Co., New York, N. Y. Sweater or article of similar nature. Des. 80,258; Jan. 7.
- Egerer, August, Great Neck, N. Y., assignor to S. Augstein & Co., New York, N. Y. Sweater or article of similar nature. Des. 80,885; Apr. 8.
- Egerer, August, Great Neck, assignor to S. Augstein & Co., New York, N. Y. Sweater or article of similar nature. Des. 81,128; May 13.
- Egersdörfer, Fritz, Charlottenburg, Germany. Fuel pump for internal-combustion engines. 1,772,828; Aug. 12.
- Egerton, Alfred C., Oxford, assignor to Asiatic Petroleum Company, Limited, London, England. Nonknocking motor fuel. 1,771,169; July 22.
- Egg, Hartmann, Zurich, assignor to the firm Maschinenfabrik Oerlikon, Oerlikon, near Zurich, Switzerland. Vacuum switch for alternating current. 1,750,581; Mar. 11.
- Eggenweiler, Charles W., assignor to Bohn Aluminum and Brass Corporation, Detroit, Mich. Broaching machine. 1,749,761; Mar. 11.
- Eggenweiler, Charles W., and W. J. Fiegel, Detroit, Mich., assignor, by mesne assignments, to Bohn Aluminum & Brass Corporation. Broaching machine. 1,772,801; Aug. 12.
- Eggers, Heinrich, Bremen-Weser, Germany, assignor of five per cent to A. Orgovan, five per cent to O. S. Leszay, New York, and five per cent to I. Matusoff, Brooklyn, N. Y. Manufacture of paper from plant fiber. 1,782,382; Nov. 18.
- Eggers-O'Flyng Company. (See Lane, William D., assignor.)
- Eggert, Gustav B., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Mixing and kneading machine. 1,763,292; June 10.
- Eggert, John, Leipzig, Richard Schmidt, and Bruno Wendt, Dessau-in-Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Light-sensitive layer and making photographic images. 1,782,259; Nov. 18.
- Eggert, William H., assignor to Zarembo Company, Buffalo, N. Y. Treating mercerizing solution. 1,743,122; Jan. 14.
- Eggerts, Albert C. (See Zacharias, Fred, assignor.)
- Eggleston, Lewis W., Clarence Township, Erie County, assignor to American Radiator Company, New York, N. Y. Burner-control means. 1,751,688; Mar. 25.
- Eggleston, Lewis W., Clarence Township, Erie County, assignor to American Radiator Company, New York, N. Y. Solenoid-operated valve. 1,772,443; Aug. 5.
- Eggleston, Lewis W., Detroit, Mich., assignor to American Radiator Company, New York, N. Y. Air valve. 1,777,274; Sept. 30.
- Egli, Arnold, Hamburg, Germany. Form cylinder for intaglio printing. 1,774,256; Aug. 26.
- Egli, Ernst, assignor to Maschinenfabrik Rütli vormals Casper Honegger, Rütli, Switzerland. Shuttle-guard device for shuttles without threading devices for automatic looms. 1,782,604; Nov. 25.
- Eglinton, Lillie, Featherston, Wellington, New Zealand. Passing light. 1,763,555; June 10.
- Eglinton, William L., Glendale, Calif. Road-map-exhibiting apparatus for motor vehicles. 1,749,243; Mar. 4.
- Egloff, Gustav. (See Morrell, J. C., and Egloff.)
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oil. 1,751,731; Mar. 25.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking oil. 1,766,331; June 24.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking oil. 1,766,986; June 24.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,766,987; June 24.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for converting hydrocarbons. 1,767,838; June 24.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for treating hydrocarbons. 1,751,729; Mar. 25.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking oil. 1,751,730; Mar. 25.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking oil. 1,759,446; May 20.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Converting oil. 1,765,663; June 24.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating oils. 1,767,839; June 24.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Cracking resins. 1,783,230; Dec. 2.
- Egloff, Gustav, and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbons. 1,748,065; Feb. 25.
- Egloff, Gustav, and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Converting petroleum oil. 1,783,231; Dec. 2.
- Egly, Georg, Berlin, assignor to Gebrüder Siemens & Co., Berlin-Lichtenberg, Germany. Manufacture of resistor rods with thickened portions. 1,778,665; Oct. 14.
- Egly, George C., Bensalem Township, Bucks County, Pa. Knitting needle. 1,752,155; Mar. 25.
- Egry Register Company, The. (See Bartholdi, Henry, assignor.)
- Egry Register Company, The. (See Jackson, Philip A., assignor.)
- Egry Register Company, The. (See Pfeiffer, Frank E., assignor.)
- Egry Register Company, The. (See Pfeiffer, William C., assignor.)
- Eguiluz, Benito, New York, N. Y. Swimming apparatus. 1,777,749; Oct. 7.
- Ehlenbeck, Alfred, Vohwinkel, Germany. Process of and device for making spring insertions for cushions and the like. 1,761,711; June 3.
- Ehler, Temothous M., Slater, Mo. Clear-vision device. 1,773,424; Aug. 19.
- Ehler, Temothous M., Slater, Mo. Leak-sealing compound. 1,777,606; Oct. 7.
- Ehlers, Carl H., Penfield, assignor to The Atlantic Refining Company, Philadelphia, Pa. Closure apparatus. 1,756,976; May 6.
- Ehlers, Carl H., Penfield, assignor to The Atlantic Refining Company, Philadelphia, Pa. Liquid-dispensing system. 1,762,965; June 10.
- Ehlers, Clarence W., Junction City, Kans. Farm gate. 1,765,217; June 17.
- Ehlers, Edward, Montclair, N. J. Fire-escape railing structure. 1,742,202; Jan. 7.
- Ehlig, Harry. (See Swart, G. R., and Ehlig.)
- Ehlig, Harry, Pearl River, assignor, by mesne assignments, to Dexter Folder Company, New York, N. Y. Sheet feeder. 1,783,962; Dec. 9.
- Ehmer, Johann M., Beierfeld, Germany, assignor to Geo. Borgfeldt & Co., New York, N. Y. Casing for talking machines. 1,757,518; May 6.
- Ehrenfeld, Ralph, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Lubricating device. 1,749,574; Mar. 4.
- Ehrenfeld, Ralph, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Lamp support. 1,763,226; June 10.
- Ehrenfeld, Ralph, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Motor-starting means. 1,768,996; July 1.
- Ehrenfeld, Ralph, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Lubricating device. 1,783,535; Dec. 2.
- Ehrenreich, Alfred, London, England. Leather and process for obtaining same. 1,758,564; May 13.
- Ehrenreich, Alfred, London, England. Treatment of fish skins. 1,762,053; June 3.
- Ehrenzweig, Gustav, New York, N. Y. Textile fabric. Des. 80,410; Jan. 28.
- Ehrenzweig, Gustav, New York, N. Y. Textile fabric. Des. 80,411; Jan. 28.
- Ehrenzweig, Gustav, New York, N. Y. Textile fabric. Des. 81,089; May 6.
- Ehret, Conrad, Oklahoma City, Okla. Glare shield. 1,749,181; Mar. 4.
- Ehret, Conrad, Oklahoma City, Okla. Thief-hole cover. 1,781,722; Nov. 18.
- Ehret, John E., Berkeley, Calif. Drain trap. 1,760,126; May 27.
- Ehrhardt, Alfred. (See Luettringhaus, A., Nawiasky, and Ehrhardt.)
- Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Condenser. 1,764,716; June 17.
- Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Condenser. 1,764,782; June 17.
- Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Condenser. 1,780,781; Nov. 4.
- Ehrhart, William, Lancaster, Pa. Baking apparatus. 1,751,312; Mar. 18.
- Ehrhart, William, Lancaster, Pa. Return apparatus. 1,752,979; Apr. 1.
- Ehrhart, William, Lancaster, Pa. Apparatus for treating pretzels, crackers, and the like. 1,759,608; May 20.
- Ehrhart, William, Lancaster, Pa. Baking apparatus. 1,786,485; Dec. 30.
- Ehrlich, Jacob, Belleville, assignor to Verona Chemical Co., Newark, N. J. Production of propenyl derivatives of aromatic hydrocarbons. 1,787,036; Dec. 30.
- Ehrlich, John B., Portland, Oreg. Range. 1,746,931; Feb. 11.
- Ehrlich, Rose, assignor to The Lapin Specialty Mfg. Co., Inc., New York, N. Y. Hair waver. 1,775,991; Sept. 16.
- Ehrlinger, Edmund P., Janesville, Wis. Power-driven mitering machine for printers. 1,751,137; Mar. 18.
- Ehrmann, Friedrich, Feuerbach, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Forming compound metal bodies. 1,771,620; July 29.

- Ehrsam, Frederick, Reading, Pa. Combined window and ventilator. 1,777,198; Sept. 30.
- Eiben, Michael A., Cleveland, Ohio. Rapping machine for dust collectors. 1,751,138; Mar. 18.
- Eichenauer, John. (See Machemer, William W., assignor.)
- Eichenauer, Konrad, Neu-Rossen, near Merseburg, assignor to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Calculating machine for all species. 1,773,392; Aug. 19.
- Eichenbaum, Irving A., New York, N. Y. Hat-making machine. 1,783,112; Nov. 25.
- Eichenberger, Erwin, Detroit, Mich. Information-display mechanism. 1,757,360; May 6.
- Eichenberger, Ferdinand, Aarau, Switzerland, assignor by mesne assignments, to Globar Corporation, Niagara Falls, N. Y. Producing electrical-resistance elements. 1,765,572; June 24.
- Eichenberger, Ferdinand, Aarau, Switzerland, assignor to Globar Corporation, Niagara Falls, N. Y. Electrolytic rectifier. 1,765,573; June 24.
- Eichenberger, Robert W., Chicago, Ill., assignor to Robins Conveying Belt Company, Passaic, N. J. Cargo-unloading apparatus for vessels. 1,776,420; Sept. 23.
- Eichhorn, Wilhelm, Frankfurt-on-the-Main, assignor of one-half to the firm F. L. Fischer, Freiburg, Breisgau, Germany. Artificial-foot joint. 1,779,765; Oct. 28.
- Eichner, Laurits C., Bloomfield, assignor to Dressel Railway Lamp & Signal Company, Arlington, N. J. Switch and lamp support. 1,757,177; May 6.
- Eichorn, Albert, & Son. (See Huebner, Harry G., assignor.)
- Eichwede, Heinz. (See Wagner, H., Eichwede, and Fischer.)
- Eichwede, Heinz, and E. Fischer, Höchst-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Sulfoarylprazolonecarboxylic acid esters and making same. 1,766,813; June 24.
- Eickholt, Friedrich, Weisweid, Germany. Separator. 1,784,664; Dec. 9.
- Eickmeyer, Earl E. (See Hatmaker, W. T., and Eickmeyer.)
- Eickmeyer, Earl E., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Liquid-dispensing pump. Des. 82,734; Dec. 9.
- Eickmeyer, Earl E., assignor to The National Recording Pump Company, Dayton, Ohio. Liquid-measuring pump. 1,752,523; Apr. 1.
- Eickmeyer, Earl E., assignor to The Dayton Pump & Mfg. Company, Dayton, Ohio. Gasoline pump. 1,754,504; Apr. 15.
- Eickworth, Regnier, Essen, Germany. Gas burner. 1,760,050; May 27.
- Eide, Ole R., St. Paul, Minn. Mortar joint or seam fillers. 1,773,577; Aug. 19.
- Eiermann, William, Brooklyn, N. Y. Cold-water tube and cleaner for domestic boilers and heaters. 1,768,039; June 24.
- Eifel, Joseph, Chicago, Ill. Support or rest. 1,742,588; Jan. 7.
- Eifel, Joseph, Chicago, Ill. Loose sheet holder. 1,745,663; Feb. 4.
- Eifel, Joseph, Chicago, Ill. Display apparatus. 1,751,270; Mar. 18.
- Eigenbrot, Harry L., San Francisco, Calif. Sadiron. 1,753,559; Apr. 8.
- Eigenheer, Jakob, Vogelsang, near Turgi, Switzerland. Needle holder for the sound boxes of talking machines. 1,786,232; Dec. 23.
- Eight Wheel Motor Vehicle Company, The. (See Fageol, Rollie B., assignor.)
- Eiland, John, Taft, Calif. Mirror. 1,776,496; Sept. 23.
- Eilenberg, Gilbert. (See Eilenberg, Sigmund and G.)
- Eilenberg, Sigmund and G., Brooklyn, N. Y. Photographic apparatus. 1,771,844; July 29.
- Eilers, Frank B., Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company. Liquid-dispensing apparatus. 1,764,097; June 17.
- Eilers, Frank B., Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company. Liquid-dispensing apparatus. 1,783,916; Dec. 2.
- Eilers, Johann, Neusiedende Post Rastede, Germany. Web for swimming. 1,779,590; Oct. 28.
- Einfeldt, Ernest E., Davenport, Iowa, assignor to French & Hecht, Incorporated. Wheel structure. 1,753,237; Apr. 8.
- Einfeldt, Ernest E., assignor by mesne assignments, to French & Hecht, Incorporated, Davenport, Iowa. Conveying articles. 1,775,121; Sept. 9.
- Einfeldt, Ernest E., Davenport, Iowa, assignor to French & Hecht, Incorporated. Metal wheel and making the same. 1,780,704; Nov. 4.
- Einhorn, William M. (See Rabidoux, C. J., and Einhorn.)
- Einstein, Albert, Berlin, and L. Szilard, Berlin-Wilmersdorf, Germany, assignors to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,781,541; Nov. 11.
- Einstein, Robert E., assignor of St. Louis Frog & Switch Company, St. Louis, Mo. Railroad crossing. 1,748,600; Feb. 25.
- Einstein, Sol, assignor to Cincinnati Milling Machine Company, Cincinnati, Ohio. Profiler and miller. 1,766,115; June 24.
- Einstein, Sol, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,772,932; Aug. 12.
- Einstein, Sol, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding. 1,779,467; Oct. 28.
- Einstein, Sol, assignor by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Feeler for sizing. 1,779,807; Oct. 28.
- Einstein, Sol, and A. Turner, assignors, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Dead-center grinder. 1,749,328; Mar. 4.
- Einstein, Wladimir J. (See Baranowski, Kazimierz, assignor.)
- Eisel, Ralph C., assignor to Pittsburgh Garter Company, Pittsburgh, Pa. Man's garter. 1,758,392; May 13.
- Eisele, Charles W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Muffler. 1,781,001; Nov. 11.
- Eisele, Julius. (See Griessbach, R., and Eisele.)
- Eisele, Martin, Graymont, Ill. Pneumatic feeding device for thrashers. 1,749,475; Mar. 4.
- Eiseman, Robert J., assignor to The K-W Ignition Corporation, Cleveland, Ohio. Combined ignition transformer and fuel control. 1,767,058; June 24.
- Eisenberg, Semon, Savannah, Ga. Toothbrush. 1,784,986; Dec. 16.
- Eisenburger, Kuno, Bistrita, Rumania, assignor to the firm of Sulzer Frères Société Anonyme, Winterthur, Switzerland. Internal-combustion engine. 1,783,075; Nov. 25.
- Eisenhardt, Frank J., Waukegan, Ill., assignor by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Brake lining. 1,771,749; July 29.
- Eisenbauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Water softener. 1,749,422; Mar. 4.
- Eisenbauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Pump. 1,776,113; Sept. 16.
- Eisenbauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Pump. 1,776,786; Sept. 30.
- Eisenbauer, Harry D., Mount Ranier, Md. Piezo-electric crystal apparatus. 1,743,028; Jan. 7.
- Eisenhour, Bert E., Aurora, assignor by mesne assignments, to United Reproducers Corporation, St. Charles, Ill. Electrodynamic sound recorder and reproducer. 1,781,376; Nov. 11.
- Eisenhut, Otto. (See Gmelin, P., and Eisenhut.)
- Eisenhut, Otto, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Valuable products from coal, tars, mineral oils, and the like. 1,757,454; May 6.
- Eisenman, Arthur A. (See Gilbert, Peter J., assignor.)
- Eisenmann, Carl W., Nebraska City, Nebr., assignor to The Safety Car Heating & Lighting Company. Switch construction. 1,752,900; Apr. 1.
- Eisenmann, Karl, Ludwigshafen-on-the-Rhine, and F. Bergmann, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Magnetic core. 1,783,560; Dec. 2.
- Eisenmann, Karl, Ludwigshafen-on-the-Rhine, and F. Bergmann, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of improved magnetic cores. 1,783,561; Dec. 2.
- Eisenwerk und Maschinenbau Aktiengesellschaft. (See Hora, Max, assignor.)
- Eiserloh, Mathias, Cleveland, Ohio. Building construction. 1,757,077; May 6.
- Eisfeld, Emanuel M., assignor to Braeburn of Rochester, Inc., Rochester, N. Y. Necktie holder. Des. 82,419; Nov. 4.
- Eishhold, Karl. (See Schirmacher, K., and Eishold.)
- Eisleb, Otto. (See Jensch, H., and Eisleb.)
- Eisler, Henry G., Wilmette, Ill. Floor construction. 1,787,067; Dec. 30.
- Eisler, Henry G., Wilmette, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Rheostat. 1,742,462; Jan. 7.
- Eisler, Henry G., Wilmette, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Rheostat. 1,742,463; Jan. 7.
- Eiff, Rudolf, et al., executors. (See Mauser, Alfons.)
- Eitzen, August D., New York, N. Y. Controlling alternating currents. 1,752,944; Apr. 1.
- Ejbl, Ernest. (See Cole, Harry, assignor.)
- Ekelund, Sven C. G., Karskrona, Sweden. Process of and furnace for extracting metals from ores. 1,758,786; May 13.
- Ekholm, Carl G., and B. D. O. Westerlund, Lidköping, Sweden. Machine for grinding bodies of revolution. 1,777,607; Oct. 7.
- Ekholm, Herbert W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam structure. 1,784,896; Dec. 16.
- Ekle, Alexander C., Mankato, Minn. Spark-plug tester. 1,764,248; June 17.
- Eklind, Carl E., and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Car door. 1,745,846; Feb. 4.
- Eklöf, Max A., Chicago, Ill. Column clamp. 1,778,715; Oct. 21.
- Eklund, Alexander, Attleboro, Mass., assignor to General Chain Company, Providence, R. I. Wristband clasp. 1,742,464; Jan. 7.
- Ekman, Andrew, assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Reversible latch. 1,744,955; Jan. 28.
- Ekman, Andrew, Grand Rapids, assignor to Winters & Crampton Mfg. Co., Grandville, Mich. Refrigerator latch. 1,778,148; Oct. 14.

- Eksergian, Carolus L., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automatic spot-welding machine. 1,767,521; June 24.
- Ekstedt, Gustaf M., Gottenborg, Sweden. Device to be used in teaching music. 1,785,440; Dec. 16.
- Ekstrand, Edward B., West Somerville, Mass. Fuse plug. 1,782,719; Nov. 25.
- Ekstrom, Eric S., et al. (See Swenson, Carl E., assignor.)
- Ekstrom, Gustaf H., Rockford, assignor to C. P. Parker, trustee, Evanston, Ill. Pad holder for rubbing machines. 1,785,695; Dec. 16.
- Ekstromer, Edward C., San Francisco, Calif., assignor of one-half to J. F. Gallagher, Boston, Mass., and one-half to The Edward C. Ekstrom Corporation, Reno, Nev. Oil-well-pumping equipment. 1,772,539; Aug. 12.
- Ekstromer, Edward C., Corporation, The, et al. (See Ekstromer, Edward C., assignor.)
- Ekvall, Arvid P., assignor to Economic Machinery Company, Worcester, Mass. Bottle-straightening device. 1,786,939; Dec. 30.
- Ekvall, Arvid P., assignor to Economic Machinery Company, Worcester, Mass. Label wiper. 1,786,940; Dec. 30.
- Ekvall, Edward E., Elgin, assignor to The W. H. Howell Company, Geneva, Ill. Table frame. Des. 82,021; Sept. 16.
- Elam, Edwin E., New Orleans, La. System of farming and trapping muskrats. 1,778,629; Oct. 14.
- Elam, Oscar J., Muskegon, Mich. Hair-waving appliance. 1,776,968; Sept. 30.
- Elco Shoe Manufacturers, Inc. (See Lifschutz, Henry, assignor.)
- Elco Tool & Screw Corporation. (See Broberg, Elmer, assignor.)
- Eldeen Automatic Hosiery Mender Inc. (See Hoffman, Edward J., assignor.)
- Elder, Charles J., assignor to Columbus Bed Springs Manufacturing Company, Columbus, Ohio. Convertible furniture. 1,778,826; Oct. 21.
- Elder, Charles W., assignor of one-half to J. R. Bennett, Roy, Wash. Wrapping-paper-feed device. 1,746,582; Feb. 11.
- Elder, Hubert B., Louisville, Ky. Plotting instrument. 1,773,809; Aug. 26.
- Elder, John D., Catonsville, Md., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Drying-oven unit. 1,771,032; July 22.
- Elder, Jules H., Memphis, Tenn. Individual-pan-supporting device. 1,781,056; Nov. 11.
- Elder, Robert O., West Springfield, Mass. Gasket cutter. 1,746,463; Feb. 11.
- Elder & Robinson Co. (See Morrison, Robert F., assignor.)
- Elder, William J. (See Haferkamp, C. C., and Elder.)
- Elderkin, James K., Belleville, assignor to Forest Electric Company, Newark, N. J. Filter system. 1,773,304; Aug. 19.
- Eldridge, Charles H. (See Fink, C. G., and Eldridge.)
- Electrecorder Corporation. (See Cooney, Peter A., assignor.)
- Electric Alarm Co. Inc., The. (See Scott, Ernest E., assignor.)
- Electric Alarm Co., The. (See Scott, E. E., and Bridenbaugh, assignors.)
- Electrical Engineers Equipment Co. (See Christensen, Christen, assignor.)
- Electrical Engineers Equipment Co. (See Jacobs, Ernest H., assignor.)
- Electrical Engineers Equipment Co. (See Lotz, Alfred F. C., assignor.)
- Electrical Engineers Equipment Co. (See Steerup, Godfrey, assignor.)
- Electrical Improvements Limited. (See Beard, James R., assignor.)
- Electrical Improvements Limited. (See Grant, Lewis C., assignor.)
- Electrical Improvements Limited. (See Poynder, Herbert B., assignor.)
- Electrical Laboratories, Inc. (See Leupold, Henry G., assignor.)
- Electrical Research Products Inc. (See Reynolds, John L., assignor.)
- Electrical Testing Laboratories, Inc. (See Doyle, Edgar D., assignor.)
- Electrical Testing Laboratories, Inc. (See Smith, Hardick A., assignor.)
- Electric Appliance Company. (See Churchill, C. R., and Haynen, assignors.)
- Electric Arc Cutting and Welding Company. (See Rosskopf, Thomas, assignor.)
- Electric Auto-Lite Company, The. (See Gilchrist, Clarence F., assignor.)
- Electric Auto-Lite Company, The. (See Koos, Lawrence E., assignor.)
- Electric Auto Lite Company, The. (See Schwarzmans. W. E., and Rosner, assignors.)
- Electric Auto-Lite Company, The. (See Schwarzmans, W. E., and Strniste, assignors.)
- Electric Boat Company. (See Grieshaber, Hugo E., assignor.)
- Electric Boat Company. (See Grieshaber, H. E., Dunklee, and Trudeau, assignors.)
- Electric Boat Company. (See Nibbs, Ernest, assignor.)
- Electric Boat Company. (See Nibs, E., and Cable, assignors.)
- Electric Boat Company. (See Simpson, Robert C., assignor.)
- Electric Boat Company. (See Spear, Lawrence Y., assignor.)
- Electric Controller & Manufacturing Company, The. (See Jones, Fred L., assignor.)
- Electric Controller & Manufacturing Company, The. (See Mayne, Robert, assignor.)
- Electric Cotton Picker Co. (See Watkins, Benjamin F., assignor.)
- Electric Display Corporation. (See Stewart, J. E., and Horinstein, assignors.)
- Electric Furnace Company, The. (See Cope, Frank T., assignor.)
- Electric Machinery Mfg. Company. (See Hibbard, Charles T., assignor.)
- Electric Manufacturing Company, The. (See Levy, Henri G., assignor.)
- Electric Railway Equipment Company, The. (See Johnston, L., and Tice, assignors.)
- Electric Service Supplies Company. (See Darling, Lewis A., assignor.)
- Electric Service Supplies Company. (See Graham, Herbert J., assignor.)
- Electric Service Supplies Company. (See Lewis, Harry G., assignor.)
- Electric Service Supplies Company. (See Mageoch, Harry Y., assignor.)
- Electric Service Supplies Company. (See McFarlin, John R., assignor.)
- Electric Service Supplies Company. (See Osborne, David H., assignor.)
- Electric Service Supplies Company. (See Smith, William H., assignor.)
- Electric Sign Flasher Corporation. (See McCarron, Lewis H., assignor.)
- Electric Signal Company, The. (See Klein, Joseph W., assignor.)
- Electric Smelting & Aluminum Company, The. (See Cowles, Alfred H., assignor.)
- Electric Smelting & Aluminum Company, The. (See Howells, Lloyd T., assignor.)
- Electric Sprayit Company. (See Weiss, Theobald C., assignor.)
- Electric Steel Foundry Co. (See Nourse, Walter H., assignor.)
- Electric Steel Foundry Company. (See Younie, Lewis E., assignor.)
- Electric Tube Signs. (See Klotz, Lyman E., assignor.)
- Electric Vacuum Cleaner Company. (See Carson, Jesse F., assignor.)
- Electric Vacuum Cleaner Company. (See Darst, James M., assignor.)
- Electric Vacuum Cleaner Company. (See Morgal, John F., assignor.)
- Electric Vacuum Cleaner Company. (See Tuteur, Julius, assignor.)
- Electric Vulcanizing Rubber Company, The. (See Burke, Wilbur B., assignor.)
- Electric Wheel Company. (See Schooling, Luther L., assignor.)
- Electro Automatic Drainage Company, The. (See Van Keuren, Herbert, assignor.)
- Electro Company. (See Arnold, Charles E., assignor.)
- Electro Company. (See Moxham, Arthur J., assignor.)
- Electro Dialyzer Corporation. (See Cabrera, Charles T., assignor.)
- Electrolock Manufacturing Company, The. (See Andrew, Frederick W., assignor.)
- Electrolock Manufacturing Company, The. (See Andrew, F. W., and Hemingway, assignors.)
- Electrolux Serval Corporation. (See Einstein, A., and Szillard, assignors.)
- Electrolux Serval Corporation. (See Lenning, Alvar, assignor.)
- Electrolux Serval Corporation. (See Lenning, A., and Knight, assignors.)
- Electrolux Serval Corporation. (See Lenning, A., and Taylor, assignors.)
- Electrolux Serval Corporation. (See Munters, Carl G., assignor.)
- Electrolux Serval Corporation. (See Taylor, Robert S., assignor.)
- Electrolux Serval Corporation. (See von Platen, B. C., and Munters, assignors.)
- Electromaster, Inc. (See Noble, Warren, assignor.)
- Electromatic Typewriters, Inc. (See Bardwell, Harold F., assignor.)
- Electromatic Typewriters, Inc. (See Thompson, Russell G., assignor.)
- Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
- Electro Metallurgical Company. (See Brennan, Joseph H., assignor.)
- Electro Metallurgical Company. (See George, Harry S., assignor.)
- Electro Metallurgical Co. (See Kinzel, Augustus B., assignor.)
- Electro Metallurgical Company. (See Marshall, James G., assignor.)
- Electro Metallurgical Company. (See Miller, Wilber B., assignor.)
- Electro Metallurgical Company. (See Norwood, Stanley M., assignor.)

- Electro Metallurgical Company. (See Plummer, Clayton E., assignor.)
- Electro Metallurgical Company. (See Read, William C., assignor.)
- Electro Metallurgical Co. (See Udy, Marvin J., assignor.)
- Electro-Metallurgical Ore Reduction, Limited. (See Wilder, F. L., Morris, Schiff, and King, assignors.)
- Electro-Mobile Corporation. (See Nueland, Alfons H., assignor.)
- Electro-Motive Company, The. (See Dilworth, R. M., and Niece, assignors.)
- Electro-Motive Instrument Co. (See Henze, P., and Gillberg, assignors.)
- Elektronmetall G. m. b. H. (See Wagner, Karl F., assignor.)
- Electron Relay Corporation, The. (See Cummings, William L., assignor.)
- Electrons, Inc. (See Meyer, F., and Spanner, assignors.)
- Electro Thermal Unit Company. (See Bressan, Anthony J., assignor.)
- Elevator Supplies Company. (See Shonnard, Harold W., assignor.)
- "Elfa" Elektrotechnische Fabrik G. m. b. H. (See Ruppel, Sigwart, assignor.)
- Elgan, John R., Los Angeles, Calif. Printer's wedding-stationery blank. Des. 82,011; Sept. 9.
- Elgin Butter Tub Company. (See Walstrom, Axel M., assignor.)
- Elgin, Eugene, et al. (See Grim, John W., assignor.)
- Elgin National Watch Company. (See Showalter, Victor E., assignor.)
- Elia, Giovanni E., Rome, Italy. Net for the capture of undersea boats and oversea ships. 1,772,888; Aug. 12.
- Elias, Albert I., Long Beach, assignor to Wise Shoes, Inc., New York, N. Y. Store front. Des. 82,804; Dec. 16.
- Elias, Amsih J., Decatur, Ill. Nut lock. 1,755,245; Apr. 22.
- Eliggi, Bartolemeo, San Francisco, Calif. Direction indicator. Des. 81,961; Sept. 9.
- Elio, Rocco, et al. (See Maehren, George, assignor.)
- Elite-Diamantwerke Aktiengesellschaft. (See Lesage, Alfred, assignor.)
- Elite Manufacturing Company. (See Countryman, Guy A., assignor.)
- Elithorpe, E. W. (See Strauss, Alfred J., assignor.)
- Elizondo, Rodolfo E., Monterrey, Mexico. Lamp. 1,780,746; Nov. 4.
- Elkhart Brass Manufacturing Company. (See Hansen, Albert E., assignor.)
- Elko Chemical Company. (See Schudel, George J., assignor.)
- Ellberg, John, New York, and M. Cronwall, Brooklyn, N. Y. Relief valve for heating systems. 1,779,228; Oct. 21.
- Ellenberger, Henry C., Detroit, Mich. Water hydrant. 1,754,310; Apr. 15.
- Eller, Fritz, Berlin-Wannsee, Germany. Coin-controlled sales apparatus. 1,784,585; Dec. 9.
- Eller, Wilhelm, and T. Madlung, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Desulphurizing articles consisting of regenerated cellulose. 1,786,941; Dec. 30.
- Ellerbeck, Ben B., Salt Lake City, Utah. Convertible automobile top. 1,784,279; Dec. 9.
- Ellerbusch, Hermann, Dortmund-Eving, Germany. Internal-combustion engine. 1,783,499; Dec. 2.
- Ellermyer, John. (See Heck, W. E., and Ellermyer.)
- Elley, Harold W., Wilmington, Del. Age-resisting rubber composition and preparing same. 1,763,615; June 10.
- Elley, Harold W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber composition and method of preserving rubber. 1,763,293; June 10.
- Elling, Jens W. A., Christiania, Norway. Gas turbine unit. 1,766,886; June 24.
- Ellinger, Albert E., Snyder, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric heater. Des. 82,490; Nov. 11.
- Ellinger, Flora, Milwaukee, Wis. Combined iron holder and card take-up. 1,762,966; June 10.
- Ellinger, Frits, assignor to Mijnbouw En Handelsmaatschappij, "Wonoh Gedeh," The Hague, Netherlands. Liberating iodine in iodine-containing mineral waters. 1,775,897; Sept. 16.
- Ellinger, John G., Stout, Iowa. Accelerator safety locking device and brake alarm. 1,752,336; Apr. 1.
- Ellinger, Julius B., Seattle, Wash. Mechanical animal. 1,766,116; June 24.
- Ellingson, Elling, San Francisco, Calif. Door-securing device. 1,744,456; Jan. 21.
- Ellingson, Elling, San Francisco, Calif. Door latch. 1,744,457; Jan. 21.
- Ellingson, Elling, San Francisco, Calif. Doorknob. 1,744,458; Jan. 21.
- Ellingson, Elling, San Francisco, Calif. Doorknob locking device. 1,755,434; Apr. 22.
- Ellingson, Elling, San Francisco, Calif. Marking and Salvaging device for sunken ships. 1,772,861; Aug. 12.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 82,236; Oct. 7.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 82,237; Oct. 7.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 82,416; Nov. 4.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 82,417; Nov. 4.
- Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 82,418; Nov. 4.
- Ellington, Ferdinand W., Queens County, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 82,469; Nov. 4.
- Ellinwood, George G., Philadelphia, Pa. Fastening device for wall boards. 1,772,417; Aug. 5.
- Elliott, John W. T., Allandale, Ontario, Canada. Lubricating device. 1,751,687; Mar. 25.
- Elliott, Albert G. (See Royce, F. H., Rowledge, and Elliott.)
- Elliott, Andrew, et al. (See Javins, Harry A., assignor.)
- Elliott, Charles H., assignor to Republic Iron and Steel Company, Youngstown, Ohio. Rolling strip metal. 1,754,745; Apr. 15.
- Elliott, Charles W., Seymour, Ind. Wood-bending machine. 1,754,549; Apr. 15.
- Elliott, Charles W., Seymour, Ind. Wood-bending machine. 1,783,187; Dec. 2.
- Elliott, Clarence E., and L. O. Nichols, Kansas City, Mo. Fruit-juice extractor. 1,743,661; Jan. 14.
- Elliott Company. (See Ehrhart, Raymond N., assignor.)
- Elliott Company. (See Forncrook, Lawrence M., assignor.)
- Elliott Company. (See MacNeill, George L., assignor.)
- Elliott Company. (See McDermet, John R., assignor.)
- Elliott, Edward O., Jenkintown, Pa. Locomotive truck. 1,774,361; Aug. 26.
- Elliott, Edward O., Jenkintown, Pa. Locomotive-boiler support. 1,784,787; Dec. 9.
- Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
- Elliott-Fisher Company. (See Gibson, Franklin C., assignor.)
- Elliott-Fisher Company. (See Pitman, Henry L., assignor.)
- Elliott-Fisher Company. (See Resch, Henry, assignor.)
- Elliott-Fisher Company. (See Schaaf, O. G., and Christiansen, assignors.)
- Elliott-Fisher Company. (See Steele, Herzert H., assignor.)
- Elliott-Fisher Company. (See Stickney, Burnham C., assignor.)
- Elliott-Fisher Company. (See Thieme, Otto, assignor.)
- Elliott-Fisher Company, The. (See Walter, Edward C., assignor.)
- Elliott, Frank L., Hildebran, N. C., assignor to Scott & Williams, Inc., New York, N. Y. Circular-knitting machine. 1,754,151; Apr. 8.
- Elliott, Frank M., Detroit, Mich. Snap-fastener stud. 1,782,293; Nov. 18.
- Elliott, Frederick T., Somerville, Mass. Shock absorber. 1,750,996; Mar. 18.
- Elliott, Frederick T., Somerville, Mass. Shock absorber. 1,767,059; June 24.
- Elliott, George F. (See Markley, J. W., and Elliott.)
- Elliott, Harmon P., Cambridge, Mass., assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Crane. 1,765,408; June 24.
- Elliott, Harold E., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Device for holding cutting tools. 1,776,281; Sept. 23.
- Elliott, Harold F., Camden, N. J., assignor to Victor Talking Machine Company. Radiopanel. Des. 80,886; Apr. 8.
- Elliott, Harold F., Palo Alto, Calif., assignor to Victor Talking Machine Company, Camden, N. J. Adjustable cam. 1,763,957; June 17.
- Elliott, Harold F., Palo Alto, Calif., assignor to Victor Talking Machine Company, Camden, N. J. Radio pick-up system. 1,768,196; June 24.
- Elliott, Harold H., Glencoe, assignor to Halsam Products Company, Chicago, Ill. Bottle stopper. 1,760,127; May 27.
- Elliott, Harry C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,781,500; Nov. 11.
- Elliott, Henry, Glasgow, Scotland. Handling, holding, storing, and displaying rolls of linoleum, fabric, and other material in the form of rolls. 1,750,582; Mar. 11.
- Elliott, Henry L., and R. A. Carroll, Claysville, assignors of one-third to T. W. Henderson, Washington, Pa. Ventilating apparatus. 1,782,890; Nov. 25.
- Elliott, Hugh F., St. Louis County, assignor to International Shoe Company, St. Louis, Mo. Toe box for boots or shoes. 1,776,421; Sept. 23.
- Elliott, Irwin, assignor to Universal Oven Company, Inc., New York, N. Y. Baking oven. 1,768,752; July 1.
- Elliott, Joseph H., assignor to The Cincinnati Car Corporation, Cincinnati, Ohio. Railway-car truck. 1,745,211; Jan. 28.
- Elliott, Lloyd B., San Francisco, Calif. Game apparatus. 1,747,065; Feb. 11.
- Elliott, Otto L., Westville, Okla. Road surfacer. 1,749,805; Mar. 11.
- Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Pump. 1,749,212; Mar. 4.
- Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Shaft coupling. 1,766,247; June 24.
- Elliott, William. (See Smethers, J. A., and Elliott.)
- Elliott, William C., Minco, and E. S. Henry, Medford, Okla. Adjustable high and low pressure switch alarm. 1,780,179; Nov. 4.

- Elliott, William S., Pittsburgh, Pa. Twin strainer. 1,758,565; May 13.
 Elliott, William S., Pittsburgh, Pa. Method and apparatus for deaerating and evaporating liquid. 1,758,566; May 13.
 Elliott, William S., Pittsburgh, Pa. Treatment of liquids. 1,776,019; Sept. 16.
 Elliott, William S., Pittsburgh, Pa. Condenser. 1,776,020; Sept. 16.
 Elliott, William S., Pittsburgh, Pa. Distilling apparatus. 1,782,959; Nov. 25.
 Ellis Adding Typewriter Company. (See Perkins, Nathan W., assignor.)
 Ellis, Albert J., Bolton, N. C. Hame connector. 1,753,045; Apr. 1.
 Ellis, Alvarado L. R., Swampscott, Mass., assignor to General Electric Company. Piezo-electric oscillator. 1,748,834; Feb. 25.
 Ellis, Arthur H., Rochester, Minn. Sign holder for automobile bodies. 1,752,591; Apr. 1.
 Ellis, Arthur H., assignor of one-third to C. Graham, Rochester, Minn. Luggage carrier. 1,748,282; Feb. 25.
 Ellis, Arthur L., New Rochelle, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn. Driving mechanism for rolling-mill wedges. 1,771,750; July 29.
 Ellis, Carleton. (See Ellis, C., and Meigs, assignors.)
 Ellis, Carleton, Montclair, N. J. Furfural-resin composition and making same. 1,771,033; July 22.
 Ellis, Carleton, Montclair, N. J. Film. 1,773,974; Aug. 26.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Primer containing synthetic products. 1,745,893; Feb. 4.
 Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Composition containing chlor rubber. 1,750,583; Mar. 11.
 Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Paint and varnish remover and making same. 1,759,154; May 20.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Beverage container. 1,778,937; Oct. 21.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Floor covering. 1,784,135; Dec. 9.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Floor-covering material and making same. 1,784,799; Dec. 9.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Floor covering and making same. 1,784,800; Dec. 9.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Floor covering and making same. 1,784,801; Dec. 9.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Textured floor covering and making same. 1,784,802; Dec. 9.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Light-colored floor covering and making same. 1,784,803; Dec. 9.
 Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Variegated floor covering and making same. 1,784,804; Dec. 9.
 Ellis, Carleton, and J. V. Meigs, assignors, by mesne assignments, to C. Ellis, Montclair, N. J. Chemical product and making same. 1,756,817; Apr. 29.
 Ellis, Carleton, and J. V. Meigs, Montclair, N. J.; said Meigs assignor, by mesne assignments, to said Ellis. Chemical product and producing same. 1,756,818; Apr. 29.
 Ellis, Carleton, and J. V. Meigs, Montclair, N. J.; said Meigs assignor, by mesne assignments, to said Ellis. Resinous product, shellac substitute, etc., and making same. 1,756,819; Apr. 29.
 Ellis, Charles J., assignor to The Cincinnati Car Corporation, Cincinnati, Ohio. Convertible side-door opening for railway cars. 1,751,802; Mar. 25.
 Ellis, Charles J., assignor, by mesne assignments, to The Cincinnati Car Corporation, Cincinnati, Ohio. Railway truck. 1,754,505; Apr. 15.
 Ellis, Charles J., Hamilton County, Ohio, assignor to The Cincinnati Car Corporation, Cincinnati, Ohio. Rail brake for railway cars. 1,766,016; June 24.
 Ellis-Cotton Limited. (See Cotton, Miles P., assignor.)
 Ellis, Daniel S., Hackensack, N. J., and C. J. Zusy, Yonkers, N. Y., assignors, by mesne assignments, to Ardeo Manufacturing Company, Hoboken, N. J. Locomotive-bell ringer. 1,782,844; Nov. 25.
 Ellis, Fenwick L., Darien Center, N. Y. Ironing board. 1,745,530; Feb. 4.
 Ellis, Forrest T., assignor to General Motors Corporation, Detroit, Mich. Finishing spline shafts. 1,780,747; Nov. 4.
 Ellis-Foster Company. (See Blyth, John F., assignor.)
 Ellis-Foster Company. (See Bradley, Theodore F., assignor.)
 Ellis-Foster Company. (See Ellis, Carleton, assignor.)
 Ellis-Foster Company. (See Lougovoy, Boris N., assignor.)
 Ellis-Foster Company. (See Weber, Harry M., assignor.)
 Ellis, George, assignor to Scammell China Co., Trenton, N. J. Plate. Des. 80,783; Mar. 25.
 Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of materials made of or containing cellulose derivatives. 1,757,519; May 6.
 Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Process and apparatus for disintegrating wood. 1,785,544; Dec. 16.
 Ellis, George H., and R. J. Mann, Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of new or improved fabrics or articles. 1,773,975; Aug. 26.
 Ellis, George H., H. C. Olpin, and E. E. Walker, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of fabrics. 1,783,608; Dec. 2.
 Ellis, Harry G., Reading, Pa. Post for signboards or the like. 1,745,987; Feb. 4.
 Ellis, Howard G. (See Perrault, J. E., and Ellis.)
 Ellis, Howard G., Waltham, assignor, by mesne assignments, to Hood Rubber Company, Inc., Watertown, Mass. Lasting jack. 1,748,977; Mar. 4.
 Ellis, Howard G., Waltham, assignor, by mesne assignments, to Hood Rubber Company, Inc., Watertown, Mass. Lasting jack. 1,755,246; Apr. 22.
 Ellis Importing Company. (See Ellis, John, assignor.)
 Ellis, James T., Sulphur, La. Piston for slush pumps. 1,774,967; Sept. 2.
 Ellis, John, Philadelphia, Pa., assignor to Ellis Importing. Store front. Des. 80,608; Mar. 4.
 Ellis, John R., Houston, Tex. Telephone attachment. 1,786,986; Dec. 30.
 Ellis, Lee. (See Smith, George W., assignor.)
 Ellis, Paul W., Clearwater, Fla. Punctureproof legging. 1,783,832; Dec. 2.
 Ellis, Ruby K., et al., administrators. (See Koenig, Joseph.)
 Ellis, Samuel, Brooklyn, N. Y. Sanitary protector for stems for pipes, etc. 1,748,757; Feb. 25.
 Ellison Bronze Company. (See Ellison, Edward H., assignor.)
 Ellison, Edward H., Jamestown, assignor to Ellison Bronze Company, Inc., Falconer, N. Y. Stiffener and aligner for hollow-metal doors and casement windows. 1,769,424; July 1.
 Ellison, Edward H., Jamestown, assignor, by mesne assignments, to Austral Window Company, New York, N. Y. Sash sustainer. 1,770,605; July 15.
 Ellison, Lewis M., Chicago, Ill. Steam calorimeter. 1,742,203; Jan. 7.
 Ellison, Moses, Saltville, Va. Padlock. 1,743,331; Jan. 14.
 Ellison, William A., Salem, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Leather stretching and tacking machine. 1,744,756; Jan. 28.
 Elliston & Cavell Limited. (See Person, Adolphe A., assignor.)
 Ellms, Robert W., Baltimore, Md. Sampler. 1,784,485; Dec. 9.
 Ellor, James E., assignor to Rolls Royce Limited, Derby, England. Centrifugal steam separator. 1,750,395; Mar. 11.
 Ellison, Bernard E., Walton-on-Thames, England. Apparatus for tipping and discharging railway cars. 1,782,503; Nov. 25.
 Ellison, Horace S. (See Hansen, C., and Ellison.)
 Ellsworth, Carleton J., assignor to The Ellsworth Machine Company, Kansas City, Mo. Paper-stuffing machine. 1,766,117; June 24.
 Ellsworth, Francis P., New York, N. Y. Power transmission for motor vehicles. 1,745,086; Jan. 28.
 Ellsworth, Henry E., assignor to The Ensign-Bickford Co., Simsbury, Conn. Treatment of black powder. 1,770,482; July 15.
 Ellsworth Machine Company, The. (See Ellsworth, Carleton J., assignor.)
 Ellsworth, Ross J., assignor to Holmes Disappearing Bed Company, Woodstock, Ill. Collapsible bed. 1,743,332; Jan. 14.
 Ellsworth, Ross J., assignor to Holmes Disappearing Bed Company, Woodstock, Ill. Bed mounting. 1,746,583; Feb. 11.
 Ellywood, William, Hempstead, assignor to Nicholas Power Company, Inc., New York, N. Y. Film-measuring attachment for motion-picture machines. 1,747,431; Feb. 18.
 Elm City Cotton Mills. (See Herring, Eugene, assignor.)
 Elmen, Gustaf W., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Nonmagnetic material. 1,745,612; Feb. 4.
 Elmen, Gustaf W., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material. 1,757,178; May 6.
 Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Heat treatment of loaded conductors. 1,763,884; June 17.
 Elman, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,768,238; June 24.
 Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material and appliance. 1,768,443; June 24.
 Elmen, Gustaf W., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material. 1,784,827; Dec. 16.
 Elmendorf, Armin, Chicago, Ill. Method of and apparatus for facing panels with metal. 1,763,227; June 10.
 Elmendorf, Armin, assignor to The Flexwood Company, Chicago, Ill. Method of and apparatus for treating flexible wood-veneered material. 1,778,250; Oct. 14.
 Elmendorf, Armin, assignor to The Flexwood Company, Chicago, Ill. Treating veneered sheets. 1,778,251; Oct. 14.

- Elmer, Albert O., Otisville, assignor to The Borden Company, New York, N. Y. Type holder. 1,763,958; June 17.
- Elmer Candy Company. (See Ringel, Harold A., assignor.)
- Elmer, Lloyd A., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording and reproducing machine. 1,747,866; Feb. 18.
- Elmer, Lloyd A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling device. 1,778,756; Oct. 21.
- Elmes, William H. (See Anderson, J. A., and Elmes.)
- Elmire Corporation. (See Deal, Fred H., assignor.)
- Elmore, Charles A., Oakland, Calif., assignor, by mesne assignments, to The Autocall Company, Shelby, Ohio. Alarm system. 1,742,465; Jan. 7.
- Elms, John D., St. George, assignor, by mesne assignments, to Felms Revo Corporation, New York, N. Y. Motion-picture camera. 1,783,463; Dec. 2.
- Elmwall, Gustave W., New York, N. Y. Steam boiler. 1,781,057; Nov. 11.
- Elrod, Henry E. (See Hodges, T. A., and Elrod.)
- Elsässer, Robert, Berlin-Charlottenburg, assignor to Siemens Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Atomizer for liquids. 1,764,437; June 17.
- Elsasser, William. (See Albright, F., and Elsasser.)
- Else, Harry D., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Induction-motor-control system. 1,768,897; July 1.
- Elsey, George W. (See Chryst, W. A., and Elsey.)
- Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Strap-anchoring means. 1,746,824; Feb. 11.
- Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,750,311; Mar. 11.
- Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,759,895; May 27.
- Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Rebound check. 1,785,893; Dec. 23.
- Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,785,984; Dec. 23.
- Elsey, George W., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,759,894; May 27.
- Elsey, George W., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,759,939; May 27.
- Elsey, George W., assignor to Delco Products Corporation, Dayton, Ohio. Core box. 1,761,522; June 3.
- Elsey, Walter H., Marble, Ark. Sirup-bucket lid. 1,746,149; Feb. 4.
- Elsey, Walter H., Marble, Ark. Washbasin and sink for automobiles. 1,779,037; Oct. 21.
- Elsey, Walter H., Marble, assignor to Osage Price Indicator Company, Fayetteville, Ark. Price indicator. 1,746,245; Feb. 11.
- Elsner, Alois, Brunn, Czechoslovakia. Nonslip device for use with skis. 1,783,833; Dec. 2.
- Elsner, Heinrich, Dresden, Germany. Riveting machine. 1,771,882; July 29.
- Elsner, Hermann, deceased, Cassel, by C. Wagner, administrator, Cassel-Wilhelmshöhe, Germany. Interstage superheating in steam power plants. 1,780,226; Nov. 4.
- Elsner, Heinrich, Dresden, Germany. Riveting machine. 1,787,190; Dec. 30.
- Elston, William H., Marietta, Ohio. Metal nailing strip. 1,758,150; May 13.
- Elsy, Charles N., Glen Ellyn, Ill. Manhole cover. 1,751,194; Mar. 18.
- Elting, Edwin J. (See Gillett, Harry S., assignor.)
- Elting, Edwin J., Chicago, Ill. Tube. Des. 82,255; Oct. 14.
- Eltz, George J., jr., assignor to Chas. Freshman Co. Inc., New York, N. Y. Adjusting electrical apparatus. 1,759,841; May 27.
- Elwell, Braden L., Granite City, Ill. Molding apparatus. 1,750,217; Mar. 11.
- Elwell, George H., New Haven, Conn., assignor to The Greist Manufacturing Company. Electric-lamp socket. 1,762,511; June 10.
- Elwell, George H., New Haven, Conn., assignor to The Greist Manufacturing Company. Electric-lamp socket. 1,762,512; June 10.
- Elwell-Parker Electric Company, The. (See Abbe, Edward J., assignor.)
- Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
- Elwood, Frank, Weiner, Ark. Excavator and operating same. 1,743,123; Jan. 14.
- Elwood, Ward P. (See Streich, P., and Elwood.)
- Elwood, Ward P., assignor to Union Machinery Company, Joliet, Ill. Loaf-inverting mechanism for proofers. 1,757,078; May 6.
- Elworthy, Frederick W., Paso Robles, Calif. Vacuum-cleaner attachment. 1,746,246; Feb. 11.
- Elworthy, Frederick W., Los Angeles, Calif. Speedometer light. 1,747,355; Feb. 18.
- Ely, George B., Olivet, Mich. Aquatic toy. 1,743,333; Jan. 14.
- Ely, Harold M., Harrisburg, Pa., assignor to Bethlehem Steel Company. Tie-plate machine. 1,746,032; Feb. 4.
- Ely, Harold M., Harrisburg, Pa., assignor to Bethlehem Steel Company. Rail-turning device. 1,775,851; Sept. 16.
- Ely, Hiram B., Philadelphia, Pa. Sound-locating apparatus. 1,758,393; May 13.
- Ely, Hiram B., New York, N. Y. Mount for sound apparatus. 1,774,826; Sept. 2.
- Ely & Walker Dry Goods Company. (See Irwin, Carl C., assignor.)
- Ely, Walter C., Terre Haute, Ind., assignor to American Chain Company, Inc. Bloom squeezer. 1,744,876; Jan. 28.
- Elze, Walter C., Forest Hills, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Structure for adapting oil burners to concrete-mixer apparatus. 1,767,746; June 24.
- Elze, Walter C., Forest Hills, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Oil-burning water heater. 1,767,747; June 24.
- Elzemeyer, Ernst H., assignor to American Pulverizer Company, St. Louis, Mo. Pulverizing machine. 1,748,214; Feb. 25.
- Elzer, John, Reading, Pa. Electric-connection hinge. 1,744,040; Jan. 21.
- Elzinga, Peter. (See Elzinga, Robert F. and P.)
- Elzinga, Robert F. and P., Holland, Mich.; said Robert F. Elzinga assignor to said P. Elzinga. Razor. 1,759,981; May 27.
- Emanuel, Walter H. A., Fairchilde, Wis., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Handle for fly swatters and other utensils and implements. Re17,731; July 15.
- Embosograf Corporation of America. (See Courtenay, Frederic D., assignor.)
- Embossing Company, The. (See Graham, Tom C., assignor.)
- Embossing Company, The. (See Thompson, Andrew, assignor.)
- Embrayage Automatique Bolch Servon Société à Responsabilité Limitée. (See Servon, Jean L., assignor.)
- Embree, Spencer D., Elizabeth, N. J. Sectional soap cake and making same. 1,764,009; June 17.
- Emens, Albert L., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electricity meter. 1,762,218; June 10.
- Emersleben, Otto. (See Chappuzeau, H., and Emersleben.)
- Emerson-Brantingham Corporation. (See Brantingham, Alan, assignor.)
- Emerson-Brantingham Corporation. (See Hendrickson, Walter H., assignor.)
- Emerson, Charles J. (See Jansson, B. G., and Emerson.)
- Emerson, Clyde L., Oak Park, and P. D. Buettell, Maywood, Ill. Rail and wheel flange oiler. 1,749,876; Mar. 11.
- Emerson, Donald E., St. Paul, Minn. Radio static eliminator. 1,779,359; Oct. 21.
- Emerson Drug Company. (See Whittle, William A., assignor.)
- Emerson, Edwin L., Braintree, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Electric Steam boiler. 1,775,122; Sept. 9.
- Emerson Electric Mfg. Co., The. (See Janca, Joseph J., assignor.)
- Emerson Electric Mfg. Co., The. (See Pfaff, A. J., Driy, and Sinning, assignors.)
- Emerson, George H., Baltimore, Md. Feed-water-heating system for locomotives. 1,748,871; Feb. 25.
- Emerson, George H., Baltimore, Md. Locomotive water-tube boiler. 1,763,140; June 10.
- Emerson, George H., Baltimore, Md. Fire box for boilers. 1,771,291; July 22.
- Emerson, George H., Baltimore, Md. Heating the feed water of locomotives. 1,774,921; Sept. 2.
- Emerson, George H., and J. T. Tatum, Baltimore, Md. Railway-car wheel. 1,783,705; Dec. 2.
- Emerson, Millard F., Richmond, Ind. Mower. 1,760,939; June 3.
- Emerson Shoe Manufacturing Company. (See Appleton, Josiah W., assignor.)
- Emerson, William F., Williamsville, N. Y. Cylindrical honing tool. 1,742,466; Jan. 7.
- Emery, Arthur L. (See Comber, Thomas J., assignor.)
- Emery, Charles H., assignor to Hartmann Trunk Company, Racine, Wis. Container-cover stay. 1,776,944; Sept. 30.
- Emery, Herbert W., Holliston, assignor to Archer Rubber Company, Milford, Mass. Surface-finished rubber goods and making the same. 1,762,165; June 10.
- Emery, Norman A. (See John, Harry J., assignor.)
- Emery, Roy, Brooklyn, N. Y. Selective mechanism. 1,763,425; June 10.
- Emery, Roy, Brooklyn, N. Y. Typographical mold. 1,775,363; Sept. 9.
- Emfree Manufacturing Co. (See Weeden, Arthur W., assignor.)
- Emig, Bessie M., and W. G. Dobbs, Auburn, N. Y. Ice-cream-can holder for freezers and ice-cream cabinets. 1,771,883; July 29.
- Emig, John L., Philadelphia, Pa. Awning. Re17,587; Feb. 11.

- Emis, Benjamin, New York, assignor of one-half to I. L. Schonbrun, Brooklyn, N. Y. Illuminated sign. 1,783,963; Dec. 9.
- Emley, Joseph C. (See Bodge, H. A., and Emley.)
- Emley, William S., Philadelphia, Pa. Insect trap. 1,772,989; Aug. 12.
- Emmerich, Louis C., New York, N. Y. Mold for vulcanizing flanges on pipe ends. 1,757,994; May 13.
- Emmert, John R., assignor to Emil J. Paidar Company, Chicago, Ill. Latching mechanism for barber chairs. 1,747,505; Feb. 18.
- Emmert, John R., Chicago, Ill., assignor to Emil J. Paidar Company. Headrest socket for barber chairs. 1,763,294; June 10.
- Emmert, Rodger J., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Grinding apparatus. 1,749,329; Mar. 4.
- Emmert, Rodger J., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Soldering apparatus. 1,750,312; Mar. 11.
- Emmert, Rodger J., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Coating and drying apparatus. 1,750,313; Mar. 11.
- Emmert, Rodger J., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Machine for cutting wire and the insulation thereof. 1,753,561; Apr. 8.
- Emmert, Rodger J., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Work-handling apparatus. 1,753,560; Apr. 8.
- Emmert, Rodger J., assignor to Delco-Remy Corporation, Dayton, Ohio. Conveyer for dynamo armatures. 1,761,523; June 3.
- Emmert, Rodger J., Dayton, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Manufacture of the clutch cam for engine-starter drives. 1,761,712; June 3.
- Emmes, Frank C., and H. J. Knopp, Brussels, Wis. Illuminated flower vase. 1,781,835; Nov. 18.
- Emminger, Thomas F., West View, Pa., assignor to Pittsburgh Clay Pot Company. Grinding wheel. 1,756,734; Apr. 29.
- Emmons, James A., et al. (See Remington, Joseph P., assignor.)
- Emmons, William W., Newark, N. J. Insulating joint. 1,757,561; May 6.
- Emmrich, Paul, assignor to R. C. von Loeben, Dresden, Germany. Hand and face drying device. 1,750,094; Mar. 11.
- Emoff, Christ D., Minneapolis, Minn. Decoy of collapsible type. 1,746,640; Feb. 11.
- Empey, William H., Forestport, N. Y. Railroad tie. 1,776,422; Sept. 23.
- Empire Gas and Fuel Company. (See Fisher, James P., assignor.)
- Empire Hood Seal Corporation. (See O'Neill, Frank, jr., assignor.)
- Empire Level Manufacturing Company. (See Zieman, Harry J., assignor.)
- Empire Metal Cap Co. et al. (See Merolle, A. L., and Boehle, assignors.)
- Empire Printing & Box Company. (See Smith, Sidney M., assignor.)
- Empire Railway Supply Corporation. (See Barill, A. E. H., and Hyle, assignors.)
- Empson, Alfred W., London, England. Mixing and emulsifying apparatus. 1,770,302; July 8.
- Emrick, George W., assignor, by mesne assignments, to Ettco Tool Co. Inc., Brooklyn, N. Y. Tapping attachment. 1,758,656; May 13.
- Emrick, George W., assignor, by mesne assignments, to Ettco Tool Co. Inc., Brooklyn, N. Y. Spindle for chuck devices. 1,764,289; June 17.
- Emrick, George W., assignor, by mesne assignments, to Ettco Tool Co. Inc., Brooklyn, N. Y. Chuck device. 1,764,290; June 17.
- Emrick, George W., assignor, by mesne assignments, to Ettco Tool Co. Inc., Brooklyn, N. Y. Drill chuck. 1,764,291; June 17.
- Emrick, George W., assignor, by mesne assignments, to Ettco Tool Co. Inc., Brooklyn, N. Y. Chuck device. 1,775,992; Sept. 16.
- Emrick, George W., assignor, by mesne assignments, to Ettco Tool Co. Inc., Brooklyn, N. Y. Chuck device. 1,775,993; Sept. 16.
- Emrick, George W., assignor to Ettco Tool Co. Inc., Brooklyn, N. Y. Drill chuck. 1,775,994; Sept. 16.
- Emsco Derrick & Equipment Company. (See Crook, Welton J., assignor.)
- Emsco Derrick & Equipment Company. (See Davidson, William D., assignor.)
- Emsco Derrick & Equipment Company. (See Goesser, Edwin W., assignor.)
- Emsco Derrick & Equipment Company. (See Gunn, R. W., and Thompson, assignors.)
- Emsco Derrick & Equipment Company. (See Rawson, Leslie A., assignor.)
- Emsco Derrick & Equipment Company. (See Sawyer, Wilfred D., assignor.)
- Emsco Derrick & Equipment Company. (See Stevenson, Edward E., assignor.)
- Emsheimer, Louis E. (See Crane, Frank G., assignor.)
- Emulsion Process Corporation, The. (See Halvorsen, A. L., and Travis, assignors.)
- Emulsion Process Corporation, The. (See Travis, P. M., and Halvorsen, assignors.)
- Emulsol Corporation, The. (See Rector, Thomas M., assignor.)
- Enamel Products Company, The. (See Foster, Joseph, jr., assignor.)
- Enamel Products Company, The. (See Geiger, Frederick, assignor.)
- Enamel Products Company, The. (See O'Neill, Edward T., assignor.)
- Enard, Hans, assignor to The Maine Electric Company, Portland, Me. Power rake. 1,760,840; May 27.
- Endebak, Jacob, Chicago, Ill. Electric welding tool. 1,754,353; Apr. 15.
- Enderle, Frank X., Los Angeles, Calif. Incinerator. Des. 81,053; Apr. 29.
- Enderich, Winfield S. (See Fiegel, W. J., and Enderich.)
- Enderich, Winfield S. (See Jones, F. C., and Enderich.)
- Enderwood, Richard C., assignor to Brandes Laboratories, Incorporated, Newark, N. J. Escutcheon for control dials. Des. 80,831; Apr. 1.
- Endicott Johnson Corporation. (See Chrisfield, Howard E., assignor.)
- Endicott Johnson Corporation. (See King, Benjamin F., assignor.)
- Endicott Johnson Corporation. (See Smith, Elmer H., assignor.)
- Endicott Johnson Corporation. (See Steed, Leonard L., assignor.)
- Endless Belt Corporation. (See Grupe, William F., assignor.)
- Endorf, Alfred H., Wheatland, Iowa. Power scraping machine. 1,752,156; Mar. 25.
- Endorf, Charles, Chicago, Ill. Flatiron. 1,761,202; June 3.
- Endorf, Charles, Chicago, Ill. Heat-insulating device for cooking utensils. 1,786,562; Dec. 30.
- Endress, George W. (See Nickle, Samuel C., assignor.)
- Endsley, Louis E. (See Hunter, P. E., and Endsley.)
- Endsley, Louis E., Pittsburgh, Pa. Wrench. 1,767,441; June 24.
- Endsley, Louis E., assignor to Fort Pitt Mine Equipment Company, Pittsburgh, Pa. Car retarder. 1,767,440; June 24.
- Endsley, Louis E., and E. V. Corff, assignors to Grip Nut Company, Chicago, Ill. Compressing machine. 1,753,238; Apr. 8.
- Endter, Waldemar A., Long Beach, Calif. Airplane construction. 1,760,485; May 27.
- Enell, Howard H., Cleveland Heights, Ohio. Irrigating apparatus. 1,781,751; Nov. 18.
- Engberg, Axel O., and F. Carlstedt, Stockholm, Sweden, assignors to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Cleaning and air-conditioning apparatus. 1,757,239; May 6.
- Engberg, Axel O., and F. Carlstedt, Stockholm, Sweden, assignors to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Coupling for cleaners. 1,757,240; May 6.
- Engberg, Axel O., and T. E. D. Bilde, Stockholm, assignors to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Animal-cleaning device. 1,770,749; July 15.
- Engberg, Axel O., and T. E. D. Bilde, Stockholm, Sweden, assignors to Inventia Patents Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Washing machine. 1,777,662; Oct. 7.
- Engberg, Axel O., and A. Eriksson-Jons, Stockholm, Sweden, assignors to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Blowing nozzle for suction cleaners. 1,781,542; Nov. 11.
- Engberg, Karl E. H., Drammen, Norway. Wad for whale guns and the like. 1,752,243; Mar. 25.
- Engelbreton, Christian M. (See Skoglund, J. S., and Engelbreton.)
- Engel, Albert W., Chicago, Ill. System for mounting stereoscopic views. 1,784,227; Dec. 9.
- Engelbert, Robert F. (See Dingman, J. E., and Engelbert.)
- Engelcke, August, Morristown, S. Dak. Detachable rim for containers. 1,757,179; May 6.
- Engelhard, Hermann, assignor to Deutsche Gasglühlicht-auer-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Eye ring for gas masks. 1,747,764; Feb. 18.
- Engelhardt, Alfred, Wiesdorf-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Extraction of fat from raw wool. 1,775,590; Sept. 9.
- Engelhardt, Elmer L., Denver, Colo. Transmission. 1,773,526; Aug. 19.
- Engelhardt, Rudolf, Leverkusen-on-the-Rhine, and W. Lommel, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of olefines. 1,770,734; July 15.
- Engelhardt, Victor, Berlin-Charlottenberg, and K. Illig, Berlin-Wilmersdorf, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Producing galvanic coatings. 1,772,074; Aug. 5.
- Engelhart, John G., Atlanta, Ga. Heating radiator. 1,751,033; Mar. 18.
- Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing organic mercury compounds. 1,748,331; Feb. 25.
- Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Disinfecting seeds and composition therefor. 1,749,575; Mar. 4.

- Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Seed disinfectant. 1,752,424; Apr. 1.
- Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonhygroscopic seed disinfectant. 1,776,423; Sept. 23.
- Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Disinfectant composition. 1,780,008; Oct. 28.
- Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making disinfectant compositions. 1,783,377; Dec. 2.
- Engeln Electric Company, The. (See Goldfield, Edwin R., assignor.)
- Engeln Electric Company, The. (See Horsley, C., and Goldfield, assignors.)
- Engels, Eugene O. (See Thurm, R., and Engels.)
- Engels, Eugene O., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Wall structure for bake ovens and the like. 1,752,157; Mar. 25.
- Engels, Eugene O., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Oven. 1,752,158; Mar. 25.
- Engels, Eugene O., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Wall construction for bake ovens and the like. 1,752,159; Mar. 25.
- Engels, Eugene O., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Exhaust device for indirect-heated gas-fired ovens and the like. 1,757,361; May 6.
- Engels, Eugene O., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Fuel system for enclosed-burner bake ovens. 1,760,486; May 27.
- Engels, Eugene O., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Tubular burner jacket. 1,763,349; June 10.
- Engels, Robert, Vienna, Austria. Automatic brake-shoe-adjusting apparatus. 1,773,033; Aug. 12.
- Engh, Erik K., Minneapolis, Minn. No-baste clamp. 1,749,330; Mar. 4.
- Engh, Walter B., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp wick. 1,743,198; Jan. 14.
- Engineer Company, The. (See McLean, Embury, assignor.)
- Engineering Products Corporation. (See Sprong, Severn D., assignor.)
- Engineering Products Corporation, Inc., The. (See Allen, Albert J., assignor.)
- Engl, Josef, Berlin-Grunewald, H. Vogt, Berlin-Wilmersdorf, and J. Massolle, Berlin-Grunewald, Germany, assignors, by mesne assignments, to W. Fox, Woodsburgh, N. Y. Process and apparatus for photographic sound recording and reproducing. 1,756,681; Apr. 29.
- England, Alexander, Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Gear construction. 1,758,692; May 13.
- England, Alexander, Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Test gauge. 1,765,574; June 24.
- England, Alexander, Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Hose-coupling gauge. 1,765,575; June 24.
- England, Eric C. G., assignor to Gordon England (1929) Limited, Wimbley, England. Door for vehicles. 1,754,226; Apr. 15.
- England, Gordon, (1929) Limited. (See England, Eric C. G., assignor.)
- England, William A., Davy, W. Va. Switch-operated frog. 1,785,895; Dec. 23.
- Englander Spring Bed Company. (See Bebry, Percival P., assignor.)
- Engle, Edgar W., Lake Forest, and H. L. Olesen, Highland Park, assignors to Faansteel Products Company, Ill. Electrolytic condenser. 1,744,302; Jan. 21.
- Engle, John F., Lakewood, Ohio. Sealing means for tire-valve nipples. 1,769,124; July 1.
- Engle, Lee O. (See Purcell, Charles H., assignor.)
- Englebright, William H., Berwyn, Ill. Valve. 1,777,608; Oct. 7.
- Engledow, George R., Raton, N. Mex. Airplane. 1,753,112; Apr. 1.
- Englehorn, Elmer H., Douglaston, N. Y. Railroad-crossing signal. Des. 80,832; Apr. 1.
- Englen, Frederick J., Omaha, Nebr. Machine for washing meat trolleys. 1,774,362; Aug. 26.
- Engler, Irvin. (See Le Noir, W. S., Smith, and Engler.)
- English, Albert A., Chicago, Ill. Razor-blade sharpener. 1,779,966; Oct. 28.
- English, Analdo M., Brookline, assignor to Cynthia Mills, East Boston, Mass. Band feeder. 1,757,079; May 6.
- English Electric Company Ltd., The. (See Seewer, Paul W., assignor.)
- English, Frank, Detroit, Mich. Flexible-handled tool. 1,758,504; May 13.
- English, Fred S., New London, Conn. Method of and apparatus for attaching jackets to press cylinders. 1,742,308; Jan. 7.
- English, Fred S., New London, Conn. Delivery device for presses. 1,768,676; July 1.
- English, Raymond A., Clay City, Ind. Amalgamator and the like. 1,774,257; Aug. 26.
- English, Raymond A., Clay City, Ind. Duplex capsule or the like. 1,774,258; Aug. 26.
- English & Mersick Company, The. (See Goldsmith, B. J., Koeb, and Brlechle, assignors.)
- English, Stephen C., Hamburg, Iowa. Cultivator attachment. 1,760,940; June 3.
- Englund, Albert E., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Chuck. 1,784,002; Dec. 9.
- Englund, Carl R., Freehold, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Directive antenna system. 1,768,239; June 24.
- Englund, Carl R., Freehold, and F. B. Llewellyn, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secrecy system for signaling. 1,743,710; Jan. 14.
- Englund, Gustaf A., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Chuck. 1,773,034; Aug. 12.
- Englund, Olaf, Chicago, Ill. Spur cap for screed supports. 1,768,547; July 1.
- Englund, Wolke, Chicago, Ill. Individual pilot light for gas burners. 1,763,295; June 10.
- Engstrand, Gunnar C., assignor, by mesne assignments, to Salvage Process Corporation, New York, N. Y. Apparatus for pumping viscous fluids. 1,743,761; Jan. 14.
- Engstrand, Gunnar C., Brooklyn, assignor to Salvage Process Corporation, New York, N. Y. Oil-pumping apparatus. 1,743,762; Jan. 14.
- Engstrand, Gunnar C., Brooklyn, N. Y., assignor to W. Braat, Englewood, N. J. Propeller. 1,767,786; June 24.
- Engstrom, Gustaf W., Riverside, Ill., assignor to International Harvester Company. Transmission mechanism for tractors. 1,751,579; Mar. 25.
- Enke, Martin F., Oakland, Calif. Buoy-inflated swimming paddle. 1,784,136; Dec. 9.
- Enlind, Kanute A., Jamaica, N. Y. Fluid drive for automobiles. 1,756,977; May 6.
- Enneking, Joseph J., Fort Thomas, Ky. Electric annunciator. 1,784,961; Dec. 16.
- Ennes, Stanton, Cleveland, Ohio. Railroad code-transmitting device. 1,785,940; Dec. 23.
- Ennis, George H., Long Beach, assignor of one-half to R. V. Funk, Anaheim, Calif. Method and apparatus for determining the location of water strata in wells. 1,786,196; Dec. 23.
- Ennis, Henry E., Thayer, W. Va. Safety blasting-powder stick. 1,758,358; May 13.
- Enock, Arthur G., Wembley Park, assignor to Burlectas Limited, London, England. Handling of bottles and crates in bottle-washing machines. 1,774,425; Aug. 26.
- Enright, John W., New Orleans, La. Shrimp-trawling device. 1,745,251; Jan. 28.
- Enright, Stephen P., Philadelphia, Pa. Flush valve. 1,749,911; Mar. 11.
- Enright, Stephen P., Philadelphia, Pa. Flush valve. 1,764,942; June 17.
- Enro Shirt Company, The. (See Jacoby, Gustave, assignor.)
- Ensign-Bickford Co., The. (See Ellsworth, Henry E., assignor.)
- Ensign Carburetor Company. (See Ensign, Orville H., assignor.)
- Ensign Carburetor Co. (See Ensign, Paul W., assignor.)
- Ensign Carburetor Company. (See Ensign, Roy F., assignor.)
- Ensign Carburetor Company. (See Ensign, Roy F. and O. H., assignors.)
- Ensign, Orville H. (See Ensign, Roy F. and O. H.)
- Ensign, Orville H., Pasadena, Calif. Internal-combustion engine. 1,746,728; Feb. 11.
- Ensign, Orville H., Pasadena, assignor to Ensign Carburetor Company, Los Angeles, Calif. Carburetor. 1,766,169; June 24.
- Ensign, Orville H., Pasadena, Calif., assignor to Ensign Carburetor Company, Los Angeles, Calif. Carburetor. 1,787,148; Dec. 30.
- Ensign, Paul W., Los Angeles, Calif. Carburetor. 1,748,472; Feb. 25.
- Ensign, Paul W., South Pasadena, assignor, by mesne assignments, to Ensign Carburetor Co., Ltd., Huntington Park, Calif. Liquid-fuel converter. 1,769,679; July 1.
- Ensign, Paul W., South Pasadena, assignor, by mesne assignments, to Ensign Carburetor Co., Inc., Huntington Park, Calif. Liquid-hydrocarbon vaporizer. 1,769,680; July 1.
- Ensign, Roy F., Los Angeles, Calif. Well filling means for carburetors. 1,748,332; Feb. 25.
- Ensign, Roy F., South Pasadena, assignor to Ensign Carburetor Company, Los Angeles, Calif. Carburetor. 1,751,983; Mar. 25.
- Ensign, Roy F., assignor to Ensign Carburetor Company, Los Angeles, Calif. Fuel-supply system for internal-combustion engines. 1,779,374; Oct. 21.
- Ensign, Roy F. and O. H., Pasadena, assignors to Ensign Carburetor Company, Los Angeles, Calif. Carburetor. 1,752,551; Apr. 1.
- Enssle, Georg, Constance, assignor to Holzverkohlungs-Industrie Aktiengesellschaft, Constance, Baden, Germany. Activating charcoal. 1,753,984; Apr. 8.
- Enstrom, August, assignor to Pettibone Mulliken Company, Chicago, Ill. Railway-track construction. 1,743,662; Jan. 14.
- Enstrom, August, assignor to Pettibone Mulliken Company, Chicago, Ill. Guard-rail structure. 1,770,231; July 8.
- Entenman, Albert, Brooklyn, N. Y. Frame. 1,786,197; Dec. 23.
- Enterprise Holding Company. (See Johnson, John O., assignor.)

- Enterprise Manufacturing Company, The. (See Adams, Walter L., assignor.)
- Enterprise Manufacturing Company, The. (See Case, Francis M., assignor.)
- Enterprise Manufacturing Company, The. (See Pfueger, Charles T., assignor.)
- Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
- Enterprise Railway Equipment Company. (See Dorey, George B., assignor.)
- Enterprise Railway Equipment Company. (See Zimmer, Albert E., assignor.)
- Enticknap, Ernest G., Alton, England. Machine for the manufacture of concrete blocks and the like. 1,770,303; July 8.
- Entz, Ferdinand S., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trunking system. 1,763,036; June 10.
- Enz, Charles A., Fort Wayne, Ind. Farm-implement attachment for tractors. 1,760,128; May 27.
- Enz, Karl A., Cleveland, Ohio, and D. J. McCormack, York, Pa. Sand separator. 1,751,689; Mar. 25.
- Ephrata Manufacturing Company. (See Printz, Daniel F., assignor.)
- Eppenbach, William, College Point, assignor to United States Colloid Mill Corporation, Long Island City, N. Y. Homogenizing mill. 1,755,576; Apr. 22.
- Eppelsheimer, Daniel, assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling metal. 1,786,834; Dec. 30.
- Eppensteiner, William F., Rahway, N. J., assignor, by mesne assignments, to The American Metal Company, New York, N. Y. Mold for casting metals. 1,785,941; Dec. 23.
- Eppensteiner, William F., Rahway, N. J., assignor, by mesne assignments, to The American Metal Company, New York, N. Y. Mold for casting metals. 1,776,355; Sept. 23.
- Eppensteiner, William F., Rahway, and H. M. Green, assignors to United States Metals Refining Company, Carteret, N. J. Apparatus for casing metals. 1,748,333; Feb. 25.
- Eppensteiner, William F., Rahway, and H. M. Green, Carteret, N. J., assignors, by mesne assignments, to The American Metal Company (Limited), New York, N. Y. Casting and rolling copper. 1,779,534; Oct. 28.
- Eppler, Carl H., Oakland, Calif. Check protector. 1,763,392; June 10.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Leveling machine. 1,743,199; Jan. 14.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoes. 1,750,709; Mar. 18.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of stitch-down shoes. 1,774,747; Sept. 2.
- Epstein, Albert K. (See Larson, A. W., and Epstein.)
- Epstein, Barnett, New York, N. Y. Combination pocket-book. 1,782,003; Nov. 18.
- Epstein, William C., assignor to The Duo-Tor Manufacturing Company, Dayton, Ohio. Combined water heater and incinerator. 1,758,505; May 13.
- Epstein, William C., assignor to The Duo-Tor Manufacturing Company, Dayton, Ohio. Combined incinerator and water heater. 1,764,553; June 17.
- Epton, Arthur I., et al. (See Huebner, William P., assignor.)
- Equipment Corporation of America. (See Mosby, Alfred D., assignor.)
- Equipment Specialties Co. (See Hull, George A., assignor.)
- Equity Press, Inc., The. (See Feinberg, Alfred, assignor.)
- Erario, Joseph, New York, N. Y. Head guard. 1,759,738; May 20.
- Erb, George C., Roselle Park, N. J., assignor to American Can Company, New York, N. Y. Cover feed. 1,754,463; Apr. 15.
- Erb, Karl, Frankfort-on-the-Main, Main-Griesheim, Germany. Decorticating and depulping machine. 1,782,918; Nov. 25.
- Erb, Lanius P., assignor of one-half to P. Kriskov, Anaconda, Mont. Metal file. 1,751,034; Mar. 18.
- Erbach, Frederick R., assignor to Kelvinator Corporation, Detroit, Mich. Compressor valve. 1,753,922; Apr. 8.
- Erban, Richard, Vienna, Austria. Frictional gearing. 1,750,167; Mar. 11.
- Erban, Richard, Vienna, Austria. Friction gear. 1,750,168; Mar. 11.
- Erban, Richard, Vienna, Austria. Variable-ratio gear. 1,774,175; Aug. 26.
- Erban, Richard, Vienna, Austria. Frictional gearing. 1,774,176; Aug. 26.
- Erber, Bernhard, Vienna, and F. Gantner, Modling, assignors to the firm of Gustav Ganz & Co., Vienna, Austria. Method and apparatus of introducing and fusing-in the leading-in wires into the tubular foot of an electric glow-lamp. 1,755,983; Apr. 22.
- Erdman, George, assignor to Gifford-Wood Company, Hudson, N. Y. Conveyor flight. 1,763,141; June 10.
- Erdmann, Konrad, Radentheim, Karnten, Austria. Method and machine for manufacturing wood wool. 1,772,712; Aug. 12.
- Erdmann, Robert H. M., Jamaica, N. Y. Superheater for boilers. 1,785,441; Dec. 16.
- Erds, William J., Budapest, Hungary. Fire bar for furnaces. 1,762,655; June 10.
- Ergang, Adolf, Magdeburg, assignor, by mesne assignments, to The Raguhn-Anhalter Metallloeherei m. b. H., Raguhn, i/Anhalt, Germany. Net cathode. 1,776,787; Sept. 30.
- Ergenbright, Jay, Orient, Iowa. Shock-absorbing running gear for binders. 1,779,360; Oct. 21.
- Ergle, Bertie W., assignor of one-half to R. N. Murray, Aiken, S. C. Electric hand sanding machine. 1,759,104; May 20.
- Erhardt, Fred, assignor to E. A. Cooper, Kansas City, Mo. Fastening for leggings and boots. 1,782,504; Nov. 25.
- Erhart, Julius P., assignor of one-half to L. P. Miller and R. M. Miller, Anderson, Calif. Scraper blade. 1,765,218; June 17.
- Erich, Walther, Berlin-Halensee, Germany. Box for filing index cards. 1,744,373; Jan. 21.
- Erichsen, Abraham M., Berlin-Steglitz, Germany. Chill mold for casting noniron metals. 1,774,426; Aug. 26.
- Erickson, Oscar, Alexandria, Minn. Line follower. 1,787,362; Dec. 30.
- Erickson, Albin J., Chicago, Ill. Airplane. 1,749,132; Mar. 4.
- Erickson, Algot, Indiana Harbor, Ind. Bottle-washing apparatus. 1,770,847; July 15.
- Erickson, Arthur E., Brooklyn, N. Y. Wrench. 1,745,787; Feb. 4.
- Erickson, Arthur L. (See Cuthbertson, James W., assignor.)
- Erickson, C. E., Company. (See Allen, Clyde, assignor.)
- Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)
- Erickson, Charles W., Los Angeles, Calif. Woodworking. 1,767,970; June 24.
- Erickson, Edward, deceased, by M. E. Erickson, executrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fluid-applying machine. 1,757,180; May 6.
- Erickson, Edward, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-turning machine. 1,768,834; July 1.
- Erickson, Edward G., Baker, Minn. Track-aligning device. 1,742,951; Jan. 7.
- Erickson, Emma J., Reliance, S. Dak. Washing-machine attachment. 1,767,971; June 24.
- Erickson, Erick, and A. Warren, Hancock, Mich. Fire alarm. 1,778,630; Oct. 14.
- Erickson, Ernest R., assignor to C. E. Erickson Company, Inc., Des Moines, Iowa. Oil-meter casing. Des. 81,968; Sept. 9.
- Erickson, Frank O., Auburn, R. I. Door-holding device. 1,770,202; July 8.
- Erickson, Frederic W., Larchmont, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Electric meter and the mounting thereof. Re17,694; June 3.
- Erickson, George A., Kansas City, Mo. Cutting board. 1,743,763; Jan. 14.
- Erickson, Jacob S., assignor to Ferguson and Lange Foundry Company, Chicago, Ill. Hot-water heating system. 1,773,976; Aug. 26.
- Erickson, John. (See Gunderson, G., Erickson, and Backus.)
- Erickson, John, assignor to Automatic Electric, Inc., Chicago, Ill. Electric motor. 1,778,938; Oct. 21.
- Erickson, John, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Electromagnetic relay. 1,779,423; Oct. 23.
- Erickson, John E., St. Paul, Minn. Ski-cutting machine. 1,769,125; July 1.
- Erickson, Louis A., West McHenry, Ill. Leveling apparatus. 1,778,631; Oct. 14.
- Erickson, Mary E., executrix. (See Erickson, Edward.)
- Erickson, Ole P., Chicago, Ill. Universal joint for pipe couplings. 1,782,062; Nov. 18.
- Erickson, Paul E., Scandia, Kans. Irrigating system. 1,768,310; June 24.
- Ericson, Charles G., Toronto, Ontario, Canada. Rail anchor. 1,764,010; June 17.
- Ericson, Charles G., Toronto, Ontario, Canada. Rail anchor. 1,764,011; June 17.
- Ericson, Charles G., Toronto, Ontario, Canada. Rail anchor. 1,764,012; June 17.
- Ericson, Charles G., Toronto, Ontario, Canada. Rail anchor. 1,764,013; June 17.
- Ericson, Gunnar F. (See Jacobson, G., and Ericson.)
- Ericson-Nelson Manufacturing Company. (See Danielson, Charles, assignor.)
- Ericsson, Carl O. (See Christiansen, Ejnar, assignor.)
- Ericsson, Elov, St. Paul, Minn. Pneumatic spring. 1,749,989; Apr. 15.
- Ericsson, Elov, St. Paul, Minn. Rotary internal-combustion engine. 1,766,248; June 24.
- Ericsson, Eric W., Brooklyn, N. Y. Safety razor. 1,785,545; Dec. 16.
- Ericsson, Gunnar, Philadelphia, Pa. High-duty valve structure. 1,765,717; June 24.
- Ericsson, Gunnar, Philadelphia, Pa. High-duty valve structure. 1,786,295; Dec. 23.
- Ericsson, John W., Svedala, Sweden. Machine for crushing ore, stone, and the like. 1,773,616; Aug. 19.
- Erie City Iron Works. (See Bonus, George Y., assignor.)
- Erie City Iron Works. (See Carlson, Carl T., assignor.)
- Erie City Iron Works. (See Heckerth, William C., assignor.)

- Erie City Iron Works. (See Kaemmerling, Gustav H., assignor.)
- Erie Hydraulic Manufacturing Company. (See Torrance, Francis C., assignor.)
- Erie Malleable Iron Company. (See Callender, Clarence E., assignor.)
- Erie Malleable Iron Company. (See Cox, John W., assignor.)
- Erie Malleable Iron Company. (See Dunmire, Russell P., assignor.)
- Erie Malleable Iron Company. (See Metcalf, George R., Jr., assignor.)
- Erie Malleable Iron Company. (See Raybould, Frank J., assignor.)
- Erie Malleable Iron Company. (See Selah, Howard A., assignor.)
- Erie Malleable Iron Company. (See Waite, Lorenzo E., assignor.)
- Erie Steel Construction Company. (See Jones, E. F., and Auld, assignors.)
- Ericksen, James P., assignor to American Bank Note Company, New York, N. Y. Sheet-delivery machine. 1,773,977; Aug. 26.
- Erikson, Leonard, Malden, Mass. Show-case reflector. 1,779,591; Oct. 28.
- Eriksson, Erik O., Lidings, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Locomotive consisting of two vehicles provided with separate groups of wheels. 1,756,588; Apr. 29.
- Eriksson-Jons, Anders. (See Engberg, A. O., and Eriksson-Jons,)
- Erismann, Adolph, Port Richmond, N. Y. Advertising device. 1,744,624; Jan. 21.
- Erkert, William C., Peoria, Ill. Wire rope or cable. 1,769,945; July 8.
- Erl, Otto, Denver, Colo. Slicing and grinding machine. 1,752,160; Mar. 25.
- Erlenbach, Edgar, Berlin, Germany. Treating sawdust. 1,764,249; June 17.
- Ermer, Paul, Elberfeld, assignor to Ringfeder G. m. b. H., Uerdingen-on-the-Rhine, Germany. Journal bearing. 1,777,259; Sept. 30.
- Erne, Georg, Kreuzlingen, Switzerland. Device for singeing textile threads. 1,745,920; Feb. 4.
- Ernst, Alfred F. (See La Mont, W. D., and Ernst.)
- Ernst, August, Johnstown, N. Y. Tanning chamois, buckskins, or other leather. 1,771,490; July 29.
- Ernst, August, Johnstown, N. Y. Tanning chamois, buckskins, or other leather. 1,784,828; Dec. 16.
- Ernst, Charles K., Buffalo, N. Y. Time-switch mechanism. 1,758,222; May 13.
- Ernst, Frederick J., Yakima, Wash. Interior auto rack. Des. 82,319; Oct. 21.
- Ernst, George, Newark, N. J. Gauge-glass fitting. 1,756,184; Apr. 29.
- Ernst, Hans, assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,778,452; Oct. 14.
- Ernst, John H., Jr., Brooklyn, N. Y. Ice-pick holder. 1,754,673; Apr. 15.
- Ernst, Otto, and H. Lange, Frankfurt-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Concentrating aqueous chloroacetaldehyde solutions. 1,774,507; Sept. 2.
- Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Control mechanism for hydraulic presses. 1,746,419; Feb. 11.
- Ernst, Walter, assignor to Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Hydraulic press. 1,763,142; June 10.
- Ernst, William. (See Bangs, W. Q., and Ernst.)
- Errett, Albert J., and C. P. Pesek, assignors to Hen Houses, Inc., Minneapolis, Minn. Restaurant building. Des. 82,663; Dec. 2.
- Errett, John B., Connellsville, Pa. Clothesline fastener. 1,781,573; Nov. 11.
- Errington, Tom and W., Portsmouth, England. Dummy sweetmeat. 1,776,622; Sept. 23.
- Errington, William. (See Errington, Tom and W.)
- Erskine, Malcolm E. (See Toohey, J. S., and Erskine.)
- Erskine, Ralph W., Mishawaka, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lighting standard. Des. 81,000; Apr. 22.
- Erskine, Ralph W., Mishawaka, Ind., assignor to Westinghouse Electric & Manufacturing Company. Bridge light unit. 1,747,506; Feb. 18.
- Erskine, Ralph W., Mishawaka, Ind., assignor to Westinghouse Electric & Manufacturing Company. Holder for lamp housings. 1,760,978; June 3.
- Ersland, Amos K., Manhattan Beach, Calif. Wrench. 1,752,425; Apr. 1.
- Erven, Ross E., Council Bluffs, Iowa. Cam plate. 1,777,078; Sept. 30.
- Erwin, Charles, Akron, Ohio. Platform construction. 1,763,766; June 17.
- Erwin, George W., St. Louis, Mo. Advertising device. 1,774,595; Sept. 2.
- Erwin, John T. (See Lessor, George R., assignor.)
- Erwin, Weldon C., Yorba Linda, Calif. Bottle attachment. 1,763,924; June 17.
- Erysin, Harry A., Malden, and K. B. Chickering, Brockton, Mass. Making food product. 1,782,960; Nov. 25.
- Esau, Abraham, Jena, Germany. Generator of short electric waves. 1,750,000; Mar. 11.
- Esau, Abraham, and F. Lange, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Ufer, Berlin, Germany. Arrangement for eliminating atmospheric disturbances. 1,743,124; Jan. 14.
- Esborn, Swan. (See Hammer, F. L., Smith, and Esborn.)
- Escaich, Auguste, and J. P. Worms, Paris, France. Dyeing process. 1,774,428; Aug. 26.
- Escalante, Maximo, New York, N. Y. Writing instrument. 1,765,219; June 17.
- Escasena, Antonio G., Habana, Cuba. Advertisement. 1,756,021; Apr. 29.
- Esch, Herman E., and E. A. Buchanan, Cherryvale, Kans. Garden tractor. 1,754,617; Apr. 15.
- Escher, Arnold, Raleigh, N. C. Thermostat. 1,758,787; May 13.
- Escher, Edward, Jr., Brooklyn, N. Y. Stopper for dilution bottles. 1,785,859; Dec. 23.
- Escher, Edward P., Detroit, Mich., assignor to Stephens-Adamson Mfg. Co., Aurora, Ill. Device for dewatering sand and gravel. 1,773,479; Aug. 19.
- Eschholz, Otto H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,751,233; Mar. 18.
- Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Ammeter single-unit type. 1,742,697; Jan. 7.
- Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Thermostat. 1,755,984; Apr. 22.
- Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Ammeter. 1,761,908; June 3.
- Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Ammeter. 1,761,909; June 3.
- Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Thermostat. 1,761,910; June 3.
- Eshbaugh, Jesse E., Flint, Mich. Oxygen regulator. 1,779,840; Oct. 28.
- Eskholme, John W., East Orange, N. J. Apparatus for separating and collecting the whites and yolks of eggs. 1,747,432; Feb. 18.
- Eskilsson, Sven A., Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Reflector. 1,751,984; Mar. 25.
- Eskilsson, Sven A., Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Optical signal device. 1,759,609; May 20.
- Eskimo Pie Corporation. (See Baxter, William M., assignor.)
- Eskimo Pie Corporation. (See Watts, Warren S., assignor.)
- Eslinger, Harvey H., assignor of one-fourth to C. Hanson, Harrisburg, Pa. Safety device for internal-combustion engines. 1,770,264; July 8.
- Eslinger, Harvey H., Hecktown, Pa., assignor to Eslinger Motors Company. Valve mechanism for internal-combustion engines. 1,784,421; Dec. 9.
- Eslinger Motors Company. (See Eslinger, Harvey H., assignor.)
- Esmarch, Wilhelm, Berlin-Halensee, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric induction furnace. 1,748,706; Feb. 25.
- Esmond Mills, The. (See Perkins, George H., assignor.)
- Esmond Mills, The. (See Stevens, Dexter, assignor.)
- Esmond Mills, The. (See Viscolosi, Louis, assignor.)
- Esnard, Miguel, Matanzas, Cuba. Revolving flushing tank. 1,754,990; Apr. 15.
- Esnault-Pelterie, Robert, Paris, France. Method and apparatus for use in testing materials. 1,781,002; Nov. 11.
- Espe, Werner, Berlin-Charlottenburg, assignor to Siemens Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Series resistance for electric measuring instruments. 1,754,152; Apr. 8.
- Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Radio signaling system. 1,746,305; Feb. 11.
- Espenschied, Lloyd, Kew Gardens, N. Y., assignor to American Telephone and Telegraph Company. Privacy system for telephone transmission. 1,757,181; May 6.
- Esselen, Gustavus J., Jr., Swampscott, Mass., and R. P. Rose, Jackson Heights, assignors to General Rubber Company, New York, N. Y. Coated paper. 1,746,888; Feb. 11.
- Esselen, Gustavus J., Jr. (See Brown, C. A., and Esselen.)
- Esseltine, Alfred B., assignor to Goodman Manufacturing Company, Chicago, Ill. Electric-circuit safety lock. 1,749,070; Mar. 4.
- Esser, Max., Berlin Zehlendorf Mitte, Germany. Bell. Des. 81,969; Sept. 9.
- Essex, Harry, O. Gelormini, and T. Masterson, Syracuse, N. Y. Constant-temperature regulator. 1,776,901; Sept. 30.
- Essex Rubber Company. (See Hoopes, Penrose R., assignor.)
- Essex Rubber Company. (See Oakley, A. T., and Lupke, assignors.)
- Essex Rubber Company. (See Tucker, Cecil Co., assignor.)
- Essex Specialty Co. (See Gehrig, William F., assignor.)
- Esslinger, Fred W., Ann Arbor, Mich. Heating device for automobile motors. 1,773,978; Aug. 26.
- Essman, Herman G. (See Caroselli, B., and Essman.)
- Esta Guage Company. (See Beeler, Esten, B., assignor.)
- Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)

- Estep, Adrian C., Seattle, Wash. Valve cage. 1,752,790; Apr. 1.
- Estep, Miles E., Los Angeles, Calif. Lawn sprinkler. 1,756,483; Apr. 29.
- Esterow, Harry, New York, N. Y. Pen and pencil clip. Des. 80,609; Mar. 4.
- Esterow, Leo. (See Klein, A., and Esterow.)
- Estes, Clarence H., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Pin plate for molding flasks. 1,752,552; Apr. 1.
- Estes, Joseph B., New York, N. Y. Spoon support. 1,776,655; Sept. 23.
- Estevez, Andrés Q., Franklin, Mass. Sugar-cane planter. 1,764,159; June 17.
- Estoppey, Georges, Dayton, Ohio. Aerial navigation instrument. 1,784,929; Dec. 16.
- Estorge, Julian L., New Orleans, La. Meter protector. 1,760,194; May 27.
- Estrin, David, Brooklyn, N. Y. Bread-roll-filling machine. 1,777,830; Oct. 7.
- Etablissements Aera. (See Mercier, René, assignor.)
- Etablissements Ch. Pierson & A. Poyet. (See Dolliens, Gaston, assignor.)
- Etablissements Edouard Belin. See Holweck, Fernand, assignor.)
- Etablissements Herbelot & Vorms Societe Anonyme. (See Mieville, Charles, assignor.)
- Etablissements Motte-Dewavrin. (See Motte, Joseph, assignor.)
- Etat Francais (Ministere de l'Air). (See Marie, Felix, assignor.)
- Etchison, Lewis A., Cana, assignor of six-tenths to J. Gobbel, three-tenths to A. L. Neely, Mocksville, and one-tenth to N. C. Grubbs, Forsythe County, N. C. Plant setter. 1,773,452; Aug. 19.
- Etchison, Lewis A., Cana, and R. A. Neely, Mocksville, assignors of nine-tenths to said Neely and one-tenth to N. C. Grubbs, Forsythe County, N. C. Plant setter. 1,773,451; Aug. 19.
- Eterne Manufacturing Corporation. (See Reichman, Charles, assignor.)
- Eternit Inc. (See Herzog, Karl, assignor.)
- Etheridge, Harry, Zelenople, Pa. Support for railway rails. 1,785,251; Dec. 16.
- Etheridge, William H. (See Cheverie, M., and Etheridge.)
- Ethyl Gasoline Corporation. (See Howard, Frank A., assignor.)
- Etnyre, E. D., Company. (See Etnyre, George M., assignor.)
- Etnyre, George M., assignor to E. D. Etnyre & Company, Inc., Oregon, Ill. Distributor for asphalt and like liquids. 1,778,551; Oct. 14.
- Etoré, Edmond, Courbevoie, France. Mechanism for raising and lowering sliding windows. 1,756,638; Apr. 29.
- Etta, Inc. (See Kidd, Etta D., assignor.)
- Ettco Tool Co. Inc. (See Emrick, George W., assignor.)
- Etteldorf, Peter J., Quincy, Ill. Incubator. 1,785,942; Dec. 23.
- Ettenreich, Robert. (See Schrack, E., and Ettenreich.)
- Etter, Thomas, and J. L. Dunn, Philadelphia, Pa. Perforated edible. Des. 81,273; June 3.
- Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Surgical splint. 1,769,681; July 1.
- Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Surgical splint. 1,772,098; Aug. 5.
- Eubanks, Adah M., Charleston, Wash. Shipping coop. 1,749,377; Mar. 4.
- Eubanks, Irvine D., Monrovia, Calif. Brake-lining composition. 1,775,389; Sept. 9.
- Euclid Crane & Hoist Company, The. (See Armington, Arthur P., assignor.)
- Euclid Crane & Hoist Company, The. (See Armington, Arthur P. and S. F., assignors.)
- Eufinger, Peter, Frankfort-on-the-Main, assignor to P. Lancier, Munster, Germany. Underground-cable-pulling device. 1,784,829; Dec. 16.
- Eugene Ltd. (See Gunter, W. A., and Griesser, assignors.)
- Eugene Ltd. (See Suter, Eugène F., assignor.)
- Eulberg, Adam J., Sunburst, Mont. Well packer. 1,766,887; June 24.
- Eulberg, Henry, Ocean Beach, Calif. Tire-rim and rim-ring tool. 1,744,535; Jan. 21.
- Eule, Martin, Spandau, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Device for improving the heat absorption of tubular boilers with boiler tubes located in the radiation chambers. 1,770,606; July 15.
- Eule, Martin, Spandau, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany. Device for the remote transmission of control impulses. 1,771,170; July 22.
- Eule, Martin, Spandau, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Safety device for steam power plants. 1,779,967; Oct. 28.
- Eulenhöfer, Adolf. (See Kagelmann, M., and Eulenhöfer.)
- Eulenhöfer, Adolf. (See Scheppmann, W., and Eulenhöfer.)
- Eull, William A., Los Angeles, and V. R. Mackie, South Pasadena, Calif. Concrete-form-binding tool. 1,743,811; Jan. 14.
- Eureka Fire Hose Manufacturing Company. (See Grady, Frank R., assignor.)
- Eureka Tool Company, The. (See Althausen, Robert, assignor.)
- Eurit, Carl, Tulsa, Okla. Oil-well pumping and drilling rig. 1,775,390; Sept. 9.
- Eusey, Samuel. (See Gresley, L. E., and Eusey.)
- Eustice, Alfred L., Chicago, Ill. Fuse. 1,753,046; Apr. 1.
- Eustice, Edward A., Galesburg, Ill. Hand adjustment for lawn-mower cutter bars. 1,742,903; Jan. 7.
- Evanowff, Mike. (See Yerga, A. A., and Evanowff.)
- Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass-surfacing apparatus. 1,771,404; July 29.
- Evans, Amos J., Minneapolis, Minn. Driving-gear mechanism for motor vehicles. 1,783,780; Dec. 2.
- Evans, Archibald D., and H. R. Gravenstreter, New Castle, Pa., assignors to American Sheet and Tin Plate Company. Sheet-packing apparatus. 1,767,442; June 24.
- Evans, Archibald D., and J. K. Lamoree, New Castle, assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Piling and packing apparatus. 1,750,396; Mar. 11.
- Evans Auto Loading Co., Inc., The. (See Evans, Edward S., assignor.)
- Evans Auto Loading Co., The. (See Heuer, Lawrence H., assignor.)
- Evans Auto Loading Co. Inc., The. (See Nemethy, Frank J., jr., assignor.)
- Evans Auto Loading Co. Inc., The. (See Seeley, Fay L., assignor.)
- Evans Auto Loading Co. Inc., The. (See Seeley, F. L., and Snyder, assignors.)
- Evans Auto Loading Co. Inc., The. (See Snyder, Clifford L., assignor.)
- Evans Auto Loading Co., The. (See Tucker, Max D., assignor.)
- Evans Auto Loading Co. Inc., The. (See Tucker, M. D., and Snyder, assignors.)
- Evans Case Company. (See Lagerholm, Carl J., assignor.)
- Evans Case Company. (See Lawrence, Cecil H., assignor.)
- Evans Case Company. (See Reilly, Alfred F., assignor.)
- Evans, Charles D., Jersey City, N. J. Snap hook. 1,772,390; Aug. 5.
- Evans, Clarence T. (See Stevens, W. C., and Evans.)
- Evans, David T., Toronto, Ontario, Canada. Roller for traveling conveyers. 1,758,280; May 13.
- Evans, E. S., & Co. (See Evans, Edward S., assignor.)
- Evans, E. S., & Company. (See Rogers, Edbert, assignor.)
- Evans, Earl R., Washington, D. C., assignor to General Electric Company. Electrical distribution system. 1,770,334; July 8.
- Evans, Earl R., Washington, D. C., assignor to Westinghouse Electric and Manufacturing Company. Electrical signaling or controlling system. 1,778,827; Oct. 21.
- Evans, Earle W., Linden, N. J., assignor to Standard Oil Development Company. Apparatus for supplying anti-knock liquids. 1,758,897; May 13.
- Evans, Edward S. (See Snyder, C. L., and Evans.)
- Evans, Edward S., assignor to The Evans Auto Loading Co. Inc., Detroit, Mich. Automobile tie-down device. 1,754,819; Apr. 15.
- Evans, Edward S., assignor to E. S. Evans & Co., Inc., Detroit, Mich. Automobile tie-down device. 1,754,820; Apr. 15.
- Evans, Edward S., assignor to The Evans Auto Loading Co. Inc., Detroit, Mich. Automobile tie down. 1,754,821; Apr. 15.
- Evans, Edwin R., Chicago, Ill. Vehicle brake mechanism. Re17,688; June 3.
- Evans, Edwin R., Detroit, Mich. Air cleaner. 1,760,351; May 27.
- Evans, Ernest E., Riverside, Calif. Automatic box-stamping machine. 1,749,698; Mar. 4.
- Evans, Erwin K., Holland Patent, N. Y. Automatic pressure-controlling apparatus. 1,780,583; Nov. 4.
- Evans, Frank N. (See Anson, Warren J., assignor.)
- Evans, George D., Baltimore, Md., assignor to American Smelting and Refining Company, New York, N. Y. Furnace lining. 1,775,161; Sept. 9.
- Evans, George E. (See Gutman, I., and Evans.)
- Evans, George E., near Waco, Tex. Cotton-boll extracting and cleaning device. 1,786,904; Dec. 30.
- Evans, George S., Oak Park, assignor to Griffin Wheel Company, Chicago, Ill. Annealing. 1,745,362; Feb. 4.
- Evans, George S., Bronxville, assignor to The Mathieson Alkali Works, New York, N. Y. Iron refining. 1,759,347; May 20.
- Evans, George W., Ashley, Pa. Traveler-lubricating ring. 1,742,241; Jan. 7.
- Evans, Gordon M. (See Hunt, J. H., and Evans.)
- Evans, Gordon M., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Disk-rolling process. 1,764,943; June 17.
- Evans, Gordon M., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake drum and making same. 1,767,522; June 24.
- Evans, Harry L. (See Hohl, G. I., and Evans.)
- Evans, Harry L. (See Olson, C. P., and Evans.)
- Evans, Harry L., Rochester, Minn. Doorknob. 1,742,952; Jan. 7.
- Evans, Harry L., and G. I. Hohl, assignors to Cartoning Machinery Corporation, Newport, R. I. Squaring and closing collapsed cartons. 1,775,753; Sept. 16.
- Evans, James C. (See Toomey, R. E. S., and Evans.)
- Evans, James E., Roscoe, Calif. Combined gas generator and burner. 1,745,363; Feb. 4.
- Evans, James E., Roscoe, Calif. Combined gas generator, burner, and illuminating appliance. 1,773,132; Aug. 19.

- Evans, John L., Scranton, Pa. Chain-conveyer link. 1,748,334; Feb. 25.
- Evans, John M., Berkeley, assignor of one-half to G. W. Wallace, San Francisco, Calif. Manufacture of water-proof cement. 1,755,638; Apr. 22.
- Evans, Joseph E., Bedford, Ind., assignor of one-fourth to C. S. Knight, Chicago, Ill. Die for laying wire rope and wire-rope strands. 1,759,105; May 20.
- Evans, Joseph O. (See Hitt, V. F., and Evans.)
- Evans, Kelley D., assignor of one-half to C. E. Hooven, Hamilton, Ohio. Automatic typewriter. 1,769,626; July 1.
- Evans, Leslie. (See Payne, H. W., Puckridge, and Evans.)
- Evans, Owen B. (See Murdock, W. J., Lungren, and Evans.)
- Evans, Powell, and M. P. Stoney, Philadelphia, Pa. Fire-extinguisher unit. Des. 82,735; Dec. 9.
- Evans, Ray C., North River, Va. Antiskid tire chain. 1,758,739; May 13.
- Evans, Rhys D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Truck for motor vehicles. 1,779,393; Oct. 21.
- Evans, Richard J., Huntington, Ind. Brake lining. 1,749,631; Mar. 4.
- Evans, Richard J., assignor to Asbestos Manufacturing Company, Huntington, Ind. Brake lining. 1,746,110; Feb. 4.
- Evans, Robert D., Norristown, assignor to Mitchell & Ness, Philadelphia, Pa. Padded football jersey. 1,777,878; Oct. 7.
- Evans, Robert D., and H. K. Sels, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Transmission system. 1,772,480; Aug. 12.
- Evans, Robert M., Seattle, Wash. Slide-plate and tie-bar construction for railroads. 1,761,256; June 3.
- Evans, Russell G., Detroit, Mich. Fixed by-pass condenser. 1,774,875; Sept. 2.
- Evans, Samuel J., Princeton, W. Va. Trolley-wire splice joint. 1,754,991; Apr. 15.
- Evans Stamping and Plating Company. (See Robertson, Charles J., assignor.)
- Evans, Thomas D., Phoenixville, Pa. Boiler cleaner. 1,785,024; Dec. 16.
- Evans, Uel C., Rigby, Idaho. Animal trap. 1,747,108; Feb. 11.
- Evans, Walter E., Wolverhampton, England. Jacking of road vehicles. 1,750,584; Mar. 11.
- Evans, Walter W. (See Murrill, P. I., and Evans.)
- Evans, Walter W., New Rochelle, assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Oil composition, etc. 1,752,945; Apr. 1.
- Evans, Walter W., Longmeadow, Mass., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Oil composition, etc. 1,752,946; Apr. 1.
- Evans, William H., Bridgeport, Conn. Material for mine-ventilating tubing or the like and producing the same. 1,775,488; Sept. 9.
- Evans, William L., Washington, Ind. Device for making ring joints. Re17,628; Mar. 25.
- Evans, William L., Washington, Ind. Device for making ring joints. Re17,786; Sept. 2.
- Evans, William L., Washington, Ind. Garment rack. Des. 81,962; Sept. 9.
- Evans, William L., Washington, Ind. Garment rack. 1,749,576; Mar. 4.
- Evans, William L., Washington, Ind. Ring-joint machine. 1,770,881; July 15.
- Evans, William L., Washington, Ind. Ring-joint machine. 1,770,882; July 15.
- Evans, William L., Washington, Ind. Hinge. 1,783,076; Nov. 25.
- Evans, Wilson, assignor, by mesne assignments, to National Aluminate Corporation, Chicago, Ill. Preventing clogging of air conveyers. 1,746,345; Feb. 11.
- Eve, Robert C., Atlanta, Ga. Ash receiver. 1,750,038; Mar. 11.
- Evenheat Manufacturing Company. (See Fliss, August, jr., assignor.)
- Evensen, Anton, Fox Lake, Ill. Device for automatically-locking drawers and the like. 1,746,854; Feb. 11.
- Evensen, Anton, Fox Lake, Ill. Locking attachment for vault doors. 1,754,386; Apr. 15.
- Evensen, Carl. (See Best, F. E., and Evensen.)
- Evensen, William, Chicago, Ill., assignor to Goss Printing Press Company. Folding mechanism. Re17,814; Sept. 23.
- Evensen, William, Chicago, Ill., assignor to Goss Printing Press Company. Folding mechanism. 1,752,426; Apr. 1.
- Everall, George, Company, The. (See Fraser, Charles W., assignor.)
- Everedy Company, The. (See Bunker, Kerney R., assignor.)
- Everedy Company, The. (See Lebherz, Harry J., assignor.)
- Everett, Arthur C., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 1,765,718; June 24.
- Everett, Claud H., London, England, assignor of one-half to G. R. Carr, Chicago, Ill. Storage battery. 1,770,974; July 22.
- Everett, Claud H., London, England, assignor of one-half to G. R. Carr, Chicago, Ill. Storage battery. 1,110,975; July 22.
- Everett, Edward A., Long Island City, N. Y. Insulation block for electric terminals. Des. 82,320; Oct. 21.
- Everett, Edward A., Long Island City, N. Y. Insulation block for electric terminals. Des. 82,664; Dec. 2.
- Everett, Edward A., Long Island City, N. Y. Light-signal support. 1,762,388; June 10.
- Everett, Edward A., New York, N. Y. Railway signal lamp. 1,785,516; Dec. 16.
- Everett, John D. (See Cushman, J. W., Everett, and Farrell.)
- Everett, Samuel H., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,757,708; May 6.
- Everett, Willard E., Cumberland, Md. Antispreading device. 1,765,220; June 17.
- Everett, William H. H., Newton Falls, Ohio. Vehicle sanding device. 1,783,834; Dec. 2.
- Ever Hot Heater Company. (See Ledbetter, Elmer E., assignor.)
- Everhard, Edgar P. (See Willcox, F. H., and Everhard.)
- Everhard, Harry H., Canton, Ohio. Screen-frame construction. 1,775,717; Sept. 16.
- Everitt, Mary E., Fenwick, Mich. Picker. 1,748,855; Feb. 25.
- Everlastik, Inc. (See Chisholm, Lester B., assignor.)
- Everlasting Valve Company. (See Wilson, Wylie G., assignor.)
- Everlite Novelty Mfg. Corp. (See Fruchtmann, Saul W., assignor.)
- Evers, William A., Martinsburg, W. Va. Railway-rail joint. 1,766,888; June 24.
- Evers, William A., Martinsburg, W. Va. Railway-rail joint. 1,772,391; Aug. 5.
- Evers, William A., Martinsburg, W. Va. Railway-rail joint. 1,778,632; Oct. 14.
- Evers, William H. and R. Diehl, New York, N. Y. Endurance high-altitude flying machine. 1,779,162; Oct. 21.
- Eversharp Lawnmower Company. (See Gratiot, Chester A., assignor.)
- Eversman, Lewis W., Julesburg, Colo. Beet harvester. 1,781,919; Nov. 18.
- Eversman, Lewis W., Julesburg, assignor to The Eversman Manufacturing Company, Denver, Colo. Automatic land-leveling device. 1,765,910; June 24.
- Eversman Manufacturing Company, The. (See Eversman, Lewis W., assignor.)
- Eversole, William K., assignor to Minter Homes Corporation, Huntington, W. Va. Portable bleacher. 1,778,067; Oct. 14.
- Everstam, Johan G., Sundsvall, Sweden. Lifting jack. 1,757,182; May 6.
- Everstam, Johan G., Sundsvall, Sweden. Lifting jack. 1,757,183; May 6.
- Everitte Locknuts Limited. (See Garrard, Charles G., assignor.)
- Everwear Manufacturing Company. (See Hoppes, Charles E., assignor.)
- Every, Elmer D., Rochelle Park, N. J., assignor to Artesian Well & Equipment Co., Inc., New York, N. Y. Well-casing shoe. 1,762,012; June 3.
- Evich, Jerie, Santa Barbara, Calif. Exhaust whistle. 1,786,905; Dec. 30.
- Evinrude, Ole, Milwaukee, Wis., assignor, by mesne assignments, to Outboard Motors Corporation. Water-cooling system for outboard motors. 1,786,835; Dec. 30.
- Evitt, Harry G., Baltimore, Md. Radiator shield. 1,771,884; July 29.
- Evleth, Earl M., Grand Haven, Mich., assignor to The Bastian-Blessing Company, Chicago, Ill. Acetylene generator. 1,766,614; June 24.
- Evleth, Earl M., Grand Haven, Mich., assignor to Bastian-Blessing Company, Chicago, Ill. Acetylene generator. 1,766,615; June 24.
- Evrard, Raymond E. (See Glawe, A. A., Evrard, and Andrew.)
- Ewald, Arno A., assignor to Romort Manufacturing Company, Oakfield, Wis. Liquid-spraying device. 1,750,512; Mar. 11.
- Ewald, Bernhard K. F., Villingen, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Drum-controlled repeating perforator. 1,750,216; Mar. 11.
- Ewald, Bernhard K. F., Villingen, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Compound type bar. 1,780,674; Nov. 4.
- Ewen, Harry A., Sheffield, England, assignor to Radio Corporation of America. Electric insulator. 1,751,580; Mar. 25.
- Ewertz, Eric H., Elizabeth, and J. T. Dalcher, Bayonne, N. J. Deck house for vessels. 1,777,879; Oct. 7.
- Ewertz, Eric H., Elizabeth, and J. T. Dalcher, Bayonne, N. J. Covering cargo hatches. 1,777,880; Oct. 7.
- Ewest, Hans. (See Skaupy, F., Ewest, Pulfrich, and Schall-reutter.)
- Ewig, Friedrich, Brunswick, Germany. Hoof for dredgers. 1,750,095; Mar. 11.
- Ewig, Friedrich, Brunswick, Germany. Suction dredger. 1,754,746; Apr. 15.
- Ewing, Lawrence, Greenfield, assignor to John Russell Cutlery Company, Turners Falls, Mass. Knife guard. 1,743,029; Jan. 7.
- Ewing, Lawrence J. (See Vachen, L. G., McCarthy, and Ewing.)
- Ewing Rubber Co. (See Pierce, Clifford A., assignor.)
- Exact Weight Scale Company, The. (See Flanagan, Thomas B., assignor.)

- Excel Curtain Company. (See Holt, T. W., and Levan, assignors.)
- Excel Curtain Company. (See Levan, John F., assignor.)
- Ex-Cell-O Aircraft and Tool Corporation. (See Alden, Carroll R., assignor.)
- Excel Magneto Co. (See Reis, Curt F., assignor.)
- Excelsior Hardware Company, The. (See Komenak, Albert J., assignor.)
- Excelsior Steel Furnace Company, The. (See Holub, John J., assignor.)
- Excel Taping Machine Co. (See Butler, Leland K., assignor.)
- Excel Taping Machine Co. (See Byron, Jerome P., assignor.)
- Exchange Lumber Company. (See Goodloe, Alfred M., assignor.)
- Exolon Company, The. (See Hauman, Earl L., assignor.)
- Exolon Company, The. (See Walton, Samuel F., assignor.)
- Exon, Guy S., National City, Calif. Vehicle-propelled turntable. 1,772,075; Aug. 5.
- Expanded Metal Company, The. (See Smith, Walter, assignor.)
- Exploration G. m. b. H. (See Jenny, Willy P., assignor.)
- Ext, Werner. (See Brodersen, K., and Ext.)
- Extension Garment Hanger Company. (See Hood, Thomas H., assignor.)
- Extruded Metal Products Company. (See Williams, Stephen L., assignor.)
- Eyer, Lewis B. (See Grube, John H., assignor.)
- Eyernschmalz, William, Milwaukee, Wis. Necktie. 1,781,377; Nov. 11.
- Eynon, Thomas M., Philadelphia, Pa. Liquid-level indicator. 1,756,347; Apr. 29.
- Eynon, Thomas M., Philadelphia, Pa. Gasoline indicator. 1,765,008; June 17.
- Eynon, Thomas M., Philadelphia, Pa. Liquid-level indicator. 1,782,233; Nov. 18.
- Eyquem, Maurice, Paris, France. Spark plug. 1,776,424; Sept. 23.
- Eyre, Joseph R., Hull, England. Pressure-reducing valve. 1,783,500; Dec. 2.
- Eyster, Aden I., Philadelphia, Pa. Cigar. 1,761,713; June 3.
- Ezbelent, Eugene L., Paris, France. Plaiting machine. 1,770,590; July 15.
- Ezbelent, Georges and R., Paris, France. Automatic spacing device for plaiting machines. 1,751,401; Mar. 18.
- Ezbelent, Roger. (See Ezbelent, Georges and R.)
- Ezdorf, Richard R. (See Brown, A. J., and Ezdorf.)
- Ezdorf, Richard R., Washington, D. C., and A. J. Brown, New York, N. Y. Agricultural dusting machine. 1,785,943; Dec. 23.
- Ezdorf, Richard R., Washington, D. C., and A. J. Brown, New York, N. Y. Broadcast duster. 1,785,944; Dec. 23.
- Ezdorf, Richard R., Washington, D. C., and A. J. Brown, New York, N. Y. Dual fan-dusting machine. 1,785,945; Dec. 23.
- Ezgeta, Andrew, and C. D. Flamm, Chicago, Ill., assignors of fifty-five per cent to said Ezgeta and forty-five per cent to said Flamm. Window construction. 1,755,435; Apr. 22.
- Ezzelle, Robert C., Wilson, N. C. Combination guitar case and stand. 1,772,308; Aug. 5.
- F. A. B. Manufacturing Company. (See Ainsworth, Howard D., assignor.)
- F. and B. Holding Company. (See Buttress, George A., assignor.)
- F-N Company, The. (See Thompson, Lorenzo D., assignor.)
- Faas, Henry R. (See Wirshing, R. J., and Faas.)
- Fabbrica Italiana Di Penne a Serbatoio Aurora. (See De-benedetti, Rodolfo, assignor.)
- Fabbro, Antonio, Tampa, Fla. Bench or similar article. Des. 81,129; May 13.
- Fabe, Isadore G., Cincinnati, Ohio, and G. E. Magee, Louisville, Ky. Cassette. 1,769,370; July 1.
- Fabel, Donald C., assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Screw extractor. 1,746,825; Feb. 11.
- Faben, Charles R. (See Jennison, H. G., and Faben.)
- Faben, Charles R., St. Louis, Mo., assignor to The American Tar Products Company, Chicago, Ill. Waterproof fire-resistant plastic composition. 1,751,690; Mar. 25.
- Faber, Edward P., Chicago, Ill. Humidifier. 1,746,247; Feb. 11.
- Faber, Guy S., assignor to Jas. P. Marsh & Company, Chicago, Ill. Electrical contact mechanism. 1,762,219; June 10.
- Faber, Guy S., assignor to Jas. P. Marsh & Company, Chicago, Ill. Electrical tubular device. 1,762,220; June 10.
- Faber, Henry B. (See Driggs, L. L., jr., and Faber.)
- Faber, Henry R., New York, and L. L. Driggs, jr., New Rochelle, N. Y. Aerial toy. 1,785,770; Dec. 23.
- Faber, Jacob F., Inglewood, and M. L. Chappell, Los Angeles, assignors to Standard Oil Company of California, San Francisco, Calif. Asphalt and road oil and producing the same. 1,745,155; Jan. 28.
- Faber, John P., Dunellen, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Charging device for concrete mixers. 1,748,117; Feb. 25.
- Faber, John P., Dunellen, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Loader bucket for concrete mixers. 1,767,443; June 24.
- Faber, Leon, assignor to L. B. Botfield, trading as Botfield Refractories Company, Philadelphia, Pa. Apparatus for applying refractory cement. 1,751,195; Mar. 18.
- Faber, Paul, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Producing water from steam. 1,745,364; Feb. 4.
- Fabian, Paul, Chemnitz, Germany. Lip-protecting holdfast. 1,754,165; Apr. 8.
- Fabianke, Erich, Berlin-Schoneberg, Germany. Electric illumination for tents. 1,765,911; June 24.
- Fabre, Hippolyte, Clamart, France. Plant for the vertical molding of concrete work. 1,784,422; Dec. 9.
- Fabrice, Edward H., assignor to Guardian Safety Seal Company, Chicago, Ill. Receptacle-sealing device. 1,771,034; July 22.
- Fabricord, Inc. (See Lowry, George A., assignor.)
- Fabrik explosionsicherer Gefasse Salzkotten G. m. b. H. (See Hurlbrink, E., and Meister, assignors.)
- Fabrin, Axel O., assignor to The American Well Works, Aurora, Ill. Centrifugal pump. 1,754,992; Apr. 15.
- Fabriques des Montres Zenith. (See Baumgartner, Frédéric, assignor.)
- Fabrizio, Achillo, Willow Street, Pa. Salute. 1,761,820; June 3.
- Faccaro, John, St. Louis, Mo. Stringed musical instrument. 1,773,133; Aug. 19.
- Face-A-Lite Manufacturing Company. (See Nelson, Otto S., assignor.)
- Face-A-Lite Manufacturing Company. (See Peterson, Henry A., assignor.)
- Fachnie, Fred, Withrow, Wash. Water motor. 1,780,584; Nov. 4.
- Fackler, Louis K., Ridgewood, N. J., assignor to Stein, Hall & Company, Inc. Adhesive and its manufacture. 1,765,761; June 24.
- Faessler, J., Manufacturing Company, The. (See Maupin, Graves R., assignor.)
- Fafnir Bearing Company, The. (See Bechert, Fred J., assignor.)
- Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
- Fafnir Bearing Company, The. (See Searles, R. R., and Cooper, assignors.)
- Fafnir Bearing Company, The. (See Smith, John W., assignor.)
- Fagan, Charles D., Sharon, assignor to Sharpsville Boiler Works Co., Sharpsville, Pa. Self-closing valve. 1,761,821; June 3.
- Fagan, John J., Bayonne, N. J. Heat-control apparatus. 1,752,663; Apr. 1.
- Fagan, John J., Bayonne, N. J., and L. Kovacs, Brooklyn, N. Y. Electric valve. 1,755,057; Apr. 15.
- Fagan, John L. (See Schwartz, W. M., Harrison, and Fagan.)
- Fagan, Richard C., assignor to Russell Manufacturing Company, Middletown, Conn. Resilient fabric. 1,762,389; June 10.
- Fageol, Frank R., Oakland, Calif., assignor to Twin Coach Company. Wheel mounting for vehicles. 1,773,979; Aug. 26.
- Fageol, Frank R., Oakland, Calif., assignor to Twin Coach Company. Automotive vehicle. 1,775,754; Sept. 16.
- Fageol, Rollie B., Los Angeles, assignor to The Eight Wheel Motor Vehicle Company, San Francisco, Calif. Road vehicle. Re17,889; Dec. 2.
- Fageol, Rollie B., Oakland, Calif. Road-vehicle body. 1,743,334; Jan. 14.
- Fageol, Rollie B., Oakland, Calif. Trailer. 1,747,580; Feb. 18.
- Fageol, Rollie B., Los Angeles, Calif. Vehicle. 1,763,767; June 17.
- Fageol, Rollie B., Los Angeles, Calif. Snubber for vehicle springs. 1,771,560; July 29.
- Fageol, Rollie B., Los Angeles, Calif. Vehicle snubber and spring suspension. 1,781,631; Nov. 11.
- Fageol, Rollie B., Los Angeles, Calif. Snubber. 1,781,898; Nov. 18.
- Fageol, William B., Kent, Ohio. Delivery truck. 1,777,966; Oct. 7.
- Fager, Albert H., Los Angeles, Calif. Vehicle running gear. 1,763,768; June 17.
- Fagerlund, Erik A., assignor of one-half to H. T. Tillquist, Stockholm, Sweden. Electric switch apparatus. 1,774,230; Aug. 26.
- Fagerlund, Erik A., and K. E. R. Löfgren, said Löfgren assignor to H. T. Tillquist, Stockholm, Sweden. Time-limit switch for electric-light installations. 1,769,126; July 1.
- Fagersta Bruks Aktiebolag. (See Gumaelius, Olaf, A. E., assignor.)
- Fagley, Clair R., Philadelphia, Pa. Convertible utensil. 1,755,918; Apr. 22.
- Fahdt, Julius, assignor to the firm Julius Fahdt Machine Factory, Kotzschenbroda, near Dresden, Germany. Compound steam engine. 1,748,445; Feb. 25.
- Fahdt, Julius, Machine Factory. (See Fahdt, Julius, assignor.)
- Faherty, Michael W., Phoenix, Ariz. Humidity control for cooking heaters. 1,748,933; Feb. 25.
- Fahy, Orna M., et al. (See Galbraith, Warren L., assignor.)
- Fahy, Patrick H. (See Foreman, Frederick F., assignor.)
- Fahlman, Everett G., assignor to The Permold Company, Cleveland, Ohio. Mold. 1,770,368; July 8.

- Fahlstrom, John G., assignor to Butler Manufacturing Company, Kansas City, Mo. Booth for spray painting. 1,750,774; Mar. 18.
- Fahnestock, William B., Wyoming, Ohio. Filding desk. 1,787,363; Dec. 30.
- Fahr, Emil, Detroit, Mich. Artist's kit. 1,758,223; May 13.
- Fahrenholtz, Henry, assignor of one-third to J. Fahrenholtz and one-third to E. Winters, Dayton, Ky. Musical alarm. 1,784,049; Dec. 9.
- Fahrenholtz, Joseph, et al. (See Fahrenholtz, Henry, assignor.)
- Fahrenwald, Arthur W., Moscow, Idaho, assignor to The Dorr Company, New York, N. Y. Hydraulic classifier. 1,752,791; Apr. 1.
- Fahrenwald, Frank A., Cleveland Heights, Ohio. Electric-furnace resistor. 1,755,350; Apr. 22.
- Fahrenwald, Frank A., Chicago Heights, Ill. Producing low-carbon alloys. 1,757,298; May 6.
- Fahrenwald, Frank A., Chicago, Ill. Furnace. 1,770,103; July 8.
- Fahrenwald, Frank A., Chicago, Ill. Furnace conveyer disk. 1,780,010; Oct. 28.
- Fahrenwald, Frank A., Chicago, Ill. Apron-type conveyer. 1,780,382; Nov. 4.
- Fahrenwald, Frank A., Chicago, assignor to American Manganese Steel Company, Chicago Heights, Ill. Digging tooth with hard-metal core. 1,778,213; Oct. 14.
- Fahrenwald, Frank A., assignor to American Manganese Steel Company, Chicago Heights, Ill. Strain hardening manganese steel. 1,784,865; Dec. 16.
- Fahrenwald, Frank A., assignor to American Manganese Steel Company, Chicago, Ill. Strain hardening steel. 1,784,866; Dec. 16.
- Fahrney, Carlo D., Cambridge, Mass. Television. 1,777,556; Oct. 7.
- Fahrney, Emery H., Chicago, Ill. Propelling mechanism for boats. 1,783,331; Dec. 2.
- Fahrnkopf, Mary, Bement, Ill. Pan lifter. 1,768,311; June 24.
- Failing, Otto C. (See Mason, A. R., and Failing.)
- Failla, Gioacchino, New York, N. Y. Applying radium emanation. 1,753,287; Apr. 8.
- Failor, Charles W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. Re17,752; July 29.
- Fain, Henry G., Little Rock, Ark. Dough mixer and breaker. 1,750,710; Mar. 18.
- Fain, Walter C. (See Anderson, Robert H., assignor.)
- Fain, Walter C., Norfolk, Va. Concealable furnishings. 1,768,464; June 24.
- Fain, Walter C., Norfolk, Va. Concealable furnishings. 1,768,517; June 24.
- Fair, Albert E. H., Belmont, assignor to A. D. Little, Incorporated, Cambridge, Mass. Sheet material and making. 1,757,010; May 6.
- Fairall, Harry K., assignor to Binocular Stereoscopic Film Company, Los Angeles, Calif. Making stereoscopic film. 1,744,459; Jan. 21.
- Fairall, Harry K., assignor to Multicolor Ltd., Los Angeles, Calif. Binocular nonstop motion-picture camera. 1,784,515; Dec. 9.
- Fairbank-Doyle Company. (See Doyle, Thomas F., assignor.)
- Fairbanks, E. Hayward. (See Sparrow, William T., assignor.)
- Fairbanks, E. and T., and Company. (See Bousfield, Alfred, assignor.)
- Fairbanks, E. and T., and Company. (See Dean, Andrew W., assignor.)
- Fairbanks, E. and T., and Company. (See Fuller, Clyde E., assignor.)
- Fairbanks, E. and T., and Company. (See Guldbrandsen, Guldbrand, assignor.)
- Fairbanks, E. and T., and Company. (See Hadley, Harlan A., assignor.)
- Fairbanks, E. and T., and Company. (See Howard, Alfred C., assignor.)
- Fairbanks, Luke J., Los Angeles, Calif. Container and means for holding said containers in cooperation. 1,784,516; Dec. 9.
- Fairbanks, Morse & Co. (See Anderson, Gordon R., assignor.)
- Fairbanks, Morse & Co. (See Hobart, Franklin G., assignor.)
- Fairbanks, Morse & Co. (See Jahnke, Charles B., assignor.)
- Fairbanks, Morse & Co. (See Kapp, Leonard B., assignor.)
- Fairbanks, Morse & Co. (See Mahana, Charles G., assignor.)
- Fairbanks, Morse & Co. (See Peter, Alfred, assignor.)
- Fairbanks, Morse & Co. (See Rynders, George W., assignor.)
- Fairbanks, Morse & Co. (See Schneider, Henry C., assignor.)
- Fairbanks, Morse & Co. (See Seagren, John, assignor.)
- Fairbanks, Morse & Co. (See Stanley, Fred D., assignor.)
- Fairbanks, Morse & Co. (See Whitesell, Frederick N., assignor.)
- Fairbrother, Henry E., and E. Charrington, London, England. Carburetor for internal-combustion engines. 1,752,161; Mar. 25.
- Fairchild Aerial Camera Corporation. (See Briechele, Ambrosius, assignor.)
- Fairchild Aerial Camera Corporation. (See McSpaden, Lewis, assignor.)
- Fairchild Airplane Manufacturing Corporation. (See Depew, Richard H., Jr., assignor.)
- Fairchild Airplane Manufacturing Corporation. (See Johnson, Corydon M., assignor.)
- Fairchild Aviation Corporation. (See Aaron, Arthur H., assignor.)
- Fairchild Aviation Corporation. (See Fairchild, Sherman M., assignor.)
- Fairchild Aviation Corporation. (See Herriott, William, assignor.)
- Fairchild Aviation Corporation. (See Markey, Roscoe L., assignor.)
- Fairchild-Camenez Engine Corporation. (See Camenez, Harold, assignor.)
- Fairchild, Charles N., New Haven, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Key-imprisoning lock. 1,762,921; June 10.
- Fairchild, Charles N., New Haven, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Cam-operated ignition lock. 1,762,922; June 10.
- Fairchild, Charles N., New Haven, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Push-rod lock. 1,766,493; June 24.
- Fairchild, Charles N., Plantsville, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Automobile lock. 1,768,040; June 24.
- Fairchild, Charles N., Milford, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Trip lock. 1,774,259; Aug. 26.
- Fairchild, Eddy, Glen Ridge, N. J. Teapot or similar article. Des. 80,412; Jan. 28.
- Fairchild, Eddy, Glen Ridge, N. J. Bowl or like article. Des. 80,513; Feb. 18.
- Fairchild, Eddy, Glen Ridge, N. J. Bowl or similar article. Des. 80,722; Mar. 18.
- Fairchild, Frederick P., White Plains, N. Y., assignor to The Allen Sherman Hoff Company. Self-cooling furnace bottom. 1,758,394; May 13.
- Fairchild, Frederick P., White Plains, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace. 1,784,586; Dec. 9.
- Fairchild Lock Corporation. (See Fairchild, Charles N., assignor.)
- Fairchild, Sherman M., New York, N. Y. Rewinding and resetting mechanism. 1,779,424; Oct. 28.
- Fairchild, Sherman M., assignor to Fairchild Aviation Corporation, New York, N. Y. Wing landing light. 1,772,889; Aug. 12.
- Fairchild, Walter L., New York, N. Y. Valve-stem-locking means for inner tube molds and the like. 1,773,810; Aug. 26.
- Fairchild, Walter L., New York, N. Y. Molding apparatus for pneumatic tubes, tires, and the like. 1,784,623; Dec. 9.
- Fairey, Charles R. (See Lobelle, Marcel, assignor.)
- Fairey, Charles R. (See Macpherson, Martyn C., assignor.)
- Fairey, Earle R., Hamilton, Ontario, Canada. Calendar. 1,770,769; July 15.
- Fairey, Earle R., Hamilton, Ontario, Canada. Calendar. 1,770,770; July 15.
- Fairfield Specialties Corporation. (See Hoban, Fairfield W., assignor.)
- Fairhead, James, Toronto, Ontario, Canada. Elevator-dumping device. 1,768,585; July 1.
- Fairhill, Morris S., New York, assignor of one-seventh to P. Perlis, Brooklyn, one-seventh to C. Schulman, Astoria, Long Island City, and one-seventh to H. Greenblatt, one-seventh to J. Donitz, one-seventh to B. Shapiro, and one-seventh to B. Shapiro, New York, N. Y. Aero fuel. 1,746,996; Feb. 11.
- Fairhurst, John T., Forest Hills, assignor to J. G. Wilson Corporation, New York, N. Y. Wardrobe. Re17,721; July 8.
- Fairleigh, Charles R., Liberal, Kans. Tool box. 1,755,475; Apr. 22.
- Fairmont Manufacturing Company. (See Anderson, Robert J., assignor.)
- Fairmont Mining Machinery Company. (See O'Neale, Malcolm L., assignor.)
- Fairmont Railway Motors, Inc. (See Kasper, Walter F., assignor.)
- Fairmont Railway Motors, Inc. (See Kasper, W. F., and McKernan, assignors.)
- Fairy Brassiere Co. (See Imershein, Matthies, assignor.)
- Faist, Jacob. (See Zwilling, A. J., and Faist.)
- Faith, Stephen, Chicago, Ill. Automobile license-plate holder. Des. 81,970; Sept. 9.
- Falck, Fritz W., Los Angeles, Calif. Radiocabinet. Des. 82,879; Dec. 23.
- Falck, Joseph E., assignor to F. H. Hill Company, Chicago, Ill. Burial casket. 1,743,663; Jan. 14.
- Falck, Joseph E., assignor to National Casekt Company, Incorporated, Pittsburgh, Pa. Clamping means for casekets. 1,756,185; Apr. 29.
- Falcon Bronze Company, The. (See Jones, E. M., and Writer, assignors.)
- Falconer, Allen. (See Wilkins, Thomas M., assignor.)
- Faleck, Frank, Brooklyn, N. Y. Shoe and making same. 1,767,748; June 24.

- Fales, Elisha N., Dayton, Ohio. Device for improving the aerodynamic efficiency of an exhauster fan. 1,752,427; Apr. 1.
- Fales, Elisha N., Dayton, Ohio. Turbine. 1,786,057; Dec. 23.
- Fales, Samuel W. (See Zealand, George F., assignor.)
- Falge, Robert N., assignor to General Motors Research Corporation, Detroit, Mich. Head lamp. 1,757,420; May 6.
- Falge, Robert N., assignor to General Motors Research Corporation, Detroit, Mich. Lamp-focusing mechanism. 1,761,911; June 3.
- Falge, Robert N., assignor to General Motors Corporation, Detroit, Mich. Rear-view mirror. 1,768,354; June 24.
- Falk, Arthur H., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Loading-coil case. 1,768,240; June 24.
- Falk Corporation, The. (See Bibby, James, assignor.)
- Falk Corporation, The. (See Day, Percy C., assignor.)
- Falk, Edward H., Philadelphia, Pa. Air preheater for manifolds. 1,783,781; Dec. 2.
- Falk, Morris, Fitchburg, Mass. Key-cutting machine. 1,750,218; Mar. 11.
- Falk, Morris, Fitchburg, Mass. Master key for cylinder locks. 1,782,464; Nov. 25.
- Falkenburg, Julius, Neuwied-on-the-Rhine, Germany. Rowing apparatus for gymnastic exercises. 1,752,901; Apr. 1.
- Falkenthal, Erwin, Berlin-Dahlem, Germany. Spark arrester. 1,747,820; Feb. 18.
- Falkenthal, Erwin, Berlin-Dahlem, Germany. Separating and mixing apparatus. 1,764,250; June 17.
- Falkner, Friedrich, Nuremberg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Searchlight. 1,774,750; Sept. 2.
- Falkovitz, Morris, Philadelphia, Pa. Pocket construction for trousers. 1,748,836; Feb. 25.
- Fall Creek Manufacturing Company. (See McDaniel, Walter O., assignor.)
- Falla, Hedley, Milford, N. H. Connector. 1,765,221; June 17.
- Falla, Hedley, and F. Bergami, Milford, N. H. Can opener. 1,765,222; June 17.
- Faller, Ernest A., Brooklyn, N. Y. Telegraphic recorder. 1,764,830; June 17.
- Falley, Samuel J., Rochelle, Ill. Animal-pelt stretcher. 1,768,400; June 24.
- Fallman, Clarence E. (See Fallman, John A. and C. E.)
- Fallman, John A. and C. E., York, N. Dak. Quack-grass and weed destroyer. 1,742,988; Jan. 7.
- Fallon, William J., Jr., Boston, Mass. Welting. 1,762,967; June 10.
- Fallon, William J., Jr., Boston, Mass. Making welting. 1,772,178; Aug. 5.
- Fallot, Alfred, deceased. Plauen; H. Priester, executor, Berlin, Germany. Two-color rotary printing machine. 1,768,312; June 24.
- Falls Rubber Company, The. (See Kratz, George D., and Schnedarek, assignors.)
- Falstrom, Henry W., assignor to Eastern Tool & Manufacturing Company, Bloomfield, N. J. Rake. 1,780,180; Nov. 4.
- Famous Players-Lasky Corporation. (See Pomeroy, Roy J., assignor.)
- Fanaire Heater Company. (See Fisher, Ernest F., assignor.)
- Fancher, Charles J. (See Hubbard, G., Fancher, Sévigné, and Johnson.)
- Fancher, Charles J., Windsor, Vt., and R. A. Johnson, Longmeadow, Mass., assignors, by mesne assignments, to Woodward, Hubbard Company, Hill, N. H. Strip-feeding mechanism. 1,764,831; June 17.
- Fanner Manufacturing Company, The. (See Schane, Edward H., assignor.)
- Fanning, Robert B., Thurber, Tex. Gas burner for furnaces. 1,760,858; May 27.
- Fanslau, Henry L., and W. L. Mahnke, Manitowoc, Wis. Flag holder. 1,743,442; Jan. 14.
- Fansteel Products Company. (See Austin, M. M., and Warner, assignors.)
- Fansteel Products Company. (See Baker, John C., assignor.)
- Fansteel Products Company. (See Balke, Clarence W., assignor.)
- Fansteel Products Company. (See Bradbury, Clifford C., assignor.)
- Fansteel Products Company. (See Engle, E. W., and Olesen, assignors.)
- Fantail Boat Corporation. (See Plum, Johannes, assignor.)
- Fantino, Italo, New York, N. Y. Shoe stretcher. 1,784,341; Dec. 9.
- Fantle, Willard E. (See Rentz, F. B., and Fantle.)
- Fantz, Fred C., Webster Groves, Mo. Return bend. 1,752,331; Apr. 1.
- Fantz, Fred C., Webster Groves, Mo. Clean-out elbow for cracking stills, etc. 1,752,332; Apr. 1.
- Fantz, Fred C., Webster Groves, assignor, by mesne assignments, to Midwest Piping & Supply Company, Incorporated, St. Louis, Mo. Machine for developing or generating intersections of cylinders. 1,745,156; Jan. 28.
- Fantz, Fred C., Webster Groves, Mo., assignor to Universal Oil Products Company, Chicago, Ill. Flow-control valve. 1,767,658; June 24.
- Fantz, Fred C., Webster Groves, assignor to Midwest Piping & Supply Co. Inc., St. Louis, Mo. Machine for developing or generating mitered ends of cylinders. 1,780,009; Oct. 28.
- Farabough, George M., Rogers, Ark., and G. C. Moutray, Fountain, Colo. Vault latch. 1,773,351; Aug. 19.
- Farago, Joe, assignor to Carson Pirie Scott & Co., Chicago, Ill. Shoe box. 1,764,251; June 17.
- Farber, S. W., Inc. (See Farber, Simon W., assignor.)
- Farber, S. W., Inc. (See Murphy, Frank J., assignor.)
- Farber, Simon W., assignor to S. W. Farber, Inc., Brooklyn, N. Y. Handle for a tray or similar articles. Des. 80,309; Jan. 14.
- Farber, Simon W., assignor to S. W. Farber, Inc., Brooklyn, N. Y. Bordered panel for a dish or the like. Des. 80,514; Feb. 18.
- Farber, Simon W., assignor S. W. Farber, Inc., Brooklyn, N. Y. Dish. Des. 81,437; June 24.
- Farber, Simon W., assignor to S. W. Farber, Inc., Brooklyn, N. Y. Dish. Des. 81,872; Aug. 26.
- Farber, Simon W., assignor to S. W. Farber, Inc., Brooklyn, N. Y. Casserole or similar article. Des. 82,736; Dec. 9.
- Farbwerke Vorm. Meister Lucius and Bruning. (See Rössner, H. Steindorff, and Pfaff, assignors.)
- Farfall Company, The. (See Farmer, Albert M., assignor.)
- Faries, David R., administrator. (See Thomson, Fred C.)
- Faries Manufacturing Company. (See Bowen, Michael B., assignor.)
- Faries Manufacturing Company. (See Miller, George L., assignor.)
- Faries Manufacturing Company. (See Peters, Henry M., assignor.)
- Faris, John N., Portland, Oreg. Table. 1,766,616; June 24.
- Fariss, Aubrey, et al. (See Rains, Joshua C., assignor.)
- Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Bumper. 1,770,466; July 15.
- Farley, Eliot, and N. R. Landon, Mount Kisco, assignors to Delaware, Lackawanna & Western Coal Company, New York, N. Y. Treating coal and product thereof. 1,748,335; Feb. 25.
- Farley Francis J. (See Blum, Harry, assignor.)
- Farley, Francis S., Trenton, N. J. Sheet handling and transfer mechanism. 1,768,586; July 1.
- Farley, Fred E., assignor to Goodell-Pratt Company, Greenfield, Mass. Breast drill. 1,770,880; July 15.
- Farley, James, Hertford, England. Transmission mechanism. 1,782,605; Nov. 25.
- Farley, Otis N., Lynden, Wash. Steering device. 1,750,585; Mar. 11.
- Farley, Otis N., Lynden, Wash. Concave worm steering device for automobiles. 1,779,623; Oct. 28.
- Farley Treffe, assignor of thirty-three-and-one-third one-hundredths to H. Poulin and thirty-three-and-one-third one-hundredths to W. McGonagle, Yakima, Wash. Fruit-washing machine. 1,748,872; Feb. 25.
- Farley, William D. (See McNabb, W. R., Farley, and Starcher.)
- Farley, William R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tap changer. 1,763,143; June 10.
- Farman, Henri et Maurice. (See Waseige, Charles R., assignor.)
- Farmer, Albert M., assignor, by mesne assignments, to The Farfall Company, Detroit, Mich. Pump for lubricating systems. 1,776,466; Sept. 23.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Sound-amplifying horn. 1,742,380; Jan. 7.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train-control device. 1,742,381; Jan. 7.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Hose clamp. 1,746,033; Feb. 4.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Sound producer. 1,746,034; Feb. 4.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air-straining device. 1,750,632; Mar. 18.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric train-wire device. 1,750,633; Mar. 18.
- Farmer, Clyde C., Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Feed-valve device. 1,754,227; Apr. 15.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vacuum brake. 1,754,229; Apr. 15.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid compressor. 1,754,231; Apr. 15.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Hose coupling. 1,765,576; June 24.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,765,577; June 24.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,765,578; June 24.

- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pneumatic horn. 1,776,252; Sept. 23.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic brake device. 1,776,282; Sept. 23.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Gasket. 1,782,567; Nov. 25.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,786,198; Dec. 23.
- Farmer, Clyde C., and W. C. Landis, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston and packing ring. 1,754,230; Apr. 15.
- Farmer, Clyde C., Pittsburgh, and T. H. Thomas, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric signal system. 1,754,228; Apr. 15.
- Farmer, Clyde C., Pittsburgh, and T. H. Thomas, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric signal system. 1,778,108; Oct. 14.
- Farmer, Frank T., Detroit, Mich., assignor of one-half to R. E. Farmer, New York, N. Y. Lawn mower. 1,784,342; Dec. 9.
- Farmer, John F., Indianapolis, Ind. Adjustable guard for openings. 1,782,415; Nov. 25.
- Farmer, John W. (See Smith, H. M., and Farmer.)
- Farmer, Patterson, Detroit, Mich. Refrigerating apparatus. 1,786,836; Dec. 30.
- Farmer, Robert E. (See Farmer, Frank T., assignor.)
- Farmer Stone Picking Machine Company, The. (See Reiter, Otis, F., assignor.)
- Farmer, Thomas A., assignor of one-third to C. E. Miller and one-third to W. R. Madden, Dubach, La. Wrench. 1,768,548; July 1.
- Farmer, Walter L., Houston, Tex. Piston ring. 1,746,248; Feb. 11.
- Farmers Loan and Trust Company, The, et al., executor. (See Schweinert, Maximilian C.)
- Farmers' National Bank, Greenville, Ohio. (See Waterman, Russell F., assignor.)
- Farmers' National Bank of Greenville, Ohio, trustee. (See Waterman, Russell R., assignor.)
- Farmers National Bank, trustee. (See French, Charles A., assignor.)
- Farmers' Underwriters Association. (See Tyler, J. C., and Leavey, assignors.)
- Farnet, August, Kussnacht-Zurich, Switzerland. Device for disintegrating and conveying materials. 1,752,902; Apr. 1.
- Farnham, Merton W., Batavia, N. Y., assignor to United States Gypsum Company, Chicago, Ill. Molding machine. 1,786,837; Dec. 30.
- Farnsworth, Arthur J., Pasadena, Calif. Float gauge. 1,742,439; Jan. 7.
- Farnsworth, Fordyce B. (See Beckwith, A. C., and Farnsworth.)
- Farnsworth, Frank F., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Composite conductor. 1,762,968; June 10.
- Farnsworth, Franklin, L., Clarkston, Wash. Grapple. 1,769,665; July 1.
- Farnsworth, Frederick C., Bala, Pa. Drying system. 1,750,837; Mar. 18.
- Farnsworth, Hlland R., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Suction table roll. 1,754,822; Apr. 15.
- Farnsworth, Kenneth C., Athens, Ohio. Radiant gas heater. Des. 80,610; Mar. 4.
- Farnsworth, Kenneth C., Athens, Ohio. Radiant gas heater. Des. 80,611; Mar. 4.
- Farnsworth, Philo T., Berkeley, assignor, by mesne assignments, to Television Laboratories, Inc., San Francisco, Calif. Electric oscillator system. 1,758,359; May 13.
- Farnsworth, Philo T., Berkeley, assignor by mesne assignments, to Television Laboratories, Inc., San Francisco, Calif. Television system. 1,773,980; Aug. 26.
- Farnsworth, Philo T., Berkeley, assignor by mesne assignments, to Television Laboratories, Inc., San Francisco, Calif. Television receiving system. 1,773,981; Aug. 26.
- Farnsworth, Walter M., Canton, assignor to Central Alloy Steel Corporation, Massillon, Ohio. Manufacture of stainless iron. 1,744,374; Jan. 21.
- Farnum, Dwight, assignor of twenty-five per cent to W. C. Woodward and thirty-seven and one-half per cent to W. H. Crowell, Los Angeles, Calif. Illuminated moving-picture theater. 1,754,674; Apr. 15.
- Farnum, John A., Worcester, Mass. Account book. 1,763,506; June 10.
- Faron, Clifton A., Los Angeles, Calif. Float-operated switch. 1,764,069; June 17.
- Farquhar, A. B., Co. Limited. (See Fisher, William J., assignor.)
- Farquhar, A. B., Co. Limited. (See Hollinger, Harry C., assignor.)
- Farquharson, Irving W., Media, Pa. Combination scissor and knife sharpener. Des. 82,356; Oct. 21.
- Farr, Alfred C., Upland, assignor of one-fourth to No-Greef Products, Incorporated, Muncie, Ind. Door-operating mechanism. 1,753,083; Apr. 1.
- Farr, Franz. (See Herz, R., Thless and Müller.)
- Farr, Henry V., Ferguson, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Refining and purifying barium sulphate. 1,752,244; Mar. 25.
- Farr, Joseph W., Oak Park, Ill. Corner-molding bender. 1,742,851; Jan. 7.
- Farr, Thomas H. P., jr., assignor to Triplex Safety Glass Company of North America, New York, N. Y. Sealing laminated glass and apparatus therefor. 1,746,826; Feb. 11.
- Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Forming hubs. 1,777,431; Oct. 7.
- Farr, Willard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield wiper. 1,766,988; June 24.
- Farrall, Arthur W., and G. D. Turnbow, Davis, Calif. Apparatus for determining variations in the physical conditions of agitated materials. 1,756,286; Apr. 29.
- Farrand, Clair L., Forest Hills, N. Y., assignor to Farrand Inductor Corporation, Jersey City, N. J. Loud-speaker and circuit therefor. 1,784,486; Dec. 9.
- Farrand, Clair L., Forest Hills, N. Y., assignor to Farrand Inductor Corporation, Jersey City, N. J. Motor for loud-speakers. 1,784,517; Dec. 9.
- Farrand, Harry M., Los Angeles, Calif. Combined radio receiver cabinet and clock. Des. 82,665; Dec. 2.
- Farrand Inductor Corporation. (See Farrand, Clair L., assignor.)
- Farrar, John H., Memphis, Tenn., assignor to S. J. Graham, Tuckerman, Ark. Coin-controlled vending machine. 1,784,587; Dec. 9.
- Farrel-Birmingham Company. (See Farrel, Franklin, jr., assignor.)
- Farrel-Birmingham Company. (See Lewis, Richard C., assignor.)
- Farrel-Birmingham Company. (See Schnuck, Carl F., assignor.)
- Farrel Birmingham Company. (See Taylor, Henry E. P., assignor.)
- Farrel, Franklin, jr., New Haven, assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Mill shredder. 1,759,896; May 27.
- Farrell, Clinton J. (See Cushman, J. W., Everett, and Farrell.)
- Farrell, Ernest, Salford, England. Cloth expander, cloth guider, and the like. 1,776,382; Sept. 23.
- Farrell, Frederick W., Brookfield, Mass., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coated paper. Re17,760; Aug. 5.
- Farrell, Harry F., assignor to Republic Motor Truck Company, Inc., Alma, Mich. Truck-chassis-dump-body mounting. 1,777,079; Sept. 30.
- Farrell, James W., Cincinnati, Ohio, assignor to Standard Oil Company, Chicago, Ill. Candle. Des. 81,326; June 10.
- Farrell, Luke M., Scranton, Pa. Car-brake mechanism. 1,742,242; Jan. 7.
- Farrell, Peter A., Brooklyn, N. Y. Sign. 1,786,155; Dec. 23.
- Farrell, Rupert I., Montreal, Quebec, Canada. Level gate. 1,768,587; July 1.
- Farrington, Albert. (See Coggins, T. H., and Farrington.)
- Farrington, Bruce B., Berkeley, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Cleaning fluid and producing the same. 1,759,155; May 20.
- Farrington, Harry J., Newton, assignor to Farrington Manufacturing Company, Boston, Mass. Jewelry box. 1,775,516; Sept. 9.
- Farrington, Harry J., Auburndale, Mass. Box for jewelry and the like. 1,780,011; Oct. 28.
- Farrington, Harry J., Auburndale, Mass. Box for jewelry and the like. 1,781,779; Nov. 18.
- Farrington, John F., Flushing, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Radio transmitting apparatus. 1,751,271; Mar. 18.
- Farrington, John F., Flushing, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. High-frequency attenuating network. 1,762,969; June 10.
- Farrington, John F., Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,784,867; Dec. 16.
- Farrington Manufacturing Company. (See Dugdale, Richard M., assignor.)
- Farrington Manufacturing Company. (See Dugdale, Wilfred R., assignor.)
- Farrington Manufacturing Company. (See Farrington, Harry J., assignor.)
- Farrior, Julian I., Gibsonville, N. C. Counting device. 1,765,262; June 17.
- Farrow, Cary, Houston, Tex. Sign-displaying apparatus. 1,776,253; Sept. 23.
- Farup, Peder, Vettakollen, Vestre Aker, Norway, assignor to Titanium Pigment Company Inc., New York, N. Y. Precipitating titanium compounds. 1,773,727; Aug. 26.
- Farver, Jonathan, Shipshewanna, Ind. Hinge. 1,752,428; Apr. 1.
- Fassen, Charles A., Detroit, Mich. Tree-branch holder. 1,780,181; Nov. 4.
- Fassero, James. (See Lussetto, D., and Fassero.)
- Fassinger, Charles, assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa. Support. 1,775,391; Sept. 9.

- Fassinger, Charles, assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa. Die mechanism. 1,785,116; Dec. 16.
- Fassnacht, Emil, assignor to the firm Bayerische Elektrizitäts-Werke, Landsheet-on-the-Jsar, Germany. Induction motor. 1,768,588; July 1.
- Fassotte, Adolphe D. H. L., Overpelt-Lez-Neerpelt, Belgium. Continuous apparatus working with drawn or blown blast or gas. 1,774,135; Aug. 26.
- Fast, August C., assignor to Car Kra Corporation, Detroit, Mich. Window-sash balance. 1,771,997; Aug. 5.
- Fast, August C., assignor to Car Kra Corporation, Detroit, Mich. Window construction. 1,774,088; Aug. 26.
- Faudi, Fritz, Sommerda, Germany. Stuffing box. 1,755,436; Apr. 22.
- Fauerbach, Daniel, West Easton, Pa., assignor to General Chemical Company, New York, N. Y. Process and apparatus for producing wax. 1,784,686; Dec. 9.
- Faulds, John, Oak Park, Ill. Bake oven. 1,771,885; July 29.
- Faulhaber, Clarence F., Middlebranch, Nebr. Electric animal poke. 1,751,313; Mar. 18.
- Faulkner, David S. (See Spalding, J. D., and Faulkner.)
- Faulkner, Ralph C., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Bottle. Des. 82,737; Dec. 9.
- Faulstich, Georg, Cassel, Germany. Russian boot. 1,750,397; Mar. 11.
- Faultless Caster Company. (See Noelting, William H., assignor.)
- Faultless Caster Company. (See Noelting, W. H., and Brokaw, assignors.)
- Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
- Faure, Emil, Paris, France. Hydraulic ram. 1,775,451; Sept. 9.
- Faus, Harold T. (See Kinnard, I. F., and Faus.)
- Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Electric measuring instrument. 1,754,085; Apr. 8.
- Fausek, Arthur J. and I. F., St. Louis, Mo. Tip for gas-burning apparatus. 1,762,166; June 10.
- Fausek, Irwing F. (See Fausek, Arthur J. and I. F.)
- Fausser, Gustave M., Ardsley-on-Hudson, N. Y. Linoleum or similar hard-surfaced floor covering. Des. 80,565; Feb. 25.
- Fausser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 80,677; Mar. 11.
- Fausser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 80,678; Mar. 11.
- Fausser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 80,679; Mar. 11.
- Fausser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 80,680; Mar. 11.
- Fausser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 80,681; Mar. 11.
- Fausser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 80,682; Mar. 11.
- Fausser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 80,683; Mar. 11.
- Fausser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 80,684; Mar. 11.
- Fausser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 80,685; Mar. 11.
- Fausser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Linoleum or similar hard-surfaced floor covering. Des. 81,873; Aug. 26.
- Fausse, Joseph, Boston, Mass., assignor to The Celastic Corporation, Wilmington, Del. Stiffening portions of boots and shoes. 1,746,249; Feb. 11.
- Fausse, Joseph, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for forming and re-forming turn shoes. 1,770,976; July 22.
- Fausse, Joseph, Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe stiffener. 1,774,746; Sept. 2.
- Faust, Levin, et al. (See Swenson, Carl E., assignor.)
- Favarger, François, Neuchâtel, Switzerland, assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y. Electrical selecting circuits. 1,755,212; Apr. 22.
- Faverty, Clyde B. (See Schlacks, W. J., and Faverty.)
- Faverty, Clyde B., Hammond, Ind. Safety shear pin for graders. 1,744,536; Jan. 21.
- Faverty, Clyde B., Hammond, Ind., assignor to Railway Locomotor Company, Chicago, Ill. Combination railway car and steam locomotives. Des. 80,992; Apr. 15.
- Faverty, Clyde B., Hammond, Ind., assignor to Ryan Mfg. Corporation, Chicago, Ill. Road grader. 1,769,682; July 1.
- Faverty, Clyde B., Hammond, Ind., assignor to Ryan Mfg. Corporation, Chicago, Ill. Road-grader wheel-leaning mechanism. 1,769,683; July 1.
- Faverty, Clyde B., Hammond, Ind., assignor to Ryan Mfg. Corporation, Chicago, Ill. Grader front assembly. 1,774,477; Aug. 26.
- Favor, Henry S., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft-replenishing looms. 1,766,889; June 24.
- Favre, Pierre A., Crosne, France. Method and apparatus for forming tubes. 1,743,960; Jan. 14.
- Faw, Julian H., White Plains, N. Y. Socket-wrench connection. 1,746,387; Feb. 11.
- Fawcett, David B., Washington, D. C. Pressure-regulating valve. 1,755,639; Apr. 22.
- Fawick, Thomas L., Racine, Wis. Mold for curing hollow molded articles. 1,751,803; Mar. 25.
- Fawick, Thomas L., Racine, Wis. Tube-forming method and means. 1,768,589; July 1.
- Fawick, Thomas L., Racine, Wis. Mold. 1,768,590; July 1.
- Fawick, Thomas L., Racine, Wis. Spring shackle. 1,782,091; Nov. 18.
- Fawick, Thomas L., Racine, Wis., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission. 1,757,995; May 13.
- Fawn, Richard E., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hot-water bottle. Des. 81,275; June 3.
- Fay, Alpheus, and J. L. Zehnder, Louisville, Ky. Animal-racing device. 1,777,484; Oct. 7.
- Fay, Alpheus, and J. L. Zehnder, Louisville, Ky. Hose or pipe clamp. 1,782,680; Nov. 25.
- Fay, Charles P., Springfield, Mass. Tongs. 1,745,411; Feb. 4.
- Fay, J. A., & Egan Company, The. (See Hirst, James E., assignor.)
- Fay, J. A., & Egan Company, The. (See Kistner, F. J., and Williams, assignor.)
- Fay, Joseph W., Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanism for working pulposus material. 1,752,480; Apr. 1.
- Fay, Richard D., Cambridge, Mass. Apparatus for radiating sound waves. 1,780,349; Nov. 4.
- Fay, Richard D., Cambridge, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Telephone receiver. 1,763,846; June 17.
- Fay, Richard D., Cambridge, and H. G. Dorsey, Gloucester, assignors to Submarine Signal Corporation, Boston, Mass. Submarine signaling. 1,784,137; Dec. 9.
- Fay, Robert C., assignor to American Writing Paper Company, Inc., Holyoke, Mass. Filing system for paper and the like. 1,742,382; Jan. 7.
- Fay, Thomas J., Brooklyn, N. Y. Vehicle. 1,766,617; June 24.
- Fayer, Charles. (See Wappler, B. H., and Fayer.)
- Fazekas, Anton, San Francisco, Calif. Electric heating element. 1,779,667; Oct. 28.
- Fazekas, Anton, San Francisco, Calif. Variable electric heater. 1,779,668; Oct. 28.
- Fazio, Antonio, Portland, Oreg. Brine-mixing apparatus. 1,755,437; Apr. 22.
- Feagley, Chester C., Philadelphia, Pa., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Production of basic aluminum sulphate. 1,742,345; Jan. 7.
- Fear, Arthur, Hastings, New Zealand. Shoe-polishing kit. 1,765,065; June 17.
- Fearne, Justin L., South Weymouth, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-energy translation. 1,743,443; Jan. 14.
- Fearis, James J., Smackover, Ark. Oil-treating apparatus. 1,781,632; Nov. 11.
- Feasel, Harry L., Larchmont, N. Y. Comb-cleaning device. 1,773,393; Aug. 19.
- Featheredge Rubber Company. (See Felix, Benjamin B., assignor.)
- Featheredge Rubber Company. (See Hood, Harry M., assignor.)
- Fechter, Kurt, Joliet, Ill. Acroplane safety device. 1,765,972; June 24.
- Fechter, Max, Philadelphia, Pa. Varnish. 1,773,666; Aug. 19.
- Fecker, J. Walter. (See Baker, Donald A., assignor.)
- Fedden, Alfred H. R., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Lubrication of internal-combustion engines. 1,784,788; Dec. 9.
- Fedden, George, New York, N. Y. Stocking. Des. 82,142; Sept. 30.
- Fedders Manufacturing Company. (See Slagel, Franklin G., assignor.)
- Fedders Manufacturing Company. (See Williams, Edward T., assignor.)
- Fedders Manufacturing Company. (See Yeager, Henry M., assignor.)
- Fedlity Machine Company. (See Mahler, Josef, assignor.)
- Feder, Joseph B., East Orange, N. J., assignor to Charles Corey & Son, Incorporated, New York, N. Y. Alternating-current bell. 1,744,375; Jan. 21.
- Federal Asbestos & Cork Insulation Co. (See Bond, Jayson K., assignor.)
- Federal Glass Company, The. (See Beatty, Robert J., assignor.)
- Federal Glass Company, The. (See Cornwell, Virgil O., assignor.)
- Federal Glass Company, The. (See Middendorf, David L., assignor.)
- Federal Glass Company, The. (See Williams, W. S., and Middendorf, assignors.)

- Federal Merchandise Co. (See Hueglin, Herman C., assignor.)
- Federal Mogul Corporation. (See Blomstrom, Lowell C., assignor.)
- Federal Phosphorus Company. (See Booth, C. F., Berber, and Logue, assignors.)
- Federal Phosphorus Company. (See Durgin, C. B., and Logue, assignors.)
- Federal Phosphorus Company. (See White, Harold E., assignor.)
- Federal Pneumatic Systems, Inc. (See Prouty, William B., assignor.)
- Federal Pressed Steel Corporation. (See Hansen, F. D., and Tinker, assignors.)
- Federal Steel Sash Company. (See McIntosh, Charles J., assignor.)
- Federal Supply Company, The. (See Williams, William W., assignor.)
- Federal Telegraph Company. (See Barone, S. A., and Isler, assignors.)
- Federal Telegraph Company. (See Brower, William M., assignor.)
- Federal Telegraph Company. (See Cattell, Gilbert W., assignor.)
- Federal Telegraph Company. (See Cohen, Louis, assignor.)
- Federal Telegraph Company. (See Crossley, Alfred, assignor.)
- Federal Telegraph Company. (See Dawson, Leo H., assignor.)
- Federal Telegraph Company. (See Duncan, Robert D., Jr., assignor.)
- Federal Telegraph Company. (See Gauthier, Crosby R., assignor.)
- Federal Telegraph Company. (See Gebhard, Louis A., assignor.)
- Federal Telegraph Company. (See Hough, Clinton W., assignor.)
- Federal Telegraph Company. (See Kolster, Frederick A., assignor.)
- Federal Telegraph Company. (See Lewelling, Raymond, assignor.)
- Federal Telegraph Company. (See Nicolson, Alexander McL., assignor.)
- Federal Telegraph Company. (See Prescott, J. O., and Kolster, assignors.)
- Federal Telegraph Company. (See Storm, Hans O., assignor.)
- Federal Telegraph Company. (See Summers, H. A., and Sollie, assignors.)
- Federal Telegraph Company. (See Taylor, Albert H., assignor.)
- Federal Telegraph Company. (See Trogner, Arthur M., assignor.)
- Federal Telegraph Company. (See Worrall, Robert H., assignor.)
- Federal Telegraph Company. (See Young, Leo C., assignor.)
- Federwitz, Theodore A., assignor to Stokes & Smith Company, Philadelphia, Pa. Method of and apparatus for wrapping boxes. 1,753,824; Apr. 8.
- Federwitz, Theodore A., and W. T. Bailey, assignors to Stokes and Smith Company, Philadelphia, Pa. Sheet-feeding mechanism. 1,770,483; July 15.
- Federwitz, Theodore A., assignor to Stokes & Smith Company, Philadelphia, Pa. Automatic gluing machine. 1,772,344; Aug. 5.
- Fedler, Joseph H., Kansas City, Mo., assignor, by mesne assignments, to Modern Laundry Machine Manufacturing Company. Washing machine. 1,743,200; Jan. 14.
- Fedorcak, John, Trenton, N. J. Apron overall. 1,765,009; June 17.
- Fedrizzi, Riccardo, Weston, Pa. Automatic control for aeroplanes. 1,781,633; Nov. 11.
- Feeney, John D., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-handling apparatus for processing machines. 1,748,978; Mar. 4.
- Feeney, Joseph P., Kearny, N. J., assignor to Congoleum-Nairn, Inc. Calender roll. 1,781,378; Nov. 11.
- Feeney, Joseph P., Kearny, N. J., assignor to Congoleum-Nairn, Inc. Ejector for cutting cylinders. 1,784,487; Dec. 9.
- Feeney, Thomas L., and H. Godoy, assignors, by mesne assignments, to Sentry Safety Control Corporation, Philadelphia, Pa. Fire-preventing means for motion-picture-projecting machines. 1,749,577; Mar. 4.
- Feeney, William P., Manistee, Mich. Stock regulator. 1,763,691; June 17.
- Feeny, William S., Philadelphia, Pa. Awning-frame corner fitting. 1,774,548; Sept. 2.
- Fegely, John P., assignor of one-half to G. B. Peters, Allentown, Pa. Display box. 1,762,923; June 10.
- Fegley, Samuel E., Lancaster, Pa. Oil burner. 1,770,232; July 8.
- Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's Mfg. Co., Philadelphia, Pa. Portable power-driven-saw frame. Des. 81,365; June 10.
- Fehely, Ralph C., and R. F. Stevenson, Jacksonville, Oreg.; said Stevenson, assignor to said Fehely. Ore concentrator. 1,760,590; May 27.
- Fehely, Ralph C., and R. F. Stevenson, Keno, Oreg.; said Stevenson assignor to said Fehely. Ore concentrator. 1,762,265; June 10.
- Feber, Joseph D., Miami, Fla. Sound-recording apparatus. 1,772,990; Aug. 12.
- Fehn, John G., Des Moines, Iowa. Base for a laundry appliance. Des. 82,638; Nov. 25.
- Fehn, John G., Des Moines, Iowa. Tub-draining mechanism. 1,744,376; Jan. 21.
- Fehr, David D., Haskett, Manitoba, Canada. Combined harvester and thrasher. 1,772,627; Aug. 12.
- Fehr, John R., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,750,882; Mar. 18.
- Fehr, John R., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,759,106; May 20.
- Fehr, John R., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,772,991; Aug. 12.
- Fehr, John R., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,781,003; Nov. 11.
- Fehr, John R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,785,860; Dec. 23.
- Fehring, Charles E., and V. M. Lane, East St. Louis, Ill. Car-retarding rail. 1,752,162; Mar. 25.
- Fehrle, Alfred. (See Kolle, W., Streitwolf, and Fehrle.)
- Fehrle, Alfred. (See Streitwolf, K., and Fehrle.)
- Fehrmann, Woldemar, Dresden-Strehlen, Germany. Apparatus for dyeing and wet treating of fabric. 1,765,912; June 24.
- Feick, Dale F., Garrett, Ind. Foot-pedal support. 1,776,497; Sept. 23.
- Feigel, William A., assignor to Union Special Machine Company, Chicago, Ill. Presser-foot mechanism for sewing machines. 1,749,529; Mar. 4.
- Feigelman, Herman A., Paterson, N. J. Garment hanger. 1,760,352; May 27.
- Feilcke, Karl, Toledo, Ohio. Hood ledge plate and multiple-compartment hood for automobiles. 1,754,086; Apr. 8.
- Feld, Alexander S., Pyote, Tex. Oil saver. 1,771,250; July 22.
- Feiler, Saul, New York, N. Y. Decorative article. 1,745,365; Feb. 4.
- Feinberg, Alfred, assignor to The Equity Press, Inc., New York, N. Y. Hemoglobin chart. 1,769,777; July 1.
- Feinsot, William, et al. (See Shriner, Robert L., assignor.)
- Feinstein, Max. (See Miller, C., and Feinstein.)
- Feinstein, Samuel, New York, N. Y. Power drive for syringes. 1,751,139; Mar. 18.
- Feister, George F., Maricopa, Calif. Meat saw. 1,771,035; July 22.
- Fejes, Jenő, Budapest, Hungary. Valve-actuating-mechanism housing. 1,743,030; Jan. 7.
- Fejes, Jenő, Budapest, Hungary. Manufacture of internal-combustion engines. 1,743,031; Jan. 7.
- Fekete, Stephen L., assignor to Hudson Motor Car Company, Detroit, Mich. Distributor unit for ignition systems of internal-combustion engines. 1,768,549; July 1.
- Fekete, Stephen L., assignor to Hudson Motor Car Company, Detroit, Mich. Oil purifier. 1,768,550; July 1.
- Fekete, Stephen L., assignor to Hudson Motor Car Company, Detroit, Mich. Intake manifold for internal-combustion engines. 1,768,551; July 1.
- Fekete, Stephen L., and S. G. Baits, assignors to Hudson Motor Car Company, Detroit, Mich. Intake manifold for internal-combustion engines. 1,771,886; July 29.
- Felardo, Alfred, New York, N. Y. Onion cutter. 1,755,351; Apr. 22.
- Felbeck, George T. (See Ray, A. B., and Felbeck.)
- Feld, Friedrich W. C. A., Barmen-Rittershausen, Germany. Apparatus for the generation of steam and hot water. 1,764,873; June 17.
- Feld, Martin J., Philadelphia, Pa. Sweater. Des. 81,831; Aug. 19.
- Feldbush, Albert. (See Aronson, L., and Feldbush.)
- Feldbush, Harry A., Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Valve. 1,754,747; Apr. 15.
- Feldermann, Leroy G. W., Galena, Ill. Tractor control. 1,757,660; May 6.
- Feldheim, Felix S. (See Karbowski, Victor, assignor.)
- Feldin, Emil, Everett, Wash. Lumber-loading roll. 1,760,304; May 27.
- Feldin, Emil, Everett, Wash. Lumber-loading roll. 1,764,397; June 17.
- Feldkamp, Frederick A., Newark, N. J., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Inspection and venting means for electric fuse devices. 1,756,022; Apr. 29.
- Feldman, Abram L., Atlanta, Ga. Disinfecting container. 1,782,919; Nov. 25.
- Feldman, Charles L., et al., receivers. (See Arnold, Albert W., assignor.)
- Feldman, Charles L., et al., receivers. (See Ward, Richard H., assignor.)
- Feldman, Edward D. (See Knecht, Emil, assignor.)
- Feldman, Emil. (See Kanter, E., and Feldman.)
- Feldman, Frank, Randsburg, Calif. Towing cable. 1,761,112; June 3.
- Feldman, J. M., Co. Inc. (See Holdeman, Harry R., assignor.)
- Feldman, S. M., et al. (See Huebner, William P., assignor.)
- Feldman, Samuel R. (See Knoepfle, D., and Feldman.)
- Feldmann, Edward W., Burlington, Iowa. Supplemental leg attachment. 1,747,972; Feb. 18.

- Feldmeier, Harvey, Little Falls, N. Y., assignor, by mesne assignments, to Cherry-Burrell Corporation, Wilmington, Del. Liquid filter. 1,750,997; Mar. 18.
- Feldmeier, Harvey, Little Falls, N. Y., assignor, by mesne assignments, to Cherry-Burrell Corporation, Wilmington, Del. Tank. 1,755,176; Apr. 22.
- Feldmeier, Harvey, and C. B. Dalzell, assignors to D. H. Burrell & Co., Inc., Little Falls, N. Y. Liquid distributor. 1,759,231; May 20.
- Feldmeier, Harvey, Little Falls, N. Y., assignor, by mesne assignments, to Cherry-Burrell Corporation, Wilmington, Del. Heat-exchange apparatus. 1,766,618; June 24.
- Feldmeyer, Josef, Munich, Germany. Permutation lock. 1,772,076; Aug. 5.
- Feldmühle Papier- und Zellstoffwerke Aktiengesellschaft. (See Bethmann, G., and Muthig, assignors.)
- Feldmühle Papier- und Zellstoffwerke Aktiengesellschaft. (See Dethloff, Heinrich, assignor.)
- Feldmühle, Papier- und Zellstoffwerke Aktiengesellschaft. (See Krull, H., and Dethloff, assignors.)
- Feldner, Friedrich, assignor, by mesne assignments, to P. Planer, Vienna, Austria. Arrangement for producing immovable or movable projected images of plastic appearance. 1,758,938; May 20.
- Feldt, Adolf. (See Schoeller, W., Borgwardt, and Feldt.)
- Felek, Julius, assignor to Metropolitan Lamp Co. Inc., New York, N. Y. Lamp base or similar article. Des. 81,001; Apr. 22.
- Feley, Henry N., East Orange, N. J. Book. 1,777,637; Oct. 7.
- Feley, Henry N., East Orange, N. J. Book. 1,777,638; Oct. 7.
- Feley, Henry N., East Orange, N. J. Book. 1,777,639; Oct. 7.
- Feley, Henry N., East Orange, N. J. Book. 1,777,640; Oct. 7.
- Felins Flying Machine Co., The. (See Suelflow, A. G., and Wolford, assignors.)
- Felix, Benjamin B., Chicago, Ill., assignor to Featheredge Rubber Company, Inc. Chair cushion. 1,752,295; Apr. 1.
- Felix, Benjamin B., Chicago, Ill., assignor to Featheredge Rubber Company, Inc. Continuous process of producing sponge-rubber articles. 1,780,122; Oct. 28.
- Felizianetti, Narsete, Los Angeles, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit-pitting machine. 1,785,011; Dec. 16.
- Fellers, Albert E. (See Hopkins, R. Z., Fellers, and Davey.)
- Fellmer, Ernst, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New azo dyestuffs. 1,784,343; Dec. 9.
- Fellows, Edwin R., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear-generating machine. 1,743,335; Jan. 14.
- Fellows, Frank, Montreal, Quebec, assignor of one-half to T. B. Macaulay, Montreal, Canada. Auxiliary air feed for internal-combustion engines. 1,775,238; Sept. 9.
- Fellows Gear Shaper Company, The. (See Fellows, Edwin R., assignor.)
- Fellows, Noble L., assignor to Barnes Scale Company, Detroit, Mich. Scale. Des. 80,871; Apr. 1.
- Fellows, William K., Chicago, Ill. Friction hinge. 1,742,698; Jan. 7.
- Fellows, William K., Chicago, Ill. Friction hinge. 1,742,699; Jan. 7.
- Fellroth, Erick O., assignor to Martin Brothers Company, Minneapolis, Minn. Overalls. 1,785,580; Dec. 16.
- Fellroth, Erick O., assignor to Martin Brothers Company, Minneapolis, Minn. Overgarment. 1,785,581; Dec. 16.
- Felms Revo Corporation. (See Elms, John D., assignor.)
- Felsenthal, G., & Sons. (See Scully, Walter P., assignor.)
- Felsenthal, Harold, assignor to Guarsteel Safety Stair Co., Chicago, Ill. Fabricated newel-post construction. 1,756,023; Apr. 29.
- Felsenthal, Harold, assignor to Guarsteel Safety Stair Co., Chicago, Ill. Stair construction. 1,771,405; July 29.
- Felsenthal, Harold, assignor to Guarsteel Safety Stair Co., Chicago, Ill. Square tubing for newel posts. 1,785,025; Dec. 16.
- Felshin, Joe S., New York, N. Y. Bookcase. Des. 81,327; June 10.
- Felt & Tarrant Manufacturing Company. (See Turck, Joseph A. V., assignor.)
- Felten & Guillaume Carlswerk Aktien-Gesellschaft. (See Fürth, Victor, assignor.)
- Felten & Guillaume Carlswerk Aktien-Gesellschaft. (See Laubenthal, Johann, assignor.)
- Felten & Guillaume Carlswerk Aktien-Gesellschaft. (See Mahlke, Paul, assignor.)
- Felten & Guillaume Carlswerk Aktien-Gesellschaft. (See Meyer, Ulfilas, assignor.)
- Felten & Guillaume Carlswerk Actiengesellschaft. (See Zapf, Georg, assignor.)
- Felten & Guillaume Fabrik elektrischer Kabel-Stahl-und Kupferwerke Aktien-Gesellschaft. (See Fessl, Ferdinand, assignor.)
- Feltes, Peter E., Kansas City, Mo. Grating. 1,750,039; Mar. 11.
- Feltham, Douglas L., Toledo, Ohio. Inspection and clean-out door. 1,747,292; Feb. 18.
- Feltman, David E., Ottawa, Ohio. Beet-harvesting machine. 1,779,308; Oct. 21.
- Feltner, John F. E., Leadville, Colo. Scythe-snath handle. 1,776,218; Sept. 16.
- Felton, Edward I., Little Rock, Ark. Café building. Des. 80,364; Jan. 21.
- Felty, Franklin L., deceased, Chicago, Ill., M. M. Felty administratrix. Speedograph. 1,753,923; Apr. 8.
- Felty, Maude M., administratrix. (See Felty, Franklin L.)
- Fenhouse, George G., Melrose Park, Ill. Clamp. 1,767,280; June 24.
- Fenk, George, Brooklyn, N. Y. Boiler-tap guide. 1,781,634; Nov. 11.
- Fenlon, Charles P., New York, N. Y. Textile fabric or similar article. Des. 81,688; July 29.
- Fenlon, Charles P., New York, N. Y. Textile fabric or similar article. Des. 82,022; Sept. 16.
- Fenn, Margaret F. (See Fenn, William B., assignor.)
- Fenn, William B., assignor to M. F. Fenn, Port Washington, N. Y. Treating the contents of containers. 1,772,933; Aug. 12.
- Fennel, William E., jr., Moberly, Mo. Piston pin. 1,749,024; Mar. 4.
- Fennema, Gabe R. (See Corby, R. L., and Fennema.)
- Fennema, Gabe R., Freeport, N. Y. Lifeboat holding and releasing mechanism. 1,742,852; Jan. 7.
- Fennema, Gabe R., Freeport, N. Y. Apparatus for launching lifeboats and the like. 1,742,853; Jan. 7.
- Fennessy, James H., Dayton, Ohio. Window. 1,749,666; Mar. 4.
- Fenno, Grace L., Palos Park, Ill. Beehive. 1,768,041; June 24.
- Fenno, Grace L., Chicago, Ill. Beehive stand. 1,776,314; Sept. 23.
- Fensky, Charles, and H. J. Readey, deceased, St. Louis, Mo.; A. K. Readey administratrix. Automatic spacer. 1,758,657; May 13.
- Fensky, Charles, and H. J. Readey, deceased, St. Louis, Mo.; A. K. Readey, administratrix. Copyholder. 1,768,753; July 1.
- Fenstemaker, Howard M., Bloomsburg, Pa. Silk flyer for spinning machines. 1,760,941; June 3.
- Fenton, Almon N., Collingswood, N. J., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Electric valve. 1,749,423; Mar. 4.
- Fenton, Elmer B., and W. C. Fenton, Cedar Rapids, Iowa. Curtain stretcher. 1,783,835; Dec. 2.
- Fenton, Frank, assignor to The Miller Rubber Company, Akron, Ohio. Method of and apparatus for sizing hard-rubber articles. 1,754,993; Apr. 15.
- Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Slide fastener with attached resilient socket. 1,753,696; Apr. 8.
- Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Resilient screw stud. 1,756,186; Apr. 29.
- Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Resilient snap-fastener member. 1,757,421; May 6.
- Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Pin fastener. 1,762,118; June 3.
- Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Resilient screw stud. 1,770,893; July 15.
- Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Machine-attached rivet and burr. 1,783,113; Nov. 25.
- Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Mounting rubber containers in boxes. 1,787,364; Dec. 30.
- Fenton, Wilbur C. (See Fenton, Elmer B. and W. C.)
- Fentress, George E., Los Angeles, Calif. Rotary jar. 1,778,252; Oct. 14.
- Fentress, James, Chicago, Ill. Liquid-tank-level gauge. 1,758,077; May 13.
- Fentress, John J., Norfolk, Va. Device for raising sunken vessels. 1,748,873; Feb. 25.
- Fentress, John J., Norfolk, Va. Signal device for sunken vessels. 1,748,874; Feb. 25.
- Fenzel, Jacob S. (See Kranz, H. W., and Fenzel.)
- Ferdinand, Louis, Driftord, Pa. Bumper. 1,783,875; Dec. 2.
- Ferdinand Maximilian de Ryck van der Gracht. (See Reuter, Maurice, assignor.)
- Ferguson, Alexander D., Michigan City, Ind., assignor to Sullivan Machinery Company. Loading machine. 1,773,527; Aug. 19.
- Ferguson, Alexander D., Michigan City, Ind., assignor to Sullivan Machinery Company. Valve mechanism. 1,786,199; Dec. 23.
- Ferguson, Andrew W., assignor to Lincoln Scale Corporation, Latrobe, Pa. End assembly for drum scale cylinders. 1,751,985; Mar. 25.
- Ferguson, Andrew W., and R. J. Burke, assignors to Lincoln Scale Corporation, Latrobe, Pa. Indicator for scales. 1,757,766; May 6.
- Ferguson, Berlin S., assignor to The Marion Steam Shovel Company, Marion, Ohio. Excavating dipper. 1,755,438; Apr. 22.
- Ferguson, Berlin S., assignor to The Marion Steam Shovel Company, Marion, Ohio. Brake-operating device. 1,778,149; Oct. 14.
- Ferguson, Berlin S., assignor, by mesne assignments, to The Marion Steam Shovel Company, (1927), Marion, Ohio. Crawling traction truck. 1,781,170; Nov. 11.
- Ferguson Brothers Manufacturing Company. (See Hanley, William, assignor.)

- Ferguson, Charles, Ellis Island, N. Y. Ventilating apparatus. 1,786,200; Dec. 23.
- Ferguson, Gale L., assignor, by mesne assignments, to Auto Prime Pump Company, Cleveland, Ohio. Making impellers. 1,744,757; Jan. 28.
- Ferguson, Gale L., assignor, by mesne assignments, to Auto Prime Pump Company, Cleveland, Ohio. Pumping apparatus. 1,749,912; Mar. 11.
- Ferguson, Gale L., assignor, by mesne assignments, to Auto Prime Pump Company, Cleveland, Ohio. Apparatus for compressing air. 1,757,299; May 6.
- Ferguson, Gale L., assignor, by mesne assignments, to Auto Prime Pump Company, Cleveland, Ohio. Pumping apparatus. 1,757,300; May 6.
- Ferguson, Gale L., Muncie, Ind., assignor, by mesne assignments, to Auto Prime Pump Company, Cleveland, Ohio. Centrifugal pump impeller. 1,768,241; June 24.
- Ferguson, Gale L., assignor, by mesne assignments, to Auto Prime Pump Company, Cleveland, Ohio. Pumping apparatus. 1,768,242; June 24.
- Ferguson, Gale L., assignor, by mesne assignments, to Auto Prime Pump Company, Cleveland, Ohio. Priming means for centrifugal pumps. 1,768,243; June 24.
- Ferguson, Gale L., and C. G. Wood, assignors, by mesne assignments, to Auto Prime Pump Company, Cleveland, Ohio. Pumping apparatus. 1,768,313; June 24.
- Ferguson, Helen J., Omaha, Nebr. Curtain holder. 1,757,301; May 6.
- Ferguson, George, Winterthur-Wuldingen, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Internal-combustion engine. 1,746,306; Feb. 11.
- Ferguson, George, Winterthur, Wuldingen, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Double-acting internal-combustion engine. 1,776,895; Sept. 30.
- Ferguson, George, The Hague, Netherlands, assignor to the firm Gebrüder Sulzer Aktiengesellschaft at Winterthur. Absorption refrigerating machine. 1,756,148; Apr. 29.
- Ferguson, George, assignor to the firm of Sulzer Frères Société Anonyme, Winterthur, Switzerland. Absorption refrigerating machine. 1,770,607; July 15.
- Ferguson, George F., Jersey City, N. J., assignor to Railway Improvement Company, New York, N. Y. Liquid-feed-control device. 1,770,591; July 15.
- Ferguson, George M., Jersey City, N. J., and P. E. Harth, assignors to National Pigments & Chemical Company, St. Louis, Mo. Intercepting radiant energy. 1,775,276; Sept. 9.
- Ferguson, James E., assignor to The Max Glick Company, Cleveland, Ohio. Display easel. 1,742,854; Jan. 7.
- Ferguson, James R., assignor of one-half to W. H. Addington, Dallas, Tex. Electric motor-driven desk fan. 1,773,778; Aug. 26.
- Ferguson, John A., assignor of one-third to T. B. Sturges, Pittsburgh, Pa. Building unit and supporting means therefor. 1,778,315; Oct. 14.
- Ferguson, John E., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Base-pin-staking machine. 1,783,706; Dec. 2.
- Ferguson, John E., Bloomfield, R. W. Conn. Vauxhall, and W. A. Hoffman, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Automatic soldering machine. 1,783,642; Dec. 2.
- Ferguson, John E., Bloomfield, and B. E. Shackelford, East Orange, N. J., assignors to Westinghouse Lamp Company. Electron-discharge device. 1,745,921; Feb. 4.
- Ferguson and Lange Foundry Company. (See Erickson, Jacob S., assignor.)
- Ferguson and Lange Foundry Company. (See Martin, Robert W., assignor.)
- Ferguson and Lange Foundry Company. (See Pfender, Adolph, assignor.)
- Ferguson, Raley C., Wibaux, Mont. Headlight. 1,772,660; Aug. 12.
- Ferguson, Reginald. (See Bradshaw, R., and Ferguson.)
- Ferguson, Reginald, Montreal, Quebec, Canada, assignor, by mesne assignments, to Simmons Company, New York. 1,767,060; June 24.
- Ferguson, Robert B., Los Angeles, Calif., assignor to G. E. Harpham, San Francisco, Calif., trustee. Musical stringed instrument. 1,768,471; June 24.
- Ferguson, Thomas H. (See Hartzler, M. E., and Ferguson.)
- Ferguson, Warren T., Brookline, Mass. Spring cover. 1,777,300; Oct. 7.
- Ferguson, William, Flint, Mich. Dolly. 1,746,076; Feb. 4.
- Ferguson, William, Flint, Mich. Dolly. 1,746,077; Feb. 4.
- Ferguson, William, Flint, Mich. Sheet-metal bumping-out tool. 1,754,994; Apr. 15.
- Ferguson, William, Flint, Mich. Sheet-metal bumping-out tool. 1,767,659; June 24.
- Ferguson, William, Flint, Mich. Sheet-metal bumping-out tool. 1,783,077; Nov. 25.
- Ferguson, William, Flint, Mich. Bumping-out tool. 1,783,078; Nov. 25.
- Ferguson, William, Philadelphia, Pa., assignor to National Alroil Burner Company, Incorporated. Furnace. 1,764,292; June 17.
- Fergusson, John R., assignor to Pass & Seymour Incorporated, Syracuse, N. Y. Electric sign. 1,768,042; June 24.
- Ferko, Mathew, et al. (See Drahonovsky, John B., assignor.)
- Ferland, Joseph A., Norwood, Mass. Snow remover. 1,743,336; Jan. 14.
- Ferlin, John J. (See Goetz, H. W., and Clark, assignors.)
- Ferling, George W. (See Stoltz, C. F., and Ferling.)
- Fern, Millard, Juniata, Pa. Manifold attachment. 1,766,432; June 24.
- Fernandez, Frank C., Tucson, Ariz. Method and apparatus for making frozen confections. 1,758,567; May 13.
- Ferngren, Enoch T., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Process and apparatus for annealing glass. 1,744,377; Jan. 21.
- Ferngren, Enoch T., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass-feeding apparatus. 1,750,998; Mar. 18.
- Ferngren, Enoch T., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Producing sheet glass. 1,753,779; Apr. 8.
- Ferngren, Enoch T., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for drawing sheet glass. 1,781,452; Nov. 11.
- Fernhoff, F. B., trustee. (See Hoxie, George L., assignor.)
- Fernly, Joseph E., Philadelphia, Pa. Stroboscope. 1,771,210; July 22.
- Ferrabee, Gilbert. (See Frazer, J. W., and Ferrabee.)
- Ferranti, Limited. (See de Ferranti, Sebastian Z., assignor.)
- Ferrara, Edward, Mittineague, Mass. Air purifier for closed cars. 1,757,080; May 6.
- Ferrara, Gabriel, Tres Arroyos, Argentina. Heating apparatus for the carburized mixture. 1,786,233; Dec. 23.
- Ferrell, Dent. (See Helmholtz, A. W., and Ferrell.)
- Ferretti, Antonio, Milan, assignor to Società Invenzioni Brevetti Anonima Torino, Turin, Italy. Treating of animal-skin products. 1,777,831; Oct. 7.
- Ferretti, Antonio, Milan, assignor to Società Invenzioni Brevetti Anonima Torino, Turin, Italy. Treating of animal-skin products. 1,777,832; Oct. 7.
- Ferretti, Antonio, Milan, assignor to Società Invenzioni Brevetti Anonima Torino, Turin, Italy. Treating of animal-skin products. 1,777,833; Oct. 7.
- Ferretti, Antonio, Milan, assignor to Società Invenzioni Brevetti Anonima Torino, Turin, Italy. Treating of animal-skin products. 1,777,834; Oct. 7.
- Ferretti, Antonio, Milan, assignor to Società Invenzioni Brevetti Anonima Torino, Turin, Italy. Treating of animal-skin products. 1,777,835; Oct. 7.
- Ferretti, Antonio, Milan, assignor to Società Invenzioni Brevetti Anonima Torino, Turin, Italy. Treating of animal-skin products. 1,777,836; Oct. 7.
- Ferretti, Antonio, Milan, assignor to Società Invenzioni Brevetti Anonima Torino, Turin, Italy. Treating of animal-skin products. 1,777,837; Oct. 7.
- Ferretti, Antonio, Milan, assignor to Società Invenzioni Brevetti Anonima Torino, Turin, Italy. Treating of animal-skin products. 1,777,838; Oct. 7.
- Ferretti, Antonio, Milan, assignor to Società Invenzioni Brevetti Anonima Torino, Turin, Italy. Treating of animal-skin products. 1,777,839; Oct. 7.
- Ferretti, Antonio, and A. Corda, San Francisco, Calif. Parachute. 1,764,293; June 17.
- Ferrettie, Conrad. (See Van Dinter, G. L., and Ferrettie.)
- Ferrettie, Conrad, and G. W. Blair, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Combined shoe sole and heel. Des. 81,438; June 24.
- Ferric Engineering Company. (See Carrington, Frank G., assignor.)
- Ferrier, Albert, et al. (See Forget, Arthur, assignor.)
- Ferrier, Paul, Paris, France. Joint for molds operating by centrifugal force. 1,784,344; Dec. 9.
- Ferriera, Angelo S., San Jose, Calif. Ice-cream confection. Des. 81,778; Aug. 12.
- Ferriera, Angelo S., San Jose, Calif. Mold. 1,782,813; Nov. 25.
- Ferries, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Latch. Des. 82,805; Dec. 16.
- Ferring, Herbert O., Starbuck, Wash. Retaining valve for automatic straight-air brakes. 1,742,383; Jan. 7.
- Ferris, Curzon C., Elmira, N. Y. Display rack. 1,765,223; June 17.
- Ferris, Ervie A., Westwood, Calif. Device for controlling the travel of tong dogs for sawmill carriages. 1,781,220; Nov. 11.
- Ferris, Ervie A., Westwood, Calif. Differential truck for sawmill carriages. 1,781,221; Nov. 11.
- Ferris, Fannie, New York, N. Y. Bird-cage-perch cleaner. 1,759,739; May 20.
- Ferris, Harry H., Los Angeles, Calif. Calculating device. 1,770,304; July 8.
- Ferris, Henry C., Garden City, N. Y. Orthodontic dumb-bell. 1,749,632; Mar. 4.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Watering device. 1,774,876; Sept. 2.
- Ferris, Howard J., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Hay carrier. 1,759,549; May 20.
- Ferris, Howard J., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Door construction. 1,774,877; Sept. 2.
- Ferris, John P., assignor to The Oilgear Company, Milwaukee, Wis. Pump. 1,753,562; Apr. 8.

- Ferris, John P., assignor to The Oilgear Company, Milwaukee, Wis. Pump. 1,775,613; Sept. 9.
- Ferris, Lockwood W., Salt Lake City, Utah. Concentration of minerals by froth flotation. 1,784,280; Dec. 9.
- Ferris, Wallace A., Los Angeles, Calif. Electric weld form spacer. 1,756,187; Apr. 29.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Feed brake for milling machines and the like. 1,776,765; Sept. 23.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Latch. 1,748,707; Feb. 25.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Door latch. 1,763,692; June 17.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Latch. 1,763,693; June 17.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Doorbolt. 1,763,694; June 17.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Garage-door construction. 1,777,485; Oct. 7.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Spring catch. 1,778,851; Oct. 21.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Garage-door construction. 1,787,238; Dec. 30.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Garage-door construction. 1,783,378; Dec. 2.
- Ferris, William L., Westfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Fountain pen and stand therefor. 1,762,103; June 3.
- Ferris, William S. (See Adams, Arthur J., assignor.)
- Ferris, William S. (See Alfred, Torris H., assignor.)
- Ferris, William S. (See Harter, Evan C., assignor.)
- Ferris, William S., Elkhart, Ind. Chair or similar article. Des. 82,604; Nov. 25.
- Ferris, William S., Elkhart, Ind. Chair. 1,779,933; Oct. 28.
- Ferris, William S., Elkhart, Ind., and E. C. Harter, Sturgis, Mich. Chair. Des. 82,666; Dec. 2.
- Ferriter, John P., Watertown, and H. S. Bacon, Forest Hills, Mass. Safety fuse. 1,747,231; Feb. 18.
- Ferro-Arc Welding Company, Limited, The. (See Turner, Bertrand, assignor.)
- Ferro Chemicals, Inc. (See Franchot, Richard, assignor.)
- Ferro Chemicals, Inc. (See Franchot, R., and McElroy, assignors.)
- Ferro, Ernesto, assignor to Società Anonima C. E. A. T. Conduitori Elettrici ed Affini, Turin, Italy. Electrical cable. 1,743,268; Jan. 14.
- Ferro Stamping & Manufacturing Company. (See Lowe, Charles B., assignor.)
- Ferro Stamping Mfg. Co. (See Moore, Benjamin S., assignor.)
- Ferry, Joseph D., Harrisburg, Pa. Material treating and handling apparatus. 1,760,979; June 3.
- Fertik, Max, Brooklyn, N. Y. Amusement apparatus. 1,743,536; Jan. 14.
- Fertitta, Joseph J. (See Lewis, E. E. Zito, and Fertitta.)
- Fervers, Carl, Cologne-on-the-Rhine, Germany. Feeder or teats for feeding bottles. 1,759,568; May 20.
- Fesko, Thomas P., Ecorse, via Detroit, Mich. Convertible automobile body. 1,784,962; Dec. 16.
- Fessl, Ferdinand, assignor to Felten & Guillaume Fabrik elektrischer Kabel-, Stahl- und Kupferwerke Aktien-Gesellschaft, Vienna, Austria. Method of and apparatus for manufacturing strands for wire ropes. 1,779,309; Oct. 21.
- Fessler, Harrison H., Orwigsburg, Pa. Underwear. 1,764,252; June 17.
- Fessler, Marcus J., Syracuse, N. Y. Treating commercial gasoline for internal-combustion engines to remove and prevent the formation of carbon. 1,749,244; Mar. 4.
- Fessler, Robert V., Indianapolis, Ind. Lamp. Des. 80,566; Feb. 25.
- Fetcher, Kuri, Joliet, Ill. Aeroplane safety device. 1,765,972; June 24.
- Fetkenheuer, Bruno, Berlin-Reinickendorf, and H. Neumann, Berlin, Germany. Assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin. Magnetic alloy. 1,772,771; Aug. 12.
- Fetridge, William H. (See Breger, Irving, assignor.)
- Fetter, Charles H. (See Strieby, M. E., and Fetter.)
- Fetter, Charles H., Millburn, N. J., assignor to American Telephone and Telegraph Company. Transmission-level-controlling device. 1,777,355; Oct. 7.
- Fetz, Werner, assignor, by mesne assignments, to Cellized Oak Flooring, Inc., Memphis, Tenn. Wood-block flooring. 1,778,068; Oct. 14.
- Fetz, Werner, assignor to E. L. Bruce Company, Memphis, Tenn. Wood-block flooring. 1,778,069; Oct. 14.
- Fetzger, Paul. (See Trautman, E., and Fetzger.)
- Feibel, Albert, Krefeld, Germany. Weighting of silk. 1,749,699; Mar. 4.
- Feuerstein, Carl. (See Feuerstein, George M. and C.)
- Feuerstein, George M. and C., Algoma, Wis. Beet harvester. 1,765,224; June 17.
- Few, William B., Montrose, La. Ventilating lath bundles. 1,745,479; Feb. 4.
- Fey, Charles, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Cushion shoe for rammer and tamper butts. 1,757,562; May 6.
- Fey, Edmund C., San Francisco, Calif. Apparatus for indicating the accuracy of aim. 1,743,201; Jan. 14.
- Fey, Edmund C., San Francisco, Calif. Rifle range. 1,743,337; Jan. 14.
- Fey, Edmund, San Francisco, Calif. Toy pistol. 1,768,677; July 1.
- Feybusch, Martin, Brooklyn, N. Y. Method and apparatus for handling small articles. 1,779,425; Oct. 28.
- Feybusch, Martin, New York, N. Y., assignor to New Jersey Machine Corporation, Hoboken, N. J. Box. 1,786,143; Dec. 30.
- Feyens, François, assignor to Société Générale D'Etudes Industrielles, General Research Corporation, Société Anonyme, Brussels, Belgium. Stabilizer for use on motor vehicles. 1,769,503; July 1.
- Fiala, Joseph. (See Larsen, Einar G., assignor.)
- Fiat Società Anonima. (See Fornaca, Guido, assignor.)
- Fiat Società Anonima. (See Valletta, Vittorio, assignor.)
- Fiber-Glass Food Cover Co. (See Nelson, Leigh G., assignor.)
- Fibroc Insulation Company. (See Frederick, Louis T., assignor.)
- Fichtelberg, Benjamin, et al. (See Trippeda, C. S., and Dichiaro, assignors.)
- Fichtner, Edwin C., San Francisco, assignor of one-half to J. H. Simon, Oakland, Calif. Electric heater and thermostatic control therefor. 1,742,638; Jan. 7.
- Fick, Beulah B., Baltimore, Md. Drapery hook. 1,750,513; Mar. 11.
- Fick, Ferdinand E., South Euclid, Ohio. Snowplow. 1,779,090; Oct. 21.
- Fick, Otto W. (See Kantor, J., Fick, and Traxel.)
- Fickert, Philip Q., San Francisco, Calif. Clamping device. 1,747,623; Feb. 18.
- Fickinger, Emil H., et al. (See Allyn, Robert S., assignor.)
- Ficks Reed Company. (See Goodman, Avrom B., assignor.)
- Ficks Reed Company. (See Kirkpatrick, Marie, assignor.)
- Fidelity Electric Company, The. (See Bauzhoof, Charles P., assignor.)
- Fidelity Machine Company. (See Blaisdell, Sidney B., assignor.)
- Fidelity Machine Company. (See Larkin, Walter, assignor.)
- Fidelity Trust Company. (See Chaplin, Merle P., assignor.)
- Fidler, Harry E. (See Tenney, P. L., and Fidler.)
- Fiedler, Edward F., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Ignition-circuit-control mechanism. 1,762,970; June 10.
- Fiedler, Herman R., Lockland, and A. Grau, Sharon, Ohio, assignors, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Strip-shingle-cutting machine. 1,762,330; June 10.
- Fiedler, Sebastian O. A., assignor to L'Auxiliaire Des Chemins De Fer Et De L'Industrie, Paris, France. Hot-water feeding for boilers. 1,759,107; May 20.
- Fiegel, William J. (See Eggenweiler, C. W., and Fiegel.)
- Fiegel, William J., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Control means for molding machines. 1,775,239; Sept. 9.
- Fiegel, William J., and W. S. Enderich, assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich. Babbiting machine. 1,774,794; Sept. 2.
- Field, Arthur E. and U. G. Gray, and N. Harithas, Mechanic Falls, Me.; said Arthur E. Field and said U. G. Field assignors of one-sixth to N. Harithas. Automatic construction pick and dirt remover. 1,750,586; Mar. 11.
- Field, Burnham E., Douglaston, N. Y., assignor to Haynes Stellite Company. Alloy and cutting tool made therefrom. 1,750,796; Mar. 18.
- Field, Crosby, Yonkers, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Keg-impregnating device, etc. 1,751,140; Mar. 18.
- Field, Edward A., jr. (See Field, Edward A., and E. A., jr.)
- Field, Edward A. and E. A., jr., Chicago, Ill. Draft stabilizer. 1,783,418; Dec. 2.
- Field, Harry P., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,748,118; Feb. 25.
- Field, Henry P., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Car. 1,778,828; Oct. 21.
- Field, Herbert C., Windsor, Ontario, Canada, and E. G. Simpson, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Windshield regulator. 1,763,695; June 17.
- Field, James H. (See Jacob, S. M., and Field.)
- Field, Joseph C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Supervisory system. 1,743,711; Jan. 14.
- Field, Joseph C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Supervisory system. 1,747,821; Feb. 18.
- Field, Joseph C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote-control power system. 1,762,971; June 10.
- Field, Marshall S., assignor of forty per cent to C. H. Sniter and twenty per cent to J. C. Mohl, Davenport, Iowa. Air cleaner. 1,769,778; July 1.
- Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Polar neutral relay. 1,749,331; Mar. 4.
- Field, Ulysses G. (See Field, Arthur E. and U. G., and Harithas.)

Field, William T., Watertown, N. Y. Inserting valves. 1,743,338; Jan. 14.

Fiedler, Frederick D., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. High-voltage voltmeter. 1,764,294; June 17.

Fielding, John S., East Gary, Ind. Agricultural device. 1,755,247; Apr. 22.

Fields, Fred A., Enid, Okla. Well-drill jar. 1,775,673; Sept. 16.

Fields, John A., Seldovia, Alaska. Detachable and adjustable handle for cans. 1,748,758; Feb. 25.

Fiero, George M., Pittsburgh, Pa. Tie-rail clamp. 1,765,263; June 17.

Fiesselmann, Frederick. (See Tweddell, Oscar G., assignor.)

Fieux, Jean, assignor of one-half to Schneider & Cie., Paris, France. Ball bearing for shafts. 1,769,736; July 1.

Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail anchor. 1,754,420; Apr. 15.

Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail anchor. 1,754,421; Apr. 15.

Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail anchor. 1,777,750; Oct. 7.

Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail anchor. 1,777,840; Oct. 7.

Fifield, William A., Abbey, Saskatchewan, Canada. Shocker. 1,761,333; June 3.

Fifth Avenue Coach Company. (See Richardson, Joseph, assignor.)

Figari, Francesco, Genoa, Italy. Rigid joint, pipe, and its manufacture. 1,759,780; May 20.

Figg, George E., New York, N. Y. Necktie form. 1,777,790; Oct. 7.

Figg, George E., New York, N. Y. Bow tie. 1,780,418; Nov. 4.

Figueras, Pedro C., Habana, Cuba. Plow. 1,749,277; Mar. 4.

Fike, Roy H., Eagle, Idaho. Mechanical bucking horse. 1,784,183; Dec. 9.

Filander, Arthur H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Truck for railroad cars. 1,745,665; Feb. 4.

Filander, Arthur H., and G. T. Johnson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 1,745,664; Feb. 4.

Filby, Carlton W., Jefferson, Ohio. Reel for electric cables and the like. 1,748,283; Feb. 25.

Fildes, Frederick K., Altoona, Pa. Safety locking mechanism. 1,752,634; Apr. 1.

Fildes, Frederick K., Altoona, Pa. Drop-bottom shipping container. 1,760,305; May 27.

Fildes, Frederick K., Altoona, Pa. Closure operating and locking mechanism. 1,782,845; Nov. 25.

Filer & Stowell Co., The. (See Pelton, George M., assignor.)

Filicky, August A., San Francisco, Calif. Internal-combustion engine. 1,779,163; Oct. 21.

Filing Equipment Bureau, Incorporated. (See Charlton, Roy H., assignor.)

Filippone, Joseph. (See Discenza, J., and Filippone.)

Filkins, Oscar B., Stanton, Mich. Separating device. 1,768,244; June 24.

Filler, Henry G., and H. C. Filler, St. Peter, Minn. Railroad tie. 1,753,649; Apr. 8.

Filler, Herbert C. (See Filler, Henry G. and H. C.)

Filkwik Company. (See Shields, Andrew G., assignor.)

Filkwik Company. (See Smith, Clinton T., assignor.)

Fillmore, Charles G., Waltham, Mass. Rod-bending tool. 1,749,476; Mar. 4.

Film-Bau Corporation. (See Johnstone, Edward C., assignor.)

Filter Fabrics, Inc. (See Manning, Fred W., assignor.)

Filtrol Company of California. (See Baylis, Walter, assignor.)

Filtrol Company of California. (See Baylis, Walter S., assignor.)

Filtrol Company of California. (See Kelley, William, assignor.)

Finch, Fred F., San Francisco, Calif. Engine. 1,763,959; June 17.

Finch, James L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Deflector. 1,766,249; June 24.

Finch, Nathaniel, New York, N. Y. Tractor and trailer. 1,766,780; June 24.

Finch, Paul R., Des Moines, Iowa. Device for cleaning liquid containers. 1,764,160; June 17.

Finch, Rufus C., Rumson, N. J. Tray holder. Des. 82,082; Sept. 23.

Finch, Willis E. (See Stimpson, W. F., and Finch.)

Finckel, William H., jr. (See Linn, G. E., and Finckel, jr.)

Findlay Bros. Co. Limited. (See MacNabb, Keith C., assignor.)

Findlay, George P., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,760,942; June 3.

Findley, Hanna D. (See de Filippis, Raymond, assignor.)

Findriven Syndicaat. (See Meindersma, Wigger, assignor.)

Findriven Syndicaat, bestaande uit de heeren Dr. Wigger Meindersma te Wassenaar voor, et al. (See Meindersma, Wigger, assignor.)

Fine Art Foods, Incorporated. (See van der Linde, Victor, assignor.)

Fine, Bernard M. (See Cox, J. L., and Fine.)

Fine, Bernard M., assignor to Sanitary Products Corporation of America, Philadelphia, Pa. Machine for forming articles for sheet materials. 1,780,012; Oct. 28.

Fine, Bernard M., assignor to Sanitary Products Corporation of America, Philadelphia, Pa. Machine for forming articles from sheet material. 1,782,777; Nov. 25.

Fine Cotton Spinners & Doublers Association Limited, The. (See Bellhouse, Robert L., assignor.)

Finer, Aubrey C., London, England. Toilet mirror. 1,768,043; June 24.

Fingerprint Machine Corporation. (See Glass, Charles F., assignor.)

Fingland, John J. (See Blaylock, S. G., Fingland, and Lee.)

Fink, Colin G., New York, N. Y., and C. H. Eldridge, Metuchen, N. J., assignor to Chemical Treatment Company, Inc., New York, N. Y. Protective metal coating and process and apparatus for producing the same. 1,786,398; Dec. 23.

Fink, Henry A. (See Pahl, F. A., and Fink.)

Fink, Henry A., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 1,761,714; June 3.

Fink, John H. (See Benner, R. C., and Fink.)

Fink, William L. (See Archer, R. S., and Fink.)

Finkbeiner, Daniel T., Beaver, Pa. Fence clamp. 1,766,890; June 24.

Finkbone, Benjamin P., assignor to The American Rolling Mill Company, Middletown, Ohio. Galvanizing sheet metal. 1,776,852; Sept. 30.

Finkel, William A., Washington, D. C. Sleeve form. 1,749,032; Mar. 4.

Finkelstein, Hershel, New York, N. Y. Shoe. 1,772,179; Aug. 5.

Finkelstein, Samuel. (See Nachman, L., and Finkelstein.)

Finkelstein, William, Philadelphia, Pa. Traveling bag. 1,742,204; Jan. 7.

Finkelstein, William, Philadelphia, Pa. Hand-bag frame. 1,762,013; June 3.

Finken, Hermann, Rodenkirchen, near Cologne, Germany. Pruning shears. 1,760,232; May 27.

Finlayson, Frank E., Schenectady, N. Y., assignor to General Electric Company. Sewing machine. 1,783,836; Dec. 2.

Finley, Alden E., Groton, Conn. Combined container and testing base for electrical instruments. 1,758,568; May 13.

Finley, Charles A., Rutherford, N. J., assignor to Boorum & Pease Company, Brooklyn, N. Y. Visible-loose-leaf device. 1,765,141; June 17.

Finley, Charles A., Rutherford, N. J., assignor to Boorum & Pease Company, Brooklyn, N. Y. Visible-loose-leaf device. 1,765,225; June 17.

Finley, Clarence D., Detroit, Mich. Piston. 1,771,751; July 29.

Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Paper and making the same. 1,747,232; Feb. 18.

Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Shingle. 1,773,352; Aug. 19.

Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Sheathing. 1,776,254; Sept. 23.

Finley, Harry P., assignor of one-half to T. Coleman, Little Rock, Ark. Sustaining and stabilizing attachment for airplanes. 1,755,058; Apr. 15.

Finley, Robert G., Norman, Okla. Safety latch for bar pins, brooches, and the like. 1,773,084; Aug. 12.

Finley, Sam E., Atlanta, Ga. Surfacing roads. 1,750,096; Mar. 11.

Finley, Thomas M., St. Louis, Mo. Flying machine. 1,750,097; Mar. 11.

Finley, William A., Birmingham, Ala. Radiator. 1,766,250; June 24.

Finn, Alfred J., Bloomfield, N. J., and P. L. Myer, Ozone Park, assignors to The Western Union Telegraph Company, New York, N. Y. Automatic stroke-corrector circuit. 1,749,738; Mar. 4.

Finn, Matthew M., Sioux City, Iowa. Street indicator. 1,750,999; Mar. 18.

Finn, Robert R. (See Bysshe, E. T., and Finn.)

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,753,406; Apr. 8.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,761,011; June 3.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,774,549; Sept. 2.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Washer-loading device. 1,783,232; Dec. 2.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Washer-loading device. 1,783,233; Dec. 2.

- Finnegan, Herman L., and P. O. Lanham, assignors to H. Edwards, Kansas City, Mo. Radiocabinet or similar article. Des. 82,667; Dec. 2.
- Finnegan, John J., Port Stanley, Ontario, Canada. Anti-skid device for motor vehicles. 1,757,362; May 6.
- Finnegan, Wilfred A., Bangor, Me. Knockdown holder for Christmas trees and other articles. 1,748,759; Feb. 25.
- Finnegan, Wilfred A., Bangor, Me. Socket reducer. 1,769,127; July 1.
- Finnell, Simpson, Hamburg, Iowa. Cornstalk cutter. 1,761,983; June 3.
- Finnell, Walter S., Elkhart, Ind. Frame for a mopping machine. Des. 81,779; Aug. 12.
- Finnell, Walter S., Elkhart, Ind. Housing for floor-treating machine. Des. 81,874; Aug. 26.
- Finnell, Walter S., Hannibal, Mo. Scrub-water receptacle. 1,748,336; Feb. 25.
- Finnell, Walter S., Elkhart, Ind. Receptacle for mopping machines. 1,767,840; June 24.
- Finnelly, Grace. (See Finnelly, John T. and G.)
- Finnelly, John T., and G., Mullan, Idaho. Kettle base. 1,744,460; Jan. 21.
- Finney, Alfred C., Upper Darby, Pa., assignor to General Electric Company. Protective arrangement. 1,765,264; June 17.
- Finney, Curtis W., Detroit, Mich. Valve-spring retainer. 1,775,069; Sept. 2.
- Finney, Harry M. (See Sutton, Frank L., assignor.)
- Finney, James M. (See Schroeder, Anthony, assignor.)
- Finsen, Eyvind, assignor to Gleason Works, Rochester, N. Y. Gear-generating machine. 1,780,350; Nov. 4.
- Finska Forcitt-Dynamit Aktiebolaget. (See Andelin, Anton E., assignor.)
- Finstad, Thea, Minneapolis, Minn. Mop. 1,773,578; Aug. 19.
- Fintel, Henry, Hardy, Nebr. Chicken roost. 1,760,748; May 27.
- Fireproof Wall Company. (See Makowski, John F., assignor.)
- Firestone, Floyd, assignor to The Regents of the University of Michigan, Ann Arbor, Mich. Electrical apparatus. 1,783,234; Dec. 2.
- Firestone Steel Products Company, The. (See Carroll, Dallas C., assignor.)
- Firestone Steel Products Company, The. (See Kuhn, Max O., assignor.)
- Firestone Steel Products Company, The. (See Swain, Joseph G., assignor.)
- Firestone Tire and Rubber Company, The. (See Brown, Roy W., assignor.)
- Firestone Tire and Rubber Company, The. (See Bines, W. H., and Corlett, assignors.)
- Firestone Tire & Rubber Company, The. (See Bowman, Robert H., assignor.)
- Firestone Tire & Rubber Company, The. (See Hulslander, Ray D., assignor.)
- Firestone Tire and Rubber Company, The. (See Martin, John I., assignor.)
- Firestone Tire & Rubber Company, The. (See Myers, N. H., and Goodall, assignors.)
- Firestone Tire & Rubber Company, The. (See Nichols, George B., assignor.)
- Firestone Tire & Rubber Company, The. (See Pade, Max H., assignor.)
- Firestone Tire and Rubber Company, The. (See Putt, Edward D., assignor.)
- Firestone Tire and Rubber Company, The. (See Ritchey, Roscoe V., assignor.)
- Firestone Tire and Rubber Company, The. (See Russell, Ronald F., assignor.)
- Firestone Tire and Rubber Company, The. (See Stevens, Horace D., assignor.)
- Firestone Tire and Rubber Co., The. (See Stevens, William C., assignor.)
- Firestone Tire and Rubber Company, The. (See Tenney, Frederick H., assignor.)
- Firestone Tire and Rubber Company, The. (See Thomas, J. C., and Bines, assignors.)
- Firestone Tire and Rubber Company, The. (See Uschmann, Curt, assignor.)
- Firestone Tire and Rubber Company, The. (See Vincent, Ray D., assignor.)
- Firestone, Vance S., and D. Sward, assignors to Arcade Manufacturing Company, Freeport, Ill. Latch. 1,774,260; Aug. 26.
- Firex Extinguisher Company, The. (See Wilcox, Frank T., assignor.)
- Firing, Ludvig. (See Monk, R. H., and Firing.)
- Firl, Milton, Meyersdale, Pa. Holder for buckets and other containers. 1,772,392; Aug. 5.
- Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Hohn, Max P. E., assignor.)
- Firma G. Sauerbrey Maschinenfabrik Aktiengesellschaft. (See von Radolin, Peter, assignor.)
- Firmin, Philip, Washington, D. C. Food product. 1,769,215; July 1.
- Firsching, Joseph A., Utica, N. Y. Knitted fabric and producing the same. 1,749,245; Mar. 4.
- Firsching, Joseph A., Utica, N. Y. Method and apparatus for treating artificial silk. 1,770,592; July 15.
- First National Bank, The. (See Petroff, G., and Shestakoff, assignors.)
- First National Bank and Trust Company of Pearl River, New York, The, executor. (See Christophel, Carl E., assignor.)
- Fir-Tex Insulating Board Co. (See Millington, Arthur E., assignor.)
- Firth, Rita, Cleveland, Ohio. Toy dog. Des. 80,559; Feb. 18.
- Firtion, Harold L., Warehouse Point, Conn. Winder. 1,748,119; Feb. 25.
- Fisch, James H., Barnesville, Minn. Pond-ice saw. 1,770,467; July 15.
- Fischbacher, Henry L., Boston, Mass. Oven scoop. 1,781,635; Nov. 11.
- Fischbach, John M., El Monte, Calif. Hydraulic socket. 1,757,363; May 6.
- Fischer, Adalbert K., Philadelphia, Pa. Electric heater. 1,771,752; July 29.
- Fischer, Albert. (See Wahl, H., and Fischer.)
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,742,650; Jan. 7.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Expansion joint for concrete roads. 1,742,651; Jan. 7.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Building material. 1,743,764; Jan. 14.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Composition constructional unit. 1,743,765; Jan. 14.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Separating strip for the subdivision of concrete or the like structure. 1,743,766; Jan. 14.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Composition slab. 1,744,303; Jan. 21.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional unit and making same. 1,744,304; Jan. 21.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Construction material. 1,744,378; Jan. 21.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material and making same. 1,744,714; Jan. 21.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional strip and making same. 1,748,016; Feb. 18.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,751,196; Mar. 18.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Rail filler. 1,753,563; Apr. 8.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Preformed expansion joint. 1,755,107; Apr. 15.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Preformed rail filler. 1,755,108; Apr. 15.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Combined contraction and expansion joint. 1,762,682; June 10.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Construction material. 1,769,627; July 1.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Roofing material. 1,769,628; July 1.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material and making same. 1,769,629; July 1.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,769,630; July 1.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Device for producing slits, grooves, or the like in the surface of monolithic structures. 1,769,631; July 1.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,769,632; July 1.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,769,633; July 1.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,769,634; July 1.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material and making same. 1,769,635; July 1.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Reinforced expansion joint. 1,769,828; July 1.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Contraction joint. 1,769,989; July 8.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Paving joint. 1,769,990; July 8.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Expansion joint. 1,770,167; July 8.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Combined expansion and contraction joint. 1,770,168; July 8.

- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,770,356; July 8.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,770,357; July 8.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Paving joint. 1,770,358; July 8.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Support for separating strips. 1,770,359; July 8.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Composition of matter. 1,770,360; July 8.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Packaging sealing means for expansion joints. 1,770,361; July 8.
- Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Rail-expansion-sound deadener. 1,771,079; July 22.
- Fischer, Anton, Furtwangen, Germany. Electrogalvanic medical apparatus. 1,753,854; Apr. 8.
- Fischer, Arthur L., Cleveland Heights, assignor to The Republic Brass Company, Cleveland, Ohio. Pipe joint or connection. 1,781,222; Nov. 11.
- Fischer, Carl T., Louisville, Ky. Sausage and meat mold. 1,779,119; Oct. 21.
- Fischer, Charles, New York, N. Y. Handle for pipe cleaners. 1,782,871; Nov. 25.
- Fischer, Deszo. (See Kardos, J., and Fischer.)
- Fischer, Erich. (See Eichwede, H., and Fischer.)
- Fischer, Erich. (See Wagner, H., Eichwede, and Fischer.)
- Fischer, Erich, Höchst-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyeing cellulose esters or cellulose ethers. 1,755,640; Apr. 22.
- Fischer, Erich, and C. B. Müller, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing and printing cellulose esters and cellulose ethers. 1,765,142; June 17.
- Fischer, Ernest, Budapest, Hungary. Orthopedic appliance. 1,768,898; July 1.
- Fischer, Ernst. (See Runne, E., Moldaenke, and Fischer.)
- Fischer, Ernst. (See Thiess, K., and Fischer.)
- Fischer, Ernst, Berlin-Templehof, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany. Manufacture of telegraph and telephone conductors. 1,742,639; Jan. 7.
- Fischer, F. L. (See Eichhorn, Wilhelm, assignor.)
- Fischer, Ferdinand, Berlin, Germany. Offset printing machine. 1,750,587; Mar. 11.
- Fischer, Frank, Rye, N. Y., and A. F. Van Pelt, Interlaken, N. J., assignors to Grant Oil Burner Corporation, Wilmington, Del. Electrical spark control for burners. 1,755,390; Apr. 22.
- Fischer, Franz J., assignor to Koch & Sterzel, Aktiengesellschaft, Dresden, Germany. Current transformer. 1,765,913; June 24.
- Fischer, Franz J., assignor to Koch & Sterzel, Aktiengesellschaft, Dresden, Germany. Current transformer. 1,778,253; Oct. 14.
- Fischer, Franz, and H. Tropsch, Mulheim-on-the-Ruhr, Germany. Production of paraffin hydrocarbons with more than one carbon atom. 1,746,464; Feb. 11.
- Fischer, Friedrich B., executor. (See Laube, Clemens O. K.)
- Fischer, Friedrich G., Detroit, Mich. Household heating utensil. 1,762,014; June 3.
- Fischer, Fritz. (See Thomas P., and Fischer.)
- Fischer, George. (See Bronn, J. I., and Fischer.)
- Fischer, George, et al. (See Kugler, Heinrich, assignor.)
- Fischer, H. G., & Co. (See Osborn, Howard H., assignor.)
- Fischer, Hans, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Tripping mechanism for printing presses. 1,779,310; Oct. 21.
- Fischer, Herbert G. M., Westfield, N. J., assignor to Standard Oil Development Company. Removing ash-forming constituents from oil. 1,760,129; May 27.
- Fischer, Herbert G. M., Westfield, N. J., assignor to Standard Oil Development Company. Purification of hydrocarbon oils. 1,767,356; June 24.
- Fischer, Herbert, and L. Grodnitzky, Darmstadt, Germany. Cooling device. 1,775,819; Sept. 16.
- Fischer, Herman. (See Kardos, J., and Fischer, assignors.)
- Fischer, Hermann, Berlin-Neukölln, Germany. Internal-combustion engine. 1,770,608; July 15.
- Fischer, Hinko, assignor to Lübecker Maschinenbau-Gesellschaft, Lübeck, Germany. Excavating tool for ditching or dredging machines. 1,763,769; June 17.
- Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Perpetual calendar. Des. 82,806; Dec. 16.
- Fischer, John H., Wheeling, W. Va. Spark-plug tester. 1,745,157; Jan. 28.
- Fischer, John H., assignor to Eagle Pencil Company, New York, N. Y. Compass or similar article. Des. 82,807; Dec. 16.
- Fischer, Julius A., Philadelphia, Pa. Tone arm. 1,752,245; Mar. 25.
- Fischer, Kuno, assignor to Süddeutsche Tele-Fon-Apparate-Kabel- und Drahtwerke A.-G., Nuremberg, Germany. Long-distance cable installation. 1,784,184; Dec. 9.
- Fischer, Max M., Brooklyn, N. Y. Automobile radiator screen. Des. 82,491; Nov. 11.
- Fischer, Oscar A., Denver, Colo. Separating metallic compounds. 1,779,841; Oct. 28.
- Fischer, Oscar A., Denver, Colo., assignor to R. H. Channing, jr., agent, San Francisco, Calif. Purification of zinc sulphate liquors. 1,761,782; June 3.
- Fischer, Oskar, Plauen/Vogtland, Germany. Warp-knotting machine. 1,762,656; June 10.
- Fischer, Otto. (See Goldberg, E., and Fischer.)
- Fischer, Otto, assignor to the firm: I C A, Aktiengesellschaft, Dresden, Germany. Cinematographic camera. 1,772,772; Aug. 12.
- Fischer, Paul, New York, N. Y. Railroad-crossing gate and train stop. 1,780,520; Nov. 4.
- Fischer, Samuel, and J. J. Breslin, Brooklyn, N. Y. Sign. 1,754,153; Apr. 8.
- Fischer, Theodore, Chicago, Ill. Shipping carton. 1,744,956; Jan. 28.
- Fischer, Walter S., assignor to The Willys-Overland Company, Toledo, Ohio. Tool and method for removing generators. 1,753,780; Apr. 8.
- Fischer, Walter S., assignor to The Willys-Overland Company, Toledo, Ohio. Sleeve-valve engine and oiling means. 1,754,189; Apr. 8.
- Fischer, William, New York, N. Y. Extension holder for eyeglasses. 1,751,804; Mar. 25.
- Fischesser, Alfred, Fechenheim, near Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Discharging dyed cellulose-acetate materials. 1,747,540; Feb. 18.
- Fischler, Bernard, Brooklyn, N. Y., assignor, by mesne assignments, to The Columbus Dental Manufacturing Co., Columbus, Ohio. Pontic for bridgework. 1,781,899; Nov. 18.
- Fischler, Paul E., Bay City, Mich. Magnetic reproducer. 1,780,419; Nov. 4.
- Fischman, I., & Sons. (See Allwine, Eugene E., assignor.)
- Fish, Charles S., assignor to Boutell Manufacturing Co., Rochester, N. Y. Apple-paring machine. 1,745,158; Jan. 28.
- Fish, David L., New Haven, Conn. Lighting attachment for sewing machines and the like. 1,772,934; Aug. 12.
- Fish, Fred O., Winchester, Mass. Golf practice apparatus or game. 1,759,156; May 20.
- Fish, Fred O., Winchester, Mass. Machine for making golf tees. 1,764,295; June 17.
- Fish, Lewin B., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Cable clamp and bridle ring. 1,742,243; Jan. 7.
- Fish, Lewin B., Maplewood, N. J., and E. St. John, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Cable clamp and bridle ring. 1,763,770; June 17.
- Fish, Mortimer W., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,768,591; July 1.
- Fishback, George L., and R. Y. MacIntyre, assignors to The MacIntyre-Fishback Mfg. Co., Pueblo, Colo. Overall suit. 1,744,695; Jan. 21.
- Fishback, Robert W., Los Angeles, Calif. Lockable bolt nut. 1,786,201; Dec. 23.
- Fishbourne, Frank, Wharton, N. J. Drying rack for fire hose. 1,747,109; Feb. 11.
- Fishburn, Otto E., assignor to Warner Gear Company, Muncie, Ind. Gear-shifter lever. 1,762,132; June 3.
- Fishel, Orville G. (See Freshwater, P. G., and Fishel.)
- Fisher, Albert H., East Cleveland, Ohio, assignor to H. B. Sabin, Cleveland, Ohio. Litter-gathering device. 1,780,748; Nov. 4.
- Fisher, Alexander, Chicago, Ill. Combination tail and stop light. Des. 82,880; Dec. 23.
- Fisher, Alexander D., Toronto, Ontario, Canada. Manufacture of chocolate confectionery. 1,760,900; June 3.
- Fisher, Alexander D., Toronto, Ontario, assignor to The Design-O-Graph Limited, Toronto, Canada. Geometric scribing machine. 1,763,885; June 17.
- Fisher, Anna M., Los Angeles, Calif. Message holder. 1,781,752; Nov. 18.
- Fisher, Arthur W., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,744,379; Jan. 21.
- Fisher, Arthur W., Forest Hills Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of electric lamps. 1,767,582; June 24.
- Fisher, Bart, Oak Park, Ill. Fish lure. 1,778,214; Oct. 14.
- Fisher, Benjamin F., Lehigh, Iowa. Exercising device. 1,746,111; Feb. 4.
- Fisher Brass Company, The. (See Fisher, George W., assignor.)
- Fisher, Carl G., Montauk, N. Y. Lifeboat. 1,769,500; July 1.
- Fisher, Charles, San Francisco, Calif. Parachute. 1,786,838; Dec. 30.
- Fisher, Charles, Newark, N. J., assignor to The Automatic Recording Safe Company, Chicago, Ill. Savings bank. 1,747,766; Feb. 18.
- Fisher, Charles, deceased, New York, and C. D. Fisher, Beacon, N. Y.; L. S. Gatter, executor. Educational toy and display device. 1,785,442; Dec. 16.
- Fisher, Charles A., Kannapolis, N. C. Jacquard-loom cylinder. 1,773,305; Aug. 19.
- Fisher, Charles A., and C. J. Keitner, assignors to Cannon Mills Company, Kannapolis, N. C. Mechanism for Jacquard looms. 1,773,528; Aug. 19.
- Fisher, Charles D. (See Fisher, Charles and C. D.)
- Fisher, Charles J. (See Jameson, J. L., and Fisher.)

- Fisher, Charles R., and F. V. N. Bradley, Rogers City, Mich. Protecting ships from collisions and radio apparatus therefor. 1,767,749; June 24.
- Fisher, Charley W., Coffeyville, Kans., assignor to Robinson Packer Company, Tulsa, Okla. Bottom-hole packer. 1,749,033; Mar. 4.
- Fisher, David, assignor to Paden City Glass Manufacturing Company, Paden City, W. Va. Compartment tray. Des. 81,130; May 13.
- Fisher, Dewey L. Z., Crystal Springs, Ark. Animal trap. 1,759,048; May 20.
- Fisher, Edward J., Jackson Heights, assignor to Lavender Line, Inc., New York, N. Y. Savings bank. 1,781,920; Nov. 18.
- Fisher, Ernest F., St. Louis, assignor to Fanaire Heater Company, St. Louis, Mo. Radiant heater. 1,754,232; Apr. 15.
- Fisher, Frank, New York, N. Y. Christmas-tree-ornament fastener. 1,747,892; Feb. 18.
- Fisher, Frank, New York, N. Y. Christmas-tree-ornament fastener. 1,747,893; Feb. 18.
- Fisher, Frank C., Toledo, Ohio. Indicator for weighing scales. 1,786,058; Dec. 23.
- Fisher, Frank E., Glen Arbor, Mich. Spark arrester. 1,773,035; Aug. 12.
- Fisher, Frederick E., Sudbrook Park, Md., assignor to General Electric Company. Operating mechanism for electric switches. 1,760,547; May 27.
- Fisher, Garfield W., and C. G. Henrikson, assignor to The National Tile Company, Anderson, Ind. Mold for tiles. 1,768,045; June 24.
- Fisher, Gathorne J., Briarlea, Penygarn, Pontypool, Wales. Belt conveyer. 1,762,772; June 10.
- Fisher, George H., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiving set. 1,759,610; May 20.
- Fisher, George W., assignor to The Fisher Brass Company, Marysville, Ohio. Dishwashing fixture. 1,767,841; June 24.
- Fisher Governor Company, The. (See Browne, Lyle W., assignor.)
- Fisher Governor Company, The. (See Peterson, Charles D., assignor.)
- Fisher, Harry C., Cincinnati, Ohio, assignor, by mesne assignments, to Philip Carey Manufacturing Co. Coloring granular slate and the like. 1,742,440; Jan. 7.
- Fisher, Harry C., Cincinnati, Ohio, assignor, by mesne assignments, to The Philip Carey Manufacturing Company. Coloring granulated slate. 1,766,891; June 24.
- Fisher, Harry C., Cincinnati, Ohio, assignor, by mesne assignments, to The Philip Carey Manufacturing Company. Coloring mineral granules. 1,766,892; June 24.
- Fisher, Harry C., Cincinnati, Ohio, assignor, by mesne assignments, to The Philip Carey Manufacturing Company. Coloring slate granules. 1,782,648; Nov. 25.
- Fisher, Harry C., Cincinnati, Ohio, assignor, by mesne assignments, to The Philip Carey Manufacturing Company. Forming grayish-black slate granules. 1,782,649; Nov. 25.
- Fisher, Harry C., Lockland, Ohio, assignor, by mesne assignments, to The Philip Carey Manufacturing Company. Coloring mineral granules. 1,766,814; June 24.
- Fisher, Harry C., Lockland, Ohio, assignor, by mesne assignments, to The Philip Carey Manufacturing Company. Coloring mineral matter. 1,766,815; June 24.
- Fisher, Harry G., assignor to Delco-Light Company, Dayton, Ohio. Water system. 1,749,877; Mar. 11.
- Fisher, Harry G., assignor to Delco Light Company, Dayton, Ohio. Water pump. 1,768,592; July 1.
- Fisher, Harry H., Syracuse, N. Y. Slicing machine. 1,772,135; Aug. 5.
- Fisher, Harry L., Leonia, N. J., assignor to The B. F. Goodrich Company, New York, N. Y. Cellular composition and making same. 1,786,563; Dec. 30.
- Fisher, Harry L., and H. A. Winkelmann, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Rubber derivative and making same. 1,782,140; Nov. 18.
- Fisher, Henry F., Los Angeles, Calif. Radiator cap. 1,742,700; Jan. 7.
- Fisher, Henry H., Detroit, Mich. Sleeve protector. 1,762,549; June 10.
- Fisher, Henry J., assignor to Novo Engine Company, Lansing, Mich. Internal-combustion engine. 1,751,625; Mar. 25.
- Fisher, Henry L., Chicago, Ill., assignor to International Harvester Company. Grate-bar spacer for thrashers. 1,769,128; July 1.
- Fisher, Herman A., Hammond, Ind. Annealing box. 1,778,798; Oct. 21.
- Fisher, Howard J., Crestline, Ohio. Motor-vehicle hood lock. 1,748,875; Feb. 25.
- Fisher, Irving, New Haven, Conn. Comparascope. 1,755,596; Apr. 22.
- Fisher, Isaac W., Long Beach, Calif. Weed cutter. 1,785,443; Dec. 16.
- Fisher, J. M., Company. (See Barrowman, Arthur H., assignor.)
- Fisher, James, New Orleans, La. Roller mill used for manufacturing sugar. 1,757,903; May 6.
- Fisher, James B., assignor to Waukesha Motor Company Waukesha, Wis. Bearing structure. 1,748,120; Feb. 25.
- Fisher, James B., assignor to Waukesha Motor Company, Waukesha, Wis. Crank-case construction. 1,775,852; Sept. 16.
- Fisher, James P., Bartlesville, Okla., B. Greenfield, Jackson Heights, N. Y., and N. M. Hutchinson, Oil Hill, Kans., assignors to Doherty Research Company, New York, N. Y. Gas-burning device. 1,758,790; May 13.
- Fisher, James P., Bartlesville, Okla., assignor to Empire Gas and Fuel Company, Dover, Del. Heat-interchange apparatus. 1,777,356; Oct. 7.
- Fisher, James P., Bartlesville, Okla., assignor, by mesne assignments, to Burgess-Parr Company, Moline, Ill. Gas calorimeter. 1,779,373; Oct. 21.
- Fisher, James P., B. Greenfield, and N. M. Hutchinson, Bartlesville, Okla., assignors to Doherty Research Company, New York, N. Y. Combined burner and regulator unit. 1,758,828; May 13.
- Fisher, John H., Hollis, Long Island, assignor of one-half to C. H. Goddard, New York, N. Y. Instrument for examining the interior of gun barrels. 1,775,452; Sept. 9.
- Fisher, Joseph, Beacon Falls, Conn. Hinge. 1,754,013; Apr. 8.
- Fisher, Joseph B., Strathmore, Calif. Toy gun. 1,748,215; Feb. 25.
- Fisher, Joseph G., Newark, N. J. Crystal pendant. Des. 81,574; July 15.
- Fisher, Lee F., St. Louis, Mo. Heater. 1,758,658; May 13.
- Fisher, Lewis J., Reedsburg, Wis. Air-heating system. 1,766,816; June 24.
- Fisher, Pius A., Kansas City, Mo. Portable power appliance. 1,749,806; Mar. 11.
- Fisher, Quincy, Ottawa, Kans. Self-cleaning lawn rake. 1,766,017; June 24.
- Fisher, Robert W., assignor to P. Riess, Chicago, Ill. Luminous sign. 1,785,341; Dec. 16.
- Fisher, Russell W., Noblesville, Ind. Spring suspension for vehicle bodies. 1,767,750; June 24.
- Fisher, Stanley L., Chester, Conn., assignor to Pratt Read Player Action Company, Deep River, Conn. Connecting rod for air pumps. 1,754,618; Apr. 15.
- Fisher, Stanley L., Chester, assignor to Pratt Read Player Action Company, Deep River, Conn. Automatic musical instrument. 1,770,394; July 15.
- Fisher, Thomas, Minatare, Nebr. Combined tail light and license plate. 1,786,564; Dec. 30.
- Fisher, Walter S., assignor to The Willys-Overland Company, Toledo, Ohio. Internal-combustion-engine oil strainer. 1,759,447; May 20.
- Fisher, Walter S., assignor to The Willys-Overland Company, Toledo, Ohio. Engine-oil strainer. 1,773,134; Aug. 19.
- Fisher, Wilbur A., Temple, Tex. Condiment holder. Des. 82,808; Dec. 16.
- Fisher, William, and C. Smith, Bradford, England. Automatic releasing wrench. 1,775,995; Sept. 16.
- Fisher, William C., assignor to Russell Manufacturing Company, Middletown, Conn. Friction element. 1,754,233; Apr. 15.
- Fisher, William J., assignor to A. B. Farquhar Co. Limited, York, Pa. Ground-working implement. 1,764,944; June 17.
- Fishman, Aaron, Chicago, Ill. Display insert. 1,759,189; May 20.
- Fishman, Morris, Detroit, Mich. Bathtub cushion and mat. 1,759,348; May 20.
- Fisk, Ernest, Chicago, and A. H. Kahlenberg, Oak Park, assignors to Friedley-Voshardt Co., Chicago, Ill. Nozzle for dishwashers. 1,775,162; Sept. 9.
- Fisk, Gustaf L., Midland, Pa. Valve and operating same. 1,778,070; Oct. 14.
- Fisk, Gustaf L., Midland, assignor to Blaw-Knox Company, Pittsburgh, Pa. Table roller. 1,748,473; Feb. 25.
- Fisk, Gustaf L., Midland, assignor to Mesta Machine Company, West Moneystead, Pa. Cooling bed. 1,761,470; June 3.
- Fisk, Gustaf L., Midland, assignor to Blaw-Knox Company, Pittsburgh, Pa. Flexible roller. 1,768,044; June 24.
- Fisk, Jesse F., Chicago, Ill., assignor of one-half F. P. Walsh, New York, N. Y. Valve mechanism for internal-combustion engines. 1,763,460; June 10.
- Fisk, R. R. (See Cheakas, G. G., and Martin, assignors.)
- Fisk Rubber Company, The, et al. (See Swern, William E., assignor.)
- Fisk Rubber Company, The. (See Benson, Fred J., assignor.)
- Fisk Rubber Company, The. (See Desautels, Charles H., assignor.)
- Fisk Rubber Company, The. (See Healy, Leon J. D., assignor.)
- Fisk Rubber Company, The. (See Kroll, Harold J., assignor.)
- Fisk Rubber Company, The. (See Krusell, Lars G., assignor.)
- Fisk Rubber Company, The. (See Lehman, Paul W., assignor.)
- Fisk Rubber Company, The. (See Little, Thomas P., assignor.)
- Fisk Rubber Company, The. (See Littlefield, Lloyd M., assignor.)
- Fisk Rubber Company, The. (See Mather, George L., assignor.)
- Fisk Rubber Company, The. (See Maynard, Charles E., assignor.)

- Fisk Rubber Company, The. (See Mead, George J., assignor.)
- Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)
- Fisk Rubber Company, The. (See Peterson, John A., assignor.)
- Fisk Rubber Company, The. (See Scherner, John, assignor.)
- Fisk Rubber Company, The. (See Smith, Harry L., assignor.)
- Fisk Rubber Company, The. (See Vrbanac, John, assignor.)
- Fisk Rubber Company, The. (See Wikle, George F., assignor.)
- Fisk Rubber Company, The. (See Wood, Harley C., assignor.)
- Fisk, William T., assignor to Master Woodworker Mfg. Co., Detroit, Mich. Woodworking machine. 1,787,191; Dec. 30.
- Fiske, Augustus H., assignor to Rumford Chemical Works, Providence, R. I. Baking powder. 1,775,037; Sept. 2.
- Fiske, Augustus H., assignor to Rumford Chemical Works, Providence, R. I. Purifying phosphoric acid and the like. 1,787,192; Dec. 30.
- Fiske, Augustus H., Warren, assignor to Rumford Chemical Works, Providence, R. I. Leavening preparation. 1,787,193; Dec. 30.
- Fiske, Bradley A., New York, N. Y. Reading machine. 1,742,640; Jan. 7.
- Fisler, John R., St. Louis, Mo. Purse. 1,762,091; June 3.
- Fisette, William A., et al. (See Gervaise, Theophile, assignor.)
- Fister, Charlie, Seattle, Wash. Window antirattler and fastener. 1,766,332; June 24.
- Fitch, Benjamin F., Evanston, Ill., assignor to Motor Terminals Company, Wilmington, Del. Overhead crane. 1,747,765; Feb. 18.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Turntable crane. 1,748,708; Feb. 25.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Apparatus for transferring freight. 1,766,619; June 24.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Apparatus for transferring freight. 1,766,620; June 24.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Apparatus for transporting freight. 1,772,939; Aug. 12.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Door-locking device for demountable bodies. 1,773,982; Aug. 26.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Door-locking device for demountable vehicle bodies. 1,774,429; Aug. 26.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Apparatus for transferring freight. 1,776,066; Sept. 16.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Leveling freight trucks. 1,778,852; Oct. 21.
- Fitch, Clyde J., Brooklyn, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tuned transformer. 1,762,221; June 10.
- Fitch, Fred W., Des Moines, Iowa. Dispenser-charge-regulating device. 1,783,419; Dec. 2.
- Fitchner, Zoe B., Tallahassee, Fla. Novelty doll. Des. 80,939; Apr. 15.
- Fithian, Frank S., Camden, N. J. Necktie appliance. 1,766,290; June 24.
- Fitt, James J., Swanton, Nebr. Grave vase. 1,765,140; June 17.
- Fitting, Jacob, jr., assignor to The Pioneer Iron and Wireworks Company, Denver, Colo. Operating table. 1,746,035; Feb. 4.
- Fitz, Guy B., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Shoe stretcher. 1,761,012; June 3.
- Fitz-Empire Double Pivot Last Company. (See Fitz, Guy B., assignor.)
- Fitz-Empire Double Pivot Last Company. (See Fuller, Perley, assignor.)
- Fitz-Empire Double Pivot Last Company. (See Krippendorf, Paul F. W. C., assignor.)
- Fitz-Empire Double Pivot Last Company. (See Lucas, Harry W., assignor.)
- Fitz-Empire Double Pivot Last Company. (See Thomas, George C., assignor.)
- Fitzer, Louis A., Los Angeles, Calif. Rotary pump. 1,746,889; Feb. 11.
- Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Converting apparatus. 1,752,247; Mar. 25.
- Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Electroresponsive device. 1,754,154; Apr. 8.
- Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Mercury relay. 1,773,036; Aug. 12.
- Fitzgerald, Cecil Y. (See Pierson, C. W., Fitzgerald, and Thomae.)
- Fitzgerald, Francis A. J., Niagara Falls, N. Y., and J. Kelleher, Chippewa, Ontario, Canada, assignors to Titania Corporation, Los Angeles, Calif. Metallurgical furnace. 1,742,441; Jan. 7.
- Fitz Gerald, Francis A. J., Niagara Falls, N. Y., and J. Kelleher, Chippewa, Ontario, Canada, assignors to Harper Electric Furnace Corporation. Tunnel kiln and operating the same. 1,749,762; Mar. 11.
- Fitzgerald, Fred, Lawrence, Mass. Numbering-machine attachment. 1,758,436; May 13.
- Fitzgerald, Heber D. (See Adelsperger, C. C., and Fitzgerald.)
- Fitzgerald, James E., Youngstown, assignor to The Niles Steel Products Company, Niles, Ohio. Pouring attachment for pails. 1,765,409; June 24.
- Fitzgerald, John J., Everett, Mass. Necktie holder and stretcher. 1,757,622; May 6.
- Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Tuning dial. 1,744,265; Jan. 21.
- Fitz Gerald, John W., Shorewood, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Current-supply device. 1,774,261; Aug. 26.
- Fitzgerald, Joseph G., and L. M. Ripple, Canton, assignors, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Magnetic sheet catcher. 1,777,139; Sept. 30.
- Fitz Gerald, Marion F., Portland, Oreg. Ornamental screen. 1,764,398; June 17.
- Fitzgerald, Mary, Kilbourn, Wis. Milk-pail holder. 1,770,372; July 8.
- Fitzgerald, Maurice J., jr., Yonkers, N. Y. Hoisting and transporting device. 1,742,384; Jan. 7.
- Fitzpatrick, Frank B., Holyoke, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Movable bleacher. 1,781,058; Nov. 11.
- Fitzpatrick, Horace C., et al. (See Wolfe, John A., assignor.)
- Fitzpatrick, Joseph G., Anaheim, Calif. Grab. 1,775,340; Sept. 9.
- Fitzpatrick, Ray, East Palestine, Ohio. Pipe hanger. 1,774,878; Sept. 2.
- Fitzsimmons, James J., Chicago, Ill. Combination lock. 1,771,080; July 22.
- Fitzsimmons, John T., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Ignition timer. 1,753,564; Apr. 8.
- Fitzsimmons, John T., and J. White, Anderson, Ind., assignors to Delco-Remy Corporation, Dayton, Ohio. Generator-regulating system. 1,761,524; June 3.
- Fixel, Arthur E. (See Marx, Karl F., assignor.)
- Fixen, Martin O., Minneapolis, Minn. Toy. 1,762,620; June 10.
- Fixman, Benjamin, Bartlesville, Okla. Making motor fuel. 1,781,872; Nov. 18.
- Flach and Benedict, Inc. (See Benedict, C. C., and Tullis, assignors.)
- Flachbarth, Charles, assignor to Walker Brothers, Philadelphia, Pa. Underfloor-conduit outlet coupling. 1,773,811; Aug. 26.
- Flack, Theodore J., Brooksville, Fla. Positioning mold pattern units. 1,784,345; Dec. 9.
- Flagge, Philipp F., Milwaukee, Wis. Gutter construction. 1,780,553; Nov. 4.
- Flagge, Philip W., High Point, N. C. Needle drier. 1,752,903; Apr. 1.
- Flagstad, Oscar A., Minneapolis, and R. G. Lee, Hoffman, Minn. Dental crown remover. 1,756,245; Apr. 29.
- Flagstad, Cornell, assignor of ninety-five per cent to Folding Crate and Box Company, Minneapolis, Minn. Metal collapsible box. 1,769,019; July 1.
- Flaharty, William. (See Buzard, S., and Flaharty.)
- Flaherty, Jennie A. (See Flaherty, Frederick J., assignor.)
- Flaherty, Frederick J., Woodstock Valley, assignor to J. A. Flaherty, Willimantic, Conn. Air valve for pipe organs. 1,747,894; Feb. 18.
- Flam, Stephen, Tecumseh, Mich. Mold. 1,754,087; Apr. 8.
- Flam, Stephen, Walnut Park, Calif., assignor to Super-tile Machinery Corporation, Los Angeles, Calif. Process and apparatus for molding. 1,749,213; Mar. 4.
- Flamm, Charles D. (See Ezegeta, A., and Flamm.)
- Flammang, John, University City, Mo., assignor, by mesne assignments, to The Sterling Corporation, Wilmington, Del. Trunk piston. 1,769,020; July 1.
- Flammang, John, University City, and P. L. Bowser, St. Louis, Mo., assignors, by mesne assignments, to The Sterling Corporation, Wilmington, Del. Piston. 1,742,442; Jan. 7.
- Flanagan, David, Bayonne, N. J. Hydraulic jack. 1,767,124; June 24.
- Flanagan, James J., assignor to The Louisville Electric Manufacturing Company, Louisville, Ky. Electric-circuit controller. 1,766,949; June 24.
- Flanagan, Thomas B., assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. Des. 80,259; Jan. 7.
- Flanagan, Thomas B., assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. Des. 80,260; Jan. 7.
- Flanagan, Thomas B., assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. Des. 81,832; Aug. 19.
- Flanagan, Thomas J., New Haven, Conn. Ambulance cot. 1,742,309; Jan. 7.

- Flanagan, Thomas J., assignor to Gaso Pump and Burner Manufacturing Company, Tulsa, Okla. Pump. 1,772,136; Aug. 5.
- Flanders, Paul B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical impedance device. 1,784,830; Dec. 16.
- Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Machine for grinding chasers. 1,750,956; Mar. 18.
- Flanders, Warren B., Philadelphia, Pa., assignor to Westinghouse Gear & Dynamometer Company. Gearing. 1,742,885; Jan. 7.
- Flanders, Warren B., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governor. 1,786,987; Dec. 30.
- Flaner, Philip D., et al. (See Neumann, Herman, assignor.)
- Flanigan, E. B., Inc. (See Flanigan, Edwin B., assignor.)
- Flanigan, E. B., Incorporated. (See Flanigan, Edwin B., assignor.)
- Flanigan, Edwin B., assignor to E. B. Flanigan, Incorporated, Wilkes-Barre, Pa. Vehicle brake. 1,757,011; May 6.
- Flanigan, Edwin B., assignor to E. B. Flanigan, Inc., Wilkes-Barre, Pa. Brake-operating mechanism. 1,778,254; Oct. 14.
- Flanigan, John J. (See McNally, Edward E., assignor.)
- Flanigan, John J., Oak Park, Ill. Duplicating machine. 1,746,642; Feb. 11.
- Flanner, Frank F., et al. (See Neumann, Herman, assignor.)
- Flannery, Bernard M., Seattle, Wash. Automobile parking system. 1,781,753; Nov. 18.
- Flanzer, Joseph A., Brooklyn, assignor to Technidyne Corporation, New York, N. Y. Spot electroplating. 1,773,135; Aug. 19.
- Flanzer, Joseph A., Brooklyn, assignor to Technidyne Corporation, New York, N. Y. Radio dialing device. 1,782,778; Nov. 25.
- Flanzer, Joseph A. (See Jones, L. L., and Flanzer.)
- Flarsheim, Edwin S. (See Liebel, J. G. H., and Flarsheim.)
- Flath, Otto S., Chicago, Ill. Bracket. 1,751,691; Mar. 25.
- Flath, Otto S., Chicago, Ill. Concrete cribbing. 1,770,155; July 8.
- Flath, Otto S., Chicago, Ill. Cribbing. 1,773,579; Aug. 19.
- Flath, Otto S., Chicago, Ill. Signal foundation. 1,765,664; June 24.
- Flatland, Gertrude K. (See O'Brien, James R., assignor.)
- Flatley, John H., Little York, and F. C. Hoy, Monmouth, assignors to Brown Lynch Scott Co., Monmouth, Ill. Wheeled harrow-frame adjustment. 1,757,956; May 13.
- Flatt, Fritz, assignor to the firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Plant for the generation of high-pressure steam. 1,781,836; Nov. 18.
- Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Salt or pepper shaker. Des. 80,515; Feb. 18.
- Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Salt or pepper shaker. Des. 80,723; Mar. 18.
- Flauder, Alfred J., assignor to Weidlich Sterling Spoon Co., Bridgeport Conn. Spoon or analogous article. Des. 80,887; Apr. 8.
- Flauder, Alfred J., Bridgeport, Conn. Cosmetic box. Des. 81,635; July 22.
- Flaxman, Louis, Baltimore, Md. Pocketbook. Des. 80,784; Mar. 25.
- Flechtheim, Emil. (See Schäfer, Emanuel, assignor.)
- Fleckenstein, George A., Stratford; E. M. Hanf, Bridgeport; and M. L. Waterman, Fairfield, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Metal-hardening process. 1,759,690; May 20.
- Fleer, Harry H., Quincy, assignor to Orbon Stove Co., Belleville, Ill. Stove. Des. 82,668; Dec. 2.
- Fleet, Arthur H., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Electric switch. 1,757,709; May 6.
- Fleetwood, Dorothy, Fort Lauderdale, Fla. Decorating. 1,761,715; June 3.
- Flegel, Benjamin F. and F. W., Racine, Wis. Automatic time switch. 1,756,543; Apr. 29.
- Flegel, Frederick W. (See Flegel, Benjamin F. and F. W.)
- Flegel, Harrison D., Racine, Wis. Signal device. 1,770,203; July 8.
- Flegel, Harrison D., assignor to Arnold Electric Company, Racine, Wis. Ice-cream disher. 1,765,973; June 24.
- Flehr, Paul D., San Francisco, Calif. Frequency converter. 1,784,228; Dec. 9.
- Fleischer, Charles, assignor to R. O. Kussat, Brooklyn, N. Y. Lock-releasing game apparatus. 1,757,957; May 13.
- Fleischer, Charles, Brooklyn, N. Y., assignor to J. F. Meyer, Chicago, Ill. Vending machine. 1,770,305; July 8.
- Fleischmann, Christian, Bloomfield, N. J., assignor to Westinghouse Lamp Company. Bulb-cullett-centering device. 1,780,618; Nov. 4.
- Fleischmann, Hanns, Ludwigshafen-on-the-Rhine, and O. Jordan, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of intaglio printing colors. 1,787,239; Dec. 30.
- Fleisher, Walter L., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y. Reducing temperature by dehydration. 1,749,763; Mar. 11.
- Fleisher, Walter L., assignor to Cooling and Air Conditioning Corporation, New York, N. Y. Ventilating. 1,751,805; Mar. 25.
- Fleisher, Walter L., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y. Ventilating system. 1,751,806; Mar. 25.
- Fleisher, Walter L., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y. Wet-bulb thermostat. 1,757,081; May 6.
- Fleiter, Andrew J., assignor to The Akron Standard Mold Company, Akron, Ohio. Vulcanizer. 1,762,119; June 3.
- Fleiter, Andrew J., Akron, Ohio, assignor to The Lambert Tire and Rubber Company. Method and apparatus for vulcanizing tires. 1,778,071; Oct. 14.
- Fleiter, Andrew J., Akron, H. C. Bostwick, Kenmore, and T. A. Miller, assignors to The Akron Standard Mold Company, Akron, Ohio. Horizontal vulcanizer. 1,750,464; Mar. 11.
- Fleiter, Andrew J., Akron, H. C. Bostwick, Kenmore, and T. A. Miller, assignors to The Akron Standard Mold Company, Akron, Ohio. Tube vulcanizer. 1,756,058; Apr. 29.
- Fleming, August L. N., Carthage, N. Y., assignor to Superior Linking Machine Corporation, Wilmington, Del. Linking machine. 1,759,822; May 20.
- Fleming, August L. N., Carthage, N. Y., assignor to Superior Linking Machine Corporation, Wilmington, Del. Linking machine. 1,759,823; May 20.
- Fleming, David, assignor to Ebensburg Coal Company, Colver, Pa. Coal cutting and loading machine. 1,770,306; July 8.
- Fleming, George W., assignor to Fleming Machine Company, Worcester, Mass. Portable device for regrooving solid tires. 1,743,125; Jan. 14.
- Fleming, George W., assignor to Fleming Machine Company, Worcester, Mass. Valve-seat grinder. 1,775,898; Sept. 16.
- Fleming, James R., Scranton, Pa. Journal box. 1,743,269; Jan. 14.
- Fleming, Jared B., Baltimore County, assignor to The Black & Decker Manufacturing Company, Towson, Md. Valve tester. 1,764,616; June 17.
- Fleming, Joseph P. (See Wakefield, C. E., Fleming, and Oliver.)
- Fleming Machine Company. (See Fleming, George W., assignor.)
- Fleming, Richard, Plainfield, N. J. Method and apparatus for treating hydrocarbons. 1,764,296; June 17.
- Fleming, Robert G., Bloomfield, N. J., assignor to Smokador Manufacturing Co., Inc., New York, N. Y. Smoker's appliance. 1,747,356; Feb. 18.
- Fleming, Wells S., Portland, Oreg. Drain fitting. 1,749,878; Mar. 11.
- Fleming, Wells S., Portland, Oreg. Roof-drain fixture. 1,761,257; June 3.
- Fleming, Wells S., Portland, Oreg. Cross-over connection for back-to-back plumbing fixtures. 1,762,619; June 10.
- Fleming, Wells S., Portland, Oreg. Convertible drain fitting. 1,766,621; June 24.
- Flemnitz, Ernst. (See Glässer, O., and Flemnitz.)
- Flemer, George B., Manila, P. I. Electrical ground rod. 1,745,922; Feb. 4.
- Flensted, Knud. (See Eberly, Sylvester, assignor.)
- Flentye, Laura, Wilmette, Ill. Handkerchief-drying frame. 1,760,548; May 27.
- Flescher, Louis, Winner, S. Dak., assignor of one-half to M. Levey, Omaha, Nebr. Rotary valve mechanism. 1,751,986; Mar. 25.
- Fletcher, Abbott L., et al. (See Kean, Gilbert P., assignor.)
- Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Forming teeth on cutters. 1,769,636; July 1.
- Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Valve-operating means. 1,784,094; Dec. 9.
- Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Quenching tank. 1,784,095; Dec. 9.
- Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Fluid-operated swab. 1,784,096; Dec. 9.
- Fletcher, Harold W., and R. Neubaus, assignors to Hughes Tool Company, Houston, Tex. Quick-operating valve. 1,760,051; May 27.
- Fletcher, Harold W., and N. H. Ricker, assignors to Hughes Tool Company, Houston, Tex. Fluid-operated swab. 1,769,637; July 1.
- Fletcher, Harry, Alpena, Mich. Stock conduit. 1,774,363; Aug. 26.
- Fletcher, Henry O., Bridgeport, Conn. Shock absorber. 1,750,711; Mar. 18.
- Fletcher, Herbert O. (See Kratzer, Herbert J., assignor.)
- Fletcher, Hugh M., Midland, Ontario, Canada. Ingot mold. 1,768,835; July 1.
- Fletcher, John B., Tampa, Fla. Washing machine. 1,769,666; July 1.
- Fletcher, John B., New York, N. Y., assignor of one-half to J. L. McGucken, Tampa, Fla. Aerator. 1,745,412; Feb. 4.
- Fletcher, Lindsey C., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic fluid turbine. 1,786,942; Dec. 30.
- Fletcher, William R. (See Chase, H. S., and Fletcher.)
- Fletcher Works. (See Schaum, Fletcher, assignor.)

- Fletcher Works, Incorporated. (See Schaum, Carl, assignor.)
- Fletcher Works, Incorporated. (See Thomas, Pacific J., assignor.)
- Flett, William, Melrose, Mass., assignor to National Publishing Company, Philadelphia, Pa. Machine for making loose leaves for books. 1,785,546; Dec. 16.
- Flettner, Anton, Berlin, Germany. Ventilating device. 1,773,453; Aug. 19.
- Flewelling, Edmund T., jr., Highland Park, assignor to Buell Manufacturing Co., Chicago, Ill. Receiving circuit. 1,767,751; June 24.
- Flexible Engineering Corporation. (See Dalton, G. A., and Dunham, assignors.)
- Flexible Steel Lacing Company. (See Olsen, John C., assignor.)
- Flexible Truck Corporation. (See Taylor, Howard D., assignor.)
- Flexlume Corporation. (See Brandt, Alfred L., sr., assignor.)
- Flexlume Corporation. (See Wiley, Roy R., assignor.)
- Flexoil Transmission Limited. (See Cheswright, Leonard K., assignor.)
- Flexon, Floyd, Fairmont, W. Va., and C. Chew, Pitman, N. J., assignors to Owens-Illinois Glass Company, Toledo, Ohio. Polishing machine. 1,764,161; June 17.
- Flexwood Company, The. (See Elmendorf, Armin, assignor.)
- Flickinger, Emory E. (See Arnold, R. V., Flickinger, and Wantz.)
- Flier, Leo, New York, assignor to Universal Jewelry Case Co., Brooklyn, N. Y. Display holder. 1,752,246; Mar. 25.
- Flier, Leo, New York, N. Y., assignor to The Universal Jewelry Case Company. Watch box. 1,774,430; Aug. 26.
- Fliflet, Thorleif, and T. B. Allardice, Mountain Lakes, N. J. Curb block. 1,754,939; Apr. 15.
- Flight, William S. (See Mackley, A. H., and Flight.)
- Flink, John H., Watertown, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Lasting jack. 1,750,169; Mar. 11.
- Flink, John H., assignor, by mesne assignments, to Hood Rubber Company Inc., Watertown, Mass. Boot-tree. 1,755,248; Apr. 22.
- Flinker, Leon A., Detroit, Mich. Razor stropper. 1,779,669; Oct. 28.
- Flinn & Drefflein Company. (See Drefflein, Henry A., assignor.)
- Flint, Bradford B., Glens Falls, N. Y. Container for surgical bandages. 1,752,163; Mar. 25.
- Flint, Clarence, Birmingham, England. Identification device for umbrellas, walking sticks, and the like. 1,773,136; Aug. 19.
- Flint, Clarence, Birmingham, England. Initial identification device. 1,773,480; Aug. 19.
- Flint, Dutee W., Cranston, assignor to Swingrite Company, Inc., Providence, R. I. Sectional golf shaft. 1,760,353; May 27.
- Flint, Francis C., Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Method and apparatus for increasing the production of glass. 1,764,832; June 17.
- Flint, Richard A., Malad, Idaho. Wind and water-proof fixture. 1,780,420; Nov. 4.
- Flintermann, Gerhard, Orange, N. J. Flexible joint. 1,753,985; Apr. 8.
- Flintermann, Gerhard, Orange, N. J. Flexible joint. 1,775,517; Sept. 9.
- Flintkote Company, The. (See Avery, Henry C., assignor.)
- Flintkote Company, The. (See Clapp, Albert L., assignor.)
- Flintkote Company. (See Harris, William A., assignor.)
- Flintkote Company, The. (See Kirschbraun, Lester, assignor.)
- Flintkote Company, The. (See Levin, Harold L., assignor.)
- Flintkote Company, The. (See MacDonald, Chester R., assignor.)
- Flintkote Company, The. (See Rahr, Chester E., assignor.)
- Flintkote Company, The. (See Schutte, August E., assignor.)
- Flintkote Roads Inc. (See Hay, George S., assignor.)
- Fliss, August, jr., assignor to Evenheat Manufacturing Company, Chicago, Ill. Water heater. 1,760,634; May 27.
- Flocchini, John B., assignor of one-half to M. Scala, San Francisco, Calif. Folding table. 1,748,413; Feb. 25.
- Flockhart Company, The. (See Flockhart, James, assignor.)
- Flockhart, James, assignor to The Flockhart Company, San Francisco, Calif. Fountain brush. 1,785,732; Dec. 23.
- Flooding, W. E., Company, The. (See Shaw, Thomas E., assignor.)
- Flogaus, Howard A., assignor to R. L. Skinner, Detroit, Mich. Sliding valve construction for internal-combustion engines. 1,754,787; Apr. 15.
- Flogaus, Howard A., assignor to R. L. Skinner, Detroit, Mich. Cooling means for internal-combustion engines. 1,779,968; Oct. 28.
- Flogaus, Howard A., assignor to R. L. Skinner, Detroit, Mich. Air-cooled internal-combustion engine. 1,785,861; Dec. 23.
- Flood, Henry R., South Chingford, assignor to C. G. Vokes, London, England. Advertising device. 1,751,197; Mar. 18.
- Flood, Leo P., Sunnyside, assignor to Mason Manufacturing Company, New York, N. Y. Duplex feeder for low-pressure heating boilers. 1,785,547; Dec. 16.
- Flood, Walter H., Chicago, Ill. Pavement and process of laying. 1,760,690; May 27.
- Flook, George, Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Transfer valve for vacuum-closing machines. 1,766,018; June 24.
- Floor, Erik, and E. Sejersen, Chicago, Ill. Shock absorber. 1,755,290; Apr. 22.
- Floorola Corporation, The. (See Fowler, Elnathan A., assignor.)
- Floorola Corporation, The, et al. (See Gillis, Lyle N., assignor.)
- Florang, Emil A., Burlington, Iowa. Portable refrigerator. 1,757,520; May 6.
- Florence Stove Company. (See Cooper, William L., assignor.)
- Florence Stove Company. (See Ruttiman, Alfred, assignor.)
- Florence Stove Company. (See Seamon, Percy R., assignor.)
- Florence Stove Company. (See White, F. E., and Ruttiman, assignors.)
- Florian, Frank, Chicago, Ill. Track sander for motor vehicles. 1,784,832; Dec. 16.
- Florida Citrus Machinery Company. (See Hatch, Hugh B., assignor.)
- Florida Citrus Machinery Company. (See Skinner, Bronson C., assignor.)
- Florida Copy-Writing Corporation, The. (See Barton, John H., assignor.)
- Florida Water Softener Inc. (See Dunbar, William E., assignor.)
- Florine, August W., Fort Atkinson, Wis. Mail-box support. 1,753,506; Apr. 8.
- Florine, Nicolas, Brussels, Belgium. Projecting apparatus for cinematography. 1,780,123; Oct. 28.
- Florine, Nicolas, assignor of ten per cent to Societe Nationale pour l'Etude des Transports Aeriens, Societe Anonyme, Brussels, Belgium. Helicopter. 1,783,011; Nov. 25.
- Florisson, Charles L., Becon-Les-Bruyeres, assignor to Societe de Condensation et d'Applications Mecaniques, Paris, France. Method and apparatus for torpedo-firing operations. 1,782,294; Nov. 18.
- Florman, Irving, New York, N. Y. Cigarette lighter. Des. 82,647; Nov. 25.
- Flory, Andrew, Cliffside Park, N. J., assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 82,143; Sept. 30.
- Floss, Carl W., Detroit, Mich. Floating reamer. 1,780,554; Nov. 4.
- Floto, Charles D., Steubenville, Ohio. Concrete step and the like. 1,745,087; Jan. 28.
- Flour City Specialty Mfg. Co. (See Hogelund, Carl F., assignor.)
- Flour Construction Co. (See Martin, Guy T., assignor.)
- Flournoy, David M., and P. D. George, St. Louis, Mo. Ornamenting surfaces. 1,752,164; Mar. 25.
- Flower, Arthur H. (See Nellis, C. P., and Flower.)
- Flowers, Harry K., Oakland, Calif. Hot-air furnace. 1,752,168; Mar. 25.
- Flowers, Henry F., Findlay, Ohio. Yielding door mechanism. 1,749,530; Mar. 4.
- Flowers, Henry F., Findlay, Ohio. Screw-type raising mechanism. 1,770,265; July 8.
- Flowers, Henry F., Findlay, Ohio. Dump vehicle with actuated doors. 1,785,678; Dec. 16.
- Flowers, Henry F., Findlay, Ohio. Raising mechanism. 1,787,342; Dec. 30.
- Flowers, James A., Birmingham, Ala. Automatic feed for burring machines. 1,785,862; Dec. 23.
- Flowers, Thomas E., Memphis, Tenn. Cartridge. 1,777,519; Oct. 7.
- Floyd, Charles L., Oak Park, Ill. Mop. 1,744,072; Jan. 21.
- Floyd, Earl T., near Temple, assignor to The Nolde and Horst Company, Reading, Pa. Striped stocking. 1,787,365; Dec. 30.
- Floyd, George, Portsmouth, Ohio. Ringless self-expanding piston. 1,753,113; Apr. 1.
- Floyd, George G., assignor to American Steel Foundries, Chicago, Ill. Side frame. 1,745,847; Feb. 4.
- Floyd, Harry T., Gillespie, Ill. Washing attachment for hose. 1,778,552; Oct. 14.
- Floyd, John J., Everett, Mass. Can opener of the type more properly termed cover lifter. 1,775,426; Sept. 9.
- Floyd, Ray H., assignor to Unique Spark Plug Cleaner Co., Chicago, Ill. Slack-take-up device. 1,783,359; Dec. 2.
- Floyd, William M., Toronto, Ontario, Canada, assignor, by mesne assignments, to Ideal Tooth, Inc., Cambridge, Mass. Artificial-tooth structure. 1,742,310; Jan. 7.
- Fluellen, John A., Plymouth, W. Va. Mail and parcel tube. 1,763,393; June 10.
- Flüga Aktien-Gesellschaft. (See Heylandt, Christian W. P., assignor.)
- Fluharty, Allan M., assignor of fifteen per cent to G. L. Dixon, Miami, Fla. Sewing-machine threader. 1,753,114; Apr. 1.

- Fluhart, William G., Rockville Center, assignor to The Western Union Telegraph Company, New York, N. Y. Carrier-wave telegraphic transmission system. 1,749,739; Mar. 4.
- Fluhart, William G., Rockville Center, assignor to The Western Union Telegraph Company, New York, N. Y. Signal relay system. 1,776,219; Sept. 16.
- Fluid Heat Company, The. (See Lalor, James D., assignor.)
- Flury, Richard, assignor to Gemmer Manufacturing Company, Detroit, Mich. Bushing. 1,758,659; May 13.
- Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding machine. 1,772,345; Aug. 5.
- Flynn, Charles C., Detroit, Mich. Sound amplifier. 1,754,506; Apr. 15.
- Flynn, Charles C., Detroit, Mich. Sound amplifier. 1,783,360; Dec. 2.
- Flynn and Emrich Company. (See Huber, Charles J., assignor.)
- Flynn, Gerald B. (See Courture, R. and A. J., and Flynn.)
- Flynn, Henry E., Apache, Okla. Bundle adjuster. 1,766,495; June 24.
- Flynn, James J. (See Hooke, F. G., and Flynn.)
- Flynn, John B. (See Edgar, F. M., and Flynn.)
- Flynn, John B., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Coach latch. 1,756,117; Apr. 29.
- Flynn, John B., Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Handle mounting. 1,764,945; June 17.
- Flynn, John B., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Spring-clip guide for door-lock bolts. 1,764,946; June 17.
- Flynn, John P., Medford, Mass. Line-up gauge for proving type forms. 1,787,037; Dec. 30.
- Flynt, James W., Metuchen, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Gas seal for furnaces. 1,779,120; Oct. 21.
- Föbus, Ludwig, Dortmund-Barop, Germany. Cooling means for castings. 1,784,346; Dec. 9.
- Foch, Christian P., Oakland, Calif. Awning. 1,758,939; May 20.
- Focher, Frank, jr., Great Falls, Mont. Locking device for differential mechanism. 1,743,032; Jan. 7.
- Focht, Nevin S., Pottstown, Pa. Sound-reproducing diaphragm. 1,743,767; Jan. 14.
- Focke, Henrich, Bremen, Germany. Arrangement of motors on the wings of aircraft. 1,764,554; June 17.
- Focke, Henrich, assignor to the Firm Focke-Wulfe Flugzeugbau, Aktiengesellschaft, Bremen, Germany. Front wing for flying machines. 1,766,893; June 24.
- Focke-Wulfe Flugzeugbau, Aktiengesellschaft. (See Focke, Henrich, assignor.)
- Foersch, John W., jr., Wilkes-Barre, Pa. Baking pan. 1,764,253; June 17.
- Fogarty, Orville A., Montreal, Quebec, assignor to Vilas Oil Burners Limited, Cowansville, Canada. Primary mixing chamber in oil-burning mechanisms. 1,764,070; June 17.
- Fogelqvist, Gunnar P. O. (See Grandstedt, Johan A., assignor.)
- Fogger, David I., assignor to Peru Plow & Wheel Co., Peru, Ill. Combined axle and framing structure. 1,765,066; June 17.
- Fogler, Ben B. (See Stevenson, E. P., and Fogler.)
- Fojtik, Louis L., Needville, Tex. Colter. 1,765,143; June 17.
- Fojtik, Louis L., Needville, Tex. Furrow plow. 1,780,069; Oct. 28.
- Fojtik, Louis L., Needville, Tex. Guiding device for plows. 1,780,070; Oct. 28.
- Fokker, Anthony H. G., Tenafly, N. J. Operating air-lines. 1,768,754; July 1.
- Fokker, Anthony H. G., Amsterdam, Netherlands. Filtering fluids. 1,782,531; Nov. 25.
- Fokker, Anthony H. G., Amsterdam, Netherlands, assignor to Fokker Aircraft Corporation of America. Airplane and the like. 1,763,228; June 10.
- Fokker, Anthony H. G., Amsterdam, Netherlands, assignor to Atlantic Aircraft Corporation. Airplane construction. 1,773,481; Aug. 19.
- Fokker, Anthony H. G., Amsterdam, Netherlands, assignor to General Aviation Corporation. Controlling the operation of aircraft. 1,778,892; Oct. 21.
- Fokker, Anthony H. G., New York, N. Y., assignor to Fokker Aircraft Corporation of America. Constructing airplane wings, fuselages, and other structures. 1,765,791; June 24.
- Fokker, Anthony H. G., Tenafly, N. J., and A. A. Gassner, New York, N. Y., assignors to Fokker Aircraft Corporation of America. Amphibian aircraft. 1,765,328; June 17.
- Fokker, Anthony H. G., Tenafly, N. J., and A. A. Gassner, New York, N. Y., assignors to Fokker Aircraft Corporation of America. Amphibian aircraft. 1,765,329; June 17.
- Fokker Aircraft Corporation of America. (See Fokker, Anthony H. G., assignor.)
- Fokker Aircraft Corporation of America. (See Fokker, A. H. G., and Gassner, assignors.)
- Folberth, Frederick G. and W. M., Cleveland, Ohio. Radiator cap. 1,753,003; Apr. 1.
- Folberth, Frederick G. and W. M., Cleveland, Ohio. Signal. 1,755,249; Apr. 22.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Support. 1,765,410; June 24.
- Folberth, William M. (See Folberth, Frederick G. and W. M.)
- Folco, Joseph, Tacoma, Wash. Air washing and drying process for ice-making machines. 1,745,751; Feb. 4.
- Folding Crate and Box Company. (See Flagstad, Cornell, assignor.)
- Folding Product Corporation. (See Nordell, Carl H., assignor.)
- Folds, George R., and L. M. Persons, assignors to Cook Electric Company, Chicago, Ill. Combined safety device and resetting mechanism. 1,763,394; June 10.
- Foley, Earl H., Seattle, Wash., assignor, by mesne assignments, of ninety-nine one-hundredths to International Acoustigraph Company. Sound-recording apparatus for use in educational motion-picture programs. 1,750,172; Mar. 11.
- Foley, Earl H., Seattle, Wash., assignor, by mesne assignments, of ninety-nine one-hundredths to International Acoustigraph Company. Loud-speaker. 1,775,453; Sept. 9.
- Foley, Earl H., Astoria, Long Island City, N. Y., assignor of ninety-nine per cent to Sound Films Corporation, Tacoma, Wash. Apparatus for producing unitary motion pictures and sound-record films. 1,776,969; Sept. 30.
- Foley, Francis B. (See Givens, H. M., Foley, and Cox.)
- Foley Saw Tool Company. (See Collier, Freeman E., assignor.)
- Folger, Henry C., Waltham, assignor, by mesne assignments, to Waltham System, Inc., Waverley, Mass. Refrigeration cabinet. 1,752,553; Apr. 1.
- Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slice collector for slicing machines. 1,756,149; Apr. 29.
- Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slice receiver. 1,756,348; Apr. 29.
- Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Mechanism for assembling slices. 1,756,544; Apr. 29.
- Folker, Howard S., Mill Valley, Calif., assignor, by mesne assignments, to National Safety Appliance Company, Reno, Nev. Magnet. 1,758,104; May 13.
- Folkerts, Henry, and C. L. Yost, Bristow, Iowa. Combined water-circulating pump and throttle control. 1,758,569; May 13.
- Folkman, Leslie G., et al. (See Folkman, Morris, assignor.)
- Folkman, Morris, assignor of one-third to F. E. Drnka, one-third to L. G. Folkman, and one-third to N. Folkman, Cleveland, Ohio. Safety catch for emblem pins, etc. 1,745,339; Jan. 28.
- Folkman, Napier, et al. (See Folkman, Morris, assignor.)
- Follain, Raoul F., Colombes, assignor to Société Anonyme pour l'Exploitation des Procédés Maurice Leblanc-Vickers, Paris, France. Refrigerating machine. 1,783,464; Dec. 2.
- Follansbee Brothers Company. (See Freeland, E. M., and McGough, assignors.)
- Follansbee Brothers Company. (See Miner, H., and Grant, assignors.)
- Follis, Charles E., Allen, Okla. Pump for oil wells. 1,754,088; Apr. 8.
- Follmer, Clogg and Company. (See Knight, Samuel H., assignor.)
- Follmer, Joseph, Denver, Colo. Table. 1,742,904; Jan. 7.
- Folmsbee, Clyde H., Cranford, N. J., assignor to American Car and Foundry Company, New York, N. Y. Valve mechanism for car tanks. 1,760,635; May 27.
- Folsom, Hiram T., Wenham, Mass. Bootjack. 1,748,643; Feb. 25.
- Folsom, Robert H., assignor to J. Grant, Los Angeles, Calif. Casing spider and the like. 1,744,380; Jan. 21.
- Folsom, Robert H., assignor to J. Grant, Los Angeles, Calif. Slip-releasing means for casing spiders and the like. 1,744,381; Jan. 21.
- Folta, Emanuel, Prague, Czechoslovakia. Cleaning of filters. 1,768,314; June 24.
- Foltis, Anestis, New York, N. Y. Combination match holder and ash tray. Des. 82,144; Sept. 30.
- Foltis, Anestis, New York, N. Y. Table implement. 1,765,974; June 24.
- Foltz, Dale E., Granville, Pa. Toy horse. 1,759,740; May 20.
- Foltz, Fred W., Shreve, Ohio. Train order and signal hoop. 1,746,388; Feb. 11.
- Foltz, Raymond D., East Orange, N. J., assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,747,822; Feb. 18.
- Foltz, Raymond D., East Orange, N. J., assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,747,823; Feb. 18.
- Foltz, Raymond D., South Orange, N. J., assignor to M. H. Detrick Company, Chicago, Ill. Furnace-wall construction. 1,747,824; Feb. 18.
- Fonda, Douglass C., West Orange, N. J., assignor to Nixon Vending and Change Making Machines, Inc., New York, N. Y. Vending cabinet. 1,752,635; Apr. 1.
- Fonda, Howard R., St. Albans, Vt. Toy. 1,773,617; Aug. 19.
- Fondiller, William, Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic circuits and apparatus. 1,757,710; May 6.

- Fonferek, Edward, Gillett, Wis. Antiskid chain. 1,785,117; Dec. 16.
- Fonken, William A., Seattle, Wash. Pear-peeling machine. 1,766,433; June 24.
- Fonken, William A., Seattle, Wash. Method of and apparatus for paring fruit. 1,766,496; June 24.
- Fonnesbeck, Leon, Logan, Utah. Rotary plow. 1,750,219; Mar. 11.
- Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Liquid-heater-control mechanism. 1,750,749; Mar. 18.
- Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Temperature-indicating device. 1,772,279; Aug. 5.
- Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Thermostatic control mechanism. 1,772,441; Aug. 5.
- Fontana, Celestino, New York, N. Y. Waffle-forming plate. Des. 82,215; Oct. 7.
- Fontannaz, Louis, New York, N. Y. Price tag or sign holder. 1,759,781; May 20.
- Foo, Lee S., Manchester, N. H. Fuse. 1,754,166; Apr. 8.
- Foo, Lee Sing, Manchester, N. H. Magazine fuse. 1,773,983; Aug. 26.
- Food Machinery Corporation. (See Hanson, F. A., and Lewis, assignors.)
- Food Machinery Corporation. (See Moe, Andrew O., assignor.)
- Foot, Edward H. W., Lincolnshire, England. Rotary tilling machine. 1,754,311; Apr. 15.
- Foot, Arthur F., New Haven, Conn. Undergarment. 1,765,411; June 24.
- Foot, Beigh M., Muskegon, Mich. Garment-hanger cover. 1,769,216; July 1.
- Foot-Burt Company, The. (See Kelleher, Daniel, assignor.)
- Foot, Charles E., assignor to The Foot Company, Inc., Nunda, N. Y. Boom drive. 1,761,716; June 3.
- Foot Company, The. (See Dake, Fred L., assignor.)
- Foot Company, The. (See Foot, Charles E., assignor.)
- Foot Company, The. (See Weber, Charles J., assignor.)
- Foot, Edward B., assignor to Taylor Instrument Companies, Rochester, N. Y. Recording mechanism. 1,757,012; May 6.
- Foot, J. B., Foundry Company, The. (See Harry, Charles R., assignor.)
- Foot, Leonard. (See Claybourn, J. G., and Foot.)
- Foot, Pierson & Company. (See Lewis, George F., assignor.)
- Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Debit and credit posting machine. 1,749,477; Mar. 4.
- Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Computing machine. 1,775,223; Sept. 9.
- Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Computing machine. 1,782,757; Nov. 25.
- Forberg, Albert, assignor to The Lapointe Machine Tool Company, Hudson, Mass. Sectional broach. 1,744,217; Jan. 21.
- Forberg, Albert, assignor to The Lapointe Machine Tool Company, Hudson, Mass. Machine for broaching spirals. 1,749,633; Mar. 4.
- Forbes, Alexander, Oakland, Calif. Amusement structure. Des. 82,404; Oct. 28.
- Forbes, Allan W., Worcester, Mass. Frequency changer. 1,760,591; May 27.
- Forbes, Ferry M., assignor to Premier Cushion Spring Company, Detroit, Mich. Helical coiler and assembler. 1,762,167; June 10.
- Forbes, Henry C., assignor to Zenith Radio Corporation, Chicago, Ill. System of radiocommunication. 1,772,077; Aug. 5.
- Forbes, Jas. H., Tea & Coffee Company. (See Gibson, Marshall D., assignor.)
- Forbes, Jas. H., Tea & Coffee Company. (See Hornaday, Waller C., assignor.)
- Forbes, John S., Overbrook, Pa. Heater. 1,745,752; Feb. 4.
- Forbes, John S., Philadelphia, Pa., assignor, by mesne assignments, to Yates & Grant, Inc., Detroit, Mich. Magnetic razor conditioning and device therefor. 1,775,518; Sept. 9.
- Forbes, John S., Philadelphia, Pa., assignor, by mesne assignments, to Yates & Grant, Inc., Detroit, Mich. Magnetic razor-conditioning device. 1,782,033; Nov. 18.
- Forbes, John S., Philadelphia, Pa., assignor, by mesne assignments, to Yates & Grant, Inc., Detroit, Mich. Magnetic razor conditioning and device therefor. 1,783,012; Nov. 25.
- Forbes, Kingston, Flint, assignor to General Motors Corporation, Detroit, Mich. Radiator cap. Des. 82,809; Dec. 16.
- Forbes Lithograph Manufacturing Company. (See Coombs, Fred H., assignor.)
- Forbes Lithograph Manufacturing Company. (See Paige, Paul F., assignor.)
- Forbes, William A. D., Coulsdon, England. Apparatus for launching aircraft. 1,777,167; Sept. 30.
- Forbstein, Bessie G., Los Angeles, Calif. Meter for sewing machines. 1,783,562; Dec. 2.
- Forchheimer, Milton, Newark, N. J. Car coupler. 1,750,314; Mar. 11.
- Forcier, George J., Lakewood, Ohio. Apparatus for cleaning walls. 1,752,664; Apr. 1.
- Ford, Albert G. (See Pickering, F. M., and Ford.)
- Ford, Albert T., A. S. Halsey, and S. B. McMurray, Washington, D. C. Bomb sight. 1,774,704; Sept. 2.
- Ford, Arthur, assignor of one-half to A. S. Wills, Thronby, England. Power-driven plow. 1,743,961; Jan. 14.
- Ford, Bruce, Philadelphia, Pa. Storage battery. 1,758,506; May 13.
- Ford, Bruce, Philadelphia, Pa. Burned or puddled joint structure. 1,764,617; June 17.
- Ford, Edward, Plate Glass Company, The. (See Fowler, Ival G., assignor.)
- Ford, Edward, Plate Glass Company, The. (See Goodwillie, David H., assignor.)
- Ford, Edward J., Spokane, Wash. Gauge. 1,786,339; Dec. 23.
- Ford, Elizabeth. (See Gray, M. L., and Ford.)
- Ford, Elmer A., et al. (See Mason, Frank B., assignor.)
- Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Magazine throat. 1,763,039; June 10.
- Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Card picker. 1,772,180; Aug. 5.
- Ford, George W., Brighton, assignor to H. G. Ponting, London, England. Apparatus for producing distorted pictures. 1,750,883; Mar. 18.
- Ford, George W., Brighton, assignor to H. G. Ponting, London, England. Camera and other optical projection device. 1,781,501; Nov. 11.
- Ford, Hannibal C., Jamaica, N. Y. Foldable screen. 1,751,807; Mar. 25.
- Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Plotting apparatus. 1,753,781; Apr. 8.
- Ford, Harry G., San Francisco, Calif. Electric service tray. 1,754,619; Apr. 15.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Engine. 1,744,218; Jan. 21.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Transmission. 1,749,099; Mar. 4.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Opposed-piston engine. 1,749,578; Mar. 4.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Crank shaft. 1,749,807; Mar. 11.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Auxiliary transmission. 1,752,980; Apr. 1.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Engine. 1,753,825; Apr. 8.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Transmission. 1,758,597; May 13.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Engine starter and generator gearing. 1,770,468; July 15.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Brake. 1,772,481; Aug. 12.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Making valves. 1,772,482; Aug. 12.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Vehicle construction. 1,778,633; Oct. 14.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Carburetor. 1,781,502; Nov. 11.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Vehicle construction. 1,781,503; Nov. 11.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Automobile ventilating construction. 1,783,501; Dec. 2.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Generator. 1,784,624; Dec. 9.
- Ford Instrument Company. (See Ford, Hannibal C., assignor.)
- Ford Instrument Company. (See Heller, Harley H., assignor.)
- Ford Instrument Company. (See Ross, Elliott P., assignor.)
- Ford Instrument Company. (See Tanner, Harry L., assignor.)
- Ford Instrument Company. (See Uhl, Arthur W., assignor.)
- Ford, Ira D. (See Clark, J. M., and Ford.)
- Ford, Ira D., Roseland, Ontario, Canada, assignor to Universal Button Fastening & Button Company, Detroit, Mich. Securing means. 1,782,164; Nov. 18.
- Ford, Ira D., Roseland, Ontario, Canada, assignor to Universal Button Fastening & Button Company, Detroit, Mich. Securing means. 1,782,165; Nov. 18.
- Ford, Ira D., Roseland, Ontario, Canada, assignor to Universal Button Fastening & Button Co., Detroit, Mich. Securing means. 1,782,166; Nov. 18.
- Ford, Ira D., Roseland, Ontario, Canada, assignor to Universal Button Fastening & Button Company, Detroit, Mich. Button. 1,786,839; Dec. 30.
- Ford, Ira D., Roseland, Ontario, Canada, assignor to Universal Button Fastening & Button Company, Detroit, Mich. Button. 1,786,840; Dec. 30.
- Ford, James G., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Purification of used insulating oils. 1,746,641; Feb. 11.
- Ford, James S., and F. Murray, Greymouth, New Zealand. Fuel briquette. 1,784,665; Dec. 9.
- Ford, John L., Kew Gardens, assignor to Snyder & Black, Inc., New York, N. Y. Display and illuminated transparency. 1,771,532; July 29.
- Ford, Louis E., Borger, Tex. Combined cigarette holder and ash-receiver. Des. 80,686; Mar. 11.

- Ford Motor Company. (See Eckman, Meril L., assignor.)
 Ford Motor Company. (See Farkas, Eugene J., assignor.)
 Ford Motor Company. (See Ford, Henry, assignor.)
 Ford Motor Company. (See Galamb, Joseph, assignor.)
 Ford Motor Company. (See Hicks, Harold A., assignor.)
 Ford Motor Company. (See Karcher, Harry C., assignor.)
 Ford Motor Company. (See Sheldrick, Laurence S., assignor.)
 Ford Motor Company. (See Smith, C. J., and Hicks, assignors.)
 Ford Motor Company. (See Stout, William B., assignor.)
 Ford Motor Company. (See Wharam, John J., assignor.)
 Ford, Reid G., Scarsdale, assignor to Vapryre Corporation, Pleasantville, N. Y. Apparatus for preparing hydrocarbon mixtures for combustion. 1,752,165; Mar. 25.
 Ford, Reid G., Scarsdale, assignor to Vapryre Corporation, Pleasantville, N. Y. Apparatus for preparing hydrocarbon mixtures for combustion. 1,752,166; Mar. 25.
 Ford, Reid G., Scarsdale, assignor to Vapryre Corporation, Pleasantville, N. Y. Apparatus for preparing hydrocarbon mixtures for combustion. 1,752,167; Mar. 25.
 Ford, Robert J., assignor to National India Rubber Company, Bristol, R. I. Marking machine. 1,745,531; Feb. 4.
 Ford, Trace S., Des Moines, Iowa. Coffee pot. 1,743,033; Jan. 7.
 Ford, William C., Andover, Mass. Fountain pen. 1,781,504; Nov. 11.
 Fording, William G. (See Clark, M. G., and Fording.)
 Fordyce, Harriet, St. Louis, Mo. Receptacle. Des. 80,438; Feb. 4.
 Fordyce, Harriet, St. Louis, Mo. Garden tool. 1,770,072; July 8.
 Foregger, Richard, Roslyn, N. Y. Inhalation apparatus for anæsthetic and other purposes. 1,778,716; Oct. 21.
 Forehand, Thomas H., Nashville, Tenn. Repair instrument. 1,766,333; June 24.
 Foreman, Caley A., Schlater, Miss. Combined refrigerator and dispensing cabinet. 1,774,481; Aug. 26.
 Foreman, Dave, Lenorah, assignor of one-fourth to J. L. Hall and one-fourth to J. R. Vance, Stanton, Tex. Camera. 1,762,054; June 3.
 Foreman, Frederick F., Lansing, assignor of one-half to P. H. Fahey, Hubbardston, Mich. Valve-spring compressor and lifter. 1,760,980; June 3.
 Foresman, Clarence A., deceased, Cicero, Ill. D. A. Lund, administratrix. Finger-nail file. Des. 82932; Dec. 30.
 Foresman, Harry B., Enid, Okla., assignor to Lock Joint Window Company, Kansas City, Mo. Window. 1,752,271; Mar. 25.
 Forest Electric Company. (See Elderkin, James K., assignor.)
 Forest, René. (See Laverigne, Jean, assignor.)
 Forest City-Walworth Run Foundries Company, The. (See Hendricks, Roy G., assignor.)
 For-Eta Nut Company. (See Nichols, Fred J., assignor.)
 Forges & Ateliers de Constructions Electriques de Jeumont, Societe Anonyme. (See Langlois, Richard, assignor.)
 Forges & Ateliers de Constructions Electriques de Jeumont, Société Anonyme. (See Letrilliart, Pierre, assignor.)
 Forget, Arthur, assignor of one-third to C. J. Aldrich and one-third to A. Ferrier, Woonsocket, R. I. Wire clothespin. 1,764,833; June 17.
 Forgrove Machinery Company Limited, The. (See Grover, Frederick, assignor.)
 Forish, John A. (See Yencha, A. S., and Forish.)
 Fork, William C., Homewood, and W. C. Kronquest, assignors to Acme Steel Company, Chicago, Ill. Forming rims for tubs. 1,771,955; July 29.
 Fork, William C., and W. C. Kronquest, assignors to Acme Steel Company, Chicago, Ill. Rim for tubs. 1,771,978; July 29.
 Forker, Major T., Loomis, assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive booster. 1,778,757; Oct. 21.
 Forline, Hamilton. (See Segar, Elzie C., assignor.)
 Forman, Bernard S. (See De Garmo, Fred R., assignor.)
 Forman, David O., Morgantown, W. Va. Building block. 1,751,272; Mar. 18.
 Forman, John, et al. (See Pucek, Felix, assignor.)
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Device for operating double sliding doors. 1,743,812; Jan. 14.
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Pneumatic control valve. 1,744,041; Jan. 21.
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Door motor device. 1,748,509; Feb. 25.
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Electric heater for valves. 1,748,510; Feb. 25.
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Expander. 1,760,052; May 27.
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Rocker step connection. 1,769,946; July 8.
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Vehicle door-control system. 1,770,484; July 15.
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Constant-speed door engine. 1,772,773; Aug. 12.
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Treadle-switch structure. 1,775,755; Sept. 16.
 Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Magnet-valve construction. 1,786,234; Dec. 23.
 Forman, Robert E., Cincinnati, Ohio. Air-propelled motorcycle. 1,780,705; Nov. 4.
 Formica Insulation Company, The. (See Clark, George H., assignor.)
 Fornaca, Guido, deceased; L. Fornaca, executor, assignor to Fiat Societa Anonima, Turin, Italy. Motor vehicle. 1,747,166; Feb. 18.
 Fornaca, Luigi, executor. (See Fornaca, Guido.)
 Forncrook, Lawrence M., assignor to Elliott Company, Pittsburgh, Pa. Method and apparatus for effecting heat interchange. 1,773,037; Aug. 12.
 Forney, Cal A., Goshen, Ind. Folding ironing table. 1,762,924; June 10.
 Forney, Scott G. (See Polle, G. A., and Forney.)
 Forrest, Andrew, Chicago, Ill., assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Header for ingot molds. 1,778,316; Oct. 14.
 Forrest, Elbert E., Gary, Ind., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Pole hitch. 1,760,130; May 27.
 Forrest, Kenrick A. (See Mount, William D., assignor.)
 Forrest, Thomas W. W., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Ozone apparatus. 1,743,202; Jan. 14.
 Forrest, Thomas W. W., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Dried-fruit treatment. 1,773,425; Aug. 19.
 Forrester, Eugene P., Buffalo, N. Y. Batch box. 1,754,550; Apr. 15.
 Forrester, Eugene P., Buffalo, N. Y. Batch box and grappling means therefor. 1,754,620; Apr. 15.
 Forrester, Clarence C., and A. L. Hanks, Tulsa, Okla. Power take-off. 1,772,247; Aug. 5.
 Forrester, Samuel C., Atlanta, Ga. Matrix. 1,778,893; Oct. 21.
 Forrester, Washington E., Baltimore, Md. Heel. 1,756,456; Apr. 29.
 Forrier, George H., executor. (See Carr, John.)
 Fors, Eric H., Sheffield, England, assignor to Morgan Construction Company, Worcester, Mass. Device for selective handling of metal bars or billets. 1,762,291; June 10.
 Forsberg, Daniel, Brooklyn, N. Y. Grass cutter. 1,759,569; May 20.
 Forsberg, Emil G., Coalinga, Calif. Lathe-driven tail-stock feed. 1,772,940; Aug. 12.
 Forsberg, Erik A., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator. 1,749,764; Mar. 11.
 Forsberg, Erik A., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Pulverator for milking machines. 1,750,634; Mar. 18.
 Forsberg, Erik A., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Liquid cooler. 1,774,705; Sept. 2.
 Forsberg, Gunner O. (See Thomas, B. B., and Forsberg.)
 Forsberg, Gustav A., assignor to Gulbransen Company, Chicago, Ill. Expression-control device. 1,750,261; Mar. 11.
 Forse, Harry De, Anderson, Ind. Fabric anchorage. 1,757,241; May 6.
 Forse, Wm. H., jr. (See Neely, Herbert G., assignor.)
 Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Door catch. 1,783,563; Dec. 2.
 Forson, Russell. (See Berglund, J. A., and Forson.)
 Forssblad, Nils, Villa Ekbacka, Vasteras, Sweden. Steam generator. 1,766,989; June 24.
 Forssblad, Nils, Stockholm Sweden. Combustion-chamber wall for steam boilers. 1,774,136; Aug. 26.
 Forssell, Carl, Stockholm, Sweden. Carcass for buildings. 1,783,609; Dec. 2.
 Forssman, Villehad H., Cologne-on-the-Rhine, Germany. Pencil. 1,772,309; Aug. 5.
 Forst, John, assignor to Manhattan Wicker Co., New York, N. Y. Reclining armchair. Des. 81,971; Sept. 9.
 Forst, John, assignor to Manhattan Wicker Co., New York, N. Y. Wicker cane, and reed furniture manufacture. 1,765,412; June 24.
 Fürst, Willfried, Spandau, Germany. Closed exhaust box for silencing internal-combustion engines. 1,761,471; June 3.
 Forster, Albert O. and P. M., assignors of one-fourth to T. I. Forster and one-fourth to T. L. Kelly, Berkeley, Calif. Trap nest. 1,751,141; Mar. 18.
 Forster, Joseph A. (See Kittredge, E. E., Forster, and Johansen.)
 Forster Manufacturing Company, The. (See Forster, Thomas E., assignor.)
 Forster Manufacturing Company. (See Schuchman, Bertram F., assignor.)
 Forster, Paolo, Genoa Cornigliano, Italy. Electromagnetic clutch. 1,745,413; Feb. 4.
 Forster, Percy M. (See Forster, Albert O. and P. M.)
 Forster, Percy M., Berkeley, Calif. Dental gas burner. Des. 82,669; Dec. 2.

- Forster, Percy M., Berkeley, Calif. Torch. 1,782,872; Nov. 25.
- Forster, Thomas A. B., et al., executors. (See Burn, J. F., and Lancaster.)
- Forster, Thomas E., assignor to The Forster Manufacturing Company, Wichita, Kans. Grain-cleaning process and machine. 1,756,246; Apr. 29.
- Forster, Thomas I., et al. (See Forster, Albert O. and P. M., assignors.)
- Forster, William D., et al., executors. (See Burn, J. F., and Lancaster.)
- Forstner Chain Corporation. (See Forstner, William, assignor.)
- Forstner, William, assignor to Forstner Chain Corporation, Irvington, N. J. Flexible metallic strap. 1,751,475; Mar. 25.
- Forstner, William, assignor to Forstner Chain Corporation, Irvington, N. J. Flexible metallic strap. 1,781,379; Nov. 11.
- Forstner, William, assignor to Forstner Chain Corporation, Irvington, N. J. Mesh chain and making same. 1,782,004; Nov. 18.
- Forsyth Automatic Train Connector Company. (See Forsyth, Joseph E., assignor.)
- Forsyth, Joseph E., Chicago, Ill., assignor to Forsyth Automatic Train Connector Company, Chicago, Ill. Train-pipe coupling. 1,776,067; Sept. 16.
- Forsyth Metal Goods Company Inc. (See Blake, George E., assignor.)
- Forsythe, Calvin L., assignor of one-half to T. R. Dorsey, Chicago, Ill. Banjo mute. 1,761,294; June 3.
- Fort Howard Paper Company. (See Shaffer, Glenn A., assignor.)
- Fortier-Beaulieu, Paul. (See Constantin, Louis, assignor.)
- Fortier, Carolus, Outremont, Quebec, Canada. Machine for making dental rolls. 1,755,109; Apr. 15.
- Fortier, Charles L., Montreal, Quebec, Canada. Aircraft. 1,763,507; June 10.
- Fortier, Charles L., assignor to Johnson Service Company, Milwaukee, Wis. Psychrometer. 1,743,126; Jan. 14.
- Fortier, Leon D. (See Cooper, W. L., and Fortier.)
- Fortier, Leon D., Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Liquid-fuel cook stove. 1,780,421; Nov. 4.
- Fortinberry, Howard F., Fort Worth, assignor to Gulf Production Company, Houston, Tex. Dump and seal tubing valve. 1,784,050; Dec. 9.
- Fortine, Fred A., et al. (See Langstaff, Clinton A., assignor.)
- Fortney, Frank F., assignor to The B. L. Marble Chair Company, Bedford, Ohio. Chair construction. 1,756,545; Apr. 29.
- Fort Orange Paper Company. (See Metzger, Henry L., assignor.)
- Fort Pitt Bedding Company. (See Stubnitz, Maurice, assignor.)
- Fort Pitt Bedding Company. (See Wolf, Harry E., assignor.)
- Fort Pitt Mine Equipment Company. (See Endsley, Louis E., assignor.)
- Fortune, George, Arkansas City, Kans. Blade-sharpening device. 1,771,171; July 22.
- Fortune, John A., and D. E. Whitson, St. Louis, Mo., assignors of one-half to E. Schaaf, St. Marys, Mo. Refrigerant compressor. 1,760,636; May 27.
- Fort Wayne Engineering & Manufacturing Co. (See Tannehill, Vernon L., assignor.)
- Fort Worth Well Machinery & Supply Company. (See Parr, Harris G., assignor.)
- Forward, Charles A., Santa Barbara, and J. M. Garrison, Goleta, Calif. Device for operating casements, transoms, and the like. 1,744,625; Jan. 21.
- Forward, Worthy J. F. (See Roberts, R. R., and Forward.)
- Fosdick, Alexander H., Bethlehem, Pa., assignor to Bethlehem Steel Company, Tuyere. 1,762,814; June 10.
- Fosdick Machine Tool Company, The. (See Chace, Norman B., assignor.)
- Fosdick Machine Tool Company, The. (See De Roo, William C., assignor.)
- Foshay, W. B., Co. (See Foshay, W. B., and Magney, assignors.)
- Foshay, Wilbur B., and G. R. Magney, assignors to W. B. Foshay Co., Minneapolis, Minn. Building. Des. 82,492; Nov. 11.
- Foss, Lee R., Stockton, Calif. Automatic lock for extension ladders. 1,746,643; Feb. 11.
- Foss, Leonard R. and R., Oakland, Calif. Feed gun. 1,782,681; Nov. 25.
- Foss, Ruby. (See Foss, Leonard R. and R.)
- Foss, William A., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Fishing reel. 1,744,461; Jan. 21.
- Fossa, Joseph, Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for operating upon parts of shoe uppers. 1,754,464; Apr. 15.
- Fossa, Joseph, Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting device. 1,759,842; May 27.
- Foster, Charles E., Letchworth, England. Optical pyrometer. 1,771,533; July 29.
- Foster, Claud H., Wickliffe, Ohio. Shock absorber. 1,769,425; July 1.
- Foster, Claud H., Wickliffe, Ohio. Shock absorber. 1,770,031; July 8.
- Foster, Claud H., Wickliffe, Ohio. Shock absorber. 1,773,728; Aug. 26.
- Foster, Edward S. (See Kauffman, Walter B., assignor.)
- Foster, Edwin E., Austin, Tex. Hydraulic shock absorber. 1,752,072; Mar. 25.
- Foster, Frank A., assignor, by mesne assignments, to Sprague-Sells Corporation, Hoopeston, Ill. Machine for filling cans. 1,758,507; May 13.
- Foster, Frank A., assignor, by mesne assignments, to Sprague-Sells Corporation, Hoopeston, Ill. Can-filling machine. 1,758,508; May 13.
- Foster, Frank H., et al. (See Loehr, Harry M., assignor.)
- Foster, Franklin J., et al. (See Jones, Archdale J., assignor.)
- Foster, Harry C., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp construction. 1,769,426; July 1.
- Foster, Herbert V., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weight for weft-replenishing-loom thread holders. 1,766,894; June 24.
- Foster, Joseph, Jr., Bratenhal, assignor to The Enamel Products Company, Cleveland, Ohio. Making enamelware articles. 1,752,073; Mar. 25.
- Foster & Kleiser Company. (See Olmsted, Roger W., assignor.)
- Foster, Leon V., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens system. 1,761,441; June 3.
- Foster Machine Company. (See McKean, John O., assignor.)
- Foster, Mary F., trustee. (See Bollmann, Hermann, assignor.)
- Foster, Quinton D., Delaware, Ohio. Rifle sight. 1,774,053; Aug. 26.
- Foster, Robert, Chicago, Ill., assignor to Metal Traffic Marker Corporation, New York, N. Y. Surface marker. 1,747,665; Feb. 18.
- Foster, Robert, Chicago, Ill., assignor to Metal Traffic Marker Corporation, New York, N. Y. Surface marker. 1,747,666; Feb. 18.
- Foster, Robert, New York, N. Y., assignor to Metal Traffic Marker Corporation. Traffic marker. 1,747,667; Feb. 18.
- Foster, Theodore W., & Bro. Co. (See Callowhill, P. J., and Parkin, assignors.)
- Foster, Theodore W., & Brother Co. (See Parkin, Winfred T., assignor.)
- Foster, Theodore W., & Bros. Co. (See Larson, Karl R., assignor.)
- Foster, Thomas H., assignor to Topeka Tent & Awning Co., Topeka, Kans. Awning frame structure. 1,763,296; June 10.
- Foster, Volney, Chicago, Ill. Sand drier. 1,773,984; Aug. 26.
- Foster, Walter H. (See Kindervater, Julius, assignor.)
- Foster, Walter W., Wichita Falls, Tex. Automatic cat-head jerk-line control. 1,745,988; Feb. 4.
- Foster, Walter W., Wichita Falls, Tex. Combination make-up cathed and friction hoist. 1,755,728; Apr. 22.
- Foster, Walter W., Wichita Falls, Tex. Road tamping and maintenance machine. 1,758,281; May 13.
- Foster Wheeler Corporation. (See Bell, John E., assignor.)
- Foster Wheeler Corporation. (See Dean, Dion K., assignor.)
- Foster Wheeler Corporation. (See Dowd, Wyllys E., Jr., assignor.)
- Foster Wheeler Corporation. (See Keenan, Walter F., Jr., assignor.)
- Foster Wheeler Corporation. (See Keenan, W. F., Jr., and Eddy, assignors.)
- Foster Wheeler Corporation. (See Lonsdale, William, assignor.)
- Foster Wheeler Corporation. (See Nelis, Joseph J., assignor.)
- Foster Wheeler Corporation. (See Potter, John A., assignor.)
- Foster Wheeler Corporation. (See Powell, James A., assignor.)
- Foster Wheeler Corporation. (See Primrose, John, assignor.)
- Foster Wheeler Corporation. (See Spear, Robert D., assignor.)
- Postoria Glass Co. (See Sakier, George, assignor.)
- Potakis, John, Detroit, Mich. Combination rear-view mirror set for automobiles. 1,771,251; July 22.
- Foucault, Charles M. (See Matabon, J. L., and Foucault.)
- Foukes, Joseph P., assignor to Lee C. Moore & Company, Incorporated, Pittsburgh, Pa. Reinforcing leg and clamp for angle-iron derricks. 1,760,691; May 27.
- Foulds, Charles V. (See Orton, E. W., and Foulds.)
- Foulds, Charles V., Berkeley, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Hydraulic control system. 1,762,813; June 10.
- Foulhouze, Amable P. J.-M. (See Dugit, Pierre M. F., and Foulhouze.)
- Foulke, Frank P., assignor of forty-nine per cent to T. E. Grinslade, Indianapolis, Ind. Radio aerial bracket. 1,764,071; June 17.
- Foulke, Roland R., Philadelphia, Pa. Automatically-operable railway switch. 1,759,843; May 27.
- Foulke, Roy D., Warsaw, Ind., assignor to W. D. Leiter. Surgical splint. 1,755,641; Apr. 22.

- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Current rectifier and voltage regulator. 1,772,562; Aug. 12.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Co., Hoboken, N. J. Current rectifier and voltage regulator. 1,772,603; Aug. 12.
- Foulke, Ted E., Nutley, N. J., assignor to General Electric Vapor Lamp Company. Method and apparatus for measuring radiations such as the ultra-violet. 1,777,999; Oct. 7.
- Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Radiation meter. 1,778,000; Oct. 7.
- Foulks, Franklin L., Mount Holly, N. J. Body-handling device. 1,765,792; June 24.
- Foulks, Guy, et al. (See Javins, Harry A., assignor.)
- Foulks, James E., Brightwaters, assignor to Climax Stationery Company, Inc., New York, N. Y. Binding sheets. 1,768,593; July 1.
- Foulks, James E., Brightwaters, assignor to Climax Stationery Company, Inc., New York, N. Y. Binding sheets. 1,768,594; July 1.
- Foundation Company, The. (See Seehusen, Frank C., assignor.)
- Foundry Equipment Company, The. (See Schott, Wallace F., assignor.)
- Fountain, Howard J., assignor of one-half to The Clarkson Thimble Tube Boiler Company, London, England. Steam generator or water heater. 1,748,935; Feb. 25.
- Fountain, Joseph N., assignor to Old Colony Envelope Company, Westfield, Mass. Sheet-feeding apparatus. 1,762,537; June 10.
- Fountain, Lee C., Kingsburg, assignor of one-third to F. E. Weaver, Hyman, S. C. Plow point. 1,787,366; Dec. 30.
- Fountain, Levi W., assignor to Strawbridge & Clothier, Philadelphia, Pa. Container for dry-ice packs. 1,765,226; June 17.
- Fountain, Livingston, Brooklyn, N. Y. Anchoring means. 1,771,406; July 29.
- Fountaine, Philiza, Dahlen, assignor of one-half to I. Swinland, Lakota, N. Dak. Oil can. 1,751,314; Mar. 18.
- Fourment, Marcel, Paris, France. Apparatus for the continuous treatment of metal bodies. 1,749,700; Mar. 4.
- Fourment, Marcel, Paris, France. Manufacture of objects consisting of refractory, insulating, abrasive, or like substances. 1,756,457; Apr. 29.
- Fourment, Marcel, Paris, France. Apparatus for the treatment of gases at high temperatures. 1,763,229; June 10.
- Fourment, Marcel, Paris, France. Apparatus for high-temperature treatment of ores and other substances. 1,786,202; Dec. 23.
- Fourness Development Corporation, The. (See Fourness, Wilfred, assignor.)
- Fourness, Wilfred, Oakland, Calif., assignor to The Fourness Development Corporation, New York, N. Y. Compressor mechanism. 1,785,407; Dec. 16.
- Fournier, Célestine, Lewiston, Me. Button. 1,766,291; June 24.
- Fournier, G. W., et al. (See MacLellan, William J., assignor.)
- Fournier, Paul, assignor to Societe Francaise Cinechromatique Procédés R. Berthon, Paris, France. Apparatus for taking views and for the reproduction of cinematographic films in colors. 1,746,584; Feb. 11.
- Fousek, Joseph, San Francisco, Calif. Preserving eggs, and the yolks and whites thereof. 1,756,188; Apr. 29.
- Fousek, Joseph, San Francisco, Calif. Preserving eggs and the yolks and whites thereof. 1,756,189; Apr. 29.
- Foust, Clifford M., Schenectady, N. Y., assignor to General Electric Company. Surge-voltage recorder. 1,765,227; June 17.
- Fout Advertising Corporation. (See Wood, Joseph E., assignor.)
- Fouts, Samuel E., San Francisco, Calif. Vibrator. 1,751,626; Mar. 25.
- Foutz, Charles L., assignor to G & J Tire Company, Indianapolis, Ind. Method and apparatus for plying up rubber. 1,756,059; Apr. 29.
- Foutz, Jerry L., et al. (See Bradford, William G., assignor.)
- Fowden, William, Rapid City, S. Dak., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Screen. 1,770,977; July 22.
- Foweraker, Thomas S. (See Robinson, P. C., Foweraker, Beasley, and Sargent.)
- Fowler, Alfred B., deceased, by M. F. Fowler, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of boots and shoes. 1,743,203; Jan. 14.
- Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutter head. 1,753,855; Apr. 8.
- Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading machine. 1,771,621; July 29.
- Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading machine. 1,774,508; Sept. 2.
- Fowler, Charles, Ardsley-on-Hudson, N. Y. Test-tube rack. 1,763,461; June 10.
- Fowler, Charles H., Matherton, Mich. Vine cutter or bean puller. 1,759,741; May 20.
- Fowler, Clarence B., Queens Village, N. Y. Indicator for parking road vehicles. 1,754,014; Apr. 8.
- Fowler, Clarence B., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone set. 1,752,429; Apr. 1.
- Fowler, Clarence D., Bar Harbor, Me. Drill attachment. 1,750,957; Mar. 18.
- Fowler, Daniel E., San Antonio, assignor of one-half to N. M. Hawkins, El Paso, Tex. Vaporizing device. 1,763,508; June 10.
- Fowler, Edith M., executrix. (See Fowler, E. J., and Baird.)
- Fowler, Edward J., deceased, by E. M. Fowler, executrix, Redwood City, and D. Baird, Berkeley, Calif., assignors to Nichols Copper Company, New York, N. Y. Multiple hearth furnace. 1,751,142; Mar. 18.
- Fowler, Elathan A., assignor to The Floorola Corporation, York, Pa. Guard for trigger switches. 1,767,873; June 24.
- Fowler, Frank E., Athens, Ga. Conveyer for bottle-washing machines. 1,772,418; Aug. 5.
- Fowler, Frank E., Athens, Ga. Stop for bottle-crowning machines. 1,772,540; Aug. 12.
- Fowler, Fred D., Newton, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Machine for covering tire beads. 1,763,297; June 10.
- Fowler, Ival G., Toledo, assignor to The Edward Ford Plate Glass Company, Rossford, Ohio. Glass-cutting device. 1,762,575; June 10.
- Fowler, John. (See Coates, W. A., and Fowler.)
- Fowler, Mary F., administratrix. (See Fowler, Alfred B.)
- Fowler, Ralph S., San Francisco, Calif. Fastening means for belts. 1,785,947; Dec. 23.
- Fowler, Robert I. (See Rohrmann, A., and Fowler.)
- Fowler, Stanley, Bradford, and E. Edser, London, England. Preservation of eggs. 1,742,386; Jan. 7.
- Fowler, Thomas W., Werribee, Australia. Means for use in erecting concrete structures. 1,773,454; Aug. 19.
- Fowler and Union Horse Nail Co., The. (See Lange, Gustav W. and G. M., assignors.)
- Fownes Brothers & Co., Incorporated. (See Balouzet-Tillard, Suzanne, assignor.)
- Fownes, William C., jr., Pittsburgh; C. R. Barton, Sewickley, Pa.; and W. G. Benninghoff, Cleveland, Ohio, assignors, by mesne assignments, to Spang, Chalfant & Company, Incorporated, Pittsburgh, Pa. Boring and tapping machine. 1,764,717; June 17.
- Fox, A. Clare. (See Jones, Deyo, assignor.)
- Fox, Caroline L., New York, N. Y. Lingerie fastener. 1,755,291; Apr. 22.
- Fox Case Corporation. (See Baisley, James R., assignor.)
- Fox Case Corporation. (See Sponable, Earl I., assignor.)
- Fox, Clarence E., assignor to The Fox Toy Company, Berea, Ohio. Water float. Des. 81,780; Aug. 12.
- Fox, Clarence K., et al. (See Becker, Harry, assignor.)
- Fox, De Witt, New York, N. Y. Demonstrating display stand for elastic belts. 1,769,737; July 1.
- Fox, Earle D., Winnetka, assignor of forty-nine per cent to B. A. Schiff, Chicago, Ill. Mechanical toy. 1,762,574; June 10.
- Fox, Emiel R., Oakwood, N. Y. Lock. 1,758,395; May 13.
- Fox, Everett N., Milwaukee, Wis. Ornamental light for Christmas trees. 1,745,212; Jan. 28.
- Fox, Florian J., Baldwin, N. Y., assignor to American Bosch Magneto Corporation, Springfield, Mass. Electro-magnetic device. 1,770,131; July 8.
- Fox, Frank F., Fedora, South Dak. Chain pliers. 1,785,946; Dec. 23.
- Fox, Fred, Staunton, Ind. Well-stuffing box. 1,745,667; Feb. 4.
- Fox, Frederick L., Washington, D. C. Cap structure for collapsible tubes. 1,753,239; Apr. 8.
- Fox Furnace Company, The. (See Suppes, Max M., assignor.)
- Fox, Gordon. (See Rowan, J. S., and Fox.)
- Fox, Gordon, assignor to Freyn Engineering Company, Chicago, Ill. Hydraulic electric bell hoist. 1,760,637; May 27.
- Fox, Harold E., Pittsburgh, Pa., assignor to Pittsburgh Metal Airplane Company. Shaping hollow bodies. 1,781,723; Nov. 18.
- Fox, Harry. (See Dulin, Thomas C., assignor.)
- Fox, John G., Bellewood, and H. Helmholtz, Chicago, Ill. Shock absorber. 1,748,337; Feb. 25.
- Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Fluid-cooled roll. 1,783,465; Dec. 2.
- Fox, John H., and W. Owen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for making composite glass. 1,754,853; Apr. 15.
- Fox, John H., and W. Owen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for making composite glass. 1,765,829; June 24.
- Fox, John H., and W. Owen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for making composite glass. 1,775,123; Sept. 9.
- Fox, John H., and W. Owen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Surfacing machine. 1,783,960; Dec. 9.
- Fox, John J., Saginaw, Mich. Illuminated sign. 1,759,782; May 20.
- Fox, Joseph C. (See Pack, C., and Fox.)
- Fox, Julius S., Cleveland, Ohio. Aeroplane-wing structure. 1,758,360; May 13.
- Fox, M. K., administrator. (See Pelton, Robert. C.)

- Fox Machine Company. (See Fox, W. R., and Corwin, assignors.)
- Fox, Martin, assignor to The Seng Company, Chicago, Ill. Folding seat and bed frame. 1,747,150; Feb. 11.
- Fox, Martin, assignor to The Seng Company, Chicago, Ill. Folding table leaves. 1,770,104; July 8.
- Fox, Martin, assignor to The Seng Company, Chicago, Ill. Extension table. 1,778,666; Oct. 14.
- Fox, Maud C. (See Scott, I. G., and Fox.)
- Fox, Morris J., Downers Grove, assignor to The Railroad Supply Company, Chicago, Ill. Junction - box. 1,761,203; June 3.
- Fox, Nathan H., St. Louis, Mo. Supporting device. 1,764,678; June 17.
- Fox, Nathaniel T., Venice, Ill. Release valve. 1,768,899; July 1.
- Fox, Ralph P., Harrisburg, Pa. Dirigible-airship mooring mast. 1,743,962; Jan. 14.
- Fox, Richard W. H., Palmers Green, England. Cocktail shaker. 1,751,315; Mar. 18.
- Fox, Simon J., East Tawas, Mich. Outside door handle for vehicles. 1,744,957; Jan. 28.
- Fox Toy Company, The. (See Fox, Clarence E., assignor.)
- Fox, Vernie A., assignor to Young Brothers Company, Detroit, Mich. Sinuous conveyer. 1,746,644; Feb. 11.
- Fox, Vernie A., assignor to Young Brothers Company, Detroit, Mich. Double-deck oven. 1,746,645; Feb. 11.
- Fox, Vernie A., assignor to Young Brothers Company, Detroit, Mich. Agitator dip tank. 1,749,182; Mar. 4.
- Fox, Vernie A., assignor to Young Brothers Company, Detroit, Mich. Oven. 1,761,472; June 3.
- Fox, Vernie A., assignor to Young Brothers Company, Detroit, Mich. Air-circulation system for ovens. 1,767,872; June 24.
- Fox, Vernie A., assignor to Young Brothers Company, Detroit, Mich. Conveyer rack. 1,784,229; Dec. 9.
- Fox, William. (See Engl, J., Vogt, and Massolle, assignors.)
- Fox, William, Vaudeville Company. (See Fried, Armin, assignor.)
- Fox, William R., and H. D. Corwin, assignors to Fox Machine Company, Jackson, Mich. Tapping or like machine. 1,754,621; Apr. 15.
- Fox, William T., deceased, Rochester, N. Y.; G. M. Lavin and F. C. Smith, executors. Shock absorber. 1,776,766; Sept. 23.
- Fox, Winters B. (See Nielsen, L. C., and Fox.)
- Foxboro Company, The. (See Bristol, B. H., and Beal, assignors.)
- Foxboro Company, The. (See Bristol, Edgar H., assignor.)
- Foxboro Company, The. (See Hall, Malcolm B., assignor.)
- Foxboro Company, The. (See Reynolds, Irving W., assignor.)
- Foy, Patrick, Chicago, Ill. Electric signal lamp. 1,774,879; Sept. 2.
- Foyle, John W., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Pipe-securing means. 1,744,537; Jan. 21.
- Foyle, John W., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Brake rigging. 1,772,941; Aug. 12.
- Fr. Küttner Aktiengesellschaft. (See von den Driesch, Joseph, assignor.)
- Fractionator Company, The. (See D'Yarmett, Edward C., assignor.)
- Frahm, Carl A. (See Moyer, F. H., and Frahm.)
- Frahm, Carl A., and E. W. Riemenschneider, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Welding. 1,765,368; June 24.
- Frahm, Carl A., and Ed. W. Riemenschneider, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Sheet-metal shaft and making same. 1,777,080; Sept. 30.
- Frambach, Mathew J., Hartley, Iowa. Nonskid device. 1,750,098; Mar. 11.
- Framburg, H. A., Co. (See Framburg, Henry A., assignor.)
- Framburg, Henry A., assignor to H. A. Framburg & Company, Chicago, Ill. Wall bracket for lighting fixtures. Des. 81,575; July 15.
- Framburg, Henry A., assignor to H. A. Framburg Co., Chicago, Ill. Arm for lighting fixtures. Des. 82,145; Sept. 30.
- Frame, Archibald, Darvel, Ayrshire, Scotland. Punching of jacquard cards for use in lace and other weaving. 1,777,967; Oct. 7.
- Frame, Augustus J. (See Donley, H. B., Frame, and Gilmore.)
- Frame, Augustus J., assignor to Franklin Oil Heating, Inc., Columbus, Ohio. Automatic controlling mechanism. 1,781,453; Nov. 11.
- Frame, John. (See Broge, William F., assignor.)
- Frampton, William R., Glendale, Calif., assignor to Westinghouse Electric & Manufacturing Company. Service switch. 1,765,369; June 24.
- France, Antoine, Liege, Belgium. Process of and apparatus for washing coal and other minerals. 1,758,035; May 13.
- France, Antoine, Liege, Belgium. Apparatus for washing minerals by means of liquid streams. 1,759,940; May 27.
- France, Antoine, Liege, Belgium. Plant for washing coal and other minerals. 1,771,081; July 22.
- France, Antoine, Brussel, Belgium. Classifying apparatus. 1,785,679; Dec. 16.
- France, Benjamin F., Portsmouth, Ohio. Glass-drawing machine. 1,778,590; Oct. 14.
- France, Edward E., Greeley, Colo. Arm rest for motor vehicles. 1,758,693; May 13.
- France, John W., et al. (See Salmon, James P., assignor.)
- France, Thomas W., Providence, R. I., assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa. Tentering machine. 1,754,089; Apr. 8.
- Francesconi, Ezzio, San Francisco, and V. L. Bianchi, Oakland, Calif. Flying machine. 1,762,657; June 10.
- Franchere, F. W., et al. (See Franchere, H. A., and Jepp, assignors.)
- Franchere, Harold A., and A. E. Jepp, assignors of seventy per cent to S. L. Sherwin, F. W. Franchere, B. R. Thomas, and C. A. Johnson, Lake Crystal, Minn., and thirty per cent to said Harold A. Franchere. Lubricant-dispensing can. 1,751,732; Mar. 25.
- Franchetti, Nick. (See Orbin, George, assignor.)
- Franchot, Richard, assignor to Ferro Chemicals, Inc., Washington, D. C. Iron smelting. 1,756,349; Apr. 29.
- Franchot, Richard, and K. P. McElroy, assignors to Ferro Chemicals, Inc., Washington, D. C. Blast furnace. 1,775,955; Sept. 16.
- Francis, Daniel R., assignor to The Waterbury Tool Company, Waterbury, Conn. Variable-speed gear transmission. 1,767,787; June 24.
- Francis, Daniel R., assignor to The Waterbury Tool Company, Waterbury, Conn. Driving gear for paper calendars. 1,767,788; June 24.
- Francis, Daniel R., assignor to The Waterbury Tool Company, Waterbury, Conn. Driving means for wire-stranding machines. 1,774,880; Sept. 2.
- Francis, Daniel R., assignor to The Waterbury Tool Company, Waterbury, Conn. Control means for variable-speed transmissions. 1,785,733; Dec. 23.
- Francis, George J., Durham, Conn. Cash-box latch. 1,762,015; June 3.
- Francis, Harry G., Rushville, Ind. Plate glue spreader. 1,762,972; June 10.
- Francis, Jacob R. (See Heginbottom, Walter G., assignor.)
- Francis, Jacob R. (See Heitger, Frank H., assignor.)
- Francis, Jacob R. (See Redmond, Albert G., assignor.)
- Francis, Jacob R., Flint, Mich. Charge-heating control for internal-combustion engines. 1,749,246; Mar. 4.
- Francis, Jacob R., Flint, Mich. Combined charge and air heater for internal-combustion engines. 1,751,511; Mar. 25.
- Francis, Jacob R., Flint, Mich. Valve bearing. 1,763,350; June 10.
- Francis, Jacob R., Flint, Mich. Carburetor. 1,766,708; June 24.
- Francis, Jacob R., Flint, Mich. Heating medium control for charge-forming devices for internal-combustion engines. 1,766,781; June 24.
- Francis, John L., Fort Worth, Tex. Train air and steam line coupler. 1,750,398; Mar. 11.
- Francis, Louis, Asheville, N. C., assignor to Westinghouse Electric and Manufacturing Company. Radiocabinet. Des. 80,940; Apr. 15.
- Francis, William H. (See McGuinness, W. V., Chulstrom, and Francis.)
- Francis, William H., Jersey City, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Selective pneumatic-tube carrier. 1,776,068; Sept. 16.
- Francisco, George H., assignor of one-half to A. A. Davis, Los Angeles, Calif. Garment. 1,759,897; May 27.
- Frank, Edwin G., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Hoisting anchorage for car roofs. 1,749,973; Mar. 11.
- Frank, Edwin G., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,775,519; Sept. 9.
- Frank, Hans H. (See Caro, N., Frank, Franck, and Heimann.)
- Franck, Hans H., and H. Heimann, Berlin, Germany. Preparation of metallic cyanamides or mixtures containing them. 1,745,753; Feb. 4.
- Franck, John E., Richlands, N. C. Garment hanger. 1,751,198; Mar. 18.
- Francke, Bruno, and H. Moehrke, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-soluble dyestuffs of the triaryl-methane series and preparing the same. 1,747,541; Feb. 18.
- Franco-British Electrical Company. (See Brackensey, Auguste H., assignor.)
- Frangoeur, George J., Kankakee, Ill. Fire-alarm switch. 1,766,497; June 24.
- Francois Cementation Company Limited, The. (See Degenhardt, W. R., de Fraigne, and Bicknell, assignors.)
- Francois, Victor F., New York, N. Y. Folding stepladder. 1,772,213; Aug. 5.
- Franciscs, Karl, Budapest, Hungary. Trousers hanger. 1,780,153; Nov. 4.
- Frandsen, Rasmus M., Burlingame, Calif. Structural-steel truss joist. 1,776,467; Sept. 23.
- Frank, Albert R. (See Caro, N., Frank, Franck, and Heimann.)
- Frank, Alfred, Stuttgart, Germany. Iron frame wall for buildings and the like. 1,787,367; Dec. 30.
- Frank, Alexander H., Columbia, Pa. Attachment for gas water heaters. 1,758,788; May 13.
- Frank, Benjamin. (See Doeblor, Charles F., assignor.)

- Frank, Benjamin M., New York, assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Bed frame. 1,782,988; Nov. 25.
- Frank, Benjamin M., New York, assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Folding mattress. 1,785,252; Dec. 16.
- Frank, Charles W., Elizabeth, N. J. Check nozzle. 1,762,055; June 3.
- Frank, Edgar K., New York, N. Y. Necktie-lining fabric. 1,749,634; Mar. 4.
- Frank, Emil, Cincinnati, Ohio. Jar or similar article. Des. 81,439; June 24.
- Frank, Fritz, Berlin, Germany. Coating paper-pulp vessels for the protection thereof against the action of moisture, fat, soap, and the like. 1,753,565; Apr. 8.
- Frank, Harrison J. L., assignor to Bull Dog Electric Products Company, Detroit, Mich. Fused switching device. Re17,910; Dec. 23.
- Frank, Harrison J. L., Detroit, Mich. Closure fastener. 1,746,307; Feb. 11.
- Frank, Harrison J. L., assignor to Bulldog Electric Products Company, Detroit, Mich. Meter adapter. 1,778,972; Oct. 21.
- Frank, Harrison J. L., assignor to Bulldog Electric Products Company, Detroit, Mich. Control device. 1,786,010; Dec. 23.
- Frank, Harry S., Brooklyn, N. Y. Piston-ring spreader. 1,766,498; June 24.
- Frank, John G., Buffalo, N. Y. Electromagnetic transmission. 1,754,675; Apr. 15.
- Frank, John J., Pittsfield, Mass. Valve. 1,762,266; June 10.
- Frank, John J., Pittsfield, Mass. Valve. 1,775,090; Sept. 9.
- Frank, John J., Pittsfield, Mass. Valve. 1,775,091; Sept. 9.
- Frank, John J., Pittsfield, Mass., assignor to General Electric Company. Alternating-current transformer. 1,745,159; Jan. 28.
- Frank, John P., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,785,378; Dec. 16.
- Frank, John W., Milo, Iowa. Attachment for corn-picking machines. 1,764,947; June 17.
- Frank, John W., Muscatine, Iowa. Window-operating device. 1,773,353; Aug. 19.
- Frank, Leo C., McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company. Shading coil. 1,768,950; July 1.
- Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,810; Dec. 16.
- Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,811; Dec. 16.
- Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,812; Dec. 16.
- Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,813; Dec. 16.
- Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,814; Dec. 16.
- Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,815; Dec. 16.
- Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,816; Dec. 16.
- Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,817; Dec. 16.
- Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,818; Dec. 16.
- Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,819; Dec. 16.
- Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,820; Dec. 16.
- Frank, Leon H., Detroit, Mich., assignor to Bull Dog Electric Products Company. Crating means for conduits. 1,774,641; Sept. 2.
- Frank, Maxwell C., Oakland, Calif. Asphaltic material and method of fabrication thereof. 1,776,468; Sept. 23.
- Frank, Pardee H., assignor to The Timken Roller Bearing Company, Canton, Ohio. Shaft inclosure. 1,781,685; Nov. 18.
- Frank, Paul A., Akron, Ohio. Tire-building drum. 1,777,405; Oct. 7.
- Frank, S. K., et al. (See Gullette, William A., assignor.)
- Frankart, Inc. (See Von Frankenberg, Arthur, assignor.)
- Frank, Bernard E., Catonsville, Md. Tinsel garland. 1,773,580; Aug. 19.
- Frankel, David, Cleveland, Ohio. Electrolier. Des. 81,636; July 22.
- Frankel, David, Cleveland, Ohio. Electrolier. Des. 81,637; July 22.
- Frankel, Fridolf, Stockholm, Sweden. Sound device for stringed instruments. 1,777,260; Sept. 30.
- Frankenberg, Julius, New York, assignor of one-half to William A. Smith, Woodhaven, Long Island, N. Y. Film-cleaning device. 1,748,760; Feb. 25.
- Frankenburger, Walter. (See Mittasch, A., and Frankenburger.)
- Frankenburger, Walter, and C. Steigerwald, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Artificial compositions, especially those resembling rubber. 1,756,943; May 6.
- Frankenhoff, Charles A., Evanston, Ill. Filter cover. 1,767,523; June 24.
- Frankforter, Clarence J., Lincoln, assignor to Frankforter Oil Process, Inc., Omaha, Nebr. Treating hydrocarbons. 1,780,873; Nov. 4.
- Frankforter Oil Process, Inc. (See Frankforter, Clarence J., assignor.)
- Frankie, Richard C., Seattle, Wash. Mechanical driving means for concrete mixers. 1,768,472; June 24.
- Frankignoul, Edgard, assignor to Société Anonyme Compagnie Internationale des Pieux Armés Frankignoul, Liege, Belgium. Driving lining tubes for molding concrete piles in the ground. 1,764,948; June 17.
- Frankl, Paul T., New York, N. Y., assignor to Celluloid Corporation. Toilet-article holder or similar article. Des. 81,090; May 6.
- Frankl, Paul T., New York, N. Y., assignor to Warren Telechron Company. Combined clock casing and dial therefor or similar article. Des. 82,548; Nov. 18.
- Franklin, Arthur G., et al. (See Geffken, Claus, assignor.)
- Franklin Baker Company. (See Rector, Thomas M., assignor.)
- Franklin, Charles B., assignor to Indian Motorcycle Co., Springfield, Mass. Front-wheel-brake mounting for motor cycles. 1,763,096; June 10.
- Franklin, Charles S., Buckhurst Hill, Essex, England, assignor to Radio Corporation of America. Directional aerial system and feeding system therefor. 1,746,389; Feb. 11.
- Franklin, Charles S., and B. J. Witt, London, England, assignors to Radio Corporation of America. Wireless-telegraph receiving system. 1,773,354; Aug. 19.
- Franklin, Charles S., and B. J. Witt, London, G. M. Wright, Chesterfield, and S. B. Smith, Chelmsford, England, assignors to Radio Corporation of America. Wireless-telegraph receiving system. 1,773,355; Aug. 19.
- Franklin, Charlie E., Burlington, Iowa. Game. 1,780,071; Oct. 28.
- Franklin Equipment Company. (See Langer, Rudolph J., assignor.)
- Franklin, George E., Miles City, Mont. Engine. 1,762,437; June 10.
- Franklin, George W., Muskogee, Okla. Vehicle. 1,751,316; Mar. 18.
- Franklin, H. H., Manufacturing Company. (See Haven, Kent C., assignor.)
- Franklin Knitting Mills, Inc. (See Hug, Frank, assignor.)
- Franklin Oil Heating, Incorporated. (See Donley, H. B., Frame, and Gilmore, assignors.)
- Franklin Oil Heating, Inc. (See Frame, Augustus J., assignor.)
- Franklin Oil Heating Incorporated. (See Stuart, William W., assignor.)
- Franklin Process Company. (See Traver, William A., assignor.)
- Franklin Railway Supply Company. (See Forker, Major T., assignor.)
- Franklin Railway Supply Company. (See Knight, Ronald F., assignor.)
- Franklin Railway Supply Company. (See Martin, Frederick W., assignor.)
- Franklin Railway Supply Company. (See Martin, F. W., and Peters, assignors.)
- Franklin Railway Supply Company. (See Peters, Frank R., assignor.)
- Franklin Railway Supply Company. (See Roberts, Montague H., assignor.)
- Franklin Railway Supply Company. (See Roberts, M. H., and Peters, assignors.)
- Franklin Railway Supply Company. (See Schellens, Eugene L., assignor.)
- Franklin Railway Supply Company. (See Titus, H. J., and Wallis, assignors.)
- Franklin Railway Supply Company. (See Zouck, George H., assignor.)
- Franklin, Ralph E., assignor of one-half to T. P. Knutson, Minneapolis, Minn. Refrigerator. 1,782,720; Nov. 25.
- Franklin, Ray W. (See Rickey, J. J., and Franklin.)
- Franklin Rayon Dyeing Company. (See Traver, William A., assignor.)
- Franklin, Reginald G., Billingham, Stockton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Catalysts for the catalytic production of methanol and other oxygenated organic compounds from oxides of carbon and hydrogen. 1,774,432; Aug. 26.
- Franklin Simon & Company, Inc. (See Long, Dorothy, assignor.)
- Franks, Clem H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-distributing apparatus. 1,764,618; June 17.
- Franks, Clem H., La Grange, and M. R. Olsen, Glen Ellyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for arranging articles. 1,750,315; Mar. 11.
- Franks, Erris, London, England. Traveling rug. Des. 82,216; Oct. 7.

- Franks, Harry H., assignor of three-fourths to Tidal Oil Company, Tulsa, Okla. Wrist-pin puller. 1,777,432; Oct. 7.
- Franks, Harry H., assignor of three-fourths to Tidal Oil Company, Tulsa, Okla. Walking-beam stirrup. 1,784,003; Dec. 9.
- Franks, Lewis W., Port Neches, Tex. Closure hanger. 1,757,422; May 6.
- Franquet, Jean, Chatillon Sous Bagneux, and N. Dziacos, Paris, France. Removable radiating device for the cooling of spark plugs. 1,782,260; Nov. 18.
- Frans, Charles H., Jr., Milwaukee, Wis. Loose-leaf binder. 1,779,121; Oct. 21.
- Fransen, John E., Brooklyn, N. Y. Educational puzzle. 1,752,248; Mar. 25.
- Franson, Frank J., Tower, Minn. Portable tourist sink. 1,761,258; June 3.
- Frantz, George A., et al., trustee. (See Baker, W. E., and Aland, assignors.)
- Frantz Manufacturing Co. (See Ferris, William D., assignor.)
- Frantz, Virgil L., and O. O. Lemon, Roanoke, Va., assignors to said Frantz. Locomotive sending device. 1,784,051; Dec. 9.
- Frantz, Walter A., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Washing machine. 1,760,822; May 27.
- Frantz, Walter A., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Domestic washing machine. 1,765,067; June 17.
- Franz, Arthur, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing cellulose. 1,777,751; Oct. 7.
- Franz, Charles H., Jr., Milwaukee, Wis. Loose-leaf binder. 1,748,644; Feb. 25.
- Franz, Frederick, Hamden, assignor to The New Haven Clock Co., New Haven, Conn. Apparatus for testing the balance-wheel units of clocks, watches, etc. 1,748,645; Feb. 25.
- Franz, Frederick, Hamden, assignor to The New Haven Clock Co., New Haven, Conn. Machine for making lantern pinions. 1,772,419; Aug. 5.
- Franz, Frederick, Hamden, assignor to The New Haven Clock Co., New Haven, Conn. Testing and adjusting device for the balance-wheel units of clocks and watches. 1,779,122; Oct. 21.
- Franz, Theodor, Bochum, Germany. Dressing coal, lignite, and like materials. 1,769,217; July 1.
- Franzen, Eric T., Newark, N. J. Wire end splicing device and connecting guard. 1,763,298; June 10.
- Franzen, Eric T., Newark, N. J. Cable joint. 1,775,996; Sept. 16.
- Franzen, Hans, and M. Luther, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Bleaching and deodorizing oxidation products of high-molecular hydrocarbons. 1,757,455; May 6.
- Franzen, Nicklas, Long Beach, Calif., assignor to Mississippi Glass Company. Apparatus for forming sheet glass. 1,749,332; Mar. 4.
- Franzmann, Emile C., West Somerville, Mass. Fountain pen, lever filler. 1,751,855; Mar. 25.
- Frapplier, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Lubricating system for projection machines. 1,764,783; June 17.
- Frapplier, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Sprocket for motion-picture projection machines. 1,776,383; Sept. 23.
- Frary, Francis C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Calcined bauxite and producing same. 1,756,425; Apr. 29.
- Fraschetti, Virgilio, London, England. Cabinet for the storage of gramophone disk records and the like. 1,782,606; Nov. 25.
- Fraser, Bernard, Vancouver, British Columbia, Canada. Wrench. 1,771,172; July 22.
- Fraser, Charles W., Toronto, Ontario, assignor to The George Everall Company, Limited, Toronto, Canada. Combination Envelope. 1,772,280; Aug. 5.
- Fraser, Frank, assignor to Libbey-Owens Glass Company, Toledo, Ohio. Laminated glass. 1,753,744; Apr. 8.
- Fraser, Frank, assignor to Libbey-Owens Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,761,204; June 3.
- Fraser, Frank C., Fortuna, Calif. Tree falling and lowering device. 1,767,444; June 24.
- Fraser Furnace Company. (See Fraser, Richard E., assignor.)
- Fraser, James, Hillcrest, Edgemoor, assignor to Speakman Company, Wilmington, Del. Combination soap dish and faucet. Des. 80,439; Feb. 4.
- Fraser, James, assignor to D. Campbell, Glasgow, Scotland. Power-transmitting and speed-regulating gear. 1,773,985; Aug. 26.
- Fraser, James, Edge Moor, assignor to Speakman Company, Wilmington, Del. Shower head. 1,780,988; Dec. 30.
- Fraser, James S., Warren, Ohio. Mud gun. 1,767,660; June 24.
- Fraser, James S., Warren, Ohio. Mud gun. 1,767,661; June 24.
- Fraser, James W., Cleveland, Ohio. Asphaltic concrete paving. 1,757,661; May 6.
- Frazer, James W., Moncton, New Brunswick, and G. Ferabee, Montreal, Quebec, Canada. Clotheshorse. 1,764,072; June 17.
- Fraser, John, Leckmelm-by-Garve, Scotland, assignor to British Petroleum Company, Limited, London, England. Apparatus for the measurement of liquids by volume. 1,763,426; June 10.
- Fraser, John, Leckmelm-by-Garve, Scotland, assignor to British Petroleum Company, Limited, London, England. Apparatus for the measurement of liquids. 1,763,427; June 10.
- Fraser, John A., Berkeley, Calif., assignor to The Kawneer Company, Niles, Mich. Latch. 1,764,014; June 17.
- Fraser, Lovias F., Sand Springs, Okla. Counterbalance. 1,770,880; July 15.
- Fraser, Richard E., assignor to Fraser Furnace Company, Stockton, Calif. Gas furnace. 1,762,683; June 10.
- Fraser, William, Arvida, Quebec, Canada. Aeronautical indicator. 1,786,059; Dec. 23.
- Fraser, William W., New York, N. Y. Turbine locomotive. 1,757,242; May 6.
- Frazer, Gordon G., assignor to G. B. Lewis Company, Watertown, Wis. Hive frame. 1,782,202; Nov. 18.
- Frauenheim, Aloysius M., Pittsburgh, Pa. Pipe joint. 1,770,609; July 15.
- Fray, Henry. (See Daugert, P., Frey, and Dunleavy.)
- Frazier, Cephas U., Orosi, Calif. Raisin-cleaning apparatus. 1,762,684; June 10.
- Frazier, Harmon C., Martin, Tenn. Hook. 1,744,538; Jan. 21.
- Frazier, James W., assignor to P. J. Beresford, San Antonio, Tex. Drag link. 1,773,986; Aug. 26.
- Frazier, Orville Z., Pontiac, assignor of one-half to J. Holloway, Grand Rapids, Mich. Carbureter. 1,778,215; Oct. 14.
- Frazier, Patrick. (See Brown, C. H., and Frazier.)
- Frazier, Pearl G., Ankeny, Iowa. Rotary valve structure. 1,742,589; Jan. 7.
- Frazier, Pearl G., Ankeny, Iowa. Engine and valve structure. 1,757,302; May 6.
- Frazier, Philip A., Chicago, Ill., assignor to R. R. Donnelley & Sons Co. Bookbinding machine. 1,747,581; Feb. 18.
- Frazier, Philip A., Chicago, Ill., assignor to R. R. Donnelley & Sons Co. Book-trimming machine. 1,757,623; May 6.
- Frazier, Philip A., assignor to R. R. Donnelley & Sons Company, Chicago, Ill. Rotatable indexing table. 1,785,408; Dec. 16.
- Frazier, Sherman W. (See Wilson, William S., assignor.)
- Frazier, William H. (See Cross, A. B., and Frazier.)
- Frazzano, Antonio, Orange, N. J. Convertible table. 1,762,773; June 10.
- Freas, Francis L., Conshohocken, Pa. Syringe hydrometer. 1,764,254; June 17.
- Frease, Hurxthal F. (See Bahney, Robert H., assignor.)
- Frease, Hurxthal F., Canton, Ohio. Trussed structure. 1,774,827; Sept. 2.
- Fred, Selim. (See Stinson, G., and Fred.)
- Frederick, Alfred W. B., Manila, P. I. Button fastener. 1,779,369; Oct. 21.
- Frederick, Charles P., Seattle, Wash. Pump. 1,763,395; June 10.
- Frederick, Charles W., assignor to Eastman Kodak Company, Rochester, N. Y. Optical system for use in photographic color processes. 1,749,278; Mar. 4.
- Frederick, Halsey A., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm system. 1,762,973; June 10.
- Frederick Iron & Steel Company, The. (See Brice, Albert L., assignor.)
- Frederick Iron & Steel Company, The. (See Hargis, George R., assignor.)
- Frederick Iron & Steel Company, The. (See Lewis, Basil C., assignor.)
- Frederick, Louis T., Valparaiso, Ind. Commutator assembly apparatus. 1,759,500; May 20.
- Frederick, Louis T., assignor to Fibroc Insulation Company, Valparaiso, Ind. Composite gear. 1,745,571; Feb. 4.
- Frederick, Louis T., assignor to Chicago Mica Company, Valparaiso, Ind. Commutator assembly mechanism. 1,759,501; May 20.
- Frederick, Louis T., assignor, by mesne assignments, to Chicago Mica Company, Valparaiso, Ind. Mica-laying machine. 1,760,233; May 27.
- Frederick, Louis T., assignor to Chicago Mica Company, Valparaiso, Ind. Molding materials. 1,760,234; May 27.
- Frederick, Louis T., assignor, by mesne assignments, to Chicago Mica Company, Valparaiso, Ind. Mica-sorting machine. 1,761,113; June 3.
- Frederick, Louis T., assignor to Fibroc Insulation Company, Valparaiso, Ind. Composite gear. 1,761,114; June 3.
- Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, N. J. Veneering lumber and the like and resulting product. 1,779,426; Oct. 28.
- Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Method and apparatus for feeding disks to a closing mold. 1,782,989; Nov. 25.
- Fredericks, Arthur R., Los Angeles, Calif., assignor to J. Powers, Oxnard, Calif. Stage setting. 1,772,661; Aug. 12.

- Frederickson, Charles A., Mount Vernon, assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism. 1,745,414; Feb. 4.
- Frederickson, Christian, Rice Lake, and E. J. Gustafson, Superior, assignors to Northway Manufacturing Company, Superior, Wis. Ski sled. 1,768,046; June 24.
- Frederickson, Clayton E., Moline, Ill., assignor, by mesne assignments, to Thompson Motor Corporation, Muscatine, Iowa. Frame and spring suspension for motor vehicles. 1,786,906; Dec. 30.
- Frederickson, Otto A., Wethersfield, assignor to The Wire-mold Company, Hartford, Conn. Electrical cable. 1,746,390; Feb. 11.
- Frederickson, Otto A., Wethersfield, assignor to The Wire-mold Company, Hartford, Conn. Insulated conductor. 1,749,740; Mar. 4.
- Frederickson, Otto A., Wethersfield, assignor to The Wire-mold Company, Hartford, Conn. Electrical cable. 1,751,143; Mar. 18.
- Frederickson, Otto A., Wethersfield, assignor to The Wire-mold Company, Hartford, Conn. Electrical conductor. 1,772,436; Aug. 5.
- Frederickson, Otto A., Wethersfield, Conn., assignor, by mesne assignments, to National Electric Products Corporation, New York, N. Y. Underfloor-conduit system. 1,776,656; Sept. 23.
- Frederickson, Otto A., Ben Avon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Protected armored cable or conduit. 1,781,574; Nov. 11.
- Frederics, E., Inc. (See Frederics, Ernest O., assignor.)
- Frederics, Ernest O. (See Brown, James C., assignor.)
- Frederics, Ernest O., assignor to E. Frederics, Inc., New York, N. Y. Hair-drying hood. Des. 81,922; Sept. 2.
- Frederics, Ernest O., assignor to E. Frederics, Inc., New York, N. Y. Portable suspension device. 1,777,663; Oct. 7.
- Frederics, Ernest O., assignor to E. Frederics, Inc., New York, N. Y. Hair and scalp treating apparatus. 1,780,182; Nov. 4.
- Frederiksen, Claus, Nordborg, Denmark. Lancet. 1,755,777; Apr. 22.
- Fredici, Marino. (See Bartoletti, Dante, assignor.)
- Fredsell, Charles R. (See Magnusson, J., and Fredsell.)
- Free, Chester A., Attica, Ind. Self-adjusting arch support. 1,757,904; May 6.
- Freeberg, George. (See Simons, G. A., and Freeberg.)
- Freeburg, Sture, Chicago, Ill. Flowerpot. 1,778,150; Oct. 14.
- Freed, Alfred, Chicago, Ill. Box. Des. 80,687; Mar. 11.
- Freed, Frank A. (See Pearson, Alfred, assignor.)
- Freedlein, David, New York, N. Y. Hat iron and steamer. 1,749,667; Mar. 4.
- Freedman, Charles S., Los Angeles, Calif. Rectal suppository and holder therefor. 1,762,858; June 10.
- Freedman, Leo. (See Schulman, Solomon, assignor.)
- Freegard, William, Elizabeth, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Surface covering and making the same. 1,782,416; Nov. 25.
- Freeland, Albert M., assignor to C. Edward, Chicago, Ill. Pump or engine. 1,761,259; June 3.
- Freeland, Edward M., Steubenville, Ohio, and F. McGough, Follansbee, W. Va., assignors to Follansbee Brothers Company, Pittsburgh, Pa. Apparatus for heating. 1,750,884; Mar. 18.
- Freeland, Robert L., Los Angeles, Calif. Sediment trap. 1,776,498; Sept. 23.
- Freeling, Joseph E., et al. (See Thexton, J., Jr., and Tomlinson, assignors.)
- Freeman, Albert E., East Orange, N. J., assignor to American Telephone and Telegraph Company. Thrust bearing. 1,786,565; Dec. 30.
- Freeman, Charles K., Chicago, Ill. Tie rack. 1,754,940; Apr. 15.
- Freeman, Clarence G., Lindsay, Calif. Aeroplane. 1,777,557; Oct. 7.
- Freeman, Benjamin W., Cincinnati, Ohio. Making boots and shoes. 1,745,668; Feb. 4.
- Freeman-Daughaday Company. (See Daughaday, Frank P., assignor.)
- Freeman, Edgar H., assignor to Circle F Mfg. Co., Trenton, N. J. Universal fastening for lamp-socket casings. 1,769,829; July 1.
- Freeman, Ernest H., Wilmette, assignor to Republic Flow Meters Co., Chicago, Ill. Electric meter. 1,768,552; July 1.
- Freeman, Ernest H., Wilmette, assignor to Republic Flow Meters Co., Chicago, Ill. Electrically-operated flow meter. 1,768,553; July 1.
- Freeman, Frederick C., Providence, R. I. Apparatus for making gas. 1,777,301; Oct. 7.
- Freeman, Hadley F. (See Gastonguay, Leger S., assignor.)
- Freeman, Hadley F. (See Lee, George E., assignor.)
- Freeman, Hadley F., Lakewood, Ohio, assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,764,784; June 17.
- Freeman, Harold A., Los Angeles, Calif. Pneumatic rubber shoe sole. 1,777,558; Oct. 7.
- Freeman, James D., Kalamazoo, Mich. Container for adhesives and the like. 1,743,204; Jan. 14.
- Freeman, John C., Jeffersonville, Ind. Handgrip attachment for steering wheels. 1,784,230; Dec. 9.
- Freeman, John V., Bellerose, N. Y. Coating material and process. 1,775,193; Sept. 9.
- Freeman, Louis G., assignor to The Louis G. Freeman Company, Cincinnati, Ohio. Side-tack puller. 1,743,441; Jan. 14.
- Freeman, Louis G., assignor to The Louis G. Freeman Company, Cincinnati, Ohio. Side-tack puller. 1,743,445; Jan. 14.
- Freeman, Louis G., Company, The. (See Freeman, Louis G., assignor.)
- Freeman, Michael N., Racine, Wis. Boiler. 1,760,487; May 27.
- Freeman, Ray, Perrine, Fla. Brake equalizer. 1,770,030; July 8.
- Freeman, Samuel, New York, N. Y. Lip stick. 1,766,990; June 24.
- Freeman and Sweet. (See Hall, Harry E., assignor.)
- Freeman, Walter A., Augusta, Kans. Loading device. 1,782,607; Nov. 25.
- Freeman, Walter B. (See Waner, H. B., and Freeman.)
- Freer, Phelps M., Detroit, Mich., assignor of 51 per cent to C. H. Lewis, Cleveland, Ohio, and 49 per cent to Detroit and Security Trust Company, trustee. Piston. 1,746,308; Feb. 11.
- Freer, Phelps M., Detroit, Mich. Piston. 1,780,183; Nov. 4.
- Frees, H. E., Co., The. (See Mitchel, Chester A., assignor.)
- Freeze, Charles L., Spokane, Wash. Hose connection. 1,743,537; Jan. 14.
- Freeze, Frank G., Aldan, Pa. Rail lock. 1,754,155; Apr. 8.
- Freeth, Richard T., Hempstead, N. Y. Stationary hose reel. 1,787,194; Dec. 30.
- Free Sewing Machine Company. (See Kelso, Ralph S., assignor.)
- Freeze, John H., Cape Girardeau, Mo. Boat. 1,780,467; Nov. 4.
- Freeze, Jonathan R., assignor to The American Rolling Mill Company, Middletown, Ohio. Machine for corrugating sheet metal. 1,766,743; June 24.
- Freeze, Jonathan R., assignor to The American Rolling Mill Company, Middletown, Ohio. Crate for metallic sheets. 1,785,863; Dec. 23.
- Frehe, Albert W., assignor to General Motors Corporation, Detroit, Mich. Front-wheel brake. 1,761,912; June 3.
- Frehe, Albert W., and C. G. Belden, assignors to General Motors Corporation, Detroit, Mich. Clutch. 1,780,749; Nov. 4.
- Frei, Gottfried. (See Ashton, G., and Frei.)
- Frei, John, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making alkyl chlorides. 1,784,423; Dec. 9.
- Freiberg, George W., St. Louis, Mo. Fermentation process for producing acetone and butyl alcohol. 1,744,958; Jan. 28.
- Freiberg, Stanley B., et al. (See Landsberger, Lenore K., assignor.)
- Freiberg, Stanley B., Cincinnati, Ohio. Easel support. 1,767,753; June 24.
- Freiburghouse, Edward H., Schenectady, N. Y., assignor to General Electric Company. Ventilation of dynamoelectric machines. 1,761,783; June 3.
- Freiburghouse, Edward H., Schenectady, N. Y., assignor to General Electric Company. High-voltage apparatus. 1,783,837; Dec. 2.
- Freiday, Jay A. (See Lawrence, J. H., and Freiday.)
- Freidberg, Benjamin. (See Heilwell, S., and Freidberg.)
- Freitag, Joseph, Astoria, N. Y., assignor to Bright Star Battery Company, Inc., Hoboken, N. J. Flash light. 1,768,554; July 1.
- Freivogel, Ernest, assignor of one-half to R. A. Jackson, Ridgefield, Conn. Automobile tire remover. 1,742,590; Jan. 7.
- Freivogel, Ernest, assignor of one-half to R. A. Jackson, Ridgefield, Conn. Tire remover and carrier. 1,762,168; June 10.
- Fréjacques, Jean L. M., Paris, France. Automatic device for storage-battery filling. 1,745,011; Jan. 28.
- Fremon, Jules A., and A. S. De Haven, Leeper, Mo., assignors, by mesne assignments, to Pen Desk Set Company. Fountain-pen desk stand. 1,782,109; Nov. 18.
- French Battery Company. (See Barany, Edmund R., assignor.)
- French, Charles A., Columbus, assignor to Farmers National Bank, trustee, Greenville, Ohio. Vaporizing blue-flame burner. 1,744,111; Jan. 21.
- French, Cyril. (See Marriott, E. J., and French.)
- French, Delbert H., Oak Park, assignor to J. Q. Gill, Peoria, Ill. Journal bearing. 1,748,925; Feb. 25.
- French, Delbert H., Oak Park, assignor to J. Q. Gill, Peoria, Ill. Reconstructing locomotive driving journal boxes. 1,748,926; Feb. 25.
- French, Donald E. (See Lewis, A. T., and French.)
- French Electric Company. (See French, George B., assignor.)
- French, George B., Southampton, N. Y., assignor to French Electric Company, Inc. Telephone-transmitter case. Des. 81,184; May 20.
- French, George W., Chicago, Ill. Game. 1,747,767; Feb. 18.
- French, Harold R. (See Perry, Fred D., assignor.)
- French & Hecht, Incorporated. (See Einfeldt, Ernest E., assignor.)
- French, James B., Jamaica, N. Y. Transfer or float bridge. 1,778,667; Oct. 14.
- French, Leroy W., Bloomington, Ill. Rain-water filter. 1,777,609; Oct. 7.

- French, Louis O., Milwaukee, Wis. Valve. 1,746,855; Feb. 11.
- French, Louis O., Milwaukee, Wis. Spray nozzle. 1,746,856; Feb. 11.
- French, Louis O., Milwaukee, Wis. Electromagnetic valve. 1,758,105; May 13.
- French, Louis O., Milwaukee, Wis. Internal-combustion engine. 1,762,550; June 10.
- French, Norman R. (See Mean, S. P., and French.)
- French Oil Mill Machinery Co., The. (See Stacy, Thomas F., assignor.)
- French, Shirley S., Canton, Ohio, assignor, by mesne assignments, to The Berger Manufacturing Company. Locker latch. 1,775,092; Sept. 9.
- French, Silas, Rochester, N. Y. Guard support. 1,761,717; June 3.
- French Society "La Roue Elastique." (See Laroze, Jean J. C., assignor.)
- French, Steve. (See Gilmore, F. M., and French.)
- French, William A., assignor to Wm. A. French Furniture Co., Minneapolis, Minn. Dressing table. Des. 80,365; Jan. 21.
- French, William A., assignor to Wm. A. French Furniture Co., Minneapolis, Minn. Bedstead frame. Des. 80,688; Mar. 11.
- French, William A., Minneapolis, Minn. Cabinet. Des. 82,738; Dec. 9.
- French, William A., Minneapolis, Minn. Table. Des. 82,739; Dec. 9.
- French, Wm. A., Furniture Co. (See French, William A., assignor.)
- Frenier, Albert B., Chicago, Ill., assignor, by mesne assignments, to Petroleum Heat and Power Company, New York, N. Y. Burning liquid fuel in furnaces for heating buildings. 1,743,205; Jan. 14.
- Frenier, Albert B., Chicago, Ill., assignor, by mesne assignments, to Petroleum Heat and Power Company, New York, N. Y. Auxiliary control device. 1,747,357; Feb. 18.
- Frenkel, Gennady, Kingston-on-Thames, England. Advertising or like sign or device. 1,782,721; Nov. 25.
- Frenkel, Samuel M., assignor to Superset Brush Co., Inc., New York, N. Y. Paintbrush. 1,763,696; June 17.
- Frenne, Nils H. (See Ruths, J. Frenne, and Bäckström.)
- Freret, William A., assignor to National Lime Association, Washington, D. C. Filler for building units and process of preparation. 1,762,267; June 10.
- Frerichs, Frederick W., Jr. (See Wallace, H. B., and Frerichs.)
- Frese, Frich. (See Pungs, W., and Frese.)
- Freshkoff, Vladimir, New York, N. Y. Brake-band-lining device. 1,785,076; Dec. 16.
- Freshman, Chas., Co. Inc. (See Eltz, George J., Jr., assignor.)
- Freshwater, Perry G., and O. G. Fishel, Newton, Iowa. Wood-sawing machine. 1,756,287; Apr. 29.
- Freud, Emil, Brooklyn, N. Y. Valve. 1,744,877; Jan. 28.
- Freundenreich, William F., et al., trustees. (See Arey, Fred C., assignor.)
- Freund, Edward, Long Beach, N. Y. Sound reproducer. 1,752,981; Apr. 1.
- Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Punching matrices. 1,783,838; Dec. 2.
- Freund, Joseph L., New York, N. Y. Textile fabric. Des. 80,413; Jan. 28.
- Freund, Louis. (See Schmidt, Lambert, Jr., assignor.)
- Freundlich, Erich, Dusseldorf-Oberkassel, Germany. Evaporator for refrigerating plants. 1,753,856; Apr. 8.
- Freundlich, Ralph A., Brooklyn, N. Y. Display figure and making same. 1,751,273; Mar. 18.
- Frevort, Harry L., Philadelphia, Pa. Desulphurizing ferrous metal. 1,770,395; July 15.
- Frey, Andrew C., Jackson, Mich. Grinder shield. 1,759,941; May 27.
- Frey & Co., Frey-Uhren Aktiengesellschaft, et al. (See Frey, Emil, assignor.)
- Frey & Co., Frey Watch Co., Limited, et al. (See Frey, Emil, assignor.)
- Frey & Co., Montres Frey Societe Anonyme et al. (See Frey, Emil, assignor.)
- Frey, Charles N. (See Brown, E. B., Frey, and Harkins.)
- Frey, Elmer E., assignor to J. P. Meehan and E. F. Leonard, Los Angeles, Calif., doing business as Leonard Machinery Company. Stapling machine. 1,763,040; June 10.
- Frey, Emil, assignor to the firm Frey & Co., Frey-Uhren Aktiengesellschaft (Frey & Co., Montres Frey, Societe Anonyme) (Frey & Co., Frey Watch Co., Limited), Bienne, Switzerland. Watch. 1,754,884; Apr. 15.
- Frey, Ernest H., Willoughby, Ohio. Vending machine. 1,744,112; Jan. 21.
- Frey, Karl. (See de Freudenreich, J., and Frey.)
- Frey, Karl, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Back-pressure turbine. 1,750,262; Mar. 11.
- Frey, Otto, Windisch, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Automatic control for evaporators. 1,766,622; June 24.
- Frey, Otto, Windisch, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Steam power plant. 1,766,623; June 24.
- Frey, Ralph W., Mount Rainier, Md., assignor to the Government and the people of the United States of America. Tanning preparation and process. 1,757,040; May 6.
- Freydberg, Aaron, New York, and J. Marcus, Brooklyn, N. Y.; said Marcus assignor, by mesne assignments, to O. K. Thomas and J. D. Malkin, trading as National Pad and Binding Company, Philadelphia, Pa. Waistband. 1,755,213; Apr. 22.
- Freydberg Bros., Inc., et al. (See Marcus, Jacob, assignor.)
- Freydberg Bros., Inc., et al. (See Strauss, Nathan J., assignor.)
- Freydberg Bros. Inc. (See Thomas, O. K., and Malkin, assignors.)
- Freygang, Walter H., Weehawken, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Manual release for fire-extinguishing apparatus. 1,757,563; May 6.
- Frey Engineering Company. (See Fox, Gordon, assignor.)
- Frey Engineering Company. (See Rice, Owen R., assignor.)
- Frey Engineering Company. (See Rowan, J. S., and Fox, assignors.)
- Frey Engineering Company. (See Willcox, Frederick H., assignor.)
- Frey Engineering Company. (See Willcox, F. H., and Everhard, assignors.)
- Freysinger, John B., New Britain, Conn. Automobile door latch. 1,755,352; Apr. 22.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 80,414; Jan. 28.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 80,415; Jan. 28.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 80,482; Feb. 11.
- Freysinger, John B., assignor to North and Judd Manufacturing Company, New Britain, Conn. Latch-controlling mechanism. 1,764,438; June 17.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 81,781; Aug. 12.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 81,782; Aug. 12.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 81,923; Sept. 2.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 81,924; Sept. 2.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 81,972; Sept. 9.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Automobile door latch. 1,771,387; July 22.
- Friberg, Bengt F., assignor to Laclede Steel Company, St. Louis, Mo. Joint for concrete slabs. 1,768,555; July 1.
- Friberg, Hjalmar, Stockholm, assignor to Aktiebolaget Fribergs Högvacuumump, Stockholm, Sweden. Piston pump. 1,772,137; Aug. 5.
- Friberg, John, Westboro, Mass. Milk strainer. 1,755,919; Apr. 22.
- Frick, Chester A., and R. E. Baker, Muncie, assignors to Glasscock Brothers Mfg. Company, Muncie, Ind. Bottle-vending machine. 1,767,583; June 24.
- Frick Company. (See Buehler, Leon, Jr., assignor.)
- Frick, Frederick F., assignor to Anaconda Copper Mining Company, Anaconda, Mont. Pulverized-coal feeder. 1,772,802; Aug. 12.
- Frick, George W., Baltimore, Md. Refrigerator-door frame. 1,783,235; Dec. 2.
- Frick, Mary E., administratrix. (See Frick, William C.)
- Frick, William C., deceased, Danville, Pa.; M. E. Frick administratrix. Mechanism for salvaging tin cans. 1,761,984; June 3.
- Frick, William C., Clarkston, assignor of nine-twentieth to W. N. Fry, Dayton, and one-tenth to A. J. Schlee, Clarkston, Wash. Bottle holder and lock. 1,746,527; Feb. 11.
- Fricke, August, assignor to the firm Hawenta-Platten-Gesellschaft m. b. H., Berlin, Germany. Producing well-adhering coatings on asbestos-cement-slate plates. 1,779,229; Oct. 21.
- Frickey, Edward H., assignor to Dixie Machinery Manufacturing Company, St. Louis, Mo. Grinder. 1,759,448; May 20.
- Frickey, Royal E., San Francisco, and A. S. Kalenborn, Redwood City, Calif. Arc welding system. 1,749,133; Mar. 4.
- Frickey, Royal E., San Francisco, and A. S. Kalenborn, Redwood City, assignors to Welding Service, Inc., San Francisco, Calif. Arc welding system. 1,778,973; Oct. 21.
- Friden, Carl M. F. (See Johnston, C. L., and Friden.)
- Friderichsen, Peter C. C., Independence, Mo. Floor tile or similar article. Des. 81,783; Aug. 12.
- Fridolph, Annette, assignor to A. B. A. Specialties Company, Inc., New York, N. Y. Sanitary waist garment. 1,749,333; Mar. 4.
- Fried, Abraham L., New York, N. Y. Shoe and making same. 1,784,806; Dec. 9.
- Fried, Armin, assignor to William Fox Vaudeville Company, Los Angeles, Calif. Camera mounting. 1,780,585; Nov. 4.

- Fried. Eugene, Newark, N. J. Device for preventing boiling over of milk. 1,782,417; Nov. 25.
- Fried. Fritz. (See Wietzel, G., Jannek, and Fried.)
- Fried. Krupp Grusonwerk Aktiengesellschaft. (See Weighardt, P., and Schrott, assignors.)
- Fried. Krupp Aktiengesellschaft. (See Becker, J., Just, and Hort, assignors.)
- Fried. Krupp Aktiengesellschaft. (See Breitling, Ernst, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Fry, Adolf, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Gross Siegfried, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Herrmann, Heinrich, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Hofmann, Konrad, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Jacobs, Werner, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Just, H., and Hort, assignors.)
- Fried. Krupp Aktiengesellschaft. (See Pfretzschnur, Jakob, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Schmücking, August, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Schröter, K., and Wolff, assignors.)
- Fried. Krupp Aktiengesellschaft. (See Stäblein, Fritz, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Strauss, Benno, assignor.)
- Fried. Krupp Germaniawerft Aktiengesellschaft. (See Haussmann, Karl, assignor.)
- Fried. Krupp Germaniawerft Aktiengesellschaft. (See Herkt, Ernst, assignor.)
- Fried. Krupp Germaniawerft Aktiengesellschaft. (See Heydemann, Wolfgang, assignor.)
- Fried. Krupp Germaniawerft Aktiengesellschaft. (See Hopf, Wilhelm, assignor.)
- Fried. Krupp Germaniawerft Aktiengesellschaft. (See Louis, Martin, assignor.)
- Fried. Krupp Grusonwerk Aktiengesellschaft. (See Bodenstein, Paul, assignor.)
- Fried. Krupp Grusonwerk Aktiengesellschaft. (See Johannsen, Friedrich, assignor.)
- Fried. Krupp Grusonwerk Aktiengesellschaft. (See Stephani, Hermann, assignor.)
- Fried. Krupp Grusonwerk Aktiengesellschaft. (See Veenhuyzen, George, assignor.)
- Fried. Krupp Grusonwerk Aktiengesellschaft. (See Weighardt, Paul, assignor.)
- Fried. Michael. (See Gaven, W. J., and Fried.)
- Friedberg, Leonard, Brooklyn, N. Y. Powder puff. 1,754,090; Apr. 8.
- Friedberger-Aaron Manufacturing Company. (See Aull, Harry, assignor.)
- Friede, Samuel M., and F. J. McGuire, Sarasota, Fla. Match-stock-cutting apparatus. 1,781,900; Nov. 18.
- Friede, Samuel M., and F. J. McGuire, Sarasota, Fla. Match machine. 1,786,486; Dec. 30.
- Friedeberg, Oscar. (See Diebold, F., and Friedeberg.)
- Friedel, Arthur C., assignor to J. F. Friedel Paper Box Company, Syracuse, N. Y. Toy building structure. 1,742,905; Jan. 7.
- Friedel, J. F., Paper Box Company. (See Friedel, Arthur C., assignor.)
- Friedemann, Matthew M., New York, N. Y. Show case or the like. Des. 81,091; May 6.
- Frieder, Alfred F., et al. (See Mead, George J., assignor.)
- Frieder, Oscar E., et al. (See Mead, George J., assignor.)
- Frieder, Oscar E., Chicago, Ill. Aerial advertising device. 1,765,665; June 24.
- Friedl, Joseph, Covington, Ky., assignor to The Avey Drilling Machine Company, Cincinnati, Ohio. Feed mechanism for drilling machines. 1,767,762; June 24.
- Friedlaender, Isidore L., Detroit, Mich. Hold-down device for automobiles. 1,751,512; Mar. 25.
- Friedlander, Adele S., San Francisco, Calif. Shield for garments. 1,764,555; June 17.
- Friedlander, Cecil A., assignor to Cecil Assur Byworth & Company, London, England. Spring catch. 1,759,550; May 20.
- Friedländer, Daniel, Brussels, Belgium, assignor to Messrs. A. Meursing and E. J. Gratama, Amsterdam, Netherlands. Manufacture of sensitized velvet paper for photographic uses. 1,752,665; Apr. 1.
- Friedlander, Hans, Berlin-Wilmersdorf, and A. Janser, Berlin-Charlottenburg, Germany; said Janser assignor to said Friedlander. Substitute for hard paper, ebonite, fiber, and the like and a process for manufacturing the same. 1,766,817; June 24.
- Friedlein, Robert E. (See Burden, W. H., and Friedlein.)
- Friedley-Voshardt Co. (See Fisk, E., and Kahlenberg, assignors.)
- Friedley-Voshardt Co. (See Voshardt, Herman F., assignor.)
- Friedman, Albert E. (See Friedman, Joseph B. and A. E.)
- Friedman, Albert J., Chicago, Ill. Ring. Des. 82,549; Nov. 18.
- Friedman, Alex. (See Hajek, Otto, assignor.)
- Friedman, Benjamin L., and S. Kovac, Roebbing, N. J. Mop head and wringer. 1,752,337; Apr. 1.
- Friedman, Emery G., Tampico, Mexico. Tank-sealing device. 1,754,091; Apr. 8.
- Friedman, Isadore, Roxbury, Mass. Lantern for gasoline stations and the like. Des. 81,925; Sept. 2.
- Friedman, Isadore, Roxbury, Mass. Combined beacon and lantern. 1,781,326; Nov. 11.
- Friedman, Joseph B. and A. E., San Francisco, Calif. Safety-razor handle. 1,774,596; Sept. 2.
- Friedman, Sam, Atlanta, Ga. Hair clippers. 1,764,556; June 17.
- Friedman, Samuel, Brooklyn, N. Y. Fur-treating method and apparatus. 1,776,114; Sept. 16.
- Friedman, Samuel M., Taylor, Pa. Building construction. 1,780,013; Oct. 28.
- Friedman Silver Co. (See Budd, Howard L., assignor.)
- Friedman, William, assignor to Lupe, Inc., New York, N. Y. Toilet accessory. 1,743,813; Jan. 14.
- Friedmann, Firm of Alex. (See Hajek, Otto, assignor.)
- Friedmann, the firm Alex. (See Neumetz, Gustav, assignor.)
- Friedmann, Firm of Alex. (See Srolowitz, Hermann, assignor.)
- Friedmann, Jacob, Freeport, assignor to Kaylon, Incorporated, New York, N. Y. Shirt pocket and making the same. 1,780,874; Nov. 4.
- Fried-Osterman Company. (Bruggeman, Alphonse J., assignor.)
- Friedrich Deckel Fabrik für Präzisionsmechanik und Maschinenbau. (See Braren, Lorenz K., assignor.)
- Friedrich, Francis. (See Friedrich, Fritz R., and F.)
- Friedrich, Fritz R., and F., New York, N. Y. Electrical resistance device. 1,772,281; Aug. 5.
- Friedrich, Hermann. (See Bögemann, M., and Friedrich.)
- Friedrich, Max. (See Salomon, H., and Friedrich.)
- Friedrich, Robert, Philadelphia, Pa. Hosiery. Des. 81,185; May 20.
- Friedrich, Wilhelm, Berlin-Lankwitz, Germany. Dry fire-extinguisher containing a pressure-gas cylinder. 1,768,047; June 24.
- Friedrichs, Wilhelm, Berlin, Germany. Franking machine. 1,750,399; Mar. 11.
- Friel, Claude L., Chicago, Ill. Check-stub clip. 1,744,462; Jan. 21.
- Friel, John J. (See Baker, Delbert, assignor.)
- Friend, Floyd R., Lubbock, Tex. Adjustable stripper for cotton pickers. 1,776,315; Sept. 23.
- Friend, Robert O., Chicago, Ill. Construction of zeolite water softeners. 1,783,466; Dec. 2.
- Friend Manufacturing Company. (See Hull, Arthur B., assignor.)
- Friend, Wayne Z., Charleston, W. Va., assignor to Baltimore Gas Engineering Corporation. Fractionation apparatus. 1,780,818; Nov. 4.
- Friendly, Herbert M., Chicago, Ill. Automatic telephone system. Re17,638; Apr. 8.
- Friendly, Herbert M., Chicago, Ill. Automatic telephone system. 1,744,696; Jan. 21.
- Friendly, Herbert M., Portland, Ore. Telephone system. 1,757,564; May 6.
- Friendly, Herbert M., Chicago, Ill. Automatic telephone system. 1,759,190; May 20.
- Friendly, Herbert M., Chicago, Ill. Automatic telephone system. 1,760,823; May 27.
- Friendly, Herbert M., Chicago, Ill. Automatic telephone system. 1,772,713; Aug. 12.
- Friendly, Herbert M., Chicago, Ill. Telephone system. 1,776,021; Sept. 16.
- Friendly, Herbert M., Portland, Ore. Telephone system. 1,776,022; Sept. 16.
- Frier, James H., jr., Webster Groves, assignor to J. L. Mesker, St. Louis, Mo. Toy house. 1,758,314; May 13.
- Fries, Earl C., South Bend, Ind., assignor to The Studebaker Corporation, Detroit, Mich. Removing varnish and enamel coatings. 1,742,347; Jan. 7.
- Frigidaire Corporation. (See Andrews, Frank W., assignor.)
- Frigidaire Corporation. (See Braeutigam, Henry P., assignor.)
- Frigidaire Corporation. (See Campbell, John G., assignor.)
- Frigidaire Corporation. (See Chamberlin, Harry T., assignor.)
- Frigidaire Corporation. (See Chilton, Ralph H., assignor.)
- Frigidaire Corporation. (See Claiborne, Sidney, assignor.)
- Frigidaire Corporation. (See Fehr, John R., assignor.)
- Frigidaire Corporation. (See Geller, Frederick C., assignor.)
- Frigidaire Corporation. (See Hofferberth, George F., assignor.)
- Frigidaire Corporation. (See Holbrook, William C., assignor.)
- Frigidaire Corporation. (See Hull, Harry B., assignor.)
- Frigidaire Corporation. (See Hull, H. B., and Warner, assignors.)
- Frigidaire Corporation. (See Keighley, Lloyd M., assignor.)
- Frigidaire Corporation. (See Keilholtz, L. S., and Dickey, assignors.)
- Frigidaire Corporation. (See Keyes, Frederick G., assignor.)
- Frigidaire Corporation. (See King, Jesse G., assignor.)
- Frigidaire Corporation. (See Lacey, Walter E., assignor.)
- Frigidaire Corporation. (See Olsen, Olaf C., assignor.)
- Frigidaire Corporation. (See Pratt, Ernest R. I., assignor.)
- Frigidaire Corporation. (See Schmeling, Warren H. F., assignor.)

- Frigidaire Corporation. (See Schweller, Sylvester M., assignor.)
- Frigidaire Corporation. (See Sheats, John H., assignor.)
- Frigidaire Corporation. (See Stock, Anthony T., assignor.)
- Frigidaire Corporation. (See Summers, Otto M., assignor.)
- Frigidaire Corporation. (See Tibbetts, Raymond W., assignor.)
- Frigidaire Corporation. (See Troup, George M., assignor.)
- Frigidaire Corporation. (See Vogt, Clarence W., assignor.)
- Frigidaire Corporation. (See Wallace, Hugh, assignor.)
- Frigidaire Corporation. (See Wallace, H., and Stevenson, assignors.)
- Frigidaire Corporation. (See Warner, Clarence, assignor.)
- Frigidaire Corporation. (See Williams, Harry M., assignor.)
- Fris-Hansen, Erik, Fort Saskatchewan, Alberta, Canada. Harvesting machine. 1,782,261; Nov. 13.
- Fris, Harald T., Red Bank, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio receiving system. 1,762,974; June 10.
- Frings, Gerhard, Cologne-Sulz, Germany. Butter cutter. 1,754,885; Apr. 15.
- Frink, Frederick W., Schenectady, N. Y., assignor to General Electric Company. High-frequency signaling system. 1,783,037; Nov. 25.
- Frink, Robert L., Lancaster, Ohio. Method and apparatus for melting glass and the like. 1,751,987; Mar. 25.
- Frisch, August, St. Gallen, Switzerland. Pumping apparatus. 1,750,170; Mar. 11.
- Frisch, Martin, St. Louis, Mo., assignor to International Combustion Engineering Corporation, New York, N. Y. Roller journal. 1,755,250; Apr. 22.
- Frisch, Martin, St. Louis, Mo., assignor to International Combustion Engineering Corporation, New York, N. Y. Forced-feed lubricating system for roller journals. 1,778,525; Oct. 14.
- Frisch, Walter P., Rochester, N. Y. Time-control mechanism. 1,763,230; June 10.
- Frischer, Hermann, Cologne-Lindenthal, Germany. Production of acids. 1,754,156; Apr. 8.
- Frischke, Max. (See Schulz, W., Frischke, and Schiffmann.)
- Frise, Leslie G., assignor to The Bristol Aeroplane Company, Limited, Bristol, England. Control surface for aircraft, submersibles, and the like. 1,785,620; Dec. 16.
- Frister, Fritz. (See Kalischer, G., Salkowski, and Frister.)
- Fritsch, Rockel A., assignor to J. Lawrie, Chicago, Ill. Fountain pen. 1,760,824; May 27.
- Fritsch, Rockel A., assignor to J. Lawrie, Chicago, Ill. Fountain pen. 1,772,628; Aug. 12.
- Fritsch, Rockel A., assignor to J. Lawrie, Chicago, Ill. Fountain pen. 1,775,899; Sept. 16.
- Fritts, Edwin C., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture apparatus. 1,750,220; Mar. 11.
- Fritts, Edwin C., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture title-making machine. 1,763,231; June 10.
- Fritts, Edwin C., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic cartridge. 1,784,281; Dec. 9.
- Fritz, Fred. (See Fritz, Wilbert G. and F.)
- Fritz, Howard E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cushioning anchorage device. 1,784,897; Dec. 16.
- Fritz, John, New Bedford, Mass. Metal clip. 1,742,989; Jan. 7.
- Fritz, Wilbert G. and F., Manhattan, Kans. Paper-trimming device. 1,777,791; Oct. 7.
- Frizell, De Ralph, Watson, assignor, by mesne assignments, to Richfield Oil Company of California, Los Angeles, Calif. Product for treating drill-stem joints. 1,758,598; May 13.
- Frizzell, Calfus F., Richmond, Va. Sewer plug. 1,745,923; Feb. 4.
- Froedtert, Kurtis R., assignor to Brinsmere Boat and Cycle Company, Milwaukee, Wis. Water vehicle. 1,761,883; June 3.
- Froehlich, Eugene, New York, N. Y. Obstetrical extractor. 1,782,814; Nov. 25.
- Froelich, Clarence H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Fuse for trench-mortar projectiles. 1,768,678; July 1.
- Froelich, Rudolph, Halstead, Kans. Air heater. 1,776,725; Sept. 23.
- Froesch, Charles, Teaneck, N. J., assignor to International Motor Company, New York, N. Y. Vehicle frame construction. 1,750,221; Mar. 11.
- Froggatt, George A. (See Cherry, C., and Froggatt.)
- Fröhlich, Hans, Zug, Switzerland, assignor to Landis & Gyr A.-G. Method and mechanism for effecting correct registration in electricity meters. 1,747,358; Feb. 18.
- Fröhlich, Hans, and R. Pudelko, Zug, Switzerland, assignors to Landis & Gyr, A.-G. Induction meter. 1,755,110; Apr. 15.
- Fröhlich, Hans, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Electric meter. 1,770,204; July 8.
- Fröhlich, Hans, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Induction meter. 1,786,157; Dec. 23.
- Fröhlich, Hans, and W. Zingg, assignors to Landis & Gyr, A.-G., Zug, Switzerland. Induction meter. 1,786,156; Dec. 23.
- Fröhlich, Jaroslaw, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuff and making same. 1,743,034; Jan. 7.
- Frohm, Henry A., Aetna, Ind. Pneumatic excavator and conveyor. 1,754,507; Apr. 15.
- Frohman, Emanuel. (See Stewart, Walter C., assignor.)
- Frohman, Emanuel. (See Stewart, W. C., and Frohman.)
- Frohman, Emanuel, Gastonia, N. C. Adjustable lubricating means. 1,779,063; Oct. 21.
- Frohmann, Josef, Newark, N. J. Wash-hanging apparatus. 1,766,624; June 24.
- Frohring, William O., Shaker Heights, Ohio, and W. F. Richards, Mason, Mich., assignors, by mesne assignments, to The Laboratory Products Company, Cleveland, Ohio. Spray drier. 1,754,941; Apr. 15.
- Frohring, William O., Shaker Heights, Ohio, and W. F. Richards, Mason, Mich., assignors, by mesne assignments, to The Laboratory Products Company, Cleveland, Ohio. Producing caseinates. 1,762,169; June 10.
- Frohwerk, Paul M. C., Portland, Oreg. Helicopter toy. 1,775,756; Sept. 16.
- Frøland, Peder E., Høyanger, Norway. Furnace for the production of aluminum. 1,761,442; June 3.
- Frome, Elizabeth. (See Butler, G. F., and Frome.)
- Fromm, Edward, Hamburg, Wis. Marking pelts or furs. 1,776,657; Sept. 23.
- Fromm, Herbert, Hamburg, Wis. Shock absorber. 1,753,047; Apr. 1.
- Fromm, Willy, Frankfort-on-the-Main, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening distributor. 1,785,832; Dec. 23.
- Frommann, Gustav H. (See Geer, Lawrence S., assignor.)
- Frontier Development Company, The. (See Manifold, Richard G., assignor.)
- Frontz, Albert, assignor to The American Gypsum Company, Port Clinton, Ohio. Packaging machine. 1,776,255; Sept. 23.
- Frooks, Donald L., Lynbrook, N. Y. Time-controlled switch apparatus. 1,757,456; May 6.
- Frosali, Mario, New York, N. Y. Doll. Des. 81,973; Sept. 9.
- Frost, Anson J., Spokane, Wash. Electric insect destroyer. 1,754,748; Apr. 15.
- Frost, Archie L. (See Ager, C. P., Frost, and Demmer.)
- Frost, Clarence B., Cambridge, Mass. Fastening bands about bales or the like. 1,782,465; Nov. 25.
- Frost, John A., Carthage, N. Y., assignor to National Paper Products Company, San Francisco, Calif. Lock for paper containers. 1,758,361; May 13.
- Frost, Max. (See Stone, A., and Frost.)
- Frost, Norman J., Bad Axe, and R. S. Seese, Detroit, Mich. Switch-closing mechanism. 1,746,932; Feb. 11.
- Frost, Norman J., Bad Axe, and R. S. Seese, Detroit, Mich. Automatic reclosing circuit breaker. 1,773,356; Aug. 19.
- Frost, Robert T., Oakland, Calif. Adjustable support. 1,778,255; Oct. 14.
- Frost, William J., Mansfield, La. Reversible train-classification signal. 1,755,577; Apr. 22.
- Frost, William M., Spokane, Wash. Insect trap. 1,743,664; Jan. 14.
- Frost, William M., Spokane, Wash. Insect trap. 1,743,665; Jan. 14.
- Frost & Wood. (See Goddard, J., and Calvert, assignors.)
- Frostað, George O., and J. E. Annen, assignors to The National Paper Can Company, Milwaukee, Wis. Can-making machine. 1,749,279; Mar. 4.
- Frosted Foods Company. (See Barry, James J., assignor.)
- Frosted Foods Company. (See Birdseye, Clarence, assignor.)
- Frothingham, Thomas W. (See Frothingham, William A. and T. W.)
- Frothingham, William A. and T. W., Portland, Me. Laundry-sorting apparatus. 1,748,042; Feb. 18.
- Frova, Giovanni, Milan, Italy. Fruit-pitting machine. 1,784,347; Dec. 9.
- Fruchtman, Saul W., Brooklyn, N. Y., assignor to Ever-lite Novelty Mfg. Corp. Lamp base or article of analogous nature. Des. 82,023; Sept. 16.
- Fruchtman, Saul W., Brooklyn, N. Y., assignor to Ever-lite Novelty Mfg. Corp. Lamp. Des. 82,420; Nov. 4.
- Fruehauf, Harvey C., and F. M. Reid, assignors to Fruehauf Trailer Company, Detroit, Mich. Semitrailer support. 1,770,572; July 15.
- Fruehauf Trailer Company. (See Fruehauf, H. C., and Reid, assignors.)
- Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)
- Frühbeis, Georg, Berlin-Friedenau, Germany. Ice skate. 1,751,692; Mar. 25.
- Fruth, Hal F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmitter. 1,759,898; May 27.
- Fruth, Hal F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Vibratory element and producing the same. 1,765,413; June 24.
- Fruth, Hal F., Chicago, and T. O. Westhafer, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Transmitter. 1,764,619; June 17.
- Fruwirth, Arthur, Brooklyn, N. Y. Scale and attachment for reducing and enlarging cameras. 1,755,177; Apr. 22.

- Fry, Adolf, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Nitralloy Corporation. Electric resistance furnace adapted for hardening by nitrogenization. Re17,874; Nov. 18.
- Fry, Adolf, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Ladle. 1,771,114; July 22.
- Fry, Adolf, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Heating metal melts. 1,771,918; July 29.
- Fry, Benjamin L., St. Louis, Mo. Coin-actuated mechanism. 1,761,784; June 3.
- Fry, Benjamin L., St. Louis, Mo. Coin-actuated mechanism. 1,761,785; June 3.
- Fry, Charles H. M., Point Pleasant, W. Va. Internal-combustion-engine valve and valve gear. 1,764,255; June 17.
- Fry, Charles H. M., Point Pleasant, W. Va. Cooling system for internal-combustion engines. 1,774,881; Sept. 2.
- Fry, Clark L., assignor of one-half to H. W. Goggins, Wisconsin Rapids, Wis. Internal-combustion engine. 1,751,080; Mar. 18.
- Fry, Dalph, assignor to Fry Equipment Corporation, Rochester, Pa. Battery filler. 1,778,383; Oct. 14.
- Fry Equipment Corporation. (See Fry, Dalph, assignor.)
- Fry, Jacob R., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 1,762,774; June 10.
- Fry, Jacob R., Montclair, and R. E. Hantzsch, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Retarded-action circuit controller. 1,746,827; Feb. 11.
- Fry, Jacob R., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 1,778,894; Oct. 21.
- Fry, John W., Struthers, Ohio. Vehicle spring. 1,743,538; Jan. 14.
- Fry, John W., Struthers, Ohio. Balancing spring. 1,785,118; Dec. 16.
- Fry, Orlander W., assignor to O. R. Fuller Co., Los Angeles, Calif. Motor-vehicle running gear. 1,745,088; Jan. 28.
- Fry, Orlander W., assignor to O. R. Fuller Co., Los Angeles, Calif. Truck construction. 1,750,665; Mar. 18.
- Fry, Orlander W., Los Angeles, assignor to O. R. Fuller Co., Los Angeles, Calif. Truck-frame extension. 1,761,334; June 3.
- Fry, Walter L., Scarsdale, assignor, by mesne assignments, to Wil-Fry Corporation, New York, N. Y. Metal-bending machine. 1,773,812; Aug. 26.
- Fry, Walter L., Scarsdale, assignor, by mesne assignments, to Wil-Fry Corporation, New York, N. Y. Seat cover. 1,782,815; Nov. 25.
- Fry, William H., Kansas City, Mo. Attachment for porch swings. 1,783,502; Dec. 2.
- Fry, William N., et al. (See Frick, William C., assignor.)
- Fryckberg, Samuel, assignor to Simplicity Manufacturing Company, Port Washington, Wis. Emery-wheel dresser. 1,775,124; Sept. 9.
- Frykman, August, Bottineau, N. Dak. Tire chain. 1,764,785; June 17.
- Frykman, Paul L. (See Gann, G. K., Painter, Johnson, and Frykman.)
- Frykman, Victor L., assignor to Dictaphone Corporation, Bridgeport, Conn. Record-resurfacing machine. 1,785,409; Dec. 16.
- Fuchs, Alfred R., Chicago, Ill. Toy. 1,772,890; Aug. 12.
- Fuchs, František and A. Štěpán, Prague, Czechoslovakia. Draft excluder. 1,774,642; Sept. 2.
- Fuchs, Otto, assignor to Holzverkohlungs-Industrie Aktiengesellschaft, Constance, Baden, Germany. Producing activated carbon. 1,753,507; Apr. 8.
- Fuchsman, Jacob, Brooklyn, N. Y. Parquetry unit. Des. 80,366; Jan. 21.
- Fude, Gustav A., San Francisco, Calif. Tone amplifier. 1,774,706; Sept. 2.
- Fuehrer, George H. (See Smith, W. A., sr., Hulshizer, and Fuehrer.)
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera-lens carriage and track latch. 1,750,222; Mar. 11.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Flask. Des. 80,567; Feb. 25.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 82,083; Sept. 23.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 82,146; Sept. 30.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 82,217; Oct. 7.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 82,372; Oct. 28.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 82,881; Dec. 23.
- Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 82,933; Dec. 30.
- Fugler, Georges. (See Michelin, P., and Fugler.)
- Fugle, Charles H., C. H. Ostenberg, Albert W. Maglein, and J. H. Trudo, Duluth, Minn. Automatic means for controlling car loaders. 1,776,623; Sept. 23.
- Fugle, Charles H., C. H. Ostenberg, A. W. Maglein, J. M. Trudo, and A. Newton, Duluth, Minn. Cable-raising device. 1,785,811; Dec. 23.
- Fuhlborn, William. (See Payne, W. B., Bohrer, and Fuhlborn.)
- Fuhr, William, Chicago, Ill. Turning device for automobiles. 1,744,959; Jan. 28.
- Fuhrberg, Herman, and C. T. Johnson, Seattle, Wash. Cleaner. 1,750,838; Mar. 18.
- Fuhrer Bernard, New York, N. Y. Compound vane fan. 1,746,997; Feb. 11.
- Fuhrmann, Paul, Philadelphia, Pa. Attachment for vacuum cleaners. 1,764,439; June 17.
- Fuhrmann, Warren. (See Reid, W. H., and Fuhrmann.)
- Fujii, Isao, Komazawa-Machi, Ebara-Gun, Tokyo-Fu, Japan. Matrix for typographical machines. 1,784,789; Dec. 9.
- Fujii, Kitaro, Kyoto - Shi, Japan. Thermocouple. 1,771,887; July 29.
- Fujii, Momotaro, Tokyo, Japan. Therapeutical instrument. 1,752,338; Apr. 1.
- Fujii, Shigeo, H. Yamaki, and R. Ramos, Los Angeles, Calif. Traffic signal. 1,778,853; Oct. 21.
- Fujita, Masa, Sakia-gun, Fukui, Japan. Deformable chair. 1,780,468. Nov. 4.
- Fujita, Nobuchika. (See Takamine, Jokichi and J., jr., and Fujita.)
- Fulcher, Charles N., San Francisco, Calif., assignor to American Meter Company, Inc., New York, N. Y. Safety device for meters. 1,771,115; July 22.
- Fulco, Anthony, Los Angeles, Calif. Sealing table. 1,764,508; June 17.
- Fuld & Co., Telephon und Telegraphenwerke A. G. (See Schneider, J., and Heckmann, assignors.)
- Fuld, H. & Co., Telephon- und Telegraphenwerke Aktiengesellschaft. (See Schneider, J., and Heckmann, assignors.)
- Fulenwider, Harry. (See Fulenwider, Jesse and H.)
- Fulenwider, Jesse and H., Savannah, Ga. Metal-roofing shingle construction. 1,743,206; Jan. 14.
- Fulford Mfg. Co. (See Saccoccia, Nicolas, assignor.)
- Fulk, George L., assignor, by mesne assignments, to Bonnar-Vawter Fanform Company, Inc., Cleveland, Ohio. Folding machine. 1,759,191; May 20.
- Fulk, George L., assignor, by mesne assignments, to Bonnar-Vawter Fanform Company, Inc., Cleveland, Ohio. Printing press cylinder. 1,759,192; May 20.
- Fulk, George L., Cleveland Heights, assignor by mesne assignments to Bonnar-Vawter Fanform Company, Inc., Cleveland, Ohio. Machine for performing printing, perforating, and other operations on strip material. 1,765,414; June 24.
- Fulk, George L., assignor, by mesne assignments, to Bonnar-Vawter Fanform Company, Inc., Cleveland, Ohio. Printing press. 1,782,608; Nov. 25.
- Fulkerson, Ellen C., Carbondale, Pa. Dairy-product order indicator. 1,776,553; Sept. 23.
- Fuller, Alexander F., et al. (See Cummings, Charles D., assignor.)
- Fuller, Bert F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Theater switch panel. 1,760,943; June 3.
- Fuller Brush Company, The. (See Avis, Samuel W., assignor.)
- Fuller Brush Company, The. (See Cave, Henry, assignor.)
- Fuller Brush Company, The. (See Cave, H., and Rudolph, assignors.)
- Fuller Brush Company, The. (See Cave, H., and Smith, assignors.)
- Fuller Brush Company, The. (See Thatcher, John J., assignor.)
- Fuller Brush Company, The. (See Van Veen, Anton, assignor.)
- Fuller, Charles H., Los Angeles, assignor of one-fourth to C. P. Bollman, Glendale, Calif. Servo-motor. 1,756,910; Apr. 29.
- Fuller, Charles W. (See Groeneveld, G. C., and Fuller.)
- Fuller, Claud E., assignor to New York Brick Handling Corporation, New York, N. Y. Loading station and drier car. 1,759,005; May 20.
- Fuller, Clyde E., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weather shield for track scales. 1,759,899; May 27.
- Fuller Company. (See Lanhoffer, Ivan E. and E., assignors.)
- Fuller Company. (See Morrow, Joseph H., assignor.)
- Fuller, Emil E., assignor to Shambow Shuttle Company, Woonsocket, R. I. Shuttle. 1,776,896; Sept. 30.
- Fuller, Frank, and O. Brand, Borden, Saskatchewan, Canada. Grain door. 1,744,160; Jan. 21.
- Fuller, Frank W., St. Paul, Minn. Reversible radiator hanger. 1,752,296; Apr. 1.
- Fuller, Frederick L., Bridgeport, Conn., assignor, by mesne assignments, to Remington Arms Company, Inc., New York, N. Y. Key-operated cash register. 1,742,701; Jan. 7.
- Fuller, Frederick L., Bridgeport, Conn., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,718; June 3.
- Fuller, Frederick L., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,753,288; Apr. 8.
- Fuller, Frederick L., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,753,289; Apr. 8.
- Fuller, Frederick L., Ilion, N. Y., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,756,350; Apr. 29.
- Fuller, Frederick L., Ilion, N. Y., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,719; June 3.

- Fuller, Frederick L., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,763,697; June 17.
- Fuller, George L., and W. F. Breen, Santa Maria, Calif. Sucker-rod wiper and oil-saving device. 1,773,137; Aug. 19.
- Fuller, Glenn K. (See Barrett, K. E., and Fuller.)
- Fuller, The Estate of James W. (See Kinyon, Alonzo G., assignor.)
- Fuller, John S., assignor to The Sonner Burner Co., Winfield, Kans. Automatic control mechanism for fuel gases. 1,743,127; Jan. 14.
- Fuller, Joseph C., West Newton, and C. J. Wennberg, East Milton, Mass. Machine for molding tubular material and producing same. 1,770,396; July 15.
- Fuller Lehigh Company. (See Bailey, Ervin G., assignor.)
- Fuller Lehigh Company. (See Bailey, E. G., and Hardgrove, assignors.)
- Fuller Lehigh Company. (See Douglass, Alfred E., assignor.)
- Fuller Lehigh Company. (See Flynt, James W., assignor.)
- Fuller-Lehigh Company. (See Groman, Russell O., assignor.)
- Fuller Lehigh Company. (See Hardgrove, Ralph M., assignor.)
- Fuller Lehigh Company. (See Jacobus, David S., assignor.)
- Fuller Lehigh Company. (See Kerr, Howard J., assignor.)
- Fuller Lehigh Company. (See McAuliffe, Sydney J., assignor.)
- Fuller, Leo E., et al. (See Cummings, Charles D., assignor.)
- Fuller, Lewis J., Cleveland, Ohio. Jack. 1,763,144; June 10.
- Fuller, O. R., Co. (See Fry, Orlander W., assignor.)
- Fuller, Olive R. (See Hafner, Fred J., assignor.)
- Fuller, Perley, Lewiston, assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last-assembling machine. 1,754,269; Apr. 15.
- Fuller, Rodolphus, Detroit, Mich. Motor vehicle. 1,669,638; July 1.
- Fuller, Rodolphus, Detroit, Mich. Electric motor control. 1,745,532; Feb. 4.
- Fuller, Roger A., Philadelphia, Pa., assignor to General Electric Company. Automatic switching system. 1,756,903; Apr. 29.
- Fuller, Truman S., Schenectady, N. Y., assignor to General Electric Company. Electrical contact. 1,743,768; Jan. 14.
- Fuller, Truman S., and D. Basch, Schenectady, N. Y., assignors to General Electric Company. Aluminum alloy. 1,760,549; May 27.
- Fuller, Trumann S., Schenectady, N. Y., assignor to General Electric Company. Electrode. 1,778,668; Oct. 14.
- Fuller, Walter M., Chicago, Ill. Cloth and its manufacture. 1,769,055; July 1.
- Fuller, William W., Savannah, Ga. Vehicle steering mechanism. 1,747,768; Feb. 18.
- Fuller, William W., Savannah, Ga. Power means for steering automobiles. 1,775,163; Sept. 9.
- Fullerton, Ernest M., Stoughton, Mass. Last plate. 1,742,760; Jan. 7.
- Fullerton, Ernest M., Stoughton, Mass. Last thimble and making same. 1,742,761; Jan. 7.
- Fullerton, Ernest M., Stoughton, Mass. Last for attaching wood heels. 1,757,996; May 13.
- Fullerton, Henry J. (See Kleeb, O. F., and Fullerton.)
- Fullerton, John J., North Bergen, N. J., assignor to Fullerton Trucking Company, New York, N. Y. Apparatus for handling freight. 1,774,643; Sept. 2.
- Fullerton, John J., North Bergen, N. J., assignor to Fullerton Trucking Company, New York, N. Y. Freight-handling crate. 1,775,956; Sept. 16.
- Fullerton Trucking Company. (See Fullerton, John J., assignor.)
- Fullman, James M. G., Sewickley, and L. J. Rittelmann, Baden, Pa., assignors to National Metal Molding Company. Apparatus for the manufacture of electrical conductors. 1,747,769; Feb. 18.
- Fullman, James M. G., Sewickley, assignor to National Metal Molding Company, Pittsburgh, Pa. Connector for electrical conduits. 1,769,947; July 8.
- Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Fitting for electrical conduit systems. 1,782,779; Nov. 25.
- Fullmer, Giles C., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Flash light. 1,770,902; July 22.
- Full-O-Lite Company. (See Bander, Jacob B., assignor.)
- Fulton, Clifford W., Cleveland, Ohio. Metal roll. 1,743,446; Jan. 14.
- Fulton, Le Roy M., Desplaines, Ill. Reeling machine. 1,747,895; Feb. 18.
- Fulton, Nell, New York, N. Y. Comb cleaner. 1,745,669; Feb. 4.
- Fulton, Nell, New York, N. Y. Hair waver. 1,765,068; June 17.
- Fulton, Otho, Bromley, England. Transmission of pictures and the like. 1,759,303; May 20.
- Fulton, Robert R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Welding flux. 1,750,301; Mar. 11.
- Fulton, Robert R., Wilkinsburg, Pa., assignor to The Koppers Company. Obtaining thiocyanates of the alkaline-earth metals. 1,751,274; Mar. 18.
- Fulton, Robert R., Wilkinsburg, Pa., assignor to The Koppers Company. Treating cellulose to produce vulcanized fiber and the like. 1,767,662; June 24.
- Fulton, Robert R., Pittsburgh, Pa., assignor to The Koppers Company. Treating fabric. 1,767,663; June 24.
- Fulton, Rolland S., Detroit, Mich., assignor to Time Systems Company. Secondary clock movement. 1,754,508; Apr. 15.
- Fulton, Stephen M. (See Palmer, C. W., and Fulton.)
- Fulton Sylphon Company, The. (See Carson, William W., Jr., assignor.)
- Fulton Sylphon Company, The. (See Clark, Thomas R., assignor.)
- Fulton Sylphon Company, The. (See Giesler, Jean V., assignor.)
- Fulton Sylphon Company, The. (See Giesler, J. V., Carson, and Clark, assignors.)
- Fulton Sylphon Company, The. (See Kinnard, James A., assignor.)
- Fulton Sylphon Company, The. (See Lawhon, Charles D., assignor.)
- Fulton Sylphon Company, The. (See McCann, Thomas G., assignor.)
- Fulton Sylphon Company, The. (See Searle, William F., Jr., assignor.)
- Fultz, Miles E., Brooklyn, and H. R. Knettlies, Port Jefferson, assignors to Western Electric Company, Incorporated, New York, N. Y. Alarm circuits for space discharge systems. 1,742,906; Jan. 7.
- Fulwider, Perley E., Sparks, Nev. Releasing device for air brakes. 1,773,987; Aug. 26.
- Fulwiler, Arthur W., Highland Park, Mich., assignor to The Gwisdalla Floatless Carburetor Corporation. Carburetor. 1,785,026; Dec. 16.
- Funalmal, John S., Ashland, Ohio. Humidifying device for internal-combustion engines. 1,784,831; Dec. 16.
- Fundom, Earl H., assignor to Fundom Hoist & Shovel Company, Lima, Ohio. Excavating apparatus. 1,769,991; July 8.
- Fundom Hoist & Shovel Company. (See Fundom, Earl H., assignor.)
- Fung, Manter H., Hongkong, China. Surveying and route-recording mechanism. 1,746,420; Feb. 11.
- Funk, Albert H., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Lubrication of fluid-pressure motors. 1,767,061; June 24.
- Funk, Casimir, New York, N. Y. Isolation of certain physiologically-active substances. 1,745,788; Feb. 4.
- Funk, Charles J., Chicago, Ill. Combined cigarette-package frame and match holder. Des. 82,147; Sept. 30.
- Funk, Ernest R. (See Ryan, E., and Funk.)
- Funk, Forest J. (See McDermott, F. A., and Funk.)
- Funk, Frank M., Detroit, Mich. Soft-soap dispenser. 1,760,404; May 27.
- Funk, Hugo A., assignor of one-half to B. T. Story, Los Angeles, Calif. Fountain pen. 1,778,758; Oct. 21.
- Funk, John G., Cleveland, Ohio. Combination kitchen utensil. 1,781,837; Nov. 18.
- Funk, Nelson E., New York, assignor to F. D. Berry, New York County, N. Y. Making paper articles. 1,748,761; Feb. 25.
- Funk, Nevin E., Philadelphia, Pa. Oil-sludge accelerator. 1,770,735; July 15.
- Funk, Nevin E., Philadelphia, Pa. Oil water washer. 1,770,736; July 15.
- Funk, Robert V. (See Ennis, George H., assignor.)
- Funk, Truman B., assignor to Automotive Fan & Bearing Company, Jackson, Mich. Hub bearing. 1,743,712; Jan. 14.
- Funk, William G., Covington, Ky., assignor of one-fourth to S. G. Clark, Cincinnati, Ohio, and one-fourth to F. M. Andrews, Fort Thomas, Ky. Thread cutter. 1,754,092; Apr. 8.
- Funke, Frank J., La Crosse, Wis. Container. 1,782,120; Nov. 18.
- Funke, Friedrich. (See Wagner, G., Funke, and Heymanns.)
- Funke, Paul, Berlin-Schoeneberg, Germany. Piston-cooling device for internal-combustion engines. 1,756,735; Apr. 29.
- Fuqua, Edward B., Memphis, Tenn. Power head for pumps. 1,742,205; Jan. 7.
- Fuqua, Edward B., Memphis, Tenn. Air pump. 1,771,211; July 22.
- Fuqua, Thaxton, East Nashville, Tenn. Wheeled sounding toy. 1,773,667; Aug. 19.
- Furber, Frederick M., deceased, by S. R. Cutler, administrator, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for applying tape. 1,775,070; Sept. 2.
- Furbush, Frank L., Westford, assignor to C. G. Sargent's Sons Corporation, Graniterville, Mass. One-apron drier. 1,750,839; Mar. 18.
- Furbush, Frank L., Westford, assignor to C. G. Sargent's Sons Corporation, Graniterville, Mass. Continuous extractor. 1,755,214; Apr. 22.
- Furbush, Frank L., Westford, assignor to C. G. Sargent's Sons Corporation, Graniterville, Mass. Conveyer. 1,769,992; July 8.
- Furedy, Frank, Penn-Wynne, Pa. Pencil. Des. 82,821; Dec. 16.
- Furcy, Frederick M., Los Angeles, Calif. Container holder. 1,757,184; May 6.

- Furey, Frederick M., assignor to Union Tank & Pipe Co., Los Angeles, Calif. Universal street button. 1,764,073; June 17.
- Furey, John P. (See Sullivan, Daniel F., assignor.)
- Furlow, Cisro, Dyersburg, Tenn. Collapsible parachute attachment for aeroplanes. 1,778,488; Oct. 14.
- Furlong, Roland A., assignor to the Yawman & Erbe Manufacturing Company, Rochester, N. Y. Card index system. 1,780,227; Nov. 4.
- Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Holder for display strips. 1,787,308; Dec. 30.
- Furman, George, assignor to The Beardsley & Piper Company, Chicago, Ill. Molding machine. 1,779,230; Oct. 21.
- Furman, Maxwell S., Morgantown, W. Va. Toy vehicle frame. 1,748,566; Feb. 25.
- Furman, Maxwell S., Morgantown, W. Va. Steering-post mounting for toy vehicles. 1,748,567; Feb. 25.
- Furnari, Carmelo, T. Basile, and R. Sciotto, Altoona, Pa. Rail joint. 1,755,920; Apr. 22.
- Furnas, Don R., assignor to Aurora Steel Products Company, Aurora, Ill. Electrical switch apparatus. 1,768,245; June 24.
- Furness, William H., et al. (See Furness, W. H., and Hansell, assignors.)
- Furness, William H., National Park, N. J., and S. F. Hansell, Eddington, Pa., assignors to F. R. Hansell and W. H. Furness, trading as Automatic Brake Control Company of Philadelphia. Automobile braking mechanism. 1,743,128; Jan. 14.
- Furness, William H., National Park, N. J., assignor to Cellocilk Company Philadelphia, Pa. Method of and apparatus for laying up thread in cakes. 1,770,397; July 15.
- Furness, William H., National Park, N. J., assignor to Cellocilk Company, Philadelphia, Pa. Artificial silk and the manufacture thereof. 1,770,750; July 15.
- Furrer, Samuel S., Oxnard, Calif., assignor to Brenneis Manufacturing Company, Oxnard, Calif. Disk harrow. 1,781,171; Nov. 11.
- Fürth, Victor, assignor to Felten & Guillaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Stranding machine for the manufacture of wire ropes free from twist. 1,773,038; Aug. 12.
- Furzer, Horace N. (See Patrick, John W., assignor.)
- Fuse, Christian J., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Cigarette-machine feed. 1,765,830; June 24.
- Füsgen, Peter, and W. Kost, Dusseldorf, assignors to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Spring arrangement. 1,781,724; Nov. 18.
- Fusoid Electric Co. (See Grady, Stephen S., assignor.)
- Fuss, Herbert, Neubabelsberg, near Berlin, Germany. Calculating apparatus. 1,777,692; Oct. 7.
- Futrell, Ellen H., New York, N. Y. Manicure instrument. 1,780,072; Oct. 28.
- Fuwa, Kitsuzo, Tokyo, Japan, assignor to General Electric Company. Method and apparatus for making blown-glass articles. 1,770,335; July 8.
- Fyda, Walter K., Hamtramck, Mich. Manifold heat control. 1,770,689; July 15.
- Fykse, Mitchell L., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Creeping traction unit. 1,759,049; May 20.
- Fykse, Mitchell L., South Milwaukee, Wis. Rope-thrusting shovel with differential thrust. 1,780,351; Nov. 4.
- Fyrac Manufacturing Co. (See Aldeen, Gedor W., assignor.)
- Fyrac Manufacturing Co. (See Aldeen, G. W., and North, assignors.)
- Fyrberg, Nils J. A., Dexter, Me. Reflector for light projectors. 1,761,528; June 3.
- Fyr-Fyter Company, The. (See D'Olive, Charles R., assignor.)
- Fyr-Fyter Company, The. (See Iddings, Roscoe C., assignor.)
- G. C. A. Manufacturing Company, The. (See Grinnell, Harold D., assignor.)
- G. & G. Atlas Systems, Inc. (See Weigele, Edmund, assignor.)
- G & J Tire Company. (See Foutz, Charles L., assignor.)
- G & O Manufacturing Company, The. (See Curello, John J., assignor.)
- G & O Manufacturing Company, The. (See Garghulo, Frederick, assignor.)
- G & O Manufacturing Company, The. (See Oppe, Charles, assignor.)
- G & O Manufacturing Company, The. (See Rogers, Daniel I., assignor.)
- G and O Manufacturing Company, The. (See Scharff, Adrian C., assignor.)
- G. & W. Electric Specialty Co. (See Edmonds, George P., assignor.)
- G. & W. Electric Specialty Company. (See Rab, Joseph, assignor.)
- G & W Electric Specialty Co. (See Williams, Paul F., assignor.)
- Gaarz, Wilhelm. (See Schleicher, M., Albrecht, Gaarz, and Keinath.)
- Gabard, Thomas A. (See Busby, Junius E., assignor.)
- Gabbe, Herman, Brooklyn, N. Y. Combined drying, drumming, cleaning, caking, and finishing fur machine. 1,763,462; June 10.
- Gabel, Herman W., Fond du Lac, Wis. Valve reseater and pilot stem. 1,744,878; Jan. 28.
- Gabel, Louise, Columbus, Nebr. Folder. 1,771,328; July 22.
- Gabeler, William H. (See Miller, E. B., and Gabeler.)
- Gabler, Johann, Ettlingen, Germany. Weft-thread-control device for shuttleless looms employing weft-thread inserters. 1,746,465; Feb. 11.
- Gabor, Joseph, New York, N. Y. Attachable radiating element. 1,785,621; Dec. 16.
- Gabriel, Alphonse, Oakland, Calif. Coin-controlled lock. 1,751,144; Mar. 18.
- Gabriel Company, The. (See Benjamin, David, assignor.)
- Gabriel Steel Company. (See Zabriskie, William F., assignor.)
- Gadbois, Joseph E., Springfield, Mass. Cloth spreading and piling machine. 1,749,214; Mar. 4.
- Gadbois, Leon C. (See Nelson, J., and Gadbois.)
- Gaddis, Hugh L., assignor to Globe Machine & Stamping Company, Cleveland, Ohio. Insert for concrete. 1,768,246; June 24.
- Gaddis, Preston G., Oklahoma City, Okla. Distributor spike. 1,755,251; Apr. 22.
- Gaddy, James A. (See Taft, E. P., Videtto, and Gaddy.)
- Gaede, Frank L., Plymouth, Ind. Water-power generator. 1,751,513; Mar. 25.
- Gaede, Samuel A., Los Angeles, Calif. Sash-mounted automobile signal. 1,764,256; June 17.
- Gaede, Samuel A., Los Angeles, Calif. Clip for holding glass-tube holders. 1,766,377; June 24.
- Gaess, Albert H., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Punch transfer slide for multiple-stroke headers. 1,757,303; May 6.
- Gaffney, James A., New York, N. Y. Blade holder and handle. 1,753,459; Apr. 8.
- Gaffney, John B. (See Hanson, I. E., and Gaffney.)
- Gage, Charles S., Tarrytown, and C. T. Maeding, Elmhurst, assignors to Lenthier, Incorporated, New York, N. Y. Atomizer. Des. 82,882; Dec. 23.
- Gage, Edward G., Brooklyn, assignor to Radio Patents Corporation, New York, N. Y. Preventing commutator noises in radio. 1,754,622; Apr. 15.
- Gage, Edward G., assignor to Radio Corporation of America, New York, N. Y. Separating undesired from desired electric currents. 1,758,940; May 20.
- Gage, Edward G., Brooklyn, assignor to Radio Patents Corporation, New York, N. Y. High-current filter. 1,772,541; Aug. 12.
- Gage, Robert B., Trenton, N. J. Curing concrete. Re17,737; July 15.
- Gagné, Gideon R., assignor to Blue Point Tool Company, Milwaukee, Wis. Spanner wrench. 1,752,074; Mar. 25.
- Gagnier Fibre Products Company. (See Hayes, William F., assignor.)
- Gagnon, Bernard E. (See Gagnon, William J. and B. E., and Kosha.)
- Gagnon, Leo O., Newark, N. J., assignor, by mesne assignments, to Continental Optical Manufacturing Company, Indianapolis, Ind. Making ophthalmic mountings. 1,755,292; Apr. 22.
- Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Ring attachment for chains. 1,760,825; May 27.
- Gagnon, William J. and B. E., and A. J. Kosha, assignors to The Bead Chain Manufacturing Company, Bridgeport, Conn. Safety-chain process and machine. 1,773,668; Aug. 19.
- Gahagan, Orren M., Wewoka, Okla. Cathead. 1,762,715; June 10.
- Gahlert, Franz J., and M. Bretschneider, Barenstein, Germany. Automatic single-needle embroidering machine. 1,742,953; Jan. 7.
- Gahn, Lawrence, assignor of fifty per cent to J. V. Lee, St. Louis, Mo. Candy-making machinery. 1,775,277; Sept. 9.
- Gail, Charles H., assignor to Los Angeles Spring Bed Company, Los Angeles, Calif. Bedspring. 1,771,573; July 29.
- Gail, George W. (See Kusel, A. J., and Gail.)
- Gail, George W., Ruxton, Md., assignor to Kulair Corporation, Philadelphia, Pa. Evaporator element. 1,751,317; Mar. 18.
- Gail, George W., Ruxton, Md., assignor to Kulair Corporation, Norristown, Pa. Thermostat. 1,751,319; Mar. 18.
- Gail, George W., Ruxton, Md., and A. J. Kusel, Bridgeport, Conn., assignors to Kulair Corporation, Baltimore, Md. Evaporator element. 1,757,041; May 6.
- Gall, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Method of and machine for assembling springs. 1,759,050; May 20.
- Galley, Florence L., and J. K. Eagle Rock, Calif. Merchandising booth. Des. 81,131; May 13.
- Galley, John K. (See Galley, Florence L. and J. K.)
- Gaines, Florence E. (See Tantillo, James, assignor.)
- Gair, Robert, Company. (See Tinsley, Edward O., assignor.)
- Gaire, Paul E., New York, N. Y. Hair-drying machine. 1,743,963; Jan. 14.
- Gaire, Paul E., New York, N. Y. Hair-treating implement. 1,747,110; Feb. 11.
- Gaire, Paul E., New York, N. Y. Hair-treating machine. 1,783,610; Dec. 2.

- Gaisman, Henry J., assignor to Auto-Strop Safety Razor Co., Inc., New York, N. Y. Safety razor. Re17,567; Jan. 14.
- Gaisman, Henry J., New York, N. Y., assignor to Auto-strop Patents Corporation, Dover, Del. Safety razor. 1,747,151; Feb. 11.
- Gaisman, Henry J., New York, N. Y., assignor to Auto-strop Patents Corporation, Dover, Del. Safety razor. 1,747,152; Feb. 11.
- Gaisman, Henry J., New York, N. Y., assignor to Autostrop Patents Corporation, Dover, Del. Safety razor. 1,770,169; July 8.
- Gaisman, Henry J., New York, N. Y., assignor to Autostrop Patents Corporation, Dover, Del. Safety razor. 1,770,170; July 8.
- Gaisman, Henry J., New York, N. Y., assignor to Autostrop Patents Corporation, Dover, Del. Safety razor. 1,770,171; July 8.
- Gaisman, Henry J., New York, N. Y., assignor to Auto-strop Patents Corporation, Dover, Del. Safety razor. 1,770,172; July 8.
- Gaisman, Henry J., New York, N. Y., assignor to Autostrop Patents Corporation, Dover, Del. Safety razor. 1,774,828; Sept. 2.
- Gaisman, Henry J., New York, N. Y., assignor to Auto-strop Patents Corporation, Dover, Del. Safety razor. 1,774,829; Sept. 2.
- Gaisman, Henry J., New York, N. Y., assignor to Autostrop Patents Corporation, Dover, Del. Stropping blades. 1,778,009; Oct. 14.
- Gaisman, Henry J., New York, N. Y., assignor to Autostrop Safety Razor Company, Inc., New York, N. Y. Safety razor. 1,785,077; Dec. 16.
- Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,787,240; Dec. 30.
- Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,787,241; Dec. 30.
- Gaisman, Lucien, Audenshaw, near Manchester, England. Knee grip for motor bicycles. 1,753,826; Apr. 8.
- Gaisman, Lucien, Audenshaw, near Manchester, England. Construction of roadways and the like. 1,775,278; Sept. 9.
- Gakle, William, Chicago, Ill. Replacer or reroller. 1,742,467; Jan. 7.
- Galamb, Joseph, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Bumper. 1,763,847; June 17.
- Galamb, Joseph, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Door latch. 1,781,505; Nov. 11.
- Galan, George, Pittsburgh, Pa. Pulverizing mill. 1,762,056; June 3.
- Galassi, Pasquale, New York, N. Y. Dividing strip for terrazzo floorings. Re17,815; Sept. 23.
- Galassi, Pasquale, New York, N. Y. Producing antislip terrazzo floorings. 1,742,855; Jan. 7.
- Galassi, Pasquale, New York, N. Y. Flooring strip. 1,743,814; Jan. 14.
- Galassi, Pasquale, New York, N. Y. Dividing strip for floors. 1,744,539; Jan. 21.
- Galassi, Pasquale, New York, N. Y. Strip for floors of the terrazzo type. 1,745,989; Feb. 4.
- Galassi, Pasquale, New York, N. Y. Terrazzo-flooring dividing strip. 1,756,856; Apr. 29.
- Galassi, Pasquale, New York, N. Y. Expansion strip for terrazzo floors. 1,776,658; Sept. 23.
- Galasso, Humbert A., assignor to W. H. Edwards, Brooklyn, N. Y. Dental-impression bite. 1,778,283; Oct. 14.
- Galati, Emil, Chicago, Ill. Pieced-cloth formation. 1,749,025; Mar. 4.
- Galbraith, Joseph B., Kaysville, Utah. Centering and aligning device. 1,757,457; May 6.
- Galbraith, Joseph B., Kaysville, Utah. Cutter. 1,763,299; June 10.
- Galbraith, Warren L., Deer Park, assignor of one-fourth to O. M. Fahey, one-fourth to A. M. Baump, and one-fourth to A. H. Taylor, Spokane, Wash. Tire-deflation signal. 1,773,394; Aug. 19.
- Galbreath, William W. (See Clark, C. L., and Galbreath.)
- Gale, Giles T., Fort Worth, Tex. Automatic cotton packer. 1,748,940; Jan. 14.
- Gale, Harry L., assignor to The E. T. Burrowes Company, Portland, Me. Folding table. 1,774,364; Aug. 26.
- Gale, Knight W., Los Angeles, Calif. Liquid separator. 1,776,554; Sept. 23.
- Gale, Laburton A., Belmont, Mass., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Card-throwing machine. 1,767,207; June 24.
- Gale, Mae E., Owosso, Mich. Garment. 1,758,740; May 13.
- Gale, Thomas G., and S. B. Trick, Oshawa, Ontario, Canada. Block-grooving machine. 1,779,731; Oct. 28.
- Galer, Robert E., assignor to Minute Electric Broiler, Seattle, Wash. Steak broiler. 1,746,698; Feb. 11.
- Galey, Albert, Seelyville, Ind. Switch throw or keeper. 1,749,478; Mar. 4.
- Gallon Iron Works & Mfg. Co., The. (See Macy, Ishmael W., assignor.)
- Galion Metallic Vault Company, The. (See Smith, Ralph E., assignor.)
- Galizi, Adriano. (See Galizi, Eugenio and A.)
- Galizi, Eugenio and A., New York, N. Y. Bass strap for accordions and the like. 1,759,611; May 20.
- Galizi, Eugenio and A., New York, N. Y. Pitch slider mechanism. 1,769,339; July 1.
- Galizia, Vito, Plainfield, N. J. Automatic railroad-crossing gate. 1,759,742; May 20.
- Gall, Aloise, Orange, N. J., assignor to Cyrus Clark Co., Incorporated, New York, N. Y. Textile fabric or similar sheet material. Des. 82,148; Sept. 30.
- Gallagher, Arthur D., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company, Cultivator. 1,749,974; Mar. 11.
- Gallagher, Charles B., Asbury Park, N. J., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Plated knitted fabric. 1,744,219; Jan. 21.
- Gallagher, Edward, Brooklyn, N. Y. Supplementary outsole for boots and shoes. 1,744,003; Jan. 14.
- Gallagher, Edward J., jr., Baltimore, Md. Windshield wiper. 1,755,059; Apr. 15.
- Gallagher, Frank H., assignor to N. G. Canellis, Chicago, Ill. Oscillating fan. 1,778,895; Oct. 21.
- Gallagher, George F., assignor to Krem-Ko Company, Chicago, Ill. Bottle or similar article. Des. 80,868; Apr. 1.
- Gallagher, James F., et al. (See Ekstromer, Edward C., assignor.)
- Gallagher, Seneth H. (See Minton, D. E., and Gallagher.)
- Gallahan, Edward B., Norwalk, Conn. Roll-dispensing device. 1,744,758; Jan. 28.
- Gallasch, George B. (See Patterson, W. L., and Gallasch.)
- Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical measuring instrument. 1,756,785; Apr. 29.
- Gallasch, George B., assignor to Bausch and Lomb Optical Company, Rochester, N. Y. Optical measuring instrument. 1,761,260; June 3.
- Galli, Louis C., Ferndale, Md. Tire alarm. 1,768,048; June 24.
- Gallian, Charles L. (See Murphy, S. E., and Gallian.)
- Gallien, Eugene. (See Ternon, T., and Gallien.)
- Galligan, John T., assignor to The Ives Corporation, Bridgeport, Conn. Toy locomotive wheel. 1,754,995; Apr. 15.
- Gallimore, Keith F. (See Kempton, H. E., and Gallimore.)
- Gallimore, Keith F. (See Kempton, H. E., Gallimore, and Woytych.)
- Gallina, Felice, West New York, and S. Gallina, Hoboken, N. J. Fastener. 1,756,736; Apr. 29.
- Gallina, Sigismondo. (See Gallina, Felice and S.)
- Gallinant, Raphael C., Ridgefield Park, N. J. Vehicle signal switch. 1,760,488; May 27.
- Gallipoli, Frank P., Englewood, N. J. Device for producing and dispensing lather. 1,771,292; July 22.
- Gallison, Ernest A., Watertown, assignor, by mesne assignments, to Bay State Fishing Company, Boston, Mass. Fish-cutting machine. 1,754,157; Apr. 8.
- Gallison, Ernest A., Watertown, assignor, by mesne assignments, to Bay State Fishing Company, Boston, Mass. Fish-filleting machine. 1,757,013; May 6.
- Gallop, Charles C., Newcastle-upon-Tyne, and G. H. Gardner, Leeds, assignors to A. Reyrolle & Company Limited, Hebbun-on-Tyne, England. Electric protective system. 1,770,398; July 15.
- Galloway, Charles W., Baltimore, Md. Motor wrench. 1,744,540; Jan. 21.
- Galloway, Clarence T. (See Bullock, E. W., Schauseil, Draeseke, Galloway, and Hill.)
- Galloway Engineering Company. (See Greening, Herald B., assignor.)
- Galloway Engineering Company. (See Greening, H. B., and Galloway, assignors.)
- Galloway, George W., Santa Ana, Calif. Expanding piston. 1,750,928; Mar. 18.
- Galloway, James W. (See Greening, H. B., and Galloway.)
- Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Hydraulic automatic multiple tapping machine. 1,747,111; Feb. 11.
- Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Oil housing for drill heads. 1,762,092; June 3.
- Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Fluid-actuated drill unit. 1,764,098; June 17.
- Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Control-valve mechanism. 1,764,099; June 17.
- Galloway, Robert M., and C. H. Muhl, assignors to The National Automatic Tool Company, Richmond, Ind. Feed control for hydraulically-operated machines. 1,766,118; June 24.
- Galloway, Robert M., and R. A. Schafer, assignors to The National Automatic Tool Company, Richmond, Ind. Hydraulic control valve unit. 1,780,471; Nov. 4.
- Gallowitz, Gustave A., assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Ophthalmic table. 1,756,024; Apr. 29.
- Gallup, David L. (See Bendix, V., and Gallup.)
- Galotta, Victor, et al. (See Corbi, Joseph L., assignor.)
- Galterio, Ada. (See Galterio, E. (assignor), Mariotti, and Ruggiero.)
- Galterio Appliance Company, The. (See Galterio, Elia, assignor.)
- Galterio, Elia, Denver, Colo., assignor to The Galterio Appliance Company. Shoe-stretching last. 1,746,466; Feb. 11.
- Galterio, Elia, D. C. Mariotti, and A. L. Ruggiero; said E. Galterio assignor to A. Galterio, Denver, Colo. Shoe-stretching last. 1,753,857; Apr. 8.
- Galvan, Michael E., San Francisco, Calif. Wire-tying machine. 1,744,113; Jan. 2.

- Galvin, Charles E., Springfield, Ohio. Roll padding for ironing machines and the like. 1,773,455; Aug. 19.
- Galvin, Charles E., assignor to The Ridgely Trimmer Company, Springfield, Ohio. Tool for trimming paper. 1,770,690; July 15.
- Galvin Manufacturing Corporation. (See Lear, William P., assignor.)
- Galvin, William L., Chicago, Ill. Two-cycle internal-combustion engine. 1,745,894; Feb. 4.
- Gamache, Joseph, Los Angeles, Calif., assignor to Imperial Oscillating Valve Company, Las Vegas, Nev. Oscillating valve. 1,781,901; Nov. 18.
- Gambacini, Gioacchino, Kent, Ohio. Car truck. 1,759,743; May 20.
- Gambito, Nemesio, and D. Sumabat, Pasadena, assignors to W. F. Lemon and J. S. Tolentino, Los Angeles, Calif. Kite. 1,762,551; June 10.
- Gamble, Elizabeth C., et al., executors. (See Gamble, William J.)
- Gamble, Frederick V., et al., executors. (See Gamble, William J.)
- Gamble, Stanley B., Oakland, Calif. Bed-rail lock. 1,753,407; Apr. 8.
- Gamble, William J., East Orange, assignor to Carrier Construction Company, Inc., Newark, N. J. Heat-exchange device. 1,742,348; Jan. 7.
- Gamble, William J., deceased, Buffalo, N. Y.; E. C. Gamble, W. J. Gamble, Jr., and F. V. Gamble, executors. Reinforcing welded joints. 1,774,365; Aug. 26.
- Gamble, William J., Allentown, Pa., A. E. Stacey, Jr., Caldwell, and W. B. Thornton, assignors to Carrier Engineering Corporation, Newark, N. J. Heater. 1,756,737; Apr. 29.
- Gamble, William J., jr., et al., executors. (See Gamble, William J.)
- Gambles, William. (See Eaton, William T., assignor.)
- Gamel Bead Decorating Company. (See Gamel, Lee B., assignor.)
- Gamel, Lee B., St. Louis, Mo., assignor to Gamel Bead Decorating Company, Peoria, Ill. Method of and machine for removing wire cores from the beads of rubber tires. 1,746,998; Feb. 11.
- Gamewell Company, The. (See Cosgrave, Austin B., assignor.)
- Gamewell Company, The. (See Cross, A. H. and Beach, assignors.)
- Gamewell Company, The. (See Philbrick, Frederick B., assignor.)
- Gammell, Ove L., and R. W. Woodward, assignors to Smith & Rosby, Attleboro, Mass. Expansive member for inseparable bracelets. 1,764,440; June 17.
- Gammell, Ove L., assignor to Smith & Crosby, Attleboro, Mass. Bracelet construction. 1,786,943; Dec. 30.
- Gammeter, Harry C., Cleveland Heights, Ohio. Sign. 1,757,662; May 6.
- Gammeter, Harry C., Cleveland Heights, Ohio. Sign construction. 1,781,277; Nov. 11.
- Gammeter, John R. (See Leguillon, C. W., and Gammeter.)
- Gammeter, John R. (See MacDonald, Frank J., assignor.)
- Gammeter, John R. (See Perks, George W., assignor.)
- Gammeter, John R., Akron, Ohio. Multiple heating or vulcanizing press. 1,750,263; Mar. 11.
- Gammeter, John R., Akron, Ohio, assignor to A. G. Spalding & Bros., New York, N. Y. Packaged playing ball. 1,751,275; Mar. 18.
- Gammeter, John R., Akron, Ohio, assignor to A. G. Spalding and Bros. Making balls. 1,752,735; Apr. 1.
- Gammeter, John R., Akron, Ohio. Band-folding apparatus. 1,759,232; May 20.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube-molding apparatus. 1,773,138; Aug. 19.
- Gammeter, William F., assignor to W. K. Gammeter, Cadiz, Ohio. Hot-air-register shield. Des. 81,576; July 15.
- Gammeter, William K. (See Gammeter, William F., assignor.)
- Gammeter, William K., Cadiz, Ohio. Cover for registers and radiators. 1,785,253; Dec. 16.
- Gamon, Ernest E., Prince Bay, N. Y. Water meter. 1,783,707; Dec. 2.
- Gandillon, Henri, Paris, France. Sewerage system. 1,772,214; Aug. 5.
- Gandriaud, Lucien, Nancy, France. Weighing apparatus. 1,781,575; Nov. 11.
- Gang, Harry W., Huntington, W. Va. Automatic feed-water regulator. 1,767,920; June 24.
- Gangle, Albert J., Baden, Pa., assignor, by mesne assignments, to National Electric Products Corporation. Connector for electrical conduits. 1,770,883; July 15.
- Gangler, Paul, Esslingen, assignor to the firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Machine for wrapping loaves of bread. 1,743,666; Jan. 14.
- Gangler, Paul, Esslingen, assignor to the firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Measuring device for filling machines. 1,776,897; Sept. 30.
- Gann, George K., L. O. Painter, and H. L. Johnson, St. Paul, and P. L. Frykman, Minneapolis, assignors to G. W. Robinson, trustee, St. Paul, Minn. Telephone radio-transmission. 1,746,646; Feb. 11.
- Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Light metal alloy. 1,743,849; Jan. 14.
- Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Purifying light-metal alloys. 1,754,788; Apr. 15.
- Gannaway, Charles L., North Chattanooga, Tenn. Nozzle for grease guns. 1,744,305; Jan. 21.
- Gannon, Alfred E., J. F. MacNeil, and W. J. MacLellan, Long Beach, Calif. Box hook. 1,753,566; Apr. 8.
- Gannon, Larry D., Joliet, Mont. Warning fuse. 1,755,642; Apr. 22.
- Gans, Bernard W., Piedmont, S. Dak. Finger-nipple calf feeder. 1,760,053; May 27.
- Gans, Robert S., Detroit, Mich. Brake-control mechanism. 1,754,354; Apr. 15.
- Gans, Robert S., Detroit, Mich. Mechanism for controlling brakes or the like. 1,758,694; May 13.
- Gans, Robert S., Detroit, Mich. Lockable lever-control mechanism. 1,758,695; May 13.
- Gant, Charlie, Akron, Ala. Demonstration device. 1,755,952; Apr. 22.
- Gant, Harris P. (See Lewis, A. T., Gant, and Tallaferrero.)
- Gant, Lucius L., Shreveport, La. Shoe. 1,754,996; Apr. 15.
- Gantner, Ferdinand. (See Erber, B., and Gantner.)
- Gantt, Clifton V., Wagener, S. C. Bushing. 1,754,997; Apr. 15.
- Ganz, Albert G., Union City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductance device. 1,762,775; June 10.
- Ganz, Albert J., Los Angeles, Calif. Ready-opening and self-sealing carton. 1,756,150; Apr. 29.
- Ganz, Gustav, & Co. (See Erber, B., and Gantner, assignors.)
- Ganz, Leo, Chicago, Ill. Water heater. 1,785,304; Dec. 16.
- Ganzert, Albert E., assignor to The Pyle-National Company, Chicago, Ill. Connector for electric train lights and the like. 1,785,734; Dec. 23.
- Ganzinotti, Paul, Union City, N. J. Pearl cloth. 1,743,447; Jan. 14.
- Ganzinotti, Paul B., Union City, N. J. Paper product. 1,755,818; Apr. 22.
- Gaouette, Abraham J., and E. J. Cote, Woonsocket, R. I., assignors, by direct and mesne assignments, to the United Mill Supply, Inc. Catch-cord eliminator. 1,744,541; Jan. 21.
- Gapp, John, Scranton, Pa. Track-sanding apparatus. 1,755,643; Apr. 22.
- Garabedian, Harry, assignor, by mesne assignments, to Tripen Manufacturing Co., Inc., Providence, R. I. Fountain pen. 1,776,384; Sept. 23.
- Garaballo, Francesco G., Turin, Italy. Internal-combustion engine. 1,771,780; July 29.
- Garand, John C., Springfield, Mass., assignor to The Lyman Gun Sight Corporation, Middlefield, Conn. High-speed firing mechanism. 1,780,521; Nov. 4.
- Garankin, Theodore P., New York, N. Y. Umbrella attachment. 1,751,514; Mar. 25.
- Garbarino, Americo F., Medford, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating system. 1,753,460; Apr. 8.
- Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Demountable hinge and fastener for covers or lids. 1,744,960; Jan. 28.
- Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Type-bar-actuating mechanism. 1,777,465; Oct. 7.
- Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Type-bar-actuating mechanism. 1,777,466; Oct. 7.
- Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Mechanism for actuating pivoted type bars. 1,777,994; Oct. 7.
- Garbs, Raymond, Kankakee, Ill. Carpenter's rule. 1,767,789; June 24.
- Garbs, Raymond, Kankakee, Ill. Bracket for trouble lamps. 1,772,439; Aug. 5.
- Garbut, Albert E., Winnipeg; D. Cochrane, St. Boniface; and J. E. Watkins, Winnipeg, Manitoba, assignors to Winnipeg Brass Limited, Winnipeg, Canada. Street indicator for street cars. 1,757,458; May 6.
- Garbut, Albert E., Winnipeg, Cochrane, St. Boniface, and J. E. Watkins, Winnipeg, Manitoba, assignors to Winnipeg Brass Limited, Winnipeg, Canada. Annunciator. 1,770,513; July 15.
- Garbut, Albert E., Winnipeg, D. Cochrane, St. Boniface, and J. E. Watkins, Winnipeg, Manitoba, assignors to Winnipeg Brass Limited, Winnipeg, Canada. Annunciator-receiving casing. 1,775,194; Sept. 9.
- Garbutt, Frank E., Los Angeles, Calif. Photographic printing. 1,756,426; Apr. 29.
- Garbutt, Frank E., and L. M. Griffith, Los Angeles, Calif., assignors to Paramount Famous Lasky Corporation, New York, N. Y. Strip-feeding mechanism for moving-picture films. 1,764,203; June 17.
- Garbutt, Frank E., and L. M. Griffith, Los Angeles, Calif., assignors to Paramount Publix Corporation, New York, N. Y. Tripod. 1,776,555; Sept. 23.
- Garcia, Gaspar, Habana, Cuba. Hinged rack. 1,783,708; Dec. 2.
- Garcia, Manuel C. (See Valdata, C. P., and Garcia.)
- Gard, Earle W., B. G. Aldridge, H. J. Multer, and R. T. Howes, Los Angeles County, Calif. Refining hydrocarbon oils. 1,759,744; May 20.

- Garde, John, Toronto, Ontario, Canada. Sewing-machine feed. 1,784,724; Dec. 9.
- Garden City Plating and Manufacturing Company. (See Kurtzon, Morris, assignor.)
- Gardiner, Henry C., Anaconda, Mont. Granulated product and making same. 1,755,985; Apr. 22.
- Gardiner, Paul C., Oakland, Calif., assignor to General Electric Company. Amplifier. 1,752,839; Apr. 1.
- Gardiner, Paul C., Schenectady, N. Y., assignor to General Electric Company. Regulation of the color of cooked products. 1,774,433; Aug. 26.
- Gardiner, William C., assignor to F. Reddaway and Company, Limited, Manchester, England. Woven driving belting. 1,756,151; Apr. 29.
- Gardner, Charles B., Jr., Long Beach, Calif. Musical instrument and playing means therefor. 1,777,721; Oct. 7.
- Gardner, Charles W., New York, N. Y. Furniture leg. 1,762,776; June 10.
- Gardner, Cummings, Inglewood, Calif., assignor to Automatic Transmission Corporation of America, Wilmington, Del. Variable-speed-transmission mechanism. 1,758,252; May 13.
- Gardner, Cummings, Inglewood, Calif., assignor to Automatic Transmission Corporation of America, Wilmington, Del. Power-transmission mechanism. 1,776,469; Sept. 23.
- Gardner, Daniel, Rueil, France. Manufacture of high-purity carbon. 1,780,154; Nov. 4.
- Gardner, Daniel, Weybridge, and L. Taverner, London, England; said Taverner assignor to said Gardner. Extraction of iron and titanium compounds from titanium ores. 1,743,885; Jan. 14.
- Gardner, David S. (See Gardner, Joseph A. and D. S.)
- Gardner, Delamere B., Los Angeles, Calif. Reflecting and scanning apparatus. 1,753,697; Apr. 8.
- Gardner-Denver Company. (See Carpenter, Ivan S., assignor.)
- Gardner-Denver Company, The. (See Clark, Omar E., assignor.)
- Gardner-Denver Company. (See Croft, Lorenzo E., assignor.)
- Gardner-Denver Company. (See Gardner, John W., assignor.)
- Gardner-Denver Company, The. (See Griffith, Richard, assignor.)
- Gardner-Denver Company, The. (See Gustafson, Hjalmer C., assignor.)
- Gardner-Denver Company, The. (See Katterjohn, August H., assignor.)
- Gardner-Denver Company. (See Mueller, William G., assignor.)
- Gardner-Denver Company, The. (See Naismith, William G., assignor.)
- Gardner-Denver Company, The. (See Nelson, Paul A., assignor.)
- Gardner-Denver Company. (See Pearson, Gustav C., assignor.)
- Gardner-Denver Company. (See Rover, Walter H., assignor.)
- Gardner-Denver Company, The. (See Terry, Edward F., assignor.)
- Gardner, Donald H. (See Hester, H. P., and Gardner.)
- Gardner, Edward B., Beloit, Wis. Apparatus for testing surfaces. 1,766,991; June 24.
- Gardner, Ernest H., Chorlton-cum-Hardy, England. Self-addressed form. 1,742,856; Jan. 7.
- Gardner, Frederic E., Beloit, Wis. Grinding machine. 1,784,231; Dec. 9.
- Gardner, Geoffrey H. (See Gallop, C. C., and Gardner.)
- Gardner, George, Redlands, Calif. Loading attachment for road graders. 1,784,666; Dec. 9.
- Gardner, George D., San Jose, assignor to L. V. Johnson, San Francisco, Calif. Apparatus for treating the contents of filled cans. 1,742,244; Jan. 7.
- Gardner, George H., assignor to The Menasha Products Company, Chicago, Ill. Paper container. 1,782,961; Nov. 25.
- Gardner, Grandison, Honolulu, Hawaii, and C. L. Paulus, Dayton, Ohio. Bomb sight. 1,745,895; Feb. 4.
- Gardner, Harry A., assignor to Tripen Manufacturing Co., Inc., Providence, R. I. Mechanical pencil. Des. 81,577; July 15.
- Gardner, Harry F., Buffalo, N. Y., assignor, by mesne assignments, to Certain-teed Products Corporation. Adhesive. 1,751,988; Mar. 25.
- Gardner, Henry A., Washington, D. C. Laminated glass. 1,762,513; June 10.
- Gardner, Henry A., Washington, D. C. Making acetyl cellulose. 1,764,204; June 17.
- Gardner, Henry A., Washington, D. C. Translucent artificial silk. 1,768,401; June 24.
- Gardner, Henry A., Washington, D. C. Insulated carrier. 1,786,340; Dec. 23.
- Gardner, Henry A., and C. A. Knauss, assignors to Henry A. Gardner Laboratory, Inc., Washington, D. C. Acetylation of nitrocellulose. 1,786,989; Dec. 30.
- Gardner, Henry A., Laboratory, Inc. (See Gardner, H. A., and Knauss, assignors.)
- Gardner, Henry M. (See Gardner, Hugh H., and H. M.)
- Gardner, Hugh H., and H. M. Gardner, Dallas, Tex. Stalk cutter. 1,775,520; Sept. 9.
- Gardner, John E. (See White, T. U., and Gardner.)
- Gardner, John E., Chicago, Ill. Automatic telephone system. 1,761,115; June 3.
- Gardner, John E., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,744,220; Jan. 21.
- Gardner, John W., Quincy, Ill., assignor, by mesne assignments, to Gardner-Denver Company. Pump. 1,766,499; June 24.
- Gardner, Joseph A., and D. S. Gardner, Memphis, Tenn. Centrifugal casting machine. Re17,783; Aug. 26.
- Gardner Lumber Company. (See Moses, Charles F., assignor.)
- Gardner, Prince A., Jr., University City, Mo. Bill fold or receptacle. 1,772,891; Aug. 12.
- Gardner, Rolland, Lakewood, Ohio. Nonsegregating chute. 1,768,247; June 24.
- Gardner, Stonewall J., New Albany, Ind. Clamp machine. 1,782,846; Nov. 25.
- Garey, Charles Q., Windsor, Vt., assignor to The National Acme Company, Cleveland, Ohio. Chuck-operating mechanism for automatic spindle screw machines. 1,783,565; Dec. 2.
- Garey, Charles Q., Windsor, Vt., assignor to The National Acme Company, Cleveland, Ohio. Spindle-stopping mechanism for metal-working machines. 1,783,566; Dec. 2.
- Garey, Edward M., Brooklyn, N. Y. Illuminating device. 1,786,744; Dec. 30.
- Garey, John P., Elmira Heights, N. Y. Combination garment. 1,777,664; Oct. 7.
- Garey, John P., Elmira Heights, and L. B. Hasbrouck, assignors to Eclipse Textile Devices, Inc., Elmira, N. Y. Centrifugal extractor. 1,759,570; May 20.
- Garfield, Ellery L., Paris, France. Vehicle body. 1,781,380; Nov. 11.
- Gargan, John O., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tuning dial. 1,747,233; Feb. 18.
- Gargiulo, Frederick, Naples, Italy, assignor to The G & O Manufacturing Company, New Haven, Conn. Radiator for internal-combustion engines. Re17,579; Feb. 4.
- Gargolinski, Anthony D., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Clutch. 1,786,708; Dec. 30.
- Gargolinski, Anthony D., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picker-stick retriever for looms. 1,786,709; Dec. 30.
- Gargolinski, Anthony D., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness-sheave stand for looms. 1,786,710; Dec. 30.
- Garhart Dental Specialty Co. (See Garhart, Nathan K., assignor.)
- Garhart, Nathan K., Watertown, assignor to Garhart Dental Specialty Co., Somerville, Mass. Bottle. 1,760,841; May 27.
- Garipey, Leo, Woonsocket, R. I. Separator for ring-spinning machines. 1,786,235; Dec. 23.
- Garland, James. (See Dugger, George F., assignor.)
- Garland, Walter S., Washington, D. C. Intermittent drive for indicators. 1,746,421; Feb. 11.
- Garlick, Ralph, Totawa Borough, N. J., and H. Sellman, Brooklyn, N. Y., assignors to Paul O. Abbe Inc., Little Falls, N. J. Discharge valve for ball and pebble mills. 1,745,480; Feb. 4.
- Garlinger, Marshall T. (See Cole, O. R., and Garlinger.)
- Garlock Packing Company, The. (See Abbott, George L., assignor.)
- Garlock Packing Company, The. (See Hubbard, C. R., and Waples, assignors.)
- Garner, James B., Pittsburgh, Pa., assignor to Standard Oil Development Company. Making a fuel gas. 1,767,357; June 24.
- Garnett, Cecil S., Derby, England. Composition and manufacture of refractory basic brick and the like. 1,751,234; Mar. 18.
- Garnett Church Furniture Co. (See Gray, George, assignor.)
- Garnett, Henry J. (See Smith, W. S., and Garnett.)
- Garno, George E. (See Heald, R. N., Guild, Burns, and Garno.)
- Garno, George E., assignor to The Heald Machine Company, Worcester, Mass. Chuck. 1,783,420; Dec. 2.
- Garofo, Barney C. (See Smith, Robert A., assignor.)
- Garrard, Charles G., assignor to Everite Locknuts Limited, London, England. Automatic or other nut-making and like machine tool. 1,771,534; July 29.
- Garred, Ulysses A., Jackson Heights, N. Y., assignor to Anaconda Copper Mining Company. Recovering metals. 1,782,418; Nov. 25.
- Garretson, John L., Buffalo, N. Y. Photographic-film package. 1,767,972; June 24.
- Garrett, Charles R., Scotia, N. Y., assignor to General Electric Company. Radio apparatus. 1,770,771; July 15.
- Garrett, Charles W., deceased, Penn Yan, N. Y.; M. H. Garrett, executrix. Aerating device. Des. 81,926; Sept. 2.
- Garrett, Edmund A., Brightwaters, assignor of one-half to F. C. Schwab, Mount Vernon, N. Y. Gas generating and burning apparatus. 1,783,564; Dec. 2.
- Garrett, Frederick G., Southall, England. Tent. 1,773,395; Aug. 19.
- Garrett, Frederick G., Southall, England. Folding leg or support for tables and other articles of furniture. 1,777,302; Oct. 7.
- Garrett, George K., Philadelphia, Pa. Apparatus for making lock washers. 1,745,160; Jan. 28.

- Garrett, George K., Bryn Mawr, assignor to National Umbrella Frame Company, Philadelphia, Pa. Nonentangling lock washer. 1,757,857; May 6.
- Garrett, Henry, assignor of one-third to C. F. Maulen and one-third to Associated Factories Corporation, Dallas, Tex. System for operating traffic-controlling and fire-alarm apparatus. 1,743,965; Jan. 14.
- Garrett, James W., assignor to Yarnall-Waring Company, Philadelphia, Pa. Steam trap. 1,753,508; Apr. 8.
- Garrett, James W., assignor to Yarnall-Waring Company, Philadelphia, Pa. Steam trap. 1,772,803; Aug. 12.
- Garrett, Margery H., executrix. (See Garrett, Charles W.)
- Garrett, Milan W., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Ultra-violet lamp. 1,783,643; Dec. 2.
- Garrett, Richard M., Yonkers, N. Y. Apparatus for detecting leaky cans. 1,766,019; June 24.
- Garrett, Stuart G., Tulsa, Okla. Two-piece electrical connection plug. 1,754,312; Apr. 15.
- Garrety, Frank J., Cincinnati, Ohio. Advertising device. 1,785,948; Dec. 23.
- Garrigue, William, & Company. (See Sieck, William, jr., assignor.)
- Garris, Amos L., Greenville, N. C. Harness buckle. 1,754,313; Apr. 15.
- Garrison, Forrest C., Evanston, Ill., assignor to The Oscar C. Rixson Company. Door closer and check. 1,773,988; Aug. 26.
- Garrison, George H., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Burning kiln. 1,767,281; June 24.
- Garrison, J. E., et. al. (See Johnston, Luther C., assignor.)
- Garrison, James M. (See Forward, C. A., and Garrison.)
- Garrison, Lloyd, Salt Lake City, Utah. Automatic stoker control. Re17,820; Oct. 7.
- Garrison, William J., Ridgway, Pa. Screening apparatus. 1,758,509; May 13.
- Garrott, John C., Houston, Tex. Sucker-rod guide. 1,766,070; June 24.
- Garrow, Theodore A., Los Angeles, Calif. Spreader for mixing machines. 1,750,264; Mar. 11.
- Garroway, David C., Belmont, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and contact structure therefor. 1,742,246; Jan. 7.
- Garroway, David C., Belmont, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Circuit interrupter. 1,768,951; July 1.
- Garroway, David C., Belmont, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Circuit interrupter. 1,768,952; July 1.
- Garroway, David C., Belmont, and C. D. Ainsworth, Wollaston, assignors to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and contact structure therefor. 1,742,245; Jan. 7.
- Garside, John B., assignor of one-half to M. E. Neish, Tonopah, Nev. Tire-deflation switch. 1,769,427; July 1.
- Garst, Arthur H., Providence, R. I. Clip for tubular shells. 1,774,434; Aug. 26.
- Gartenmann, Carl, Bern, Switzerland. Manufacturing a floor or ceiling covering. 1,772,942; Aug. 12.
- Garth, Hollan, Andover; J. Longbottom and F. Burns, Lawrence; and W. C. Just, Methuen, assignors to American Woolen Company, Boston, Mass. Spinning machine. 1,757,796; May 6.
- Garthe, John, Pontiac, Mich. Dado cutter. 1,763,463; June 10.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock-drilling mechanism. 1,760,354; May 27.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock-drilling mechanism. 1,774,482; Aug. 26.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Automatic lubricator. 1,774,483; Aug. 26.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,778,553; Oct. 14.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock-drilling mechanism. 1,778,939; Oct. 21.
- Garthing, George. (See Marks, Donn O., assignor.)
- Garthing, George, Los Angeles, Calif. Well-drill bit. 1,746,933; Feb. 11.
- Gartner, Gust, Carroll, Nebr. Wire-holding fence post. 1,754,712; Apr. 15.
- Gartner, John H., San Francisco, Calif., assignor of one-fifth to P. S. Higgins, one-fifth to J. D. Skelly, and one-fifth to W. Shackleton. Tire pressure indicator switch. 1,772,138; Aug. 5.
- Gartrell, Charles B., Kansas City, Mo. Wrench. 1,752,430; Apr. 1.
- Garvens, Frederick J. (See Schaumann, Bruno A., assignor.)
- Garver, Clifford. (See Baldwin, J. P., and Garver.)
- Garvey, Benjamin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of rubber. 1,774,322; Aug. 26.
- Garvey, Henry, jr., St. Francisville, Ill. Theft alarm. 1,755,644; Apr. 22.
- Garvey, James M., New York, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Laundry-marking tag. 1,758,599; May 13.
- Garvey, Richard, Los Angeles, Calif. Mouth-closing device. 1,775,718; Sept. 16.
- Garvie, James, London, England. Liquid measuring and delivering apparatus. 1,760,826; May 27.
- Garvin, William J. (See Mooney, William T., assignor.)
- Garvis, Gus G., Des Moines, Iowa. Ice-cream dispenser. 1,769,218; July 1.
- Garwood, Charles B., Linthicum Heights, assignor to Carr-Lowrey Glass Co., Baltimore, Md. Making flat bottles. 1,752,481; Apr. 1.
- Garwood, Charles B., Avalon, Calif. Wave-motor driving mechanism. 1,784,424; Dec. 9.
- Gary, Francis P., assignor to Chain Belt Company, Milwaukee, Wis. Endless sectional water screen. 1,781,223; Nov. 11.
- Gary, Laurence A., San Francisco, and H. G. Tasker, Los Angeles, Calif., assignors to American Telephone and Telegraph Company. Circuit switch. 1,784,898; Dec. 16.
- Gas Furnace Control Co. (See Payne, El Roy L., assignor.)
- Gas Industries Company. (See Levin, Isaac H., assignor.)
- Gas Machinery Company, The. (See Hayes, Fred B., assignor.)
- Gas Machinery Company, The. (See Steinwedell, William E., assignor.)
- Gas Refrigeration Corporation. (See Bruehl, Lawrence, assignor.)
- Gas Refrigeration Corporation. (See Bruehl, L., and Reichert, assignors.)
- Gas Refrigeration Corporation. (See Jankus, Jack C., assignor.)
- Gas Refrigeration Corporation. (See Otto, S., and Reichert, assignors.)
- Gas Research Company, The. (See Smith, Harry F., assignor.)
- Gasal, Gaylord G., Cedar Falls, Iowa. Rotary pump. 1,743,539; Jan. 14.
- Gaskill, Earl C., Red Bank, N. J. Making zinc sulphide. 1,758,741; May 13.
- Gaskill, Earl C., Red Bank, N. J., assignor to St. Joseph Lead Company, New York, N. Y. Electric smelting of zinc ore. 1,743,886; Jan. 14.
- Gaskill, Earl C., Red Bank, N. J., assignor to St. Joseph Lead Company, New York, N. Y. Zinc oxide and manufacture thereof. 1,743,964; Jan. 14.
- Gaskill, Earl C., Red Bank, N. J., assignor to St. Joseph Lead Company, New York, N. Y. Reducing zinc ore and the product obtained thereby. 1,773,779; Aug. 26.
- Gaskill, Earl C., Bonne Terre, Mo. Electrothermic zinc furnace. 1,775,591; Sept. 9.
- Gaskill, William R., assignor to R. W. Kerr, Frenchtown, N. J. Incubator. 1,782,609; Nov. 25.
- Gasmesserfabrik Mainz, Elster & Co. (See Meyer, Georg, assignor.)
- Gas Pump and Burner Manufacturing Company. (See Flanagan, Thomas J., assignor.)
- Gasoline Corporation. (See Matlock, Chauncey, assignor.)
- Gasoline Products Company. (See Black, John C., assignor.)
- Gasoline Products Company. (See Cross, Roy, assignor.)
- Gasoline Products Company. (See Cross, Walter M., assignor.)
- Gasoline Products Company. (See Hargrove, G. C., and Montgomery, assignors.)
- Gaspari, Joseph, New York, N. Y. Spectacle frame. Des. 80,785; Mar. 25.
- Gaspari, Joseph, New York, N. Y. Spectacle frame. Des. 82,084; Sept. 23.
- Gasparic, Thomas. (See Murray, Daniel J., assignor.)
- Gasparich, Anton, Oakland, Calif. Instrument for drafting irregular curves. 1,753,698; Apr. 8.
- Gassen, Josef, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Ingot-pushing device. 1,748,948; Mar. 4.
- Gassner, Alfred A. (See Fokker, A. H. G., and Gassner.)
- Gassner, Thomas S. (See Roper, William, assignor.)
- Gassstrom, Herman, Mount Vernon, N. Y. Extension rule. 1,768,679; July 1.
- Gast, Theodore A., assignor to The Harmony Co., Chicago, Ill. Guitar. 1,764,679; June 17.
- Gast, William, Philadelphia, Pa. Open-hearth furnace. 1,756,484; Apr. 29.
- Gast, William H. (See Stephan, Emil H., assignor.)
- Gaston, Harry W., New Rochelle, assignor to Boyce Automatic Oil Burner Corporation, New York, N. Y. Oil-burner construction. 1,783,567; Dec. 2.
- Gaston, Nathan E., Gulfport, Miss. Carburetor. 1,747,066; Feb. 11.
- Gat Gun Lubricating Corporation. (See Mackenzie, Philip, assignor.)
- Gatch, Joseph D., Wiggins, S. C. Rall chair. 1,758,282; May 13.
- Gatchell, George S., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle-bar mechanism for sewing machines. 1,748,709; Feb. 25.
- Gatchet, F. L., Inc. (See Gatchet, Francis L., assignor.)
- Gatchet, Francis L., assignor to F. L. Gatchet, Inc., Seattle, Wash. Spraying device. 1,769,428; July 1.
- Gately, Michael F., Westpoint, Nebr. Boxing glove. 1,745,670; Feb. 4.
- Gately, Steve R., Syracuse, Nebr. Cutting and grinding mill. 1,767,921; June 24.
- Gates, Charles E., Sedgwick County, Kans. Hitch for mowing machines and the like. 1,750,514; Mar. 11.

- Gates, Edwin F., Scotia, N. Y., assignor to General Electric Company. Method and apparatus for sealing thin metal members to glass envelopes. 1,779,311; Oct. 21.
- Gates, Frank M., assignor of one-third to W. P. Kelley, Rockford, Ill. Exposure meter. 1,763,509; June 10.
- Gates, Frederic P., West Hartford, assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Contact socket. 1,747,896; Feb. 18.
- Gates, George. (See Wise, A. A., and Gates.)
- Gates, George C., R. W. Clark, and P. C. Wills, Montrose, Colo. Coupling for drill rods. 1,762,057; June 3.
- Gates, John W., Montreal, Quebec, Canada, assignor, by mesne assignments to American Air-Cooled Block-Arch Combustion Co. Inc., New York, N. Y. Furnace structure. 1,763,925; June 17.
- Gates, Joseph W. (See Manning, P. A., and Gates.)
- Gates, Leroy G. (See Hawk, John W., assignor.)
- Gates, Lloyd E. (See Stephenson, A. W., and Gates.)
- Gates, Major E., Terra Cotta, Ill. Heat-treating furnace. 1,747,067; Feb. 11.
- Gates, Paul G., Gardena, Calif. Hydraulic casing spear. 1,779,123; Oct. 21.
- Gates, Samuel, Brooklyn, N. Y. Combination pajama jacket and dicky. Des. 81,231; May 27.
- Gathmann, Emil. (See Jones, James D., assignor.)
- Gathmann, Emil, Baltimore, Md. Ingot mold and ingot. 1,745,089; Jan. 28.
- Gathmann, Emil, Baltimore, Md. Ingot mold and ingot. 1,757,663; May 6.
- Gathmann, Emil, Baltimore, Md. Ingot mold and ingot. 1,767,174; June 24.
- Gathmys Research Corporation. (See Madorsky, Samuel L., assignor.)
- Gatler, L. Stewart, executor. (See Fisher, Charles and C. D.)
- Gatliff, Robert L., Tampa, Fla. Advertising device. 1,764,834; June 17.
- Gatter, Willibald, Aussig-Schreckenstein, Czechoslovakia. Vehicle axle. 1,742,387; Jan. 7.
- Gaty, John P., Madison, N. J. Sound-propelling diaphragm. 1,768,473; June 24.
- Gatzsch, Oskar, Ruti, Switzerland. Electrically-driven woodworking machine. 1,748,446; Feb. 25.
- Gau, Henry F., Cincinnati, Ohio. Hypodermic-needle guard. 1,774,707; Sept. 2.
- Gau, Henry F., Cincinnati, Ohio. Dilator. 1,780,912; Nov. 11.
- Gaubatz, Conrad, Mansfield, Ohio. Spike-tooth harrow. 1,756,820; Apr. 29.
- Gaubert, John Q., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Contact finger. 1,763,145; June 10.
- Gauchot, Arthur, Parc St. Maur, France. Mudguard system for motor cars and the like. 1,768,445; June 24.
- Gaudenzi, Arthur, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Rectifier system. 1,755,320; Apr. 22.
- Gaudenzi, Arthur, and E. Kobel, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Metallic-vapor-rectifier cathode. 1,756,682; Apr. 29.
- Gauger, Frank A., and R. W. Johnson, Milwaukee, Wis., assignors, by mesne assignments, to Time-O-Stat Controls Company. Water-heater appliance. 1,752,840; Apr. 1.
- Gaul, Richard. (See Année, Louis, assignor.)
- Gault, Maceo, Taylor, Tex. Railway switch. 1,750,465; Mar. 11.
- Gaume, Lewis E., Akron, assignor to The Miraclean Company, Canton, Ohio. Purification of solvents adapted for use in dry cleaning. 1,770,266; July 8.
- Gauntner, Albert, Jr., Altoona, Pa. Adjustable ratchet socket wrench. 1,746,150; Feb. 4.
- Gaupp, Rudolf, Cologne-on-the-Rhine, assignor to Motorenfabrik Deutz, Aktiengesellschaft, Cologne-Deutz, Germany. Two-stroke-cycle internal-combustion engine equipped with scavenging-pump annex. 1,777,841; Oct. 7.
- Gaus, Wilhelm, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Motor fuel. 1,775,674; Sept. 16.
- Gausel, Earl, Minneapolis, Minn. Internal-combustion engine. 1,764,557; June 17.
- Gauthier, Alfred, Calmbach-on-the-Enz, Germany. Photographic lens shutter. 1,751,808; Mar. 25.
- Gauthier, André, Villepauche, France. Wheel for vehicles. 1,763,580; June 10.
- Gauthier, Crosby R., Ridgewood, N. J., assignor, by mesne assignments, to Federal Telegraph Company. Electrical communicating system. 1,758,570; May 13.
- Gauvin, Henri, Ottawa, Ontario, Canada. Roof covering. 1,783,839; Dec. 2.
- Gavaza, George V., Quincy, Mass. Combined filling and draining device. 1,762,390; June 10.
- Gavaza, George V., Quincy, Mass. Siphon pump. 1,771,407; July 29.
- Gaven, Mary E., administratrix. (See Gaven, W. J., and Fried.)
- Gaven, William J., deceased, Wilkes-Barre, Pa. Mary E. Gaven, administratrix; and M. Fried, Mount Vernon, N. Y. Making composition blanks; 1,765,719; June 24.
- Gavin, John H., assignor to The Chicago Faucet Company, Chicago, Ill. Faucet screen. 1,782,758; Nov. 25.
- Gavin, Richard E. (See Murphy, William, assignor.)
- Gaw, Luther A., Charlottesville, Va., assignor to Dillon-Gaw Motor Company, Fayetteville, W. Va. Cylinder-head construction for internal-combustion engines. 1,763,232; June 10.
- Gaw-O'Hara Envelope Company. (See Olgay, Albert, assignor.)
- Gawron, David J., Brooklyn, N. Y. Electric pencil sharpener. 1,783,038; Nov. 25.
- Gaxiola, Carlos M., Salt Lake City, Utah. Picture-enlarging apparatus. 1,768,755; July 1.
- Gay, André M., West Newton, Mass. Device for effecting permanent waves in hair. 1,774,323; Aug. 26.
- Gay, Bernard R., Cleveland, Ohio. Display case. 1,754,711; Apr. 15.
- Gay, Eugène, Lyon, France. Obtaining photographic images. 1,751,318; Mar. 18.
- Gay, Frazer W., Newark, N. J. Alternating-current generator and circuit and control of auxiliaries therefor. 1,744,879; Jan. 28.
- Gay, Frazer W., Newark, N. J. Propelling ships. 1,749,071; Mar. 4.
- Gay, Frazer W., Newark, N. J. Cooling means for electrical and other apparatus. 1,750,750; Mar. 18.
- Gay, Frazer W., Newark, N. J. Protective system for transmission circuits. 1,752,666; Apr. 1.
- Gay, Frazer W., Newark, N. J. Electric switch. 1,753,650; Apr. 8.
- Gay, Frazer W., Newark, N. J. Cooling system for underground electric transmission lines. 1,754,314; Apr. 15.
- Gay, Frazer W., Newark, N. J. Heat transfer means for electrical apparatus. 1,761,387; June 3.
- Gay, Frazer W., Newark, N. J. Apparatus for exciting alternating-current machines. 1,770,073; July 8.
- Gay, Frazer W., Newark, N. J. Electric-power-generating system. 1,771,252; July 22.
- Gay, Frazer W., Newark, N. J. Propulsion of bodies. 1,775,757; Sept. 16.
- Gay, Frazer W., Newark, N. J., assignor to General Electric Company. Automatic voltage-regulating means. 1,755,060; Apr. 15.
- Gay, Frazer W., Newark, N. J., assignor to General Electric Company. Current-limiting means. 1,755,111; Apr. 15.
- Gay, Frazer W., Newark, N. J., assignor to General Electric Company. Connecting electrical machines with transformer banks. 1,782,262; Nov. 18.
- Gay, Frazer W., Newark, N. J., assignor to General Electric Company. Connecting electrical machines with transformer banks by phase changing and voltage changing. 1,782,263; Nov. 18.
- Gay, George L., Long Beach, Calif. Blade oiler for dough dividers. 1,779,876; Oct. 28.
- Gay, Norman H., Los Angeles, Calif. Condenser for refrigerating plants. 1,748,121; Feb. 25.
- Gay, Norman H., Los Angeles, Calif. Brine tank for ice plants. 1,766,020; June 24.
- Gay, Roy, Memphis, Tex. Combination garment supporter and comforter. 1,753,858; Apr. 8.
- Gaylord, John F., Flint, Mich. Transmission-declutching mechanism. 1,758,106; May 13.
- Gayman, Bert A., San Francisco, Calif., assignor to Link Belt Company, Chicago, Ill. Sleeve for roller bearings. Re17,838; Oct. 21.
- Gaynor, Arthur C., Stratford, Conn. Snap switch. 1,762,016; June 3.
- Gaynor, Arthur C., Stratford, Conn. Snap switch. 1,762,093; June 3.
- Gaynor, Edwin G., Bridgeport, Conn. Attachment-lug receptacle. 1,742,907; Jan. 7.
- Gazelle, Michel S., Detroit, Mich. Electric water heater. 1,779,696; Oct. 28.
- Geaneas, Peter, Brooklyn, N. Y. Carbon-removing device. 1,780,073; Oct. 28.
- Gear Grinding Machine Company. (See McCarrell, William A., assignor.)
- Gear Grinding Company Limited, The. (See Orcutt, A. H., and Snarry, assignors.)
- Gear Grinding Company Limited, The. (See Snarry, John W., assignor.)
- Gearhart, Emory J., Clearfield, Pa. Runner knitter. 1,777,610; Oct. 7.
- Gearhart, Emory J., assignor to Superior Appliance & Pattern Company, Clearfield, Pa. Fabric and thread holder. 1,773,618; Aug. 19.
- Gearhart, Joseph W., et al. (See Bechtold, Troy W., assignor.)
- Gearheart, Edgar G. (See Rohaut, C. N., and Gearheart.)
- Gearts, Albert J., Escanaba, Mich. Fruit-display rack. 1,754,998; Apr. 15.
- Geary, James F., Salt Lake City, Utah. Reagent feeder. 1,766,625; June 24.
- Gebauer, Herman C., assignor of one-half to B. J. Malmgren, St. Paul, Minn. Illuminated street sign. 1,766,119; June 24.
- Gebauer, Oscar E., Scottsbluff, Nebr. Combination wrist compact and mirror. Des. 81,132; May 13.
- Gebert, Albert E. (See Antoine, A. D., and Gebert.)
- Gebert, Albert E. (See Richardson, M. H., and Gebert.)
- Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Inductance system. 1,753,408; Apr. 8.
- Gebhard, Louis A., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Tube-temperature and loss-indicating device. 1,762,859; June 10.

- Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Inductance system. 1,763,233; June 10.
- Gebhard, Louis A., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Electron-tube circuit. 1,766,038; June 24.
- Gebhards, William H., Phelps City, Mo. Milk-bottle holder. 1,757,521; May 6.
- Gebhardt, Gustav H., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Wire-loop-bending machine. 1,765,228; June 17.
- Gebhardt, Wilhelm. (See Paschen, P., and Gebhardt.)
- Gebhardt, William, assignor to G. A. Duerler Manufacturing Company, San Antonio, Tex. Feeding mechanism for nut-cracking machines. 1,761,822; June 3.
- Gebhardt, William, assignor to G. A. Duerler Manufacturing Company, San Antonio, Tex. Nut-cracking machine. 1,761,823; June 3.
- Gebhart Folding Box Company, The. (See Gebhart, L. H., and Wise, assignors.)
- Gebhart, Louis H., and S. G. Wise, assignors to The Gebhart Folding Box Company, Dayton, Ohio. Box. 1,753,461; Apr. 8.
- Gebr. Eickhoff. (See Aurich, Peter, assignor.)
- Gebr. Eickhoff Maschinenfabrik. (See Aurich, Peter, assignor.)
- Gebr. Eickhoff Maschinenfabrik. (See Stroedter, Karl, assignor.)
- Gebr. Karges. (See Schmidt, Wilhelm, assignor.)
- Gebrüder Brehmer, Maschinenfabrik. (See Kleinschmit, Oscar, assignor.)
- Gebrüder Hardy Maschinenfabrik und Giesserei A. G. (See Leuchter, Richard L., assignor.)
- Gebrüder Ludwig Maschinenfabrik. (See Knappe, Paul, assignor.)
- Gebrüder Siemens & Co. (See Egly, Georg, assignor.)
- Gebrüder Sulzer Aktiengesellschaft at Winterthur. (See Ferguson, George, assignor.)
- Geddes, William F., assignor of one-half to A. E. Judd, Los Angeles, Calif. Collapsible crate. 1,779,124; Oct. 21.
- Gedney, Stanley L., Maplewood, N. J. Clip. 1,767,973; June 24.
- Geer, Lawrence S., New York, assignor to G. H. Frommann, Concord, N. Y. Display device. 1,753,004; Apr. 1.
- Geer, Octave B., Willoughby, Ohio. Automatic liquid feeder. 1,764,835; June 17.
- Geer, William C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Adhesive material. 1,744,880; Jan. 28.
- Geer, William C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Electrode. 1,770,514; July 15.
- Geer, William C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Impregnating composition and preparing and using the same. 1,773,101; Aug. 19.
- Geer, William C., New Rochelle, assignor to The B. F. Goodrich Company, New York, N. Y. Paint and making the same. 1,744,881; Jan. 28.
- Geer, William C., New Rochelle, N. Y., and H. L. Trumbull, Hudson, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Dispersed vulcanized rubber. 1,754,886; Apr. 15.
- Geery, Charles H., Kansas City, Mo. Watch-cleaning machine. 1,753,462; Apr. 8.
- Geeson, William J., Burgettstown, Pa. Rail joint. 1,742,762; Jan. 7.
- Geeson, William J., Port Colborne, Ontario, Canada. Brake mechanism. 1,754,355; Apr. 15.
- Geffken, Claus, Burlington, Wash., assignor of twenty-four and one-half per cent to A. G. Franklin and twenty-four and one-half per cent to V. H. Cressey. Combination hoe and rake. 1,757,942; May 6.
- Geffon, Abraham, and J. Holtman, New York, N. Y. Force-feed lubricator. 1,776,659; Sept. 23.
- Gegauf, Eugen, Steckborn, Switzerland. Machine for sewing openwork seams. 1,744,882; Jan. 28.
- Gégauff, Charles, Mulhouse, Alsace, France. Cushioning means for the fallers of gill boxes and intersecting frames. 1,763,926; June 17.
- Gehlen, Karl, Villingen, assignor to Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen A. N., Germany. Fare indicator. 1,786,745; Dec. 30.
- Gehr, Ray S. (See Dorn, Harry P., assignor.)
- Gehret, Mahlon P., deceased, by M. A. Gehret, executrix, Bridgeport, Pa. Apparatus for fabricating wire mesh. 1,776,220; Sept. 16.
- Gehret, Mary A., executrix. (See Gehret, Mahlon P.)
- Gehrig, William F., assignor to Essex Speciality Co., Inc., Berkley Heights, N. J. Detonating-firework composition. 1,771,116; July 22.
- Gehrke, Irene F., Chicago, Ill. Blanket or similar device. 1,767,842; June 24.
- Geier, P. A., Company, The. (See Lawrence, Charles B., assignor.)
- Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
- Geier, P. A., Company, The. (See Willis, Olo C., assignor.)
- Geiger, Edward F., Binghamton, N. Y. Carburetor. 1,767,664; June 24.
- Geiger, Edward F., Binghamton, N. Y. Carburetor. 1,767,665; June 24.
- Geiger, Edward F., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Self-regulating control system. 1,745,924; Feb. 4.
- Geiger, Ernst, Irvington, N. J. Garage. Re17,568; Jan. 21.
- Geiger, Frederick, assignor to The Enamel Products Company, Cleveland, Ohio. Drain board. 1,785,771; Dec. 23.
- Geiger, Paul H., Ann Arbor, Mich., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. Re17,763; Aug. 5.
- Geiger, Paul H., Ann Arbor, Mich., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,775,025; Sept. 2.
- Geiger, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,771,212; July 22.
- Geiger, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,774,054; Aug. 26.
- Geiger, Paul H., Wilkinsburg, and L. O. Grondahl, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical filtering apparatus. 1,784,004; Dec. 9.
- Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,747,825; Feb. 18.
- Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,750,797; Mar. 18.
- Geiger, William F., Jersey City, N. J., assignor to Cunningham Products Corporation, New York, N. Y. Pocket atomizer. Des. 80,665; Mar. 4.
- Geiges, Alexander, East Orange, N. J., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-rod end piece. Des. 80,261; Jan. 7.
- Geiges, Alexander, East Orange, N. J., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-rod centerpiece. Des. 80,262; Jan. 7.
- Geiges, Alexander, East Orange, N. J., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-rod end piece. Des. 80,263; Jan. 7.
- Geiges, Alexander, East Orange, N. J., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-rod centerpiece. Des. 80,264; Jan. 7.
- Geigy, firm; J. R., L. A. (See Laeuger, Paul, assignor.)
- Geigy, J. R., S. A. (See Bauder, Emil, assignor.)
- Geigy, J. R., S. A. (See Laeuger, Paul, assignor.)
- Geller, Frederick C., Dayton, Ohio, assignor by mesne assignments, to Frigidaire Corporation. Tray for refrigerating units. 1,780,422; Nov. 4.
- Geisel, Karl, Levallois-Perret, France, assignor, by mesne assignments, to Aluminum Solder Corporation of America, New York, N. Y. Composition for soldering metals. 1,761,116; June 3.
- Geisinger, Arthur F., Milwaukee, Wis. Collapsible pole and rod holder. 1,776,425; Sept. 23.
- Geisler, Charles R., Pittsburgh, Pa. Concrete structure and making same. 1,787,149; Dec. 30.
- Geisler, Edgar W., assignor, by mesne assignments, to R. H. Comey Brooklyn Company, Inc., Brooklyn, N. Y. Treatment of materials to retard fading. 1,783,114; Nov. 25.
- Geisman, Muslinor & Brightman, Inc. (See Kolb, Frederick A., assignor.)
- Geisslinger, Jean, Forest Hills, N. Y., assignor to E. Beck, Geneva, Switzerland. Clockworks with electric winding device. 1,778,072; Oct. 14.
- Geistert, Albert G. (See Hunt, O. E., and Geistert.)
- Geithle, William, Clarksburg, Calif. Endless cutter. 1,745,090; Jan. 28.
- Geitner, Alexander L., Rochester, N. Y. Counterbore. 1,776,499; Sept. 23.
- Gelassi, Pasquale, New York, N. Y. Compound floor strip. 1,783,782; Dec. 2.
- Gelatt, Philo M., Miami Beach, Fla. Vapor-pressure gauge. 1,784,052; Dec. 9.
- Gelatt, Philo M., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Tandem-float-operated gauge. 1,746,828; Feb. 11.
- Gelb, Joseph, New York, N. Y. Arc lamp. 1,771,622; July 29.
- Geldhof, Peter E. (See Nelson, J. C., and Geldhof.)
- Geldhof, Peter E., Syracuse, assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Garment-pressing machine. 1,745,789; Feb. 4.
- Geldhof, Peter E., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Rinsing device for centrifugal clothes driers. 1,747,293; Feb. 18.
- Geldhof, Peter E., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Centrifugal clothes drier. 1,770,666; July 15.
- Geldhof, Peter E., assignor to Syracuse Washing machine Corporation, Syracuse, N. Y. Friction clutch for converting reciprocal motion into rotary motion. 1,771,781; July 29.
- Geldhof, Peter E., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Centrifugal clothes drier. 1,773,710; Aug. 19.
- Geldhof, Peter E., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Centrifugal clothes drying and rinsing apparatus. 1,787,242; Dec. 30.
- Geldhof, Peter E., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Mechanical clothes washer and drier. 1,787,243; Dec. 30.

- Geldhof, Peter E., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Mechanical clothes washer. 1,787,244; Dec. 30.
- Gelino, Amil J., Fort Dodge, Iowa. Crank-case-oil heater. 1,770,642; July 15.
- Gelissen, Henri C. J. H., Deventer, Netherlands, and F. V. Hooft, Buffalo, N. Y., assignors to Novadel-Agene Corporation, Newark, N. J. Treatment of edible milling products. 1,773,989; Aug. 26.
- Geller, Leon W., Hamburg, assignor to National Aniline & Chemical Co. Inc., New York, N. Y. Disazo dye containing a diphenylurea nucleus. 1,782,682; Nov. 25.
- Gelormini, Otto. (See Essex, H., Gelormini, and Masterson.)
- Geloso, John, New York, assignor, by mesne assignments, to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Knob for radiodials. Des. 80,612; Mar. 4.
- Geloso, John, assignor to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Escutcheon plate. Des. 81,745; Aug. 5.
- Geloso, John, New York, assignor, by mesne assignments, to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Indicator element. 1,747,234; Feb. 18.
- Geloso, John, New York, assignor to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Indicating means. 1,747,235; Feb. 18.
- Geloso, John, New York, assignor, by mesne assignments, to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Variable-capacity element. 1,763,771; June 17.
- Geloso, John, New York, assignor, by mesne assignments, to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Resistance. 1,763,772; June 17.
- Geloso, John, New York, assignor, by mesne assignments, to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Tube socket. 1,782,419; Nov. 25.
- Gelstharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Calcining apparatus. 1,754,854; Apr. 15.
- Gelstharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,771,213; July 22.
- Gelstharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Absorption glass. 1,771,435; July 29.
- Gelstharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,775,125; Sept. 9.
- Gem Appliances Inc. (See Gould, Benjamin, assignor.)
- Gemeiner, Samuel, Brooklyn, N. Y. Hosiery-display device. 1,771,845; July 29.
- Gemex Company. (See Prestinari, Eugen, assignor.)
- Gemex Company. (See Roy, Wilfred J., assignor.)
- Gemmer Manufacturing Company. (See Flury, Richard, assignor.)
- Gemmer Manufacturing Company. (See Marles, Henry, assignor.)
- Gender, Paeschke & Frey Company. (See Kempter, Philip, assignor.)
- Gendler, Louis, New York, N. Y. Bagle-forming machine. 1,755,921; Apr. 22.
- Gendron, Joseph A., Los Angeles, Calif. Angle-recording attachment for transits. 1,759,482; May 20.
- Genenger, Richard, Aachen-Forst, Germany, assignor, by mesne assignments, to The American Bicherox Company, Inclined feed track for plastic plate glass. 1,756,118; Apr. 29.
- Genenger, Richard, Aachen-Forst, Germany, assignor, by mesne assignments, to The American Bicherox Company. Glass-plate-feed track. 1,767,922; June 24.
- General Aniline Works, Inc. (See Ballauf, Fritz, assignor.)
- General Aniline Works, Inc. (See Ballauf, F., Muth, and Schmelzer, assignors.)
- General Aniline Works, Inc. (See Bauer, W., Neelmeier, and Nocken, assignors.)
- General Aniline Works, Inc. (See Berthold, Hermann, assignor.)
- General Aniline Works, Inc. (See Bucherer, Hans T., assignor.)
- General Aniline Works, Inc. (See Clingstein, Heinrich, assignor.)
- General Aniline Works, Inc. (See Clingstein, H., and Grimmel, assignors.)
- General Aniline Works, Inc. (See Cotton, William, assignor.)
- General Aniline Works, Inc. (See Dawes, Arthur W., assignor.)
- General Aniline Works, Inc. (See Doser, A., Mauthe, and Thauss, assignors.)
- General Aniline Works, Inc. (See Duisberg, W., Hentrich, and Zeh, assignors.)
- General Aniline Works, Inc. (See Eckert, W., and Kirst, assignors.)
- General Aniline Works, Inc. (See Eichwede, H., and Fischer, assignors.)
- General Aniline Works, Inc. (See Eskert, W., and Greune, assignors.)
- General Aniline Works, Inc. (See Fellmer, Ernst, assignor.)
- General Aniline Works, Inc. (See Fischer, Erich, assignor.)
- General Aniline Works, Inc. (See Fischer, E., and Müller, assignors.)
- General Aniline Works, Inc. (See Fischesser, Alfred, assignor.)
- General Aniline Works, Inc. (See Francke, B., and Moehrke, assignors.)
- General Aniline Works, Inc. (See Glietenberg, E., and Sigwart, assignors.)
- General Aniline Works, Inc. (See Greune, Heinrich, assignor.)
- General Aniline Works, Inc. (See Grimmel, H., and Clingstein, assignors.)
- General Aniline Works, Inc. (See Haller, Josef, assignor.)
- General Aniline Works, Inc. (See Hartmann, Willi, assignor.)
- General Aniline Works, Inc. (See Haynn, Richard, assignor.)
- General Aniline Works, Inc. (See Henle, F., and Vossen, assignors.)
- General Aniline Works, Inc. (See Hentrich, W., and Hardtmann, assignors.)
- General Aniline Works, Inc. (See Hentrich, W., Hardtmann, and Knoche, assignors.)
- General Aniline Works, Inc. (See Hentrich, W., Hardtmann, and Tietze, assignors.)
- General Aniline Works, Inc. (See Hentrich, W., and Zeh, assignors.)
- General Aniline Works, Inc. (See Herz, R., and Albrecht, assignors.)
- General Aniline Works, Inc. (See Herz, R., Farr, Thiess, and Müller, assignors.)
- General Aniline Works, Inc. (See Herz, R., Runne, and Albrecht, assignors.)
- General Aniline Works, Inc. (See Herz, R., and Schubert, assignors.)
- General Aniline Works, Inc. (See Herz, R., and Schulte, assignors.)
- General Aniline Works, Inc. (See Herzberg, W., and Lange, assignors.)
- General Aniline Works, Inc. (See Heyn, Bruno, assignor.)
- General Aniline Works, Inc. (See Heyna, H., Kirst, Kracker, and Moldaenke, assignors.)
- General Aniline Works, Inc. (See Hoffa, E., and Heyna, assignors.)
- General Aniline Works, Inc. (See Hoffa, E., and Müller, assignors.)
- General Aniline Works, Inc. (See Hoffa, E., and Thoma, assignors.)
- General Aniline Works, Inc. (See Honold, Ernst, assignor.)
- General Aniline Works, Inc. (See Kahn, Myrtill, assignor.)
- General Aniline Works, Inc. (See Kahn, M., Schepss, and Zeh, assignors.)
- General Aniline Works, Inc. (See Kahn, M., and Thauss, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., and Keller, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., and Ritter, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., Salkowski, and Frister, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., and Scheyer, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., Scheyer and Keller, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., Scheyer, Nawiasky, and Krauch, assignors.)
- General Aniline Works, Inc. (See Kalischer, G., and Zerweck, assignors.)
- General Aniline Works, Inc. (See Kämmerer, H., and Holzach, assignors.)
- General Aniline Works, Inc. (See Kammerer, Hans, assignor.)
- General Aniline Works, Inc. (See Keller, F., and Schnitzspahn, assignors.)
- General Aniline Works, Inc. (See Korten, Ernst, assignor.)
- General Aniline Works, Inc. (See Kramer, E., Bollweg, and Zeh, assignors.)
- General Aniline Works, Inc. (See Kränzlein, G., Greune, and Vollmann, assignors.)
- General Aniline Works, Inc. (See Kränzlein, G., Greune, Zahn, and Schmidt, assignors.)
- General Aniline Works, Inc. (See Kränzlein, G., Heyse, and Ochwat, assignors.)
- General Aniline Works, Inc. (See Kränzlein, G., Kronholz, and Roemer, assignors.)
- General Aniline Works, Inc. (See Kränzlein, G., Roemer, and Kronholz, assignors.)
- General Aniline Works, Inc. (See Kränzlein, G., and Vollmann, assignors.)
- General Aniline Works, Inc. (See Krauss, Carl, assignor.)
- General Aniline Works, Inc. (See Krzikalla, Hans, assignor.)
- General Aniline Works, Inc. (See Krzikalla, H., and Kämmerer, assignors.)
- General Aniline Works, Inc. (See Kunz, M. A., and Köberle, assignors.)
- General Aniline Works, Inc. (See Laska, L., and Zitscher, assignors.)
- General Aniline Works, Inc. (See Lüttringhaus, A., and Kafer, assignors.)
- General Aniline Works, Inc. (See Luettringhaus, A., Nawiasky, and Ehrhardt, assignors.)
- General Aniline Works, Inc. (See Lüttringhaus, A., Nawiasky, and Krause, assignors.)
- General Aniline Works, Inc. (See Mauthe, G., and Thauss, assignors.)

General Aniline Works, Inc. (See Mayer, F., and Zahn, assignors.)
 General Aniline Works, Inc. (See Meyer, K. H., Hopff, and Krause, assignors.)
 General Aniline Works, Inc. (See Mieg, Walter, assignor.)
 General Aniline Works, Inc. (See Mieg, W., and Heidenrich, assignors.)
 General Aniline Works, Inc. (See Mildner, Hans, assignor.)
 General Aniline Works, Inc. (See Münch, Eduard, assignor.)
 General Aniline Works, Inc. (See Nawlasky, Paul, assignor.)
 General Aniline Works, Inc. (See Nawlasky, P., and Krause, assignors.)
 General Aniline Works, Inc. (See Nawlasky, P., Krause, and Holl, assignors.)
 General Aniline Works, Inc. (See Nawlasky, P., and Müller, assignors.)
 General Aniline Works, Inc. (See Neelmeier, W., and Heidenrich, assignors.)
 General Aniline Works, Inc. (See Neelmeier, W., and Nocken, assignors.)
 General Aniline Works, Inc. (See Neresheimer, H., and Schneider, assignors.)
 General Aniline Works, Inc. (See Nicodemus, O., and Berndt, assignors.)
 General Aniline Works, Inc. (See Pfaffendorf, Wilhelm, assignor.)
 General Aniline Works, Inc. (See Pfeffer, Ernst, assignor.)
 General Aniline Works, Inc. (See Rudolf, L., and Zschimmer, assignors.)
 General Aniline Works, Inc. (See Runne, E., Moldaenke, and Fischer, assignors.)
 General Aniline Works, Inc. (See Scheyer, Heinz, assignor.)
 General Aniline Works, Inc. (See Schirmacher, Karl and W., assignors.)
 General Aniline Works, Inc. (See Schirmacher, K., and Eishold, assignors.)
 General Aniline Works, Inc. (See Schirmacher, K., Schlichenmaier, and Kross, assignors.)
 General Aniline Works, Inc. (See Schmidt, M. P., and Limpach, assignors.)
 General Aniline Works, Inc. (See Schmidt, Karl, assignor.)
 General Aniline Works, Inc. (See Schmidt, Robert E., assignor.)
 General Aniline Works, Inc. (See Schmidt, R. E., and Stein, assignors.)
 General Aniline Works, Inc. (See Schweitzer, Hugo, assignor.)
 General Aniline Works, Inc. (See Schweitzer, H., and Neelmeier, assignors.)
 General Aniline Works, Inc. (See Sohst, Otto, assignor.)
 General Aniline Works, Inc. (See Spengler, O., and Müller, assignors.)
 General Aniline Works, Inc. (See Staehlin, Otto, assignor.)
 General Aniline Works, Inc. (See Stuesser, Richard, assignor.)
 General Aniline Works, Inc. (See Stüsser, Richard, assignor.)
 General Aniline Works, Inc. (See Thauss, Alfred, assignor.)
 General Aniline Works, Inc. (See Thauss, A., and Mauthe, assignors.)
 General Aniline Works, Inc. (See Thiess, Karl, assignor.)
 General Aniline Works, Inc. (See Thiess, K., and Deicke, assignors.)
 General Aniline Works, Inc. (See Thiess, K., and Fischer, assignors.)
 General Aniline Works, Inc. (See Thiess, K., Gmelin, and Zahn, assignors.)
 General Aniline Works, Inc. (See Thiess, K., Meissner, and Müller, assignors.)
 General Aniline Works, Inc. (See Thiess, K., Runne, Moldaenke, and Meissner, assignors.)
 General Aniline Works, Inc. (See Trautner, W., Stein, and Berliner, assignors.)
 General Aniline Works, Inc. (See Virck, Paul, assignor.)
 General Aniline Works, Inc. (See Voetter, Ernst, assignor.)
 General Aniline Works, Inc. (See von Braun, J., and Bayer, assignors.)
 General Aniline Works, Inc. (See Wagner, Hermann, assignor.)
 General Aniline Works, Inc. (See Wagner, H., Brune, Hessenland, Hoffa, Müller, and Heyna, assignors.)
 General Aniline Works, Inc. (See Wagner, H., Eichwede, and Fischer, assignors.)
 General Aniline Works, Inc. (See Wagner, H., Hoffa, Runne, Thoma, and Heyna, assignors.)
 General Aniline Works, Inc. (See Wagner, H., Kuchenbecker, and Huss, assignors.)
 General Aniline Works, Inc. (See Wagner, H., Sohst, and Ruchor, assignors.)
 General Aniline Works, Inc. (See Wahl, Ottmar, assignor.)
 General Aniline Works, Inc. (See Wilke, K., and Stock, assignors.)
 General Aniline Works, Inc. (See Wilke, K., Thiess, and Braunsdorf, assignors.)
 General Aniline Works, Inc. (See Wulff, O., Sedlmayr, and Eckert, assignors.)
 General Aniline Works, Inc. (See Zeh, Ludwig, assignor.)

General Aniline Works, Inc. (See Zerweck, Werner, assignor.)
 General Aniline Works, Inc. (See Zitscher, Arthur, assignor.)
 General Automotive Equipment Company. (See Bezek, Frank A., assignor.)
 General Aviation Corporation. (See Fokker, Anthony H. G., assignor.)
 General Aviation Corporation. (See Noorduyn, Robert B. C., assignor.)
 General Brass Company. (See Chilman, William S., assignor.)
 General Cable Corporation. (See Cook, William E., assignor.)
 General Cable Corporation. (See Mignot, Arthur E., assignor.)
 General Cable Corporation. (See Miller, Kenneth W., assignor.)
 General Cable Corporation. (See Saurman, A. B., Webb, and Beach, assignors.)
 General Cable Corporation. (See Simmons, Donald M., assignor.)
 General Chain Company. (See Eklund, Alexander, assignor.)
 General Chain Company. (See Hogberg, J. L., and Granskog, assignors.)
 General Chemical Company. (See Adamson, George P., assignor.)
 General Chemical Company. (See Allen, Walter S., assignor.)
 General Chemical Company. (See Banton, Madison W., assignor.)
 General Chemical Company. (See Benner, Raymond C., assignor.)
 General Chemical Company. (See Benner, R. C., and Henninger, assignors.)
 General Chemical Company. (See Benner, R. C., and Thompson, assignors.)
 General Chemical Company. (See Cordy, H. J., and Burgoyne, assignors.)
 General Chemical Company. (See Fauerbach, Daniel, assignor.)
 General Chemical Company. (See Henninger, Arthur H., assignor.)
 General Chemical Company. (See Isenberg, Hans O. C., assignor.)
 General Chemical Company. (See Landau, Henry B., assignor.)
 General Chemical Company. (See Lohmann, William H., assignor.)
 General Chemical Company. (See Meiklejohn, Roy M., assignor.)
 General Chemical Company. (See Merriam, Henry F., assignor.)
 General Chemical Company. (See Scott, Garnett L., assignor.)
 General Chemical Company. (See Sirdevan, David F., assignor.)
 General Chemical Company. (See Tiley, George E., assignor.)
 General Cigar Company. (See Wheeler, Henry H., assignor.)
 General Development Company, The. (See Christmas, William W., assignor.)
 General Dry Batteries, Inc. (See Deibel, Cyril P., assignor.)
 General Dry Kiln Company. (See Mueller, Moritz L., assignor.)
 General Drying Engineering Corporation. (See Strong, William M., assignor.)
 General Electric Company. (See Abbott, Charles C., assignor.)
 General Electric Company. (See Adams, Lester V., assignor.)
 General Electric Company. (See Adams, Roy L., assignor.)
 General Electric Company. (See Akeroyd, Julius A., assignor.)
 General Electric Company. (See Alexander, Johann, assignor.)
 General Electric Company. (See Alexander, Peter P., assignor.)
 General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
 General Electric Company. (See Alexanderson, E. F. W., and Kell, assignors.)
 General Electric Company. (See Alger, Philip L., assignor.)
 General Electric Company. (See Allen, Hugh E., assignor.)
 General Electric Company. (See Alterthum, Hans, assignor.)
 General Electric Company. (See Anderson, Arvid E., assignor.)
 General Electric Company. (See Anderson, A. E., and King, assignors.)
 General Electric Company. (See Anderson, Robert G., assignor.)
 General Electric Company. (See Andrews, Paul D., assignor.)
 General Electric Company. (See Aoki, Sataro, assignor.)
 General Electric Company. (See Arkell, Frederick G., assignor.)
 General Electric Company. (See Arsem, William C., assignor.)
 General Electric Company. (See Bailey, Allen E., jr., assignor.)

- General Electric Company. (See Bailey, Percy S., assignor.)
- General Electric Company. (See Bainbridge, Kenneth T., assignor.)
- General Electric Company. (See Baker, Walter R. G., assignor.)
- General Electric Company. (See Baldwin, Henry S., assignor.)
- General Electric Company. (See Bany, Herman, assignor.)
- General Electric Company. (See Bany, H., and Lockett, assignors.)
- General Electric Company. (See Bany, H., and McDonald, assignors.)
- General Electric Company. (See Barbagelata, Angelo, assignor.)
- General Electric Company. (See Barringer, Lawrence E., assignor.)
- General Electric Company. (See Barton, Fred C., assignor.)
- General Electric Company. (See Barton, Frederick C., assignor.)
- General Electric Company. (See Barton, Theophilus F., assignor.)
- General Electric Company. (See Baum, Seymour L., assignor.)
- General Electric Company. (See Becker, Howard I., assignor.)
- General Electric Company. (See Beckert, Frank R., assignor.)
- General Electric Company. (See Bedford, Alda V., assignor.)
- General Electric Company. (See Beekman, Royce A., assignor.)
- General Electric Company. (See Belt, Thomas A. E., assignor.)
- General Electric Company. (See Beregkoff, Anatol P., assignor.)
- General Electric Company. (See Bergmans, J., and de Wit, assignors.)
- General Electric Company. (See Biermanns, Josef, assignor.)
- General Electric Company. (See Bird, Lester F., assignor.)
- General Electric Company. (See Blake, David K., assignor.)
- General Electric Company. (See Bliss, Edwin L. R., assignor.)
- General Electric Company. (See Bliss, Elmer F., assignor.)
- General Electric Company. (See Blomberg, Hermann, assignor.)
- General Electric Company. (See Blume, Louis F., assignor.)
- General Electric Company. (See Blume, L. F., and Dwyer, assignors.)
- General Electric Company. (See Boyajian, Aram, and Skeats, assignors.)
- General Electric Company. (See Boyer, Sylvester, assignor.)
- General Electric Company. (See Bradbury, Burke, assignor.)
- General Electric Company. (See Bradbury, B., and Roys, assignors.)
- General Electric Company. (See Brand, Frederick F., assignor.)
- General Electric Company. (See Brandenstein, Errol W., assignor.)
- General Electric Company. (See Brown, C. A., and Nielsen, assignors.)
- General Electric Company. (See Brown, George R., assignor.)
- General Electric Company. (See Brown, Harold W., assignor.)
- General Electric Company. (See Brown, Herbert D., assignor.)
- General Electric Company. (See Brückel, W., and Schimpf, assignors.)
- General Electric Company. (See Brückel, Waldemar, assignor.)
- General Electric Company. (See Burnham, Locke H., assignor.)
- General Electric Company. (See Butler, Henry E., assignor.)
- General Electric Company. (See Butzke, Gustav, assignor.)
- General Electric Company. (See Byrnes, Irving F., assignor.)
- General Electric Company. (See Cameron, Hugh J., assignor.)
- General Electric Company. (See Campbell, Arthur B., assignor.)
- General Electric Company. (See Campbell, N. R., and Eden, assignors.)
- General Electric Company. (See Carichoff, Eugene R., assignor.)
- General Electric Company. (See Carlson, George, assignor.)
- General Electric Company. (See Carlson, Wendell L., assignor.)
- General Electric Company. (See Carpenter, Charles F., assignor.)
- General Electric Company. (See Carpenter, C. F., and Bohn, assignors.)
- General Electric Company. (See Carpenter, Glenn W., assignor.)
- General Electric Company. (See Carter, E. F., and Allen, assignors.)
- General Electric Company. (See Carter, Emmett F., assignor.)
- General Electric Company. (See Case, Frank E., assignor.)
- General Electric Company. (See Caughey, Reed J., assignor.)
- General Electric Company. (See Chapman, Verni J., assignor.)
- General Electric Company. (See Charlton, Ernest E., assignor.)
- General Electric Company. (See Cherry, Robert M., assignor.)
- General Electric Company. (See Christopher, John H., assignor.)
- General Electric Company. (See Chutter, George A., assignor.)
- General Electric Company. (See Clark, Ernest W., assignor.)
- General Electric Company. (See Clark, Frank M., assignor.)
- General Electric Company. (See Clark, F. M., and Harding, assignors.)
- General Electric Company. (See Clark, Stanley A., assignor.)
- General Electric Company. (See Clark, Wallace S., assignor.)
- General Electric Company. (See Clough, F. H., and Taylor, assignors.)
- General Electric Company. (See Cohn, Alfred, assignor.)
- General Electric Company. (See Cohn, A., and Kummel, assignors.)
- General Electric Company. (See Collingham, Robert H., assignor.)
- General Electric Company. (See Cook, Ellsworth, D., assignor.)
- General Electric Company. (See Cox, David C., assignor.)
- General Electric Company. (See Crawford, Henry V., assignor.)
- General Electric Company. (See Craig, Charles W., assignor.)
- General Electric Company. (See Cree, George G., assignor.)
- General Electric Company. (See Crippen, Eugene G., assignor.)
- General Electric Company. (See Cumberland, John C., assignor.)
- General Electric Company. (See Dalton, William, assignor.)
- General Electric Company. (See Davis, Horace A., assignor.)
- General Electric Company. (See de Jong, Hendrik, assignor.)
- General Electric Company. (See De Reamer, Frank C., assignor.)
- General Electric Company. (See De Reamer, F. C., and Young, assignors.)
- General Electric Company. (See Devers, Philip K., assignor.)
- General Electric Company. (See Dewey, Ernest K., assignor.)
- General Electric Company. (See Dickinson, Wilbur K., assignor.)
- General Electric Company. (See Doebke, Willi, assignor.)
- General Electric Company. (See Dome, Robert B., assignor.)
- General Electric Company. (See Doran, John H., assignor.)
- General Electric Company. (See Dushman, Saul, assignor.)
- General Electric Company. (See Eaton, John, assignor.)
- General Electric Company. (See Eby, Eugene D., assignor.)
- General Electric Company. (See Ellis, Alvarado L. R., assignor.)
- General Electric Company. (See Evans, Earl R., assignor.)
- General Electric Company. (See Faus, Harold T., assignor.)
- General Electric Company. (See Finlayson, Frank E., assignor.)
- General Electric Company. (See Finney, Alfred C., assignor.)
- General Electric Company. (See Fisher, Frederick E., assignor.)
- General Electric Company. (See Fitz Gerald, Alan S., assignor.)
- General Electric Company. (See Foust, Clifford M., assignor.)
- General Electric Company. (See Frank, John J., assignor.)
- General Electric Company. (See Freiburghouse, Edward H., assignor.)
- General Electric Company. (See Frink, Frederick W., assignor.)
- General Electric Company. (See Fuller, Roger A., assignor.)
- General Electric Company. (See Fuller, Truman S., assignor.)
- General Electric Company. (See Fuller, T. S., and Basch, assignors.)
- General Electric Company. (See Fuwa, Kitsuzo, assignor.)
- General Electric Company. (See Gardiner, Paul C., assignor.)

- General Electric Company. (See Garrett, Charles R., assignor.)
- General Electric Company. (See Gates, Edwin F., assignor.)
- General Electric Company. (See Gay, Frazer W., assignor.)
- General Electric Company. (See Germain, Henry A., assignor.)
- General Electric Company. (See Gilson, Emery G., assignor.)
- General Electric Company. (See Gittings, William N., assignor.)
- General Electric Company. (See Godfrey, Frederick S., assignor.)
- General Electric Company. (See Gokhale, Shankar L., assignor.)
- General Electric Company. (See Goodwin, Victor E., assignor.)
- General Electric Company. (See Gosling, Joseph W., assignor.)
- General Electric Company. (See Gray, Alexander T., assignor.)
- General Electric Company. (See Guay, E. J., and Godfrey, assignors.)
- General Electric Company. (See Guedon, Emile C., assignor.)
- General Electric Company. (See Hahn, William C., assignor.)
- General Electric Company. (See Hall, Chester I., assignor.)
- General Electric Company. (See Hall, Edward H., assignor.)
- General Electric Company. (See Halvorson, Cromwell A. B., assignor.)
- General Electric Company. (See Hamlyn, W. P., and Hunter, assignors.)
- General Electric Company. (See Hamner, Millard, J., assignor.)
- General Electric Company. (See Handschin, Eugen, assignor.)
- General Electric Company. (See Hardman, W. H., and Girvin, assignors.)
- General Electric Company. (See Hardy, A. C., and Cunningham, assignors.)
- General Electric Company. (See Harrington, Elliott D., assignor.)
- General Electric Company. (See Harris, Walter C., assignor.)
- General Electric Company. (See Hayman, William C., assignor.)
- General Electric Company. (See Hedlund, Erik W., assignor.)
- General Electric Company. (See Heisler, Charles L., assignor.)
- General Electric Company. (See Hendry, Johnson F., assignor.)
- General Electric Company. (See Hepperlen, John A., assignor.)
- General Electric Company. (See Hewlett, E. M., and Willard, assignors.)
- General Electric Company. (See Hildebrand, Lee E., assignor.)
- General Electric Company. (See Hilgers, Nino, assignor.)
- General Electric Company. (See Hilgers, N., and Stein, assignors.)
- General Electric Company. (See Hillebrand, Franz, assignor.)
- General Electric Company. (See Hilliard, John D., assignor.)
- General Electric Company. (See Hillner, Rudolph, assignor.)
- General Electric Company. (See Hirst, Franz, assignor.)
- General Electric Company. (See Hoare, Stephen C., assignor.)
- General Electric Company. (See Hobart, Henry M., assignor.)
- General Electric Company. (See Hoffmann, Bruno, assignor.)
- General Electric Company. (See Hollnagel, Herbert P., assignor.)
- General Electric Company. (See Hösel, Paul, assignor.)
- General Electric Company. (See Hough, Eugene L., assignor.)
- General Electric Company. (See Howe, John C., assignor.)
- General Electric Company. (See Hoxie, Charles A., assignor.)
- General Electric Company. (See Huber, H. J. H., and Trencham, assignors.)
- General Electric Company. (See Hull, Albert W., assignor.)
- General Electric Company. (See Hull, John I., assignor.)
- General Electric Company. (See Hull, J. I., and Robinson, assignors.)
- General Electric Company. (See Hurwitz, Eugen, assignor.)
- General Electric Company. (See Hutt, Leonard P., assignor.)
- General Electric Company. (See Illingworth, George, assignor.)
- General Electric Company. (See Ipsen, Carl L., assignor.)
- General Electric Company. (See Ipsen, C. L., Chapman, and Klein, assignors.)
- General Electric Company. (See Ives, Charles A., assignor.)
- General Electric Company. (See Ives, C. A., and Macloskie, assignors.)
- General Electric Company. (See Jamieson, Bertrand G., assignor.)
- General Electric Company. (See Janisch, L., and Welsch, assignors.)
- General Electric Company. (See Jewitt, Dennis E., assignor.)
- General Electric Company. (See Johnson, Wilber M., assignor.)
- General Electric Company. (See Jones, Benjamin W., assignor.)
- General Electric Company. (See Jones, William H., assignor.)
- General Electric Company. (See Jordan, H., and Goldschmidt, assignors.)
- General Electric Company. (See Kalschne, Georg, assignor.)
- General Electric Company. (See Keenan, William, assignor.)
- General Electric Company. (See Kell, Ray D., assignor.)
- General Electric Company. (See Kellogg, Edward W., assignor.)
- General Electric Company. (See Kempton, Leslie A., assignor.)
- General Electric Company. (See Kennedy, Luke F., assignor.)
- General Electric Company. (See Kienle, Roy H., assignor.)
- General Electric Company. (See Kienle, R. H., and Adams, assignors.)
- General Electric Company. (See Kinnard, Isaac F., assignor.)
- General Electric Company. (See Kinnard, I. F., and Faus, assignors.)
- General Electric Company. (See Kjolseth, Ole K., assignor.)
- General Electric Company. (See Klupfel, G., and Lincks, assignors.)
- General Electric Company. (See Köchling, Wilhelm, assignor.)
- General Electric Company. (See Koning, Willem, assignor.)
- General Electric Company. (See Konn, Felix, assignor.)
- General Electric Company. (See Krämer, Christian, assignor.)
- General Electric Company. (See Krape, Rudolph D., assignor.)
- General Electric Company. (See Lamb, G., and Kinnard, assignors.)
- General Electric Company. (See Langmuir, Irving, assignor.)
- General Electric Company. (See Langmuir, I., and Alexander, assignors.)
- General Electric Company. (See Lennox, Thomas C., assignor.)
- General Electric Company. (See Lewis, Edward H., assignor.)
- General Electric Company. (See Lewis, John O., assignor.)
- General Electric Company. (See Liddiard, Hugh W. C., assignor.)
- General Electric Company. (See Linn, Frank C., assignor.)
- General Electric Company. (See Loebe, W.-W., Ledig, and Asmussen, assignors.)
- General Electric Company. (See Long, Geary A., jr., assignor.)
- General Electric Company. (See Lum, Walter O., assignor.)
- General Electric Company. (See Lund, Hans, assignor.)
- General Electric Company. (See Lund, H., Laub, and Hirt, assignors.)
- General Electric Company. (See MacLeod, D. R., King, and Hough, assignors.)
- General Electric Company. (See Mallett, C. S., and Heimbuch, assignors.)
- General Electric Company. (See Marcellus, Frederick S., assignor.)
- General Electric Company. (See Matunaga, Yosinobu, assignor.)
- General Electric Company. (See McCrea, Hugh A., assignor.)
- General Electric Company. (See McCullough, Robert Y., assignor.)
- General Electric Company. (See McDonald, Gordon R., assignor.)
- General Electric Company. (See McLachlan, Willard J., assignor.)
- General Electric Company. (See McNairy, Jacob W., assignor.)
- General Electric Company. (See McNairy, J. W., and Tritle, assignors.)
- General Electric Company. (See Meador, Barclay F., assignor.)
- General Electric Company, The. (See Mellor, George A., assignor.)
- General Electric Company. (See Merrill, Wilbur L., assignor.)
- General Electric Company. (See Mischler, William N., assignor.)
- General Electric Company. (See Mitchell, Loris E., assignor.)
- General Electric Company. (See Moeger, Kurt, assignor.)
- General Electric Company. (See Montsinger, Vincent M., assignor.)

General Electric Company. (See Moody, Walter S., assignor.)
 General Electric Company. (See Morrill, Wayne J., assignor.)
 General Electric Company. (See Mullaney, Dudley A., assignor.)
 General Electric Company. (See Muller, Gustav, assignor.)
 General Electric Company. (See Murphy, Edwin J., assignor.)
 General Electric Company. (See Musgrove, John C., assignor.)
 General Electric Company. (See Myers, Thomas G., assignor.)
 General Electric Company. (See Nankivell, Frank J., assignor.)
 General Electric Company. (See Nerad, Anthony J., assignor.)
 General Electric Company. (See Neubert, Hans, assignor.)
 General Electric Company. (See Newkirk, Burt L., assignor.)
 General Electric Company. (See Nickle, Clifford A., assignor.)
 General Electric Company. (See Nixdorff, Samuel P., assignor.)
 General Electric Company. (See Noble, P. O., and Capp, assignors.)
 General Electric Company. (See Nolte, H. J., and Relyea, assignors.)
 General Electric Company. (See Nordlander, Birger W., assignor.)
 General Electric Company. (See O'Neil, James A., assignor.)
 General Electric Company. (See Otis, Albert N., assignor.)
 General Electric Company. (See Owens, Joseph W., assignor.)
 General Electric Company. (See Palmer, Robert, assignor.)
 General Electric Company. (See Park, Robert H., assignor.)
 General Electric Company. (See Parry, Robert D., assignor.)
 General Electric Company. (See Paul, William E., assignor.)
 General Electric Company. (See Payne, John H., assignor.)
 General Electric Company. (See Peek, Frank W., jr., assignor.)
 General Electric Company. (See Pestarin, Joseph M., assignor.)
 General Electric Company. (See Petch, Herbert S., assignor.)
 General Electric Company. (See Petch, H. S. and Wellings, assignors.)
 General Electric Company. (See Petch, H. S., and Wheatcroft, assignors.)
 General Electric Company. (See Pettit, Ward H., assignor.)
 General Electric Company. (See Phelps, Roscoe G., assignor.)
 General Electric Company. (See Pike, Otis W., assignor.)
 General Electric Company. (See Piloty, Hans, assignor.)
 General Electric Company. (See Pirani, Marcello, assignor.)
 General Electric Company. (See Place, Claude W., assignor.)
 General Electric Company. (See Potter, John E., assignor.)
 General Electric Company. (See Potter, William B., assignor.)
 General Electric Company. (See Price, David R., assignor.)
 General Electric Company. (See Prince, David C., assignor.)
 General Electric Company. (See Prince, David D., assignor.)
 General Electric Company. (See Prindle, Raymond B., assignor.)
 General Electric Company. (See Pritchard, Franklin H., assignor.)
 General Electric Company. (See Puffer, Samuel R., assignor.)
 General Electric Company. (See Radloff, Johannes, assignor.)
 General Electric Company. (See Rankin, William K., assignor.)
 General Electric Company. (See Read, John C., assignor.)
 General Electric Company. (See Regenstreif, Jakob, assignor.)
 General Electric Company. (See Reimann, Erich, assignor.)
 General Electric Company. (See Reist, Henry G., assignor.)
 General Electric Company. (See Reiter, Caspar, assignor.)
 General Electric Company. (See Reiter, C., and Stäger, assignor.)
 General Electric Company. (See Relyea, Walter I., assignor.)
 General Electric Company. (See Robinson, Lewis T., assignor.)
 General Electric Company. (See Rogers, Robert H., assignor.)
 General Electric Company. (See Rohkohl, Wilhelm, assignor.)

General Electric Company. (See Rosenberg, Friedrich, assignor.)
 General Electric Company. (See Rosenthal, Hans, assignor.)
 General Electric Company. (See Ruggles, William A., assignor.)
 General Electric Company. (See Runner, Claude C., assignor.)
 General Electric Company. (See Rupprecht, K., and Dietze, assignors.)
 General Electric Company. (See Sabbah, Camille A., assignor.)
 General Electric Company. (See St. Clair, Byron W., assignor.)
 General Electric Company. (See Sanderson, Clarence H., assignor.)
 General Electric Company. (See Sass, F., and Krauss, assignors.)
 General Electric Company. (See Sauer, Julius, assignor.)
 General Electric Company. (See Scarbrough, Harry E., assignor.)
 General Electric Company. (See Schiebeler, Carl, assignor.)
 General Electric Company. (See Schigyo, Iwane, assignor.)
 General Electric Company. (See Schmidt, Johannes, assignor.)
 General Electric Company. (See Schroeder, Oscar C., assignor.)
 General Electric Company. (See Schröter, Karl, assignor.)
 General Electric Company. (See Schwartz, E. W., and Kalmer, assignors.)
 General Electric Company. (See Schwennker, Charles F., assignor.)
 General Electric Company. (See Seede, John A., assignor.)
 General Electric Company. (See Seeley, Harold T., assignor.)
 General Electric Company. (See Seiz, Walter, assignor.)
 General Electric Company. (See Selby, Eugene O., assignor.)
 General Electric Company. (See Serduke, James T., assignor.)
 General Electric Company. (See Sims, William J., assignor.)
 General Electric Company. (See Singleton, Harold C., assignor.)
 General Electric Company. (See Sittel, Alfred, assignor.)
 General Electric Company. (See Skaupy, F., Ewest, Pulfrich, and Schallreutter, assignors.)
 General Electric Company. (See Small, Guy O., assignor.)
 General Electric Company. (See Smith, Arthur R., assignor.)
 General Electric Company. (See Smith, A., and Matson, assignors.)
 General Electric Company. (See Spitzer, Edwin E., assignor.)
 General Electric Company. (See Splittberger, Arthur, assignor.)
 General Electric Company. (See Sprenger, George W., assignor.)
 General Electric Company. (See Spurck, Robert M., assignor.)
 General Electric Company. (See Stack, George E., assignor.)
 General Electric Company. (See Standerwick, Reginald G., assignor.)
 General Electric Company. (See Steenstrup, Christian, assignor.)
 General Electric Company. (See Stephenson, Hugh M., assignor.)
 General Electric Company. (See Stern, Georg, assignor.)
 General Electric Company. (See Stevenson, Alexander R., jr., assignor.)
 General Electric Company. (See Stone, Fred L., assignor.)
 General Electric Company. (See Summerhayes, Henry R., assignor.)
 General Electric Company. (See Sweeny, Carey P., assignor.)
 General Electric Company. (See Taylor, Laurens A., assignor.)
 General Electric Company. (See Tear, James D., assignor.)
 General Electric Company. (See Thompson, Harry C., assignor.)
 General Electric Company. (See Thompson, Louis W., assignor.)
 General Electric Company. (See Thomson, Elihu, assignor.)
 General Electric Company. (See Thomson, E., and Alexander, assignors.)
 General Electric Company. (See Thumim, Carl, assignor.)
 General Electric Company. (See Tinnerholm, Arthur R., assignor.)
 General Electric Company. (See Tolson, William A., assignor.)
 General Electric Company. (See Tovey, G. H., and Thumim, assignors.)
 General Electric Company. (See Townsend, George R., assignor.)
 General Electric Company. (See Traver, Oliver C., assignor.)
 General Electric Company. (See Treanor, Edward D., assignor.)

- General Electric Company. (See Trencham, Henry, assignor.)
- General Electric Company. (See Trencham, H., Heath, Hamlyn, and Cox, assignors.)
- General Electric Company. (See Tritle, John F., assignor.)
- General Electric Company. (See Trombetta, Panfilo, assignor.)
- General Electric Company. (See Tschopp, Jacob, assignor.)
- General Electric Company. (See Turner, Harry W., assignor.)
- General Electric Company. (See Turner, Otis E., assignor.)
- General Electric Company. (See Unger, Magnus, assignor.)
- General Electric Company. (See Van Amburg, Otto H., assignor.)
- General Electric Company. (See Van Der Bogart, James, assignor.)
- General Electric Company. (See Ver Planck, William E., assignor.)
- General Electric Company. (See Vickery, Harry W., assignor.)
- General Electric Company. (See Vienneau, Jacob J., assignor.)
- General Electric Company. (See Voorhoeve, Nicolaas A. J., assignor.)
- General Electric Company. (See Wachsmann, Paul, assignor.)
- General Electric Company. (See Wallie, Ludwig, assignor.)
- General Electric Company. (See Waltemath, Adolf, assignor.)
- General Electric Company. (See Warner, John C., assignor.)
- General Electric Company. (See Warren, Glenn B., assignor.)
- General Electric Company. (See Warren, Henry E., assignor.)
- General Electric Company. (See Watts, Noble H., assignor.)
- General Electric Company. (See Weiler, Wilhelm, assignor.)
- General Electric Company. (See Weiske, P., and Rupprecht, assignors.)
- General Electric Company. (See Wellings, J. G., and Mayo, assignors.)
- General Electric Company. (See Weston, Frederick H., assignor.)
- General Electric Company. (See Whelan, Dow O., assignor.)
- General Electric Company. (See Whitaker, Frank P., assignor.)
- General Electric Company. (See Whitaker, F. P., and Sarjeant, assignors.)
- General Electric Company. (See White, William C., assignor.)
- General Electric Company. (See Whitney, Willis R., assignor.)
- General Electric Company. (See Wiegand, Kurt, assignor.)
- General Electric Company. (See Wieseman, Robert W., assignor.)
- General Electric Company. (See Wildeboer, Marinus, assignor.)
- General Electric Company. (See Willard, Waldo W., assignor.)
- General Electric Company. (See Winter, Fred H., assignor.)
- General Electric Company. (See Witherow, Harry M., assignor.)
- General Electric Company. (See Wood, Alexander P., assignor.)
- General Electric Company. (See Wright, Daniel K., assignor.)
- General Electric Company. (See Wright, James G. E., assignor.)
- General Electric Company. (See Yokota, Isao, assignor.)
- General Electric Company. (See Yoshiyasu, Kyohei, assignor.)
- General Electric Company. (See Young, A. P., and Butcher, assignors.)
- General Electric Company. (See Young, A. P., and Hutt, assignors.)
- General Electric Company. (See Zabel, William P., assignor.)
- General Electric Company. (See Zelt, Elmer J., assignor.)
- General Electric Company. (See Zimmerman, Arthur G., assignor.)
- General Electric Company Limited. (See Bartlett, Albert C., assignor.)
- General Electric Vapor Lamp Company. (See Buttolph, Leroy J., assignor.)
- General Electric Vapor Lamp Co. (See Foulke, Ted E., assignor.)
- General Electric Vapor Lamp Company. (See Moehler, Otto J., assignor.)
- General Electric Vapor Lamp Company. (See Walker, Warren R., assignor.)
- General Engineering and Investment Company, Limited. (See van der Kloet, W. J., and Stift, assignors.)
- General Fire Extinguisher Company. (See Loeppinger, A. J., and Knight, assignors.)
- General Fire Extinguisher Company. (See Moulder, Albert W., assignor.)
- General Fireproofing Company, The. (See Caldwell, John R., assignor.)
- General Fireproofing Company. (See Gourley, Glenn T., assignor.)
- General Foods Corporation. (See Bender, W. A., and Loesch, assignors.)
- General Foods Corporation. (See Loesch, Hugo G., assignor.)
- General Gas Light Company. (See Humphrey, Hubert R., assignor.)
- General Gas Light Company. (See Humphrey, Hubert R. and G. A., assignors.)
- General Ice Cream Corporation. (See Cornell, H. L., and McPartland, assignors.)
- General Ice Scoring Machine Company, The. (See Roark, Robert H., assignor.)
- General Industries Company, The. (See Bonsieur, Le, assignor.)
- General Industries Company, The. (See Swanson, John G., assignor.)
- General Iron Works Company, The. (See Reuss, Arthur E., assignor.)
- General Laboratories, Inc. (See Yates, John W., assignor.)
- General Machinery Corporation. (See Byerlein, Arthur A., assignor.)
- General Machinery Corporation. (See Cole, Lyndon C., assignor.)
- General Machinery Corporation. (See Deale, Robert C., assignor.)
- General Machinery Corporation. (See Greenleaf, C. E., and Deale, assignors.)
- General Machinery Corporation. (See Randolph, Clifford F., assignor.)
- General Mill Equipment Company. (See Cornelius John W., assignor.)
- General Mills, Inc. (See Anderson, Helmer, assignor.)
- General Motors Corporation. (See Armitage, Sylvester, assignor.)
- General Motors Corporation. (See Arnold, Charles F., assignor.)
- General Motors Corporation. (See Belden, Clements G., assignor.)
- General Motors Corporation. (See Benica, C. W., and Brittain, assignors.)
- General Motors Corporation. (See Beringer, Roscoe, assignor.)
- General Motors Corporation. (See Blackmore, Lloyd, assignor.)
- General Motors Corporation. (See Boca, Joseph, assignor.)
- General Motors Corporation. (See Bock, C. J., and Tenney, assignors.)
- General Motors Corporation. (See Bolles, J. H., and Pearson, assignors.)
- General Motors Corporation. (See Brittain, Richard J., jr., assignor.)
- General Motors Corporation. (See Brittain, R. J., jr., and Chapman, assignors.)
- General Motors Corporation. (See Brittain, R. J., jr., and Hutchinson, assignors.)
- General Motors Corporation. (See Cataline, B., and Richard, assignors.)
- General Motors Corporation. (See Chalmers, Raymond W., assignor.)
- General Motors Corporation. (See Chapman, William H., assignor.)
- General Motors Corporation. (See Church, Harold D., assignor.)
- General Motors Corporation. (See Conway, Bert, assignor.)
- General Motors Corporation. (See Cram, Leroy V., assignor.)
- General Motors Corporation. (See Cramer, Raymond H., assignor.)
- General Motors Corporation. (See Crawford, Charles S., assignor.)
- General Motors Corporation. (See Crawford, James M., assignor.)
- General Motors Corporation. (See Cronwall, Carl G., assignor.)
- General Motors Corporation. (See Curphey, Leonard E., assignor.)
- General Motors Corporation. (See Davidson, W. J., and Blackmore, assignors.)
- General Motors Corporation. (See Davis, W. L., and Whyte, assignors.)
- General Motors Corporation. (See Denyes, Harry M., assignor.)
- General Motors Corporation. (See Drangeid, Ragnvald, assignor.)
- General Motors Corporation. (See Drew, Harold, assignor.)
- General Motors Corporation. (See Earl, Harley J., assignor.)
- General Motors Corporation. (See Earl, H. J., Pew, and Tjaarda, assignors.)
- General Motors Corporation. (See Ellis, Forrest T., assignor.)
- General Motors Corporation. (See Falge, Robert N., assignor.)

- General Motors Corporation. (See Frehse, Albert W., assignor.)
 General Motors Corporation. (See Frehse, A. W., and Bel-den, assignors.)
 General Motors Corporation. (See Forbes, Kingston, assignor.)
 General Motors Corporation. (See Gibbons, H. R., and Wells, assignors.)
 General Motors Corporation. (See Golden, Harry S., assignor.)
 General Motors Corporation. (See Green, John T., assignor.)
 General Motors Corporation. (See Harris, Mark B., assignor.)
 General Motors Corporation. (See Hebert, Fred C., assignor.)
 General Motors Corporation. (See Hebner, Arthur, assignor.)
 General Motors Corporation. (See Hess, Herman O., assignor.)
 General Motors Corporation. (See Holzhauer, Philo J., assignor.)
 General Motors Corporation. (See House, Bryan E., assignor.)
 General Motors Corporation. (See Hunt, O. E., and Geis-tert, assignors.)
 General Motors Corporation. (See Hutchinson, Roland V., assignor.)
 General Motors Corporation. (See Jansson, Axel J., assignor.)
 General Motors Corporation. (See Jones, Joseph W., assignor.)
 General Motors Corporation. (See Kelley, Oliver K., assignor.)
 General Motors Corporation. (See Kettering, Charles F., assignor.)
 General Motors Corporation. (See King, Clarence E., assignor.)
 General Motors Corporation. (See Kjellberg, Anders W., assignor.)
 General Motors Corporation. (See Lampman, George W., assignor.)
 General Motors Corporation. (See Landers, Charles H., assignor.)
 General Motors Corporation. (See Lawton, Stuart R., assignor.)
 General Motors Corporation. (See Liebermann, Paul B., assignor.)
 General Motors Corporation. (See Linn, C. W., Bigelow, and Raiche, assignors.)
 General Motors Corporation. (See Main, Frank L., assignor.)
 General Motors Corporation. (See Manning, William H., assignor.)
 General Motors Corporation. (See McCuen, Charles L., assignor.)
 General Motors Corporation. (See Midgley, Thomas, jr., assignor.)
 General Motors Corporation. (See Morgan, Harry, assignor.)
 General Motors Corporation. (See Mueller, Theodore M., assignor.)
 General Motors Corporation. (See Neef, Robert, assignor.)
 General Motors Corporation. (See Norviel, Harry E., assignor.)
 General Motors Corporation. (See Olivier, Herman C., assignor.)
 General Motors Corporation. (See Parker, Guy E., assignor.)
 General Motors Corporation. (See Prescott, Frank H., assignor.)
 General Motors Corporation. (See Russell, Bert, assignor.)
 General Motors Corporation. (See Schmidt, Frank W., assignor.)
 General Motors Corporation. (See Schwager, Henry A., assignor.)
 General Motors Corporation. (See Schwarze, Herman, assignor.)
 General Motors Corporation. (See Short, Charles R., assignor.)
 General Motors Corporation. (See Spencer, Louis M., assignor.)
 General Motors Corporation. (See Sterling, Claude H., assignor.)
 General Motors Corporation. (See Stevens, H. C. M., and Hutchinson.)
 General Motors Corporation. (See Stranahan, Samuel A., assignor.)
 General Motors Corporation. (See Strickland, William R., assignor.)
 General Motors Corporation. (See Summers, Caleb E., assignor.)
 General Motors Corporation. (See Tanner, Floyd O., assignor.)
 General Motors Corporation. (See Taub, Alex, assignor.)
 General Motors Corporation. (See Taylor, Paul B., assignor.)
 General Motors Corporation. (See Tenney, Perry L., assignor.)
 General Motors Corporation. (See Tenney, P. L., and Fidler, assignors.)
 General Motors Corporation. (See Thompson, Earl A., assignor.)
 General Motors Corporation. (See Tormyn, Herman, assignor.)
 General Motors Corporation. (See Trumble, John T., assignor.)
 General Motors Corporation. (See Ward, G. D. and Chap-man, assignors.)
 General Motors Corporation. (See Wells, Reginald E., assignor.)
 General Motors Corporation. (See Williams, James F., assignor.)
 General Motors Corporation. (See Wilson, John F., assignor.)
 General Motors Corporation. (See Wood, J. G., and Alfes, assignors.)
 General Motors Radio Corporation. (See Marvel, Orin E., assignor.)
 General Motors Research Corporation. (See Almen, John O., assignor.)
 General Motors Research Corporation. (See Almen, J. O., and Rasmussen, assignors.)
 General Motors Research Corporation. (See Blackmore, Lloyd, assignor.)
 General Motors Research Corporation. (See Boegehold, Alfred L., assignor.)
 General Motors Research Corporation. (See Boegehold, A. L., and Short, assignors.)
 General Motors Research Corporation. (See Chase, Ther-on, P., assignor.)
 General Motors Research Corporation. (See Dirkes, V. M., and Terna, assignors.)
 General Motors Research Corporation. (See Earnshaw, W. B., and Janeway, assignors.)
 General Motors Research Corporation. (See Falge, Robert N., assignor.)
 General Motors Research Corporation. (See Hallett, George E. A., assignor.)
 General Motors Research Corporation. (See Hunt, John H., assignor.)
 General Motors Research Corporation. (See Hutchinson, Roland V., assignor.)
 General Motors Research Corporation. (See Kettering, C. E., and Short, assignors.)
 General Motors Research Corporation. (See King, J. G., and Hull, assignors.)
 General Motors Research Corporation. (See Lee, Charles L., assignor.)
 General Motors Research Corporation. (See Midgley, T., jr., and Hochwalt, assignors.)
 General Motors Research Corporation. (See Mougey, Harry C., assignor.)
 General Motors Research Corporation. (See Moyse, Wil-liam H., assignor.)
 General Motors Research Corporation. (See Ormsby, D. D., and Swinscoe, assignors.)
 General Motors Research Corporation. (See Phillips, Wil-liam M., assignor.)
 General Motors Research Corporation. (See Schluchter, Alfred W., assignor.)
 General Motors Research Corporation. (See Short, Charles R., assignor.)
 General Motors Research Corporation. (See Short, C. R., and Lee, assignors.)
 General Motors Research Corporation. (See Shutts, Leroy W., assignor.)
 General Motors Research Corporation. (See Sterling, Claude H., assignor.)
 General Motors Research Corporation. (See Summers, Caleb E., assignor.)
 General Motors Research Corporation. (See Summers, C. E., and Lampman, assignors.)
 General Motors Research Corporation. (See Van Degrift, Thomas C., assignor.)
 General Motors Research Corporation. (See Wallace, Hugh, assignor.)
 General Motors Research Corporation. (See Williams, Harry M., assignor.)
 General Motors Research Corporation. (See Williams, H. M., and Boegehold, assignors.)
 General Motors Research Corporation. (See Williams H. M., and Lee, assignors.)
 General Motors Research Corporation. (See Williams, H. M., and Suman, assignors.)
 General Motors Research Corporation. (See Wirshing, R. J., and Faas, assignors.)
 General Motors Research Corporation. (See Wood, Walter A., assignor.)
 General Motors Research Corporation. (See Worbois, Homer L., assignor.)
 General Nut Company. (See Sawin, Lester M., as-signor.)
 General Oil Products Company. (See Brink, W., and Hess, assignors.)
 General Optical Company. (See Clement, Hans, assignor.)
 General Ordnance Corporation. (See Spear, L. Y., and Caulkins, assignors.)
 General Paint Corporation. (See Jansen, Emile, as-signor.)
 General Paint Corporation. (See Kramer, Herman, as-signor.)
 General Petroleum Corporation of California. (See Telts-worth, Clark S., assignor.)
 General Plastics, Inc. (See Dent, H. M., and Less, as-signors.)

- General Railway Signal Company. (See Banner, Frank H., assignor.)
- General Railway Signal Company. (See Brown, Ned C. L., assignor.)
- General Railway Signal Company. (See Bushnell, Charles S., assignor.)
- General Railway Signal Company. (See Carter, Ainslie T., assignor.)
- General Railway Signal Company. (See Carter, Paul E., assignor.)
- General Railway Signal Company, The. (See Christoffer-son, Christian A., assignor.)
- General Railway Signal Company. (See Cloud, Wilbur D., assignor.)
- General Railway Signal Company. (See Day, Salisbury M., assignor.)
- General Railway Signal Company. (See Dodgson, Frank L., assignor.)
- General Railway Signal Company. (See Field, Oscar S., assignor.)
- General Railway Signal Company. (See Hailes, William D., assignor.)
- General Railway Signal Company. (See Howe, Winthrop K., assignor.)
- General Railway Signal Company. (See Leake, Richard C., assignor.)
- General Railway Signal Company. (See Merkel, Joseph F., assignor.)
- General Railway Signal Company. (See Nein, William C., assignor.)
- General Railway Signal Company. (See Ober, Hermon P., assignor.)
- General Railway Signal Company. (See Osborne, John L., assignor.)
- General Railway Signal Company. (See Peabody, James A., assignor.)
- General Railway Signal Company. (See Prescott, Charles W., assignor.)
- General Railway Signal Company. (See Preston, Neil D., assignor.)
- General Railway Signal Company. (See Reichard, Wade H., assignor.)
- General Railway Signal Company, The. (See Richmond, Carl A., assignor.)
- General Railway Signal Company. (See Ross, Oscar A., assignor.)
- General Railway Signal Company. (See Stephenson, James E., assignor.)
- General Railway Signal Company. (See Taylor, Herbert B., assignor.)
- General Railway Signal Company. (See Twitchell, Mor- ton C., assignor.)
- General Railway Signal Company. (See Varley, T. W., and Nein, assignors.)
- General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
- General Railway Signal Company. (See Willing, Joseph E., assignor.)
- General Reduction Corporation. (See Smith, William H., assignor.)
- General Refractories Company. (See Trostel, Louis J., assignor.)
- General Rubber Company. (See Esselen, G. J., jr., and Rose, assignors.)
- General Rubber Company. (See Gibbons, Willis A., as- signor.)
- General Rubber Company. (See Hopkinson, E., and Gib- bons, assignors.)
- General Rubber Company. (See Rose, R. P., and Cude, assignors.)
- General Salt Company. (See Girvin, Charles W., as- signor.)
- General Seafoods Corporation. (See Barry, James J., as- signor.)
- General Sewer Flusher Company. (See Maddox, Robert A., assignor.)
- General Spring Bumper Corporation. (See Dount, Owen, assignor.)
- General Spring Bumper Corporation. (See Goodrich, Fran- cis H., assignor.)
- General Spring Bumper Corporation. (See Goodrich, F. H., and Keelor, assignors.)
- General Spring Bumper Corporation. (See Hanley, John A., assignor.)
- General Spring Bumper Corporation. (See Jandus, Her- bert S., assignor.)
- General Spring Bumper Corporation. (See Jandus, H. S., and Keelor, assignors.)
- General Steel Castings Corporation. (See Ashe, William O., assignor.)
- General Steel Castings Corporation. (See Driemeyer, G. F., and Jackson, assignors.)
- General Steel Castings Corporation. (See Jackson, Ed- win C., assignor.)
- General Steel Castings Corporation. (See Jackson, Ora S., assignor.)
- General Steel Castings Corporation. (See Lentz, William L., assignor.)
- General Steel Castings Corporation. (See McKee, Neal T., assignor.)
- General Steel Castings Corporation. (See Pfager, Harry M., assignor.)
- General Steel Castings Corporation. (See Sheehan, Wil- liam M., assignor.)
- General Steel Castings Corporation. (See Travilla, James C., jr., assignor.)
- General Steel Castings Corporation. (See Westlake, Charles T., assignor.)
- General Street Signal Corporation. (See Ruddick, John J., assignor.)
- General Talking Picture Corporation. (See de Forest, Lee, assignor.)
- General Talking Pictures Corporation. (See de Forest, L., and Halpenny, assignors.)
- General Talking Pictures Corporation. (See Ebeling, Charles W., assignor.)
- General Tire & Rubber Company, The. (See Denmire, Harold A., assignor.)
- General Tire & Rubber Company, The. (See Remark, Isl- dore J., assignor.)
- General Zeolite Company. (See Behrman, Abraham S., assignor.)
- General Zeolite Company. (See Green, Walter H., as- signor.)
- Genest, Joseph A. A., Montreal, Quebec, Canada. Illumi- nated wind wheel. 1,747,433; Feb. 18.
- Genest, Werner, Berlin-Lichterfelde, Germany, assignor to The Korfund Company, Inc., New York, N. Y. Sound- deadening plate and making same. 1,751,320; Mar. 18.
- Genesey Electric Lantern Company. (See Patche, Henry B., assignor.)
- Genett, William M., Milwaukee, Wis. Ventilator. 1,778,591; Oct. 14.
- Genève, Frédéric. (See Pepinster, E. L. H., and Genève.)
- Genkin, Vladimir, Marseille, France. Protective system. 1,752,947; Apr. 1.
- Genkin, Vladimir, Marseille, France. Protective system. 1,764,399; June 17.
- Genkin, Vladimir, Marseille, France. Protective system. 1,764,400; June 17.
- Gensecke, Wilhelm, Bad Homburg, Germany. Apparatus for purifying oils and fats in vacuo by means of steam or the like. 1,746,078; Feb. 4.
- Gensecke, Wilhelm, Bad Homburg, Germany. Distilla- tion. 1,771,561; July 29.
- Gent, Oscar L., Tulsa, Okla. Wall. 1,782,034; Nov. 18.
- Genter Thickener Company. (See Callow, John M., as- signor.)
- Genth, Wilfried, Cologne Stammheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of hollow bodies consisting of vulcanized rubber. 1,765,666; June 24.
- Gentile, Frank, and F. Maccarone, Brooklyn, N. Y. Re- movable top lift for shoes. 1,762,170; June 10.
- Gentile, John, Cleveland, Ohio. Concrete step. 1,756,351; Apr. 29.
- Gentile, Marino, et al. (See Von Winkler, Walter T., assignor.)
- Gentile, Marino, assignor of one-half to S. W. Weis and one-fourth to G. Pick, Chicago, Ill. Transparent sheet. 1,748,949; Mar. 4.
- Gentilini, Augusto. (See Papö, A., and Gentilini.)
- Gentilini, Augusto, assignor to Società Anonima Radio, Rome, Italy. Cinematographic machine. 1,749,026; Mar. 4.
- Gentle, William M., Los Angeles, Calif. Lubricator. 1,751,693; Mar. 25.
- Gentry, O. H., sr. (See McLaughlin, T., and Stone, as- signors.)
- Gentry, Oliver H., Rochester, N. Y. Scooter. 1,754,887; Apr. 15.
- Gentry, Robert R. (See Williamson, T. W., and Gentry.)
- Genung, George J. (See Deutsch, L., and Genung.)
- Geoffray, Henry G., Cleveland, Ohio. Wall structure and attachment. 1,787,038; Dec. 30.
- Geometric Tool Company, The. (See Breitenstein, Albert F., assignor.)
- Geophysical Exploration Company. (See Taylor, H. G., and Wengel, assignors.)
- Georg, Otto, Dusseldorf, Germany. Forging machine and the like. 1,749,334; Mar. 4.
- Georg, Otto, Herdecke, Germany. Frictional screw-spindle press. 1,783,115; Nov. 25.
- George, Charles L., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Base for cranes and the like. 1,749,183; Mar. 4.
- George, Charles L., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Bucket chain for ditching machines and the like. 1,760,489; May 27.
- George, Charles L., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Bucket cleaner. 1,764,949; June 17.
- George, Elgy J., Gary, Ind., assignor of one-half to C. T. Howland, Baltimore, Md. Ingot stripper. 1,760,054; May 27.
- George, Enoch, jr., assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft appliance for railway cars. 1,746,647; Feb. 11.
- George, Harman A., Petaluma, Calif. Switch. 1,784,930; Dec. 16.
- George, Harry H. (See Truett, V. S., and George.)
- George, Harry S., Massapequa, N. Y., assignor to Electro Metallurgical Company. Soldering. 1,753,509; Apr. 8.
- George, Harry S., Massapequa, N. Y., assignor to Electro Metallurgical Company. Illumination for microscopy. 1,784,425; Dec. 9.

- George, Henri, assignor to Societe Quartz & Silice, Paris, France. Manufacture of transparent used pure silica. 1,755,953; Apr. 22.
- George, James S., assignor to Scovill Manufacturing Company, Waterbury, Conn. Street marker. 1,776,660; Sept. 23.
- George, James S. and R. S. Sperry, assignors to Scovill Manufacturing Company, Waterbury, Conn. Method of and apparatus for coating articles. 1,759,502; May 20.
- George, James S., and R. S. Sperry, assignors to Scovill Manufacturing Company, Waterbury, Conn. Coating metal articles. 1,783,188; Dec. 2.
- George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Looping trough for rolling mills. 1,752,841; Apr. 1.
- George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Rolling-mill housing and bearing construction. 1,762,292; June 10.
- George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Rolling-mill housing. 1,786,296; Dec. 23.
- George, Jerome R., and J. W. Sheperdson, assignors to Morgan Construction Company, Worcester, Mass. Rolling mill. 1,762,293; June 10.
- George, Pericles D. (See Flournoy, D. M., and George.)
- George, Ralph D., assignor to A. A. Kramer, Kansas City, Mo. Cellular-seal floating-deck tank. 1,775,758; Sept. 16.
- George, Richard W., Kelso, Tenn. Mower attachment. 1,786,487; Dec. 30.
- George, Robert B., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reactor structure. 1,747,507; Feb. 18.
- George, Ross F., Seattle, Wash. Pen. 1,747,700; Feb. 18.
- George, Ross F., Seattle, Wash. Lettering pen. 1,747,701; Feb. 18.
- George, Ross F., Seattle, Wash. Lettering and drawing pen. 1,774,262; Aug. 26.
- George, Stanley V. (See Packman, P. J., and George.)
- George, Walter F. C. (See Hall, J. A., and George.)
- George, Willis C., Long Beach, Calif. Hydraulic expanding underreamer. 1,785,949; Dec. 23.
- Georgi, Heinrich C., assignor to Deutsche Asbestwerke A.-G., Berlin-Zehlendorf, Germany. Brake block. 1,751,911; Mar. 25.
- Georgi, Heinrich C., Berlin-Zehlendorf-West, assignor to Deutsche Asbestwerke A.-G., Berlin-Zehlendorf, Germany. Friction block for brakes, friction clutches, and the like. 1,754,676; Apr. 15.
- Georgia Cushion and Wrapper Company. (See Woodall, John H., assignor.)
- Georgias, Basile J., Boston, Mass. Spark plug. 1,748,338; Feb. 25.
- Georgiou, Paul E., Bingham, Utah. Flushing for water-closets. 1,751,145; Mar. 18.
- Georgison, George C., San Francisco, Calif. Doorlock. 1,776,945; Sept. 30.
- Georgopoulos, Michael L., West Palm Beach, Fla. Bread slicer. 1,753,371; Apr. 8.
- Georgi, Ernst, Mannheim, Germany. Rotary tempering furnace. 1,784,427; Dec. 9.
- Gephart, Harry F., Chicago, Ill. Fishing rod. 1,785,027; Dec. 16.
- Geppert, Clark H., Des Moines, Iowa. Repairing apparel shoes. 1,786,907; Dec. 30.
- Geraci, Joseph A., jr., assignor of one-half to S. Campagna, jr., San Jose, Calif. Motion and direction signal. 1,745,091; Jan. 28.
- Gerard, Frank A., Duluth, Minn. Device for foot protection. 1,742,763; Jan. 7.
- Gerard, Roy H., San Francisco, Calif. Valve mechanism for internal-combustion engines. 1,754,888; Apr. 15.
- Gerber, Arthur B. (See Booth, C. F., Gerber, and Logue.)
- Gerber, Arthur B. (See Durgin, C. B., Gerber, and Logue.)
- Gerber, Ethel M. (See Wrighton, Margaret J., assignor.)
- Gerber, Ralph, Raymond, Wash. Double end drive reverse clutch. 1,785,548; Dec. 16.
- Gerberich, Clarence E., assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Shelving. 1,748,339; Feb. 25.
- Gerbracht, Wilford B., Ames, Iowa. Take-off and landing device for aeroplanes. 1,752,554; Apr. 1.
- Gericich, Frederick A., assignor to Hammer-Bray Company, Oakland, Calif. Gas-burner installation. 1,764,719; June 17.
- Gericich, Frederick A., assignor to Hammer-Bray Company, Oakland, Calif. Oven front structure and attaching means. 1,775,936; Sept. 16.
- Gericich, Frederick A., and W. S. Smith, assignors to Hammer-Bray Company, Oakland, Calif. Air-supplying means for closed-top gas-stove burners. 1,764,718; June 17.
- Gerdes, Frederick A., Algiers, La. Air brake. 1,773,990; Aug. 26.
- Gerdetz, Louis F., Pittsburgh, Pa. Mining prop. 1,770,978; July 22.
- Gerdetz, Louis F., Pittsburgh, Pa. Locking device for conveyor pans. 1,770,979; July 22.
- Gere, Ward N., Syracuse, assignor, by mesne assignments, to Eclipse Textile Devices Incorporated, Elmira Heights, N. Y. Apparatus for treating yarn in hollow mass formation. 1,759,157; May 20.
- Gere, Ward N., Syracuse, assignor, by mesne assignments, to Eclipse Textile Devices Incorporated, Elmira Heights, N. Y. Method and apparatus for perforating the cores of yarn packages. 1,762,222; June 10.
- Geremia, Alexander M., Waterbury, Conn. Automatic windshield wiper. 1,743,713; Jan. 14.
- Gergela, Louis, Chicago, Ill. Cleansing composition. 1,759,783; May 20.
- Gerhard, Julius W., assignor to Southern Acid and Sulphur Company, Inc., St. Louis, Mo. Pump. 1,772,862; Aug. 12.
- Gerhardt, Oscar, Berlin-Lichterfelde-Ost, Germany. Radiation apparatus. 1,753,885; Apr. 8.
- Gerhardt, Roy C., Lockport, N. Y. Insulator. 1,759,253; May 20.
- Gerhardt, William F., Dayton, Ohio. Sustaining wing structure. 1,779,842; Oct. 28.
- Gerhold, Charles M., New York, N. Y. Smoke-washing apparatus. 1,757,522; May 6.
- Gericke, William F., Berkeley, Calif. Fertilizing solution for seed treatment. 1,762,294; June 10.
- Gerlach, Charles W., Wheaton, assignor to Chicago Mill and Lumber Corporation, Chicago, Ill. Packing device. 1,783,079; Nov. 25.
- Gerlach, Erwin, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Diaphragm for electroacoustic apparatus. 1,749,635; Mar. 4.
- Gerlach, Erwin, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Process and apparatus for the production and reproduction of phonoflms. 1,767,790; June 24.
- Gerlach, Fred, et al., trustees. (See Graham, William S., assignor.)
- Gerlach, George R., and H. R. Arenton, Spokane, Wash. Float switch. 1,759,503; May 20.
- Gerlach, Oscar, Peru, assignor to Matthiessen & Hegeler Zinc Co., La Salle, Ill. Purifying zinc ore. 1,773,991; Aug. 26.
- Gerlach, Stephen G. Jr., Hartford, Conn. Vocalizing muffler. 1,776,584; Sept. 23.
- Gerling, Arthur A., New York, N. Y. Movable eye for dolls. 1,746,112; Feb. 4.
- Gerling, Fred A., Boise, Idaho. Double-acting lubricating pump. 1,773,669; Aug. 19.
- Gerlowski, Anthony, Chicago, Ill., assignor to The Rome Company, Inc. Connecting springs. 1,785,188; Dec. 16.
- Germain, Henry A., Pittsfield, Mass., assignor to General Electric Company. Autotransformer. 1,771,919; July 29.
- German, George B. (See Bartel, Erwin G., assignor.)
- Germanin, Fred, administrator. (See Guay, E. J., and Godfrey.)
- Germond, Henry S., jr. (See DeLamar, Rudolph, assignor.)
- Germont, Frank C., Spokane, Wash. Dispensing device. 1,775,719; Sept. 16.
- Gernandt Motor Corporation. (See Gernandt, Waldo G., assignor.)
- Gernandt Motor Corporation. (See Leonard, Howard M., assignor.)
- Gernandt, Waldo G., South Bend, Ind., assignor to Gernandt Motor Corporation, Chicago, Ill. Feeding fuel to an internal-combustion engine of the high-compression type. 1,751,989; Mar. 25.
- Gernandt, Waldo G., assignor to Gernandt Motor Corporation, South Bend, Ind. High-compression internal-combustion engine. 1,762,295; June 10.
- Geronimo, Vincent, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing loom. 1,777,357; Oct. 7.
- Gerosa, Carl N., Rochester, N. Y. Combined dish washing and drying machine. 1,755,539; Apr. 22.
- Gerow, John A., and A. C. Cannon, El Segundo, Calif. Flag-pole holder. 1,787,150; Dec. 30.
- Gerrard Company, The. (See Spoor, Ivan H., assignor.)
- Gerrard Company, Inc., The. (See Wright, Parvin, assignor.)
- Gerrond, James C., Hugoton, Kans. Swing. 1,757,423; May 6.
- Gerschefski, Otto J., assignor to The H. E. Rainaud Company, Meriden, Conn. Smoker's stand. 1,778,420; Oct. 14.
- Gershon, Nissim. (See Benbinisti, Albert, assignor.)
- Gershovitz, Barnett, Canton, Ohio. Floor mop. 1,776,853; Sept. 30.
- Gersman, Harvey M., Buffalo, N. Y., assignor to Kalnian Steel Company, Inc., Chicago, Ill. Corner bead. 1,748,284; Feb. 25.
- Gersmann, Silas, Pittsburgh, and B. I. Hayford, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Switch mechanism. 1,768,756; July 1.
- Gerst, Paul, Altstetten-Zurich, Switzerland. Automatic fire alarm. 1,747,068; Feb. 11.
- Gerstein, Harry. (See Wolfson, H., and Gerstein.)
- Gerstenkorn, Anthony, Brooklyn, N. Y. Spike-shaft rolled-beef machine. 1,773,581; Aug. 19.
- Gerstle, Justin, assignor to G. Hirsch Sons, Inc., New York, N. Y. Dispensing package. 1,779,843; Oct. 28.
- Gerth, Felix, assignor to C. Lorenz, Aktiengesellschaft, Berlin-Tempelhof, Germany. Short-wave generator. 1,754,749; Apr. 15.
- Gerth, Lewis W. (See Dailey, J. A., and Gerth.)
- Gertner, Joseph, Milwaukee, Wis. Dispensing device. 1,773,306; Aug. 19.
- Gervais, Wainwright B., Chicago, Ill. Iron supporting stand. 1,743,850; Jan. 14.

- Gervaise, Joseph T., et al. (See Gervaise, Theophile, assignor.)
- Gervaise, Theophile, assignor to J. T. Gervaise, and W. A. Fissette, Southbridge, Mass. Composition for laundry bluing. 1,775,195; Sept. 9.
- Gese, Robert, Jersey City, N. J. Collapsible shelf. 1,771,782; July 29.
- Gesell, William H., Montclair, N. J., assignor to D. Gray, New York, N. Y. Nail-polish-container set. Des. 82,218; Oct. 7.
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Herzog, Alf., assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kiehne, Erich, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leib, August, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Meissner, Alexander, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Mendel, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Michelssen, Fritz, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Moser, Wilhelm, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Moser, W., and Tod., assignors.)
- Gesellschaft für drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, M., and Kummich, assignors.)
- Gesellschaft für Elektrodenzerstaubung m. b. H. (See Pfanhauser, Wilhelm A. F., assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Reichel, Eugen, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, Wilhelm, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schaffer, Walter, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, F., Schriever, and Schnitzeler, assignors.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Arco, Georg, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Arco, George, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Bronk, Otto, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Korshenewsky, Nicolai, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Jobst, G., and Roder, assignors.)
- Gesellschaft für Drahtlose Telegraphie m. b. H., Hallesches. (See Meissner, Alexander, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Osnos, Mendel, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Runge, Wilhelm, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Schröter, Fritz, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Von Arco, Georg, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Esau, A., and Lange, assignors.)
- Gesellschaft für Kaltechemie G. m. b. H. (See Reinhart, Georg, jr., assignor.)
- Gesellschaft für Lindes Eismaschinen, A. G. (See Schufftan, Paul, assignor.)
- Gesnel, Charles A., Bourg, France. Sifting machine. 1,774,644; Sept. 2.
- Gessel, Benjamin M. (See Anderson, R. O., Rudy, and Gessel.)
- Gest, Guion M., Noroton, Conn. Underground conduit. 1,761,075; June 3.
- Gestetner, D., Limited. (See Clatworthy, John, assignor.)
- Gestetner, D., Limited. (See de Waele, Armand, assignor.)
- Gestetner, D., Limited. (See Gestetner, David, assignor.)
- Gestetner, David, Tottenham Hale, London, assignor to D. Gestetner, Limited, London, England. Manufacture of rollers and particularly rollers adapted for use as printing rollers. 1,771,562; July 29.
- Gestetner, David, Tottenham Hale, assignor to D. Gestetner, Limited, London, England. Duplicating with the aid of stencils. 1,771,563; July 29.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,744,626; Jan. 21.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Automatic safety switch. 1,759,395; May 20.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety switch. 1,761,117; June 3.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,771,214; July 22.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,783,421; Dec. 2.
- Getd, Phares A., Portland, Oreg. Marker for bank pass and other books and holder for checks of check folds. 1,754,093; Apr. 8.
- Getman, Orvin, Clearwater, Fla. Railway crossing. 1,766,379; June 24.
- Gettelman, Frederick, Milwaukee, Wis. Snowplow. 1,776,788; Sept. 30.
- Getz, Alfred C., Sidney, Ohio. Change-speed gearing for lathe heads. 1,752,249; Mar. 25.
- Getz, Benjamin E., Morton, Ill. Washing machine. 1,746,250; Feb. 11.
- Getz, Benjamin E., Morton, Ill. Laundry apparatus. 1,781,921; Nov. 18.
- Getz, Frank J., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Dish dispenser. 1,762,975; June 10.
- Geuder, Paeschke & Frey Company. (See Hois, Louis J., assignor.)
- Geuder, Paeschke & Frey Company. (See Kempter, Philipp, assignor.)
- Geuss, Paul S., Easton, Pa. Window-operating mechanism. 1,754,623; Apr. 15.
- Gevaert Photo Producten Naamlooze Vennootschap. (See Ausloos, K. J. E. A., and Duden, assignors.)
- Gewerkschaft Wallram Abteilung Metallwerke. (See Voigtländer, H., and Kaufels, assignors.)
- Gey, Frank J., jr. (See Gill, C. A., and Gey.)
- Geyer, Albert W., Chicago, Ill. Sound-recording machine. 1,764,786; June 17.
- Geyer, André, Paris, France. Aluminum alloy. 1,750,751; Mar. 18.
- Geyer, Benjamin F., and R. J. Jauch, assignors to Wayne Company, Fort Wayne, Ind. Visible flow indicator. 1,783,644; Dec. 2.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Molded-rubber running board for automobiles. 1,745,790; Feb. 4.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Nonmetallic shackle for cantilever-spring suspensions. 1,749,335; Mar. 4.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Refrigerator door of molded asphalt composition. 1,749,336; Mar. 4.
- Geyer, Harvey D., assignor to The Inland Manufacturing Corporation, Dayton, Ohio. Water-cooler cabinet. 1,749,337; Mar. 4.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Molded composition article. 1,750,302; Mar. 11.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Refrigerator-door construction. 1,753,567; Apr. 8.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Rubber spring shackle. 1,758,107; May 13.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,759,449; May 20.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Refrigerator cabinet. 1,761,013; June 3.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,761,525; June 3.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Shock-absorbing pitman arm. 1,761,526; June 3.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Shock-absorbing pitman arm. 1,761,527; June 3.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. One-piece rim and spider steering wheel. 1,785,897; Dec. 23.
- Geza, Frommer, Ujpest, assignor to Messrs. Diamant Samu és Fiai, Budapest, Hungary. Machine for ironing furs. 1,782,722; Nov. 25.
- Gfrorer, Albert H., assignor to The Automatic Transportation Company, Inc., Buffalo, N. Y. Conveying apparatus. 1,763,351; June 10.
- Gherassimoff, Nicolas, Asnieres, assignor to Societe d'Aver-tisseur Ferrovote, Paris, France. Automatic train signaling device for level crossings. 1,775,675; Sept. 16.
- Ghip, George. (See Kalo, Albert, assignor.)
- Ghirardi, Luigi, Genoa, Italy. Ship's lifeboat, raft, and like life-saving apparatus for use at sea. 1,746,769; Feb. 11.
- Ghrist, David M., Glendale, Calif. Mastoid headrest and clamp. 1,747,434; Feb. 18.
- Giacchino, Ezio, Turin, Italy, assignor to Societe Holding Des Brevets Et Procèdes Giacchino Pour L'Ebauchage Electrique, Societe Anonyme, Geneva, Switzerland. Apparatus and method for forging and roughing-out iron and steel bars by electricity. 1,772,444; Aug. 5.
- Giacomini, John, Rains, Utah. Miner's safety-lamp-attaching means. 1,746,113; Feb. 4.
- Giacomino, Joseph L., New Orleans, assignor of one-hundred per cent to C. W. Gibson, parish of Orleans, La. Gas burner. 1,782,683; Nov. 25.
- Giambertoni, Andrea, Milan, Italy. Floor brush with electrical drive. 1,770,643; July 15.
- Giampaoli, Joseph G., Baltimore, Md. Cylinder-position locator. 1,772,829; Aug. 12.
- Giampaoli, Joseph G., Elkridge, Md. Automobile radiator shutter. 1,785,482; Dec. 16.
- Giancola, Nicolas, assignor of one-half to R. L. McLaran, St. Louis, Mo. Garment-making machine. 1,784,687; Dec. 9.
- Gianera, Peter A., Torrance, Calif. Foot throttle. 1,782,035; Nov. 18.

- Giannattasio, Ettore F., New York, N. Y. Searchlight. 1,785,950; Dec. 23.
- Giant Grip Mfg. Co. (See Krug, W. H., and Akerberg, assignors.)
- Gibb, John A., assignor to Zieley Processes Corporation, New York, N. Y. Distillation apparatus. 1,755,778; Apr. 22.
- Gibb, William H., Bay City, Mich., assignor, by mesne assignments, to Thomson-Gibb Electric Welding Company. Seam-welding machine. 1,787,039; Dec. 30.
- Gibbons Brothers Limited. (See Moore, B. J., and Campbell, assignors.)
- Gibbons, Cedric, Santa Monica, R. T. Layton and J. Basevi, Los Angeles, assignors to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Method of and apparatus for creating marine effects. 1,779,766; Oct. 28.
- Gibbons, Charles J., Bridgeport, Conn. Rolling mill. 1,772,248; Aug. 5.
- Gibbons, Harold R., Chatham, and R. E. Wells, East Orange, N. J., assignors to General Motors Corporation, Detroit, Mich. Antifriction bearing. 1,772,346; Aug. 5.
- Gibbons, Richard, assignor to M. A. Kenney, Brooklyn, N. Y. Wind screen for airplane platforms. 1,749,338; Mar. 4.
- Gibbons, Willis A. (See Hopkinson, E., and Gibbons.)
- Gibbons, Willis A., Little Neck, assignor to General Rubber Company, New York, N. Y. Adhesive composition. 1,779,808; Oct. 28.
- Gibbons, Willis A., Little Neck, and T. V. Binmore, Long Island City, N. Y., assignors to The Mechanical Rubber Company, Cleveland, Ohio. Hard-rubber varnish, making same, and articles made therefrom. 1,745,533; Feb. 4.
- Gibbs, Edward F.-G., Detroit, Mich. Forming turning-tool holders. 1,771,709; July 29.
- Gibbs, Eugene U., and G. A. Jessop, York, Pa. Wicket gate for hydraulic turbines. 1,750,400; Mar. 11.
- Gibbs & Hill. (See Goldstone, Philip, assignor.)
- Gibbs, Jesse B., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Terminal block for current transformers. 1,786,746; Dec. 30.
- Gibbs, Leon M., Chicago, Ill., assignor, by mesne assignments, to Teleswitch Corporation. Method and apparatus for directing the switching of railway cars at yards and terminals. 1,753,602; Apr. 8.
- Gibbs, Richard, Phoenix, Ariz. Air or gas compressor. 1,778,357; Oct. 14.
- Gibbs, Robert C. (See King, C. G., and Gibbs.)
- Gibbs, Walter A., Holly Oak, Del. Trap for taking live animals. 1,765,144; June 17.
- Gibbs, William E., San Francisco, Calif., assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Metal-working file. 1,746,391; Feb. 11.
- Giberson, William P., Berkeley, Calif. Cigarette extinguisher. 1,778,998; Oct. 21.
- Giblin, Charles A. (See Newhall, H. B., Pleister, and Giblin.)
- Giblin, Charles A., Westfield, assignor to Henry B. Newhall Corporation, Garwood, N. J. Method and apparatus for treating hot-galvanized articles. 1,759,450; May 20.
- Giblin, Charles A., Westfield, assignor to Henry B. Newhall Corporation, Garwood, N. J. Galvanizing-rack centrifuge. 1,779,934; Oct. 28.
- Gibson, A. C., Company. (See Gibson, Edward D., assignor.)
- Gibson, Carl W. (See Giacomino, Joseph L., assignor.)
- Gibson, Carter C., assignor to The Two-Way Electric Grinder Company, Hamburg, Iowa. Grinding apparatus. 1,782,063; Nov. 18.
- Gibson, Charles J., Greenville, Mich. Device for making shaped pieces of ice. 1,785,078; Dec. 16.
- Gibson, Edward D., assignor to A. C. Gibson Company, Buffalo, N. Y. Sealing press. 1,744,114; Jan. 21.
- Gibson, Edward T., Miami, Fla. Motor-car-signal switch. 1,772,943; Aug. 12.
- Gibson, Edwin J., Olean, N. Y. Power steam-feed lever. 1,765,069; June 17.
- Gibson, Francis W., West Roxbury, Mass. Time indicator. 1,754,203; Apr. 8.
- Gibson, Francis W., West Roxbury, Mass., assignor to The H. D. Beach Company, Coshockton, Ohio. Display device. 1,754,199; Apr. 8.
- Gibson, Franklin C., Fairfax County, Va., assignor to Elliott-Fisher Company. Sheet-collating means. 1,764,509; June 17.
- Gibson, George H. D., Ottawa, Ontario, Canada. Music-instruction device. 1,783,361; Dec. 2.
- Gibson, George M., assignor to Woodrow Washing Machine Company, Pella, Iowa. Washing machine. 1,782,684; Nov. 25.
- Gibson, George M., assignor to Woodrow Washing Machine Company, Pella, Iowa. Gearing mechanism for washing machines. 1,784,282; Dec. 9.
- Gibson, Granville F., Shreveport, La. Vending machine. 1,780,124; Oct. 28.
- Gibson, John G., Ventnor City, N. J. Water grate. 1,742,908; Jan. 7.
- Gibson, John W., Oakland, Calif. Cigarette mouthpiece. 1,761,205; June 3.
- Gibson, Joseph F., York, Pa. Automatic circuit breaker. 1,777,665; Oct. 7.
- Gibson, Joseph R., Chicago, Ill. Razor-blade sharpener. 1,753,510; Apr. 8.
- Gibson, Louis D., assignor to W. F. Tubbs Company, Norway, Me. Ski binder. 1,754,422; Apr. 15.
- Gibson, Louis D., assignor to W. F. Tubbs Company, Norway, Me. Ski binding. 1,773,396; Aug. 19.
- Gibson, Marshall G., Webster Groves, assignor to Jas. H. Forbes Tea & Coffee Company, St. Louis, Mo. Display stand. 1,760,131; May 27.
- Gibson, Oliver E., assignor, by mesne assignments, to United States Gypsum Company, Chicago, Ill. Apparatus for slitting expanded sheets. 1,768,978; July 1.
- Gibson, Thomas L. (See Klausmeyer, D. C., and Gibson.)
- Gibson, Victor L., Los Angeles, Calif. Citrus-production device. 1,758,941; May 20.
- Gibson, Wilfrid, A. J. Hailwood, J. B. Payman, and A. Shepherdson, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, London, England. New naphthalene derivatives and their application in dye preparations. 1,776,970; Sept. 30.
- Gibson, Wilfrid, A. J. Hailwood, J. B. Payman, and A. Shepherdson, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, London, England. Application of new naphthalene derivatives to dye preparations. 1,777,038; Sept. 30.
- Gibson, Wilfrid, and C. R. Henshaw, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, Westminster, England. Purification of triaryl phosphates. 1,781,225; Nov. 11.
- Gibson, Wilfrid, C. R. Henshaw, and J. B. Payman, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Manufacture of triaryl phosphates. 1,785,951; Dec. 23.
- Gibson, Wilfrid, and J. B. Payman, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Manufacture of mono alkyl ethers of ethylene glycol. 1,774,089; Aug. 26.
- Gibson, William A., and J. G. Burke, Allentown, Pa., assignors, by mesne assignments, to Bradley Pulverizer Company. Roll-supporting construction for centrifugal-grinding mills. 1,748,414; Feb. 25.
- Gibson, William C., Chicago, Ill. Shut-off valve for iceless refrigerators. 1,747,359; Feb. 18.
- Gibson, William C., Chicago, Ill. Cooling-coil header for iceless refrigerators. 1,777,842; Oct. 7.
- Gidino, Giuseppe, Oxford, assignor of one-half to S. Cole, London, England. Device for supplying heavy liquid fuels to internal-combustion engines. 1,778,109; Oct. 14.
- Gidley, Columbus M., Corsicana, Tex. Pipe-handling apparatus for derricks. 1,750,798; Mar. 18.
- Gier, John R., jr. (See Baker, H. M., and Gier.)
- Giese, Raymond C. (See Pawlick, O. A., and Giese.)
- Giese, Richard S., Sewickley Heights Township, Pa. Goblet or similar article. Des. 81,974; Sept. 9.
- Giesecke, William E., assignor to Charles T. Wilson Company, Inc., New York, N. Y. Machine and process for cracking nuts. 1,781,838; Nov. 18.
- Gieselman, Edwin C., Benton, Ill. Cook stove. 1,776,756; Sept. 23.
- Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatically-controlled valve unit. Re17,696; June 10.
- Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Toy. Des. 81,328; June 10.
- Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Toy. Des. 81,578; July 15.
- Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Toy. Des. 81,579; July 15.
- Giesler, Jean V., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Valve mechanism. 1,784,053; Dec. 9.
- Giesler, Jean V., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatically-controlled valve mechanism. 1,784,054; Dec. 9.
- Giesler, Jean V., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatically-controlled valve mechanism. 1,784,055; Dec. 9.
- Giesler, Jean V., William W. Carson, jr., and T. R. Clark, assignors, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatically-controlled valve mechanism. 1,784,056; Dec. 9.
- Giesler, Jean V., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatically-controlled valve mechanism. 1,784,057; Dec. 9.
- Giesler, Jean V., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Thermostat support. 1,784,058; Dec. 9.
- Giesler, Jean V., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Thermostat support. 1,784,059; Dec. 9.
- Giesler, Jean V., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatically-controlled valve unit. 1,784,060; Dec. 9.
- Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatically-controlled valve mechanism. 1,784,061; Dec. 9.
- Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Temperature regulator. 1,784,062; Dec. 9.
- Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Temperature regulator. 1,784,063; Dec. 9.
- Glezenanner, Charles L., Montesano, Wash. Plant-treating apparatus. 1,781,004; Nov. 11.
- Giffen, Florin M., Union, N. J., assignor to Oxweld Acetylene Company. Blowpipe head. Des. 82,551; Nov. 18.

- Gifford, Albert J., and B. S. T. Bishop, Shrewsbury, assignors to Leland-Gifford Company, Worcester, Mass. Oil pump. 1,765,914; June 24.
- Gifford, Harold A., Fall River, Mass. Toy figure. Des. 81,580; July 15.
- Gifford-Wood Company. (See Erdman, George, assignor.)
- Gifford-Wood Company. (See Happel, Albert, assignor.)
- Gift, Glen E., Fairmount, Ind. Holding device for fishing poles or rods. 1,760,592; May 27.
- Gignac, Earle C., assignor of one-third to W. L. Stanley and one-third to E. J. Sloan, Bay City, Mich. Towline device. 1,771,082; July 22.
- Gilberg, Harry W., et al. (See Lieske, Frank J., assignor.)
- Gilbert, A. C., Company, The. (See Gilbert, Alfred C., assignor.)
- Gilbert, A. C., Company, The. (See Lanz, John, assignor.)
- Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to A. C. Gilbert Company, New Haven, Conn. Toy building construction. 1,758,887; May 13.
- Gilbert, Alfred C., Hamden, Conn., assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Construction toy. 1,760,638; May 27.
- Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Toy building construction. 1,763,300; June 10.
- Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Mixing device. 1,763,301; June 10.
- Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Construction toy. 1,763,302; June 10.
- Gilbert, Alfred C., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Drum for toy hoists. 1,777,666; Oct. 7.
- Gilbert, Alfred C., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Construction toy. 1,777,667; Oct. 7.
- Gilbert, Alfred C., North Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Mixing apparatus. 1,781,381; Nov. 11.
- Gilbert, Alfred C., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Ventilating device. 1,786,203; Dec. 23.
- Gilbert, Alva B., assignor to The Willys-Overland Company, Toledo, Ohio. Balancer for reciprocating engines. 1,762,860; June 10.
- Gilbert & Barker Manufacturing Company. (See Davis, John B., assignor.)
- Gilbert & Barker Manufacturing Company. (See Jacob, Herman A., assignor.)
- Gilbert & Barker Manufacturing Company. (See Spear, Leolyn F., assignor.)
- Gilbert & Barker Manufacturing Company. (See Townsend, William W., assignor.)
- Gilbert, Charles B., Burlington, N. J., assignor of one-half to J. G. Bosworth, New York, N. Y. Garment cover. 1,786,341; Dec. 23.
- Gilbert, Charles F., Fergus, Ontario, Canada. Breeding appliance. 1,747,702; Feb. 18.
- Gilbert, Clarence H. (See Mayeur, Jules, sr., assignor.)
- Gilbert, Edward L., Fort Bayard, N. Mex. Single-sleeve-valve engine. 1,749,701; Mar. 4.
- Gilbert, Edward L., Fort Bayard, N. Mex. Internal-combustion engine. 1,758,829; May 13.
- Gilbert, Ernest H. (See Coburn, W. H., and Kiernan, assignors.)
- Gilbert, Evangeline I., Rochester, N. Y. Medicated beauty ball. 1,748,762; Feb. 25.
- Gilbert, Florence L., Los Angeles, Calif. Sock. 1,767,666; June 24.
- Gilbert, George L., Lakewood, Ohio. Combined radio and phonograph cabinet. Des. 82,717; Dec. 2.
- Gilbert, H. Walter, et al. (See Anderson, Eugene, assignor.)
- Gilbert, Harry E., Bridgeport, Conn. Fire box for cast-iron boilers. 1,743,129; Jan. 14.
- Gilbert, Henry J., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Folding joint for braces and the like. 1,785,342; Dec. 16.
- Gilbert, Henry J., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Latch for folding braces. 1,785,343; Dec. 16.
- Gilbert, Israel B., Cincinnati, Ohio. Valve. 1,767,445; June 24.
- Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Duplex telegraph system for loaded cables. 1,753,336; Apr. 8.
- Gilbert, John J., Douglaston, assignor to Western Electric Company, Incorporated, New York, N. Y. Loaded signaling conductor. 1,762,976; June 10.
- Gilbert, John J., Douglaston, assignor to Western Electric Company, Incorporated, New York, N. Y. Loaded signaling conductor. 1,763,042; June 10.
- Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Loading of conductors. 1,763,043; June 10.
- Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling. 1,778,759; Oct. 21.
- Gilbert, John J., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine cable. 1,756,546; Apr. 29.
- Gilbert, John J., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Loaded signaling conductor and method of signaling. 1,763,041; June 10.
- Gilbert, Louis H., Hartford, Conn. Composing stick. 1,747,703; Feb. 18.
- Gilbert, Neville W., and A. E. Jabet, Birmingham, England. Oscillating electric fan. 1,757,797; May 6.
- Gilbert, Peter J., Manitowoc, Wis., assignor to A. A. Eisenman, Manitowoc, Wis. Rotary valve. 1,754,509; Apr. 15.
- Gilbert, Walton, Pasadena, Calif. Air-speed indicator. 1,786,841; Dec. 30.
- Gilbert, William L., Clock Company. (See Hoopes, Penrose R., assignor.)
- Gilbert, William L., Clock Company, The. (See Thompson, Norman F., jr., assignor.)
- Gilbert, William N., Hudson Heights, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,746,251; Feb. 11.
- Gilbert, William N., Hudson Heights, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,770,610; July 15.
- Gilbert, William N., Hudson Heights, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,777,881; Oct. 7.
- Gilburg, Roy O., assignor to Marathon Electric Mfg. Co., Wausau, Wis. Coin-controlled electric-switch-operating mechanism. 1,743,815; Jan. 14.
- Gilburg, Roy O., assignor to Marathon Electric Mfg. Co., Wausau, Wis. Coin-controlled switch-operating mechanism. 1,752,592; Apr. 1.
- Gilburg, Roy O., assignor to Marathon Electric Mfg. Co., Wausau, Wis. Short-circuiting switch. 1,761,786; June 3.
- Gilchrist, Agnes C., executrix. (See Gilchrist, Raymond B.)
- Gilchrist, Benjamin W. (See McCullough, J. F. K., and Gilchrist.)
- Gilchrist, Clarence F., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Driving mechanism. 1,776,115; Sept. 16.
- Gilchrist Company, The. (See Gilchrist, Raymond B., assignor.)
- Gilchrist Company, The. (See Jameson, Thomas, assignor.)
- Gilchrist, Dan H. (See Hill, Thomas, assignor.)
- Gilchrist, Raymond B., deceased, Newark, N. J., by A. C. Gilchrist, executrix, New York, N. Y., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,762,391; June 10.
- Gildea, Frank S. (See Pelton, William F., assignor.)
- Gilderman, George W., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Apparatus for making cores. 1,758,888; May 13.
- Gilderman, George W., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Core. 1,758,889; May 13.
- Gilderman, George W., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Making cores. 1,758,890; May 13.
- Giles, David, Chattanooga, Tenn., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Machine for boring out core sand from the bells of cast-iron pipes. 1,746,346; Feb. 11.
- Giles, Harvey, Brooklyn, N. Y., assignor to Artemus Ward, Inc. Vending machine. 1,749,579; Mar. 4.
- Giles, Harvey, Brooklyn, assignor to Artemus Ward, Inc., New York, N. Y. Coin-controlled vending machine. 1,763,352; June 10.
- Giles, Julian A., Derby, Conn. Wrench. 1,747,360; Feb. 18.
- Giles, Owen, London, England. Exhaust ventilator. 1,772,140; Aug. 5.
- Gillfillan, Dean M., et al. (See Lambert, William C., assignor.)
- Gillfillan, Lindsey. (See Catlett, Elsie, assignor.)
- Gillfillan Machine Works, Inc. (See Hixon, John F., assignor.)
- Gilger, George V., Cimarron, assignor of one-half to H. B. Marcum, Newton, Kans. Pick-up attachment for combines. 1,780,472; Nov. 4.
- Gilkerson, Francis M., Beloit, Wis. Cushioned shoe. 1,785,410; Dec. 16.
- Gilkerson, James F., Stillwater, Minn. Shoe. 1,751,990; Mar. 25.
- Gilkerson, James F., Milwaukee, Wis. Cushion shoe. 1,751,991; Mar. 25.
- Gill, Aaron H., West Haven, Conn. Electric switch for toy electric railways. 1,751,992; Mar. 25.
- Gill, Charles A. (See Robinson, Lester L., jr., assignor.)
- Gill, Charles A., Baltimore, Md., and F. J. Gey, jr., Pittsburgh, Pa. Punching machine. 1,756,119; Apr. 29.
- Gill, E. R., Battery Co. (See Gill, Edwin R., assignor.)
- Gill, Edwin R., jr., Yonkers, N. Y. Manifolding. 1,781,902; Nov. 18.
- Gill, Edwin R., Yonkers, assignor to E. R. Gill Battery Co., Inc., New York, N. Y. Electric-battery system. 1,781,005; Nov. 11.
- Gill, Ferdinand A., and A. Theobalt, Chicago, Ill. Button appliance. 1,779,125; Oct. 21.
- Gill Glass and Fixture Company. (See Aglow, Harry, assignor.)
- Gill, Harry, and O. R. Platter, North Vernon, Ind. Child's aeroplane swing. 1,763,510; June 10.

- Gill, Henry F., Pittsburgh, Pa. Valve. 1,781,224; Nov. 11.
- Gill, John O., Barnesboro, Pa. Switch-throw stand. 1,752,736; Apr. 1.
- Gill, Julius Q. (See French, Delbert H., assignor.)
- Gill, Julius Q., Peoria, Ill. Car walk. 1,773,482; Aug. 19.
- Gill Manufacturing Company. (See Smith, Alba J., assignor.)
- Gill, Mary E., St. Louis, Mo. Antitheft device for safes. 1,743,667; Jan. 14.
- Gill, Merle A., Kansas City, Mo. Manacle. 1,746,890; Feb. 11.
- Gill, Reuben O., Bloomfield, assignor to Packard Motor Car Company, Detroit, Mich. Assembling internal-combustion engines. 1,768,049; June 24.
- Gill Stella F., Kansas City, assignor to N. S. Hillyard, St. Joseph, Mo. Manacle. 1,780,473; Nov. 4.
- Gillam, Wallace R., Tallmadge, assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Rim. 1,769,219; July 1.
- Gillard, Sarah M., Huntington, W. Va. Kitchen sink. 1,767,874; June 24.
- Gillbee, Manuel T., assignor to A. M. Collins Manufacturing Company, Philadelphia, Pa. Window shade. 1,765,145; June 17.
- Gillberg, Gustaf S. (See Henze, P., and Gillberg.)
- Gillen, Daniel A., New York, N. Y. Alarm device. 1,776,221; Sept. 16.
- Gillon, George A., Jersey City, N. J., assignor, by mesne assignments, to Gillen, Kimmey, Baker Syndicate Inc., New York, N. Y. Ignition cut-out for internal-combustion motors. 1,745,754; Feb. 4.
- Gillen, Kimmey, Baker Syndicate Inc. (See Gillen, George A., assignor.)
- Gillentine, William A. (See Collins, E. R., Eberhart, and Gillentine.)
- Gillespie, Franklin S., Swarthmore, Pa. Glare-hazard-reducing device for vehicles. 1,777,520; Oct. 7.
- Gillespie, Harvey M., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,744,306; Jan. 21.
- Gillespie, John F. P., Montgomery, Ala. Steering gear. 1,760,749; May 27.
- Gillespie, Robert H., assignor to Mid-West Specialty Company, Little Rock, Ark. Liquid-reserve tank. 1,751,456; Mar. 18.
- Gillespie, William R., Chiswick, London, England. Internal-combustion engine. 1,744,161; Jan. 21.
- Gillet, Alexis F., assignor to Jubilee Manufacturing Company, Omaha, Nebr. Windshield wiper. 1,753,651; Apr. 8.
- Gillet, Alexis F., assignor to Jubilee Manufacturing Company, Omaha, Nebr. Broom holder. 1,779,427; Oct. 28.
- Gillet, Alexis F., assignor to Jubilee Manufacturing Company, Omaha, Nebr. Split segmental washer. 1,784,667; Dec. 9.
- Gillet, Alexis F., assignor to Jubilee Manufacturing Company, Omaha, Nebr. Blade-attaching means for windshield wipers. 1,787,068; Dec. 30.
- Gillett, Glenn D., Englewood, N. J., assignor to American Telephone and Telegraph Company. Automatic selection of receiving channels. 1,747,236; Feb. 18.
- Gillett, Harry S., deceased; I. L. Gillett, executrix, assignor to E. J. Elting, Chicago, Ill. Tube. 1,761,034; June 3.
- Gillett, Ida L., executrix. (See Gillett, Harry S.)
- Gillette, Avila C., Atlantic City, N. J. Incubator. 1,742,954; Jan. 7.
- Gillette, Frank, Genoa, and C. R. Pieper, La Crosse, Wis. Signal. 1,770,233; July 8.
- Gillette, Harry E., Lincoln, Nebr. Locomotive grid screening. 1,751,515; Mar. 25.
- Gillette, Maude M., New York, N. Y. Support for pictures, cards, etc. 1,752,297; Apr. 1.
- Gillette Rubber Company. (See Hirsch, A. C., and Krause, assignors.)
- Gillette Rubber Co. (See Hutchens, R. W., and Krause, assignors.)
- Gillette Rubber Company. (See Krause, Arnold R., assignor.)
- Gillette Rubber Company. (See Krause, A. R., and Hirsch, assignors.)
- Gillette Rubber Company. (See Krause, A. R., and Hutchens, assignors.)
- Gillette Safety Razor Company. (See Gaisman, Henry J., assignor.)
- Gillette Safety Razor Company. (See Nickerson, William E., assignor.)
- Gillette Safety Razor Company. (See Thompson, Ralph E., assignor.)
- Gillham, Robert, T. Addison, F. Wetzel, and G. Langen, assignors to The Cincinnati Planer Company, Cincinnati, Ohio. Control mechanism for metal planers. 1,760,639; May 27.
- Gilliam, James B., Kansas City, Mo. Waste-picking machine. 1,748,415; Feb. 25.
- Gillian, Herman, Columbus, Ohio. Glove. 1,774,093; Aug. 26.
- Gillies, Hugh, Detroit, Mich., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,768,900; July 1.
- Gilligan, Edward J., Croton-on-Hudson, and A. H. McLean, Ossining, N. Y. Track sander. 1,781,637; Nov. 11.
- Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence R. I. Twister ring and traveler. 1,748,710; Feb. 25.
- Gilligan, James J., assignor to H. K. King, New York, N. Y. Four-wire burglar-alarm system. 1,766,500; June 24.
- Gilligan, James P., and L. J. Whitmore, assignors of one-fourth to W. McMillen and one-fourth to W. L. Couthure, Toledo, Ohio. Carburetor. 1,769,948; July 8.
- Gilliland Company. (See Gilliland, Orra L., assignor.)
- Gilliland, Francis N. (See Oyster, E. F., and Gilliland.)
- Gilliland, Orra L., assignor to Gilliland Company, Minneapolis, Minn. Track frame for tractors. 1,772,714; Aug. 12.
- Gillinder Brothers, Inc. (See Reed, William F., assignor.)
- Gillinder, Edgar A., Philadelphia, Pa. Lighting fixture. 1,786,748; Dec. 30.
- Gillinder, Edgar A., assignor to Gillinder & Sons, Inc., Philadelphia, Pa. Gasoline-service-station globe and support therefor. 1,758,660; May 13.
- Gillinder, Edgar A., assignor to Gillinder & Sons, Inc., Philadelphia, Pa. Illuminating shade. 1,769,993; July 8.
- Gillinder & Sons, Inc. (See Beyer, Henry L., assignor.)
- Gillinder & Sons, Inc. (See Gillinder, Edgar A., assignor.)
- Gilling, Preston E., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,742,468; Jan. 7.
- Gilling, Preston E., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,769,130; July 1.
- Gilling, Preston E., East Orange, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,769,021; July 1.
- Gillingham, Charles A., Lakewood, Ohio, assignor to National Carbon Company, Inc. Electric battery. 1,758,362; May 13.
- Gillingham, Charles A., Lakewood, Ohio, assignor to National Carbon Company, Inc. Dry battery. 1,779,767; Oct. 28.
- Gillings, Charles, Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,769,056; July 1.
- Gillis, Charles L., Winnipeg, Manitoba, Canada. Curling stone. 1,772,804; Aug. 12.
- Gillis, Isidor. (See Projahn, Karl F., assignor.)
- Gillis, John H., Gainesville, Tex. Mop holder. 1,752,250; Mar. 25.
- Gillis, Lyle N., Rose Crest, Va., assignor of one-half to The Floorola Corporation, and one-half to E. J. Newcomer, Baltimore, Md. Floor-polishing machine. 1,748,548; Feb. 25.
- Gillis, Lyle N., Rose Crest, Va., assignor of one-half to The Floorola Corporation, and one-half to E. J. Newcomer, Baltimore, Md. Waxing attachment for floor polishers. 1,748,549; Feb. 25.
- Gillis, Lyle N., Rosecrest, Va., assignor to E. J. Newcomer, Baltimore, Md. Floor-polishing machine. 1,773,993; Aug. 26.
- Gillis, Lyle N., Alexandria, Va., assignor of one-half to The Floorola Corporation, Baltimore, Md., and one-half to E. J. Newcomer, Baltimore, Md. Floor polishing and scrubbing machine. 1,773,992; Aug. 26.
- Gillispie, Raymond L., Steelton, Pa., assignor to Bethlehem Steel Company. Railway-track structure. 1,774,263; Aug. 26.
- Gillmann, Thomas, Poughkeepsie, N. Y. Saw-filing device. 1,779,969; Oct. 28.
- Gillmor, Reginald E., Washington, D. C., and R. F. Deimel, Hoboken, N. J., assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Latitude adjustment of gyrocompasses. 1,784,348; Dec. 9.
- Gillooly, William, assignor to Metal Stampings Corporation, Streator, Ill. Cutting machine. 1,767,208; June 24.
- Gillooly, William, assignor to Metal Stampings Corporation, Streator, Ill. Lid control for workboxes. 1,784,518; Dec. 9.
- Gillot, Henri F. (See Junillon, L. C., and Gillot.)
- Gilman, George H., Belmont, Mass. Material-handling apparatus. 1,750,316; Mar. 11.
- Gilman, George H., Belmont, Mass. Percussive tool. 1,756,190; Apr. 29.
- Gilman, George H., Belmont, Mass. Pneumatic hammer. 1,757,767; May 6.
- Gilman, George H., Boston, Mass. Drilling machine. 1,771,036; July 22.
- Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,763,600; June 10.
- Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company. Tool. 1,771,675; July 29.
- Gilmer, L. H., Co. (See Snyder, Edgar W., assignor.)
- Gilmore, Carl, Oakland, Calif. Sheathing paper. 1,785,379; Dec. 16.
- Gilmore, Charles B., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch. 1,784,931; Dec. 16.
- Gilmore, David E., assignor to Hellos Corporation, Chicago, Ill. Film-feeding mechanism. 1,745,481; Feb. 4.
- Gilmore, Fred M., and S. French, Seattle, Wash. Turning lathe. 1,758,283; May 13.
- Gilmore, Harley L., Campbellsville, Ky. Movable headlight. 1,779,361; Oct. 21.

- Gilmore, Helen M., New York, N. Y. Fastener for women's apparel. 1,750,588; Mar. 11.
- Gilmore, Jackson G. (See Donley, H. B., Frame, and Gilmore.)
- Gilmore, John L., Kansas City, Mo. Spare-tire carrier. 1,779,877; Oct. 28.
- Gilmore, Maurice, Abbotsford, British Columbia, Canada. Tool carrier. 1,755,112; Apr. 15.
- Gilmore, Robert D., Newton, Mass. Apparatus for treating coffee. 1,773,529; Aug. 19.
- Gilmore, Robert S., Columbia, Ill. Minnow bucket. 1,745,012; Jan. 28.
- Gilowitz, Benjamin, assignor of one-fourth to S. Thau, New York, N. Y. Heel lift. 1,750,712; Mar. 18.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Car-coupler-operating device. 1,746,585; Feb. 11.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway-car construction. 1,756,352; Apr. 29.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Corrugated plate with integral post. 1,764,205; June 17.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway-car construction. 1,770,691; July 15.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Coupler-operating device. 1,772,662; Aug. 12.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Coupler-operating device. 1,772,663; Aug. 12.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Metallic wall plate. 1,773,397; Aug. 19.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Metallic-plate wall element. 1,775,997; Sept. 16.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway-car-hopper door. 1,781,454; Nov. 11.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Door for railway hopper cars. 1,786,747; Dec. 30.
- Gilpin, James R., Rochester, N. Y. Dowel pin and mortise lock. 1,776,500; Sept. 23.
- Gilroy, Camilla H., executrix. (See Gilroy, Frank J.)
- Gilroy, Charles J., Bogota, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator installation. 1,770,267; July 8.
- Gilroy, Frank J., deceased, Buffalo, N. Y., Camilla H. Gilroy, executrix. Apparatus for railway-train operation. 1,773,264; Aug. 19.
- Gilsenan, John J., Newark, N. J. Nozzle. 1,747,624; Feb. 18.
- Gilson, Bert D., assignor of one-half to S. J. Rosenthal, Chicago, Ill. Ice-cream freezer. 1,756,683; Apr. 29.
- Gilson, Emery G., Colonie, N. Y., assignor to General Electric Company. Hard-metal composition and making the same. 1,756,857; Apr. 29.
- Gilson Manufacturing Company. (See Donald, Forrest V., assignor.)
- Gilson, Michael, assignor to Kwik-Mix Concrete Mixer Co., Port Washington, Wis. Mixer. 1,768,595; July 1.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus involving cables. 1,748,763; Feb. 25.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,753,699; Apr. 8.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,756,589; Apr. 29.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,770,772; July 15.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,771,215; July 22.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway-crossing signals. 1,784,868; Dec. 16.
- Giltch, John and M. H. Schorsch, and J. D. Giltch, assignors to Standard Carriage Works, Inc., Los Angeles, Calif. Vehicle door latch. 1,742,764; Jan. 7.
- Giltch, John D. (See Giltch, J., and Schorsch.)
- Giltch, Martin. (See Giltch, J., and Schorsch.)
- Gimenez, Marie, Chicago, Ill. Face mask. 1,783,080; Nov. 25.
- Ginn and Company. (See Russell, Charles, assignor.)
- Ginsberg, Harry J., Chicago, assignor to H. T. Windsor, Batavia, Ill. Sign holder. 1,764,558; June 17.
- Gintell, William, New York, N. Y. Coat construction. 1,770,399; July 15.
- Ginther, Howard E., assignor to Bastian-Morley Co., La Porte, Ind. Operating mechanism. 1,762,120; June 3.
- Gintor, Arthur B., Newton, Kans. Measuring instrument for gauge. 1,745,252; Jan. 28.
- Ginzler, Frederick G., assignor of one-half to H. C. Wallis, London, England. Closure device. 1,766,120; June 24.
- Glomi, Ulderico, Grosseto, Italy. Automatic alarm clock for hotels. 1,769,830; July 1.
- Giordano, John, San Francisco, Calif. Tile-roof closure. 1,752,593; Apr. 1.
- Gipe, John C., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass-surfacing table. 1,761,720; June 3.
- Gipe, John C., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Valve. 1,761,721; June 3.
- Girard, Albert E. P., Paris, and M. J. P. Roumazeilles, Vitry-sur-Seine, France. Varnishing cords. 1,776,073; Sept. 16.
- Girard, Arthur G., assignor to The Willys-Overland Company, Toledo, Ohio. Shipping device. 1,748,122; Feb. 25.
- Girard, George, New York, N. Y. Hair-cutting apparatus. 1,753,652; Apr. 8.
- Girard, Joseph, New York, N. Y. Hair-waving device. 1,763,960; June 17.
- Girardeau, Emile. (See Bethenod, J., and Girardeau.)
- Girardi, Frank, assignor to E. B. Dublin, Chicago, Ill., and himself. Gear-change mechanism for automotive vehicles. 1,758,315; May 13.
- Girdler Corporation, The. (See Bottoms, Robert R., assignor.)
- Girlich, Steve M., Chicago, Ill. Indicating device. 1,773,670; Aug. 19.
- Giroux, Charles A., Montreal, Quebec, Canada. Changeable sign. 1,752,251; Mar. 25.
- Girtanner, Alexander, New York, N. Y., and J. J. McNulta, Summit, N. J., assignors to Girtanner Engineering Corporation, New York, N. Y. Soot-removing system. 1,747,435; Feb. 18.
- Girtanner Engineering Corporation. (See Girtanner, A., and McNulta, assignors.)
- Girty, Frederick J. (See Hamilton, G. F., Holzapfel, Girty, and Lawton.)
- Girvin, Charles W., assignor, by mesne assignments, to General Salt Company, Long Beach, Calif. Recovering iodine. 1,774,882; Sept. 2.
- Girvin, Fred. (See Hardman, W. H., and Girvin.)
- Gisclon, Pierre. (See David, A. G., and Gisclon.)
- Gish, John L., South Bend, Ind. Valve-operating means. 1,778,785; Oct. 21.
- Gish, Simon, Maquoketa, Iowa. Fence post. 1,778,073; Oct. 14.
- Gisholt Machine Company. (See Class, George M., assignor.)
- Gisholt Machine Company. (See Godfriaux, Louis E., assignor.)
- Gisholt Machine Company. (See McCabe, Horace B., assignor.)
- Gisholt Machine Company. (See McNutt, Edward F., assignor.)
- Gisolfi, Giuseppe, Brooklyn, N. Y. Anchor for night candles. Des. 80,416; Jan. 28.
- Githler, Charles E., assignor to Corning Glass Works, Corning, N. Y. Making tubing. 1,767,923; June 24.
- Gitlitz, Joseph. (See Lowy, W., and Gitlitz.)
- Gits, Jules P. (See Gits, Louis F., assignor.)
- Gits, Louis F., assignor to J. P. Gits, Chicago, Ill. Valve cap. 1,746,999; Feb. 11.
- Gits, Remi J., Chicago, Ill. Multiple oiler. 1,759,254; May 20.
- Gits, Remi J., Chicago, Ill. Multiple oiler. 1,763,961; June 17.
- Gits, Remi J., Chicago, Ill. Automobile brake. 1,782,891; Nov. 25.
- Gittins, George E. (See Peck, J. S., and Gittins.)
- Gittings, William N., Upper Darby, Pa., assignor to General Electric Company. Control system. 1,752,842; Apr. 1.
- Gittings, William N., Springfield, Pa., assignor to General Electric Company. Automatic switching system. 1,756,858; Apr. 29.
- Gludice, Charles, assignor of two-thirds to M. Stockman, M. Stockman, and J. G. Ambro, Brooklyn, N. Y. Airship. 1,760,692; May 27.
- Given, Frederick J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable inductance coil. 1,753,337; Apr. 8.
- Given, Frederick J., East Orange, R. M. C. Greenidge, Orange, and J. R. Weeks, jr., East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Producing magnetic bodies. 1,759,612; May 20.
- Givens, Howard M., Abington, F. B. Foley, Philadelphia, and J. L. Cox, Springfield Township, Montgomery County, Pa. Rolling alloy steel. 1,786,297; Dec. 23.
- Gjesdahl, Frederick H., Crookston, Minn. Cylinder-grinding attachment for lathes. 1,762,658; June 10.
- Gjorup, Thomas E., assignor of one-third to Frank C. Volsinet, Chicago, Ill. Envelope. 1,768,836; July 1.
- Glacier, Inc. (See Canton, Allen A., assignor.)
- Glacier Corporation of Delaware, The. (See Thomson, Elihu, assignor.)
- Gladding, Ernest K., Buffalo, assignor, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Method and device for applying oil or other liquid to thread. 1,767,209; June 24.
- Gladfelter, Clifford L., Atlantic City, N. J. Multisection-unit shipping bill. 1,774,090; Aug. 26.
- Gladish, William J., North Chattanooga, Tenn. Ice-cream-dispensing machine. 1,774,708; Sept. 2.
- Gladkov, Vladimir, assignor to California Corrugated Culvert Co., Berkeley, Calif. Apparatus for the manufacture of spiral pipe. 1,773,994; Aug. 26.
- Gladstone, Herbert A. (See Ahrens, Edward G., assignor.)
- Glaenger, Harry. (See Vauclain, S. M., and Glaenger.)

- Glaenger, Harry, Philadelphia, Pa. Locomotive-smoke-box front. 1,751,321; Mar. 18.
- Glaenger, Harry, Philadelphia, Pa. Smoke box for locomotives. 1,765,229; June 17.
- Glaenger, Harry, Philadelphia, Pa. Engine truck on which boosters are mounted. 1,784,790; Dec. 9.
- Glaenger, Harry, and C. C. C. Burkhardt, Philadelphia, Pa. Self-propelled railway vehicle. 1,787,368; Dec. 30.
- Glaeser Research Corporation. (See Glaeser, Walter, assignor.)
- Glaeser, Walter, Brooklyn, assignor to Glaeser Research Corporation, New York, N. Y. Producing mercury. 1,762,861; June 10.
- Glaeser, Walter, Brooklyn, assignor to Glaeser Research Corporation, New York, N. Y. Producing mercury. 1,774,883; Sept. 2.
- Glahe, Fred, Chicago, Ill., assignor to A. G. Spalding & Bros., New York, N. Y. Shoulder pad. 1,761,206; June 3.
- Glanschnig, Ignatz, Gary, assignor of twenty-five per cent to J. D. Meyers, Hobart, Ind. Aeroplane. 1,781,455; Nov. 11.
- Glanz, Eduard. (See Amrhein, Adam, assignor.)
- Glasby, Jonathan P., jr., Verona, N. J. Aircraft wing. 1,786,236; Dec. 23.
- Glascock Brothers Mfg. Company. (See Frick, C. A., and Baker, assignors.)
- Glazener, Carolyn M., Hendersonville, N. C. Cord hanger. 1,787,106; Dec. 30.
- Glaser, Charles F., Indianapolis, Ind. Pressure regulator control. 1,742,311; Jan. 7.
- Glaser, Crandell Co. (See McDonough, Frank J., assignor.)
- Glaser, Herbert, New York, N. Y. Lock. 1,765,526; June 24.
- Glaser, Joseph P., and L. F. Julien, assignors to Chamberlin Metal Weatherstrip Co., Detroit, Mich. Weather strip. 1,762,514; June 10.
- Glasgow, Gordon G., San Francisco, Calif. Automatic ribbon-reversing mechanism. 1,766,626; June 24.
- Glasier, Harold H., Los Angeles, Calif. Soil-tilling device. 1,751,694; Mar. 25.
- Glasner, Rudolph W. (See Nilson, O. G., and Glasner.)
- Glasner, Rudolph W., Chicago, Ill. Drawing press. 1,778,358; Oct. 14.
- Glass, Charles F., Brooklyn, N. Y., assignor to Fingerprint Machine Corporation. Finger-print machine and method. 1,750,099; Mar. 11.
- Glass, Charles F., Brooklyn, N. Y., assignor to Fingerprint Machine Corporation. Finger-print machine and method. 1,750,100; Mar. 11.
- Glass, Charles H., Hartley, Tex. Oil pump. 1,772,141; Aug. 5.
- Glass, Edgar O., et al. (See Block, Joseph, assignor.)
- Glass, Elmer D., Philadelphia, Pa. Envelope. 1,773,671; Aug. 19.
- Glass, George, sr., Erie, Pa. Self-serving tray. 1,754,094; Apr. 8.
- Glass, Isidore B., Waterbury, Conn. Tweezers. 1,767,175; June 24.
- Glass, Jacob, New York, N. Y. Suspenders and spinal supporter. Re17,772; Aug. 12.
- Glass, John B., Grand Island, Nebr. Chair. 1,755,215; Apr. 22.
- Glass, Perley R., Wayland, and J. E. McIntire, Peabody, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,776,390; Sept. 23.
- Glass, Perley R., Wayland, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for folding sheet material. 1,776,426; Sept. 23.
- Glass, Perley R., Wayland, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding book covers. 1,776,427; Sept. 23.
- Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking machine. 1,779,091; Oct. 21.
- Glässer, Otto, and E. Flemnitz, Lubeck, assignors to the Firm: L. Schuler A.-G. Werkzeugmaschinenfabrik, Goppingen, Württemberg, Germany. Tube-cutting machine. 1,753,827; Apr. 8.
- Glassman, Harry, New York, N. Y. Ladies' pajamas. Des. 82,024; Sept. 16.
- Glassner, Mitchel, assignor of one-half to Maryland Baking Company, and one-half to The Bes-Cone Company, Baltimore, Md. Extractor for molded articles. 1,746,252; Feb. 11.
- Glattfelter, Norman G., Drummondville, Quebec, Canada. Cloth temple for looms. 1,774,435; Aug. 26.
- Glaudel, George, Redondo Beach, assignor of 20 per cent to H. Miller, South Pasadena, Calif. Method of and apparatus for silvering glass knobs. 1,747,704; Feb. 18.
- Glawe, Ad A., R. E. Eyraud, and J. H. Andrew, Green Bay, Wis. Closure cap. 1,774,091; Aug. 26.
- Glaze, Herbert L. (See Stanford, F. G., and Glaze.)
- Glaze, Herbert L., South Pasadena, and F. G. Stanford, Los Angeles; said Glaze assignor to G. H. Hyland, Los Angeles, Calif. Beverage-display fountain. 1,782,685; Nov. 25.
- Glazer, Fred, Dorchester, Mass. Upholstery device. 1,780,474; Nov. 4.
- Gleaner Combine Harvester Corporation, The. (See Baldwin, Ernest W. and G. D., assignors.)
- Gleaner Combine Harvester Corporation. (See Hale, Stephen H., assignor.)
- Gleaner Combine Harvester Corporation, The. (See Piereson, Torvald N., assignor.)
- Gleason, C. Roy. (See Soderberg, V. L., and Gleason.)
- Gleason, C. Roy, Chicago, Ill. Tank for chromium plating. 1,784,987; Dec. 16.
- Gleason, Clifford J., assignor to M. S. Wright Company, Worcester, Mass. Vacuum dry mop. 1,759,691; May 20.
- Gleason, Clifford J., assignor to M. S. Wright Company, Worcester, Mass. Vacuum dry mop. 1,759,692; May 20.
- Gleason, Homer E., assignor to Cascade Fixture Company, Seattle, Wash. Chandelier. Des. 80,265; Jan. 7.
- Gleason, John W., et al., trustees. (See Arey, Fred C., assignor.)
- Gleason, Kenneth, Hibbing, Minn. Cable-terminal hook. 1,780,184; Nov. 4.
- Gleason, William C., jr. (See Harris, Marvin L., assignor.)
- Gleason Works. (See Bullock, E. W., Schauseil, Draeseke, Galloway and Hill, assignors.)
- Gleason Works. (See Candee, Allan H., assignor.)
- Gleason Works. (See Candee, A. H., Head, and Nadel, assignors.)
- Gleason Works. (See Earl, Schuyler H., assignor.)
- Gleason Works. (See Finsen, Eyvind, assignor.)
- Gleason Works. (See Head, Ernest C., assignor.)
- Gleason Works. (See Slade, Leon D., assignor.)
- Gleason Works. (See Trbojevic, Nikola, assignor.)
- Gleason Works. (See White, Herbert J., assignor.)
- Gleason Works. (See Wildhaber, Ernest, assignor.)
- Gleichauf, Fred A., Newark, Ohio. Buffet. Des. 82,421; Nov. 4.
- Gleichmann, Hans, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany. Apparatus for and method of generating steam. 1,784,426; Dec. 9.
- Gleisner, Michael W., Racine, Wis., assignor to The American Brake Shoe & Foundry Company, New York, N. Y. Annealing pot. 1,754,423; Apr. 15.
- Glekler, John T., assignor to The Ohio Chemical & Manufacturing Company, Cleveland, Ohio. Packing ether for storage, shipment, and sale. 1,742,206; Jan. 7.
- Glekler, John T., assignor to The Ohio Chemical & Manufacturing Company, Cleveland, Ohio. Apparatus for packaging liquids. 1,742,207; Jan. 7.
- Glen, Thomas, jr., Coogee, Sydney, New South Wales, Australia. Floor polisher. 1,764,559; June 17.
- Glendon, Thomas A., jr., New York, N. Y., assignor to Helburn Thompson Co., Salem, Mass. Leather or similar article. Des. 82,256; Oct. 14.
- Glenn, George G., Long Beach, Calif. Auxiliary top for gas stoves. 1,753,886; Apr. 8.
- Glenn, Joe H., jr., and B. L. Bennett, assignors of one-third to H. M. Du Bose, jr., and R. C. Vaughn, Winston-Salem, N. C. Filling station. Des. 82,644; Nov. 25.
- Glenn, William H. (See Hinman, R. L., and Glenn.)
- Glenn, William J. (See Bernard, S., and Glenn.)
- Glennon, James, sr., Rochester, Minn. Dirigible headlight. 1,758,437; May 13.
- Glenny, Clarence S., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Fruit-juice extractor and strainer. 1,751,627; Mar. 25.
- Glens Falls Machine Works. (See Chappell, Fred B., assignor.)
- Glenz, Karl. (See Brandt, P., and Glenz.)
- Glezen, Lee L., Millburn, N. J., M. J. Stigers, Baldwin, and E. R. Taylor, New York, N. Y., assignors to American Telephone and Telegraph Company. Toll circuit. 1,750,666; Mar. 18.
- Glick, Max, Company, The. (See Ferguson, James E., assignor.)
- Glidden, Alfred A., assignor, by mesne assignments, to Hood Rubber Company, Inc., Watertown, Mass. Ornamented article of wearing apparel. 1,750,799; Mar. 18.
- Glidden, Alfred A., and F. D. Bean, assignors, by mesne assignments, to Hood Rubber Company, Inc., Watertown, Mass. Ornamenting sheet rubber. 1,751,546; Mar. 25.
- Glidden, Alfred A., and T. M. Knowland, Watertown, Mass., assignors, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Manufacturing molded extension tops and molded boots. 1,758,438; May 13.
- Glidden, Alfred A., and T. M. Knowland, Watertown, and W. J. Duffy, Melrose, Mass., assignors, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Manufacturing linings for molded boots. 1,766,627; June 24.
- Glidden, Alfred A., and T. M. Knowland, Watertown, Mass., assignors, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Apparatus for manufacturing inner tubes. 1,767,062; June 24.
- Glidden, Alfred A., Watertown, and A. R. Lukens, Belmont, assignors, by mesne assignments, to Hood Rubber Company, Inc., Watertown, Mass. Manufacturing and treating asphalt biscuits. 1,756,011; Apr. 22.
- Glidden, Alfred A., T. M. Knowland, and W. R. Dow, Watertown, Mass., assignors, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Mold for electric-cured tires. 1,777,486; Oct. 7.
- Glidden, Harvey L., Lexington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Bin. 1,757,185; May 6.
- Glieden, Henry, Broton, Minn. Flue stopper. 1,771,956; July 29.

- Glietenberg, Eugen, and A. Sigwart, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and preparing same. 1,752,075; Mar. 25.
- Glintenkamp, William P., Bellaire, assignor to May Manufacturing Co. Inc., New York, N. Y. Bridge member for an optical mounting. Des. 81,133; May 13.
- Glintenkamp, William P., Bellaire, assignor to May Manufacturing Co. Inc., New York, N. Y. Bridge member for an optical mounting. Des. 82,530; Nov. 18.
- Glisch, John F., Milwaukee, Wis. Friction clutch. 1,751,809; Mar. 25.
- Glisci, Vito, Waterbury, Conn. Water cooler. 1,777,843; Oct. 7.
- Glitzke, Gregor H., Kansas City, Mo. Sealing means for perforated container caps. 1,749,215; Mar. 4.
- Global Corporation. (See Eichenberger, Ferdinand, assignor.)
- Global Corporation. (See Imbery, Arthur, assignor.)
- Global Corporation. (See Shaw, Harold N., assignor.)
- Globe American Corporation. (See Hill, Dewey H., assignor.)
- Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
- Globe Brick Company, The. (See Porter, Jacob N., assignor.)
- Globe Company, The. (See Leicht, Fred, assignor.)
- Globe Lighting Fixture Mfg. Co. (See Rosenblatt, Isidor, assignor.)
- Globe Machine & Stamping Company. (See Gaddis, Hugh L., assignor.)
- Globe Register Company, The. (See Boyd, Blanton M., assignor.)
- Globe Steel Abrasive Company. (See Martin, David, assignor.)
- Globe-Wernicke Company, The. (See Smiley, Samuel, jr., assignor.)
- Gloekler, John E., Pittsburgh, Pa. Steam cooker. 1,748,123; Feb. 25.
- Gloekler, John E., Pittsburgh, Pa. Refrigerator display case. 1,771,998; Aug. 5.
- Gloekler, John E., Pittsburgh, Pa. Refrigerator show case. 1,776,789; Sept. 30.
- Gloeser, Otto, Niklasdorf, near Freiwaldau, Czechoslovakia. Manufacture of reinforced concrete. 1,762,815; June 10.
- Glose, Frederick P., assignor to F. X. Hooper Company, Glenarm, Md. Machine for cutting and creasing box blanks. 1,776,624; Sept. 23.
- Glosh, Frederick P., assignor to The Eclipse Machinery Company, Cincinnati, Ohio. Electrical utility machine. 1,772,944; Aug. 12.
- Glossbrenner, Alfred S., and G. L. Glossbrenner, Indianapolis, Ind. Calendar. 1,766,334; June 24.
- Glossbrenner, George L. (See Glossbrenner, Alfred S. and G. L.)
- Glover, H. B., Company. (See Schrup, Alfred F., assignor.)
- Glover, John, Chicago, Ill. Insect repellent. Des. 80,888; Apr. 8.
- Glover, Milford S., and A. M. Henson, Thornton, and L. W. Shepperd, Groesbeck, Tex. Plow. 1,778,359; Oct. 14.
- Glover, W. T., and Company Limited. (See Beaver, Charles J., assignor.)
- Glover, Walter H., Leamington, and C. Diamond, Coventry, assignors to Courtaulds, Limited, London, England. Manufacture of cellulose derivatives. 1,763,428; June 10.
- Glowacki, John B., Chicago, Ill. Fuse indicator. 1,779,697; Oct. 28.
- Gluck, Julius, Paris, France, assignor, by mesne assignments, to Ohmer Fare Register Company, Dayton, Ohio. Taximeter construction. 1,744,307; Jan. 21.
- Gluck, Julius, New York, N. Y., assignor, by mesne assignments, to Ohmer Fare Register Company, Dayton, Ohio. Taximeter. 1,762,862; June 10.
- Gluck, Julius, New York, N. Y., assignor, by mesne assignments, to Ohmer Fare Register Company, Dayton, Ohio. Illuminating means for taximeters. 1,776,998; Sept. 30.
- Gluckman, Isidore, Oklahoma City, Okla. Positioning the left elbow of a pupil with relation to the violin. 1,764,162; June 17.
- Glueck, John, West New York, N. Y., assignor of one-half to R. Hunkle, Grantwood, N. J. Brake. 1,752,377; Apr. 1.
- Gluud, Wilhelm, and R. Schönfelder, Dortmund-Eving, assignors, by mesne assignments, to firm: Bergwerksverband zur Verwertung von Schutzrechten der Kohlentechnik Gesellschaft mit beschränkter Haftung, Dortmund-Eving, Westphalia, Germany. Chemical apparatus. 1,774,366; Aug. 26.
- Gluud, Wilhelm, R. Schönfelder and W. Riese, assignors, by mesne assignments, to the firm Bergwerksverband zur Verwertung von Schutzrechten der Kohlentechnik, Gesellschaft mit beschränkter Haftung, Dortmund-Eving, Germany. Production of pure sulphur from crude impure materials which contain sulphur. 1,771,293; July 22.
- Glynn, Edwin A., assignor to The Super Mould Co., Lodi, Calif. Tire-retreading mold. 1,760,944; June 3.
- Glynn, Gerald, Denver, Colo. Automobile signal switch. 1,743,448; Jan. 14.
- Gmeiner, Elmer V., Knoxville, Tenn., assignor to Doherty Research Company, New York, N. Y. Device for spreading liquid. 1,780,126; Oct. 28.
- Gmelin, Paul, Mannheim, and O. Eisenhut, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Treatment of hydrocarbons with electric arcs. 1,746,934; Feb. 11.
- Gmelin, Walter. (See Thiess, K., Gmelin, and Zahn.)
- Gminder, Emil, Reutlingen, Germany. Slippage drawing roller. 1,748,711; Feb. 25.
- Gminder, Emil, Reutlingen, Germany. Method of and system for producing great draft in spinning. 1,748,712; Feb. 25.
- Gminder, Emil, Reutlingen, Germany. Process and apparatus for preparing staple or fibrous material for spinning. 1,764,074; June 17.
- Gminder, Emil, Reutlingen, Germany. Extraction of foreign bodies from spinning material. 1,764,680; June 17.
- Gnadinger, Charles B., Minneapolis, Minn. Insecticide and making same. 1,773,102; Aug. 19.
- Goad, Louis C., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Shaft-centering support. 1,749,339; Mar. 4.
- Gobbell, Jack, et al. (See Etchison, Lewis A., assignor.)
- Gobble, Lew W., Grand Junction, Colo. Airplane-wing section. 1,752,378; Apr. 1.
- Gobel, Albert, Lagnieu, assignor to Société De Recherches & d'Exploitations Pétrolifères, Paris, France. Absorption apparatus. 1,773,224; Aug. 19.
- Gober, Richard G., Alameda, Calif. Combination stool, ladder, and kitchen block. 1,753,372; Apr. 8.
- Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Pumping power. 1,767,282; June 24.
- Goble, Fred J., administrator. (See Day, David T.)
- Goby, Clifford S., Cleveland, assignor of one-half to A. M. Davis, New London, Ohio. Valve-operating mechanism. 1,753,745; Apr. 8.
- Gochnauer, Walter E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Tire gauge. 1,783,116; Nov. 25.
- Godard, Luis. (See Larrey, T., and Godard.)
- Godbe, Anthony H., Los Angeles, Calif., assignor to Universal Process Company. Method of and apparatus for separating solids from liquids. 1,763,773; June 17.
- Godbery, Joseph V., San Francisco, Calif. Amplifier. 1,752,252; Mar. 25.
- Godbery, Joseph V., San Francisco, Calif. Mute. 1,767,974; June 24.
- Goddard, Calvin H. (See Fisher, John H., assignor.)
- Goddard, Edwin G. (See Daley, J. C., and Goddard.)
- Goddard, Edwin G. (See Daley, J. C., Goddard, and Sola.)
- Goddard, George N. (See Edwards, Arthur J., assignor.)
- Goddard, John, and R. A. Calvert, Smiths Falls, Ontario, assignors to the firm Frost & Wood, Smiths Falls, Canada. Dragbar for cultivators. 1,782,081; Nov. 25.
- Goddard, Paul L., Oak Park, assignor to Central Waxed Paper Company, Chicago, Ill. Ice-cream-container liner. 1,781,006; Nov. 11.
- Goddard, Ray C., Wheaton, assignor to Combustioneer, Inc., Chicago, Ill. Transmission mechanism. 1,749,879; Mar. 11.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,742,499; Jan. 7.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. 1,742,500; Jan. 7.
- Goddu, George, Winchester, Mass., assignor to The Littleway Process Company, Lynn, Mass. Manufacture of shoes. 1,742,501; Jan. 7.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening and product thereof. 1,742,502; Jan. 7.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Tack-pulling machine. 1,753,409; Apr. 8.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Burnishing machine. 1,768,680; July 1.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,776,428; Sept. 23.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Anchoring staples and product thereof. 1,776,429; Sept. 23.
- Goddu, Louis E., Winchester, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,769,684; July 1.
- Goddu, Louis E., Winchester, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap-fastener socket. 1,769,685; July 1.
- Godefrid, Armand, Berlin, Germany. Coin assorter. 1,780,819; Nov. 4.
- Godefroy, Alexandre F., Mexico, Mexico. Sport jumping apparatus. 1,781,506; Nov. 11.
- Godel, Albert, Lagnieu, assignor to Société de Recherches et d'Exploitations Pétrolifères, Paris, France. Separation or recovery of gases and vapors by solid adsorbents. 1,742,247; Jan. 7.
- Godet, Raymond, Moesti, Rumania. Automatic control device for well drilling. 1,752,076; Mar. 25.
- Godfrey, Edward L., and G. W. Wrentmore, Stroud, England. Egg-turning tray for incubators. 1,768,197; June 24.
- Godfrey, Frederick S. (See Guay, E. J., and Godfrey.)

- Godfrey, Frederick S., Lynn, Mass., assignor to General Electric Company. Machine for forming rings from segmental pieces. 1,742,388; Jan. 7.
- Godfrey, Joseph H., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Dual-control temperature regulation. 1,750,001; Mar. 11.
- Godfriaux, Louis E., assignor to Gisholt Machine Company, Madison, Wis. Self-gripping chuck. 1,770,515; July 15.
- Godfriaux, Louis E., assignor to Gisholt Machine Company, Madison, Wis. Lathe. 1,774,917; Sept. 2.
- Godfried, Hiram J., and P. H. Jaeger, Milwaukee, Wis. Door latch. 1,769,288; July 1.
- Godoy, Humbert. (See Feeney, T. L., and Godoy.)
- Godward, Ernest R., New York, N. Y. Vaporizer. 1,747,361; Feb. 18.
- Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economiser System Company, Limited, Christchurch, New Zealand. Auxiliary heater and vaporizer. 1,783,536; Dec. 2.
- Godwin, William S., Baltimore, Md. Paved or similar railway structure. 1,757,565; May 6.
- Goebel, George H., Clayton, Mo. Mixing device. 1,761,473; June 3.
- Goebels, Paul, assignor to the firm G. Polysius, Dessau, Germany. Conveyor for pulverized material. 1,755,779; Apr. 22.
- Goebels, Paul, assignor to the firm G. Polysius, Dessau, Germany. Conveyor. 1,757,832; May 6.
- Goebels, Paul, assignor to the firm G. Polysius, Aktiengesellschaft, Dessau, Germany. Method of and apparatus for mixing powdered material. 1,773,619; Aug. 19.
- Goedeke, Edward W. (See Russell, E. J., and Goedeke.)
- Goeller, George L. (See Kelly, W. C., Price, Bruce, and Goeller.)
- Goeller, Lawrence E., Circleville, Ohio. Necktie holder. 1,783,840; Dec. 2.
- Goellner, John A., assignor to Monarch Metal Weather-strip Corporation, St. Louis, Mo. Weather strip. 1,781,382; Nov. 11.
- Goepel, Margaret, New York, N. Y. Bill bank. 1,760,901; June 3.
- Goerlich, John E. (See Beck, Charles W., assignor.)
- Goerlitz, Hans, Rotterdam, Netherlands, assignor to Accounting and Tabulating Machine Corporation, New York, N. Y. Machine for utilizing statistical cards. 1,769,022; July 1.
- Goertz, August, & Co. (See Dickey, Laurence P., assignor.)
- Goertz, August, & Co. (See Goertz, Frederick, assignor.)
- Goertz, August, & Company. (See Goertz, Walter A., assignor.)
- Goertz, August, & Co. (See Wacker, William E., assignor.)
- Goertz, Frederick, Newark, N. J., assignor to August Goertz & Co., Inc. Interchangeable ornament and mounting therefor. 1,747,508; Feb. 18.
- Goertz, Walter A., East Orange, N. J., assignor to August Goertz & Company, Inc. Vanity box. Des. 82,493; Nov. 11.
- Goerz, C. P., optische Anstalt Aktiengesellschaft, Aklcova Spolecnost K. P. Goerz opticky ustav. (See Petschenig, Karl, assignor.)
- Goerz, C. P., Optische Anstalt Aktiengesellschaft, Aklcova Spolecnost K. P. Goerz, Opticky Ustav. (See von Hofe, Christian, assignor.)
- Goeser, Edwin W., Los Angeles, Calif. Two-post three-shaft draw works. 1,763,511; June 10.
- Goeser, Edwin W., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Upset lock pin for chain belts. 1,755,252; Apr. 22.
- Goeser, Edwin W., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. U-bolt construction. 1,755,253; Apr. 22.
- Goeser, Edwin W., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Slip construction. 1,758,108; May 13.
- Goetsch, Hermann. (See Thiery, F., and Goetsch.)
- Goetz, A. Edgar, Far Rockaway, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,764,620; June 17.
- Goetz, Charles E., Benson, Ariz. Load brace for railway cars and the like. 1,755,729; Apr. 22.
- Goetz, Herbert W., Alhambra, and R. C. Clark, assignors of one-third to J. J. Ferlin, Los Angeles, Calif. Rod spider. 1,755,986; Apr. 22.
- Goetz, John, Wauwatosa, and L. J. Radermacher, Milwaukee, assignors to The Kamps Smith Manufacturing Co., West Allis, Wis. Milling machine. 1,750,885; Mar. 18.
- Goetz, Joseph F., Dayton, assignor to The Columbia Mixers Corporation, Hamilton, Ohio. Mixing apparatus. 1,762,094; June 3.
- Goetz, Julius J., assignor to Western Metal Specialty Company, Milwaukee, Wis. Charcoal heater. 1,744,115; Jan. 21.
- Goetz, Julius J., Shorewood, assignor to Western Metal Specialty Co., Milwaukee, Wis. Heater. 1,757,042; May 6.
- Goetz, Leo H., assignor of one-half to W. T. Tassler, Fort Wayne, Ind. Electric switch. 1,763,649; June 17.
- Goetzke, Otto, Jersey City, N. J. Safety razor and blade. 1,751,476; Mar. 25.
- Goetzmann, Jules, Paris, France. Weighing and recording machine. 1,753,202; Apr. 8.
- Goff, Errol W., Everett, Mass., assignor to Warren Telechron Company. Clock or the like. Des. 82,424; Nov. 4.
- Goff, Henry J., assignor of one-third to C. A. Webster and one-third to H. V. Taster, Stockton, Calif. Box end and making same. 1,767,064; June 24.
- Goff, Henry J., assignor to Stockton Box Company, Stockton, Calif. Box-end sawing and nailing apparatus. 1,771,888; July 29.
- Goff, Leonard D., assignor to Armstrong Machine Works, Three Rivers, Mich. Steam trap. 1,767,063; June 24.
- Gogan, Joseph, Cleveland, Ohio. Apparatus for testing materials. 1,746,891; Feb. 11.
- Goggins, Hugh W. (See Fry, Clark L., assignor.)
- Gohlke, Henry C., Port Hope, Mich. Brake. 1,784,688; Dec. 9.
- Gohmann Bros. and Kahler Company. (See Gohmann, Charles L., assignor.)
- Gohmann, Charles L., New Albany, Ind. Door-operating device for stoves and furnaces. 1,754,095; Apr. 8.
- Gohmann, Charles L., assignor to Gohmann Bros. and Kahler Company, New Albany, Ind. Door construction for stove casings. 1,754,096; Apr. 8.
- Gohmann, Charles L., assignor to Gohmann Bros. and Kahler Company, New Albany, Ind. Joining metal sections together. 1,757,664; May 6.
- Gohorel, Fernand P. A., Paris, France, assignor to Automatic Electric Inc., Chicago, Ill. Semiautomatic telephone system. 1,760,640; May 27.
- Gohring, Herman C., Estacada, Oreg. Pump. 1,783,611; Dec. 2.
- Gohring, William H., Queens, assignor to Meyer-Sniffen Co., New York, N. Y. Valve. 1,779,064; Oct. 21.
- Gohy, Jean, Spa, assignor to Despa & Fils (Société en commandite par actions), Verviers, Belgium. Machine for the manufacture of card clothing. 1,781,383; Nov. 11.
- Goinard, Joseph M. A., St.-Nazaire, France. Power plant. 1,752,253; Mar. 25.
- Goinard, Joseph M. A., St.-Nazaire, France. Carburetor for internal-combustion engines supplied with heavy oil. 1,781,327; Nov. 11.
- Going, George G., Middletown, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,752,482; Apr. 1.
- Going, George G., Middletown, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,758,109; May 13.
- Going, George G., Middletown, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,760,641; May 27.
- Going, George G., Middletown, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,767,875; June 24.
- Going, George G., Middletown, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,767,876; June 24.
- Going, George G., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,767,877; June 24.
- Going, George G., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,767,878; June 24.
- Gokhale, Shankar L., Schenectady, N. Y., assignor to General Electric Company. Magnetic testing apparatus. 1,742,990; Jan. 7.
- Golber, Hyman E., Chicago, Ill., assignor to The Miehle Printing Press and Manufacturing Company. Plate hook. 1,764,257; June 17.
- Golber, Hyman, assignor to Complete Calculator Company, Chicago, Ill. Calculating machine. 1,774,367; Aug. 26.
- Gold, Bruce E. (See Gold, Samuel B. and B. E.)
- Gold Car Heating & Lighting Company. (See Gold, Edward E., assignor.)
- Gold, Charles. (See Broughton, William H., assignor.)
- Gold Dust Corporation. (See Thurman, Benjamin H., assignor.)
- Gold, Edward E., New York, assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y. Nipple-inserting machine. 1,763,886; June 17.
- Gold, Egbert H., deceased, Evanston, Ill.; M. J. Gold and Biscayne Trust Company executors. Supporting means for flexible pipe mechanism. 1,755,254; Apr. 22.
- Gold, Egbert H., deceased, Miami Beach, Fla., and E. A. Russell; said Russell assignor to Vapor Car Heating Company, Inc., Chicago, Ill.; M. J. Gold and Biscayne Trust Company, executors of said E. H. Gold. End train-pipe valve. 1,742,443; Jan. 7.
- Gold, Egbert H., deceased, Evanston, and T. H. Manchester and E. A. Russell; said Manchester and said Russell assignors to Vapor Car Heating Company, Inc., Chicago, Ill.; M. J. Gold and Biscayne Trust Company, executors. Hose coupler. 1,743,270; Jan. 14.
- Gold, Egbert H., deceased, Evanston, and E. A. Russell; said Russell assignor to Vapor Car Heating Company, Inc., Chicago, Ill.; M. J. Gold and Biscayne Trust Company, executors. Flexible pipe structure. 1,781,456; Nov. 11.
- Gold, Egbert H., deceased, Evanston, and E. A. Russell; said Russell assignor to Vapor Car Heating Company, Inc., Chicago, Ill.; M. J. Gold and Biscayne Trust Company, executors. Flexible pipe structure. 1,781,457; Nov. 11.
- Gold, Egbert H., deceased, Evanston, T. H. Manchester, and E. A. Russell; said Manchester and said Russell assignors to Vapor Car Heating Company, Inc., Chicago, Ill.; M. J. Gold and Biscayne Trust Company, executors. Hose coupler. 1,781,543; Nov. 11.

- Gold, Margaret J., et al., executors. (See Gold, Egbert H.)
- Gold, Margaret J., et al., executors. (See Gold, E. H., Manchester, and Russell.)
- Gold, Margaret J., et al., executors. (See Gold, E. H., and Russell.)
- Gold, Monroe, Brooklyn, N. Y. Fountain pen or similar article. Des. 81,002; Apr. 22.
- Gold, Samuel B. and B. E., assignors to Weber Engine Company, Kansas City, Mo. Variable-speed transmission. 1,780,475; Nov. 4.
- Goldacker, Paul, and M. Schmidt, Dessau in Anhalt, Germany, assignors, by mesne assignments, to Agfa Anso Corporation, Binghamton, N. Y. X-ray dental film package. 1,783,467; Dec. 2.
- Goldbecher, Frank, Grantwood, N. J. Automobile table. 1,780,706; Nov. 4.
- Goldbeck, Eugene O., San Antonio, Tex. Photographic apparatus. 1,787,309; Dec. 30.
- Goldberg, Benjamin D., New York, N. Y. Water heater. Des. 82,552; Nov. 18.
- Goldberg, Benjamin D., Brooklyn, N. Y. Carding brush. 1,748,950; Mar. 4.
- Goldberg, Benjamin D., New York, N. Y. Nappy-cloth restorer. 1,778,489; Oct. 14.
- Goldberg, Bowen & Company. (See Zecher, Albert G., assignor.)
- Goldberg, David D. (See Gordon, C. J., and Goldberg.)
- Goldberg, David D., Chicago, Ill. Valve mechanism. 1,754,424; Apr. 15.
- Goldberg, Emanuel, assignor Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Film-feeding device. 1,747,705; Feb. 18.
- Goldberg, Emanuel, assignor to the firm: I C A, Aktiengesellschaft, Dresden, Germany. Cinema camera. 1,772,774; Aug. 12.
- Goldberg, Emanuel, and O. Fischer, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Cinematograph camera with clockwork driving mechanism. 1,750,401; Mar. 11.
- Goldberg, Emanuel, Dresden, and O. Fischer, Dresden Laubegast, assignors to Zeiss Ikon, Aktiengesellschaft Dresden, Dresden, Germany. Cinematographic camera. 1,779,468; Oct. 28.
- Goldberg, Isack, New York, N. Y. Slipper. Des. 80,516; Feb. 18.
- Goldberg, Isack, New York, N. Y. Slipper. Des. 80,517; Feb. 18.
- Goldberg, Isack, New York, N. Y. Slipper. Des. 80,518; Feb. 18.
- Goldberg, Joseph, Brooklyn, N. Y. Extension table. 1,772,629; Aug. 12.
- Goldberg, Joseph H., assignor to Chicago Cinema Equipment Company, Chicago, Ill. Casing for a picture-projection apparatus. Des. 80,440; Feb. 4.
- Goldberg, Maurice A., et al. (See Drahonovsky, John B., assignor.)
- Goldberg, Maurice M., assignor to Animated Book Match Corporation, New York, N. Y. Toy box wagon. 1,757,243; May 6.
- Goldberg, Max W., assignor to Modern Pouring Device Company, Port Washington, Wis. Sand handling and molding apparatus. 1,748,124; Feb. 25.
- Goldberg, Maximilian M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,755,504; Apr. 22.
- Goldberg, Maximilian M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Auditing machine. 1,761,662; June 3.
- Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Computing machine. 1,786,525; Dec. 30.
- Goldberg, Morris B., assignor to Eagle Knitting Mills, Inc., Philadelphia, Pa. Knitted fabric. 1,787,264; Dec. 30.
- Goldberg, Rudolf. (See Archangelsky, A., and Goldberg.)
- Goldberg, Samuel I., New York, N. Y. Lighting fixture. Des. 81,440; June 24.
- Goldberg, Samuel P., Brooklyn, N. Y., assignor to Chantrell Lock Corp., Lock. 1,786,648; Dec. 30.
- Goldberg, Sifton A., Brooklyn, N. Y. Garment hanger. 1,783,709; Dec. 2.
- Goldberg, Solomon H., assignor to The Hump Hairpin Manufacturing Co., Chicago, Ill. Display card or similar article. Des. 82,670; Dec. 2.
- Goldberg, Solomon H., assignor to The Hump Hairpin Manufacturing Co., Chicago, Ill. Display card or similar article. Des. 82,740; Dec. 9.
- Goldberger, Arthur. (See Brandl, H., and Goldberger.)
- Goldblatt, Henry, Kansas City, Mo. Plaster scratcher. 1,770,848; July 15.
- Golden, Alexander R., New York, and J. I. Kahn, Brooklyn, N. Y. Merchandizing fabric. 1,780,228; Nov. 4.
- Golden, Charles E. (See Anderson, Edward V., assignor.)
- Golden, Harry S., Flint, assignor to General Motors Corporation, Detroit, Mich. Head-lamp support. 1,755,987; Apr. 22.
- Golden, Louis J., Highland Park, Ill. Baby shoe. 1,778,074; Oct. 14.
- Golden, Robert F., South Orange, assignor to National Lock Washer Company, Newark, N. J. Curtain for railroad-car windows. 1,780,913; Nov. 11.
- Golden State Asparagus Co. (See Nielsen, Emil H., assignor.)
- Goldenblum, Eva J., New York, N. Y. Undergarment. 1,773,620; Aug. 19.
- Goldenstar, Arthur L., Duluth, Minn. Structural joint. 1,748,017; Feb. 18.
- Goldfield, Edwin R. (See Horsley, C., and Goldfield.)
- Goldfield, Edwin R., assignor to The Engeln Electric Company, Cleveland, Ohio. Radiographic unit. 1,775,853; Sept. 16.
- Goldhammer, Leo, Munich, Germany, assignor, by mesne assignments, to Agfa Anso Corporation, Binghamton, N. Y. Lens mounting. 1,760,827; May 27.
- Goldhammer, Leo, Munich, Germany, assignor to Agfa Anso Corporation, Binghamton, N. Y. Objective-shutter casing. 1,768,315; June 24.
- Golding Bros. Company. (See Haug, Herman, assignor.)
- Golding Bros. Company. (See Hoffman, Christian, assignor.)
- Golding Bros. Company. (See Mack, Joseph H., assignor.)
- Golding Bros. Company. (See Ramsay, William, assignor.)
- Golding Bros. Company. (See Sherover, Max, assignor.)
- Golding, Edward P. (See McElvaney, C. T., jr., and Golding.)
- Goldknopf, Abraham, New York, N. Y. Fountain pen. 1,785,680; Dec. 16.
- Goldkopf, Morris, Brighton Beach, Brooklyn, N. Y. Sleeve form. 1,758,742; May 13.
- Goldman, Barney, New York, N. Y. Hydraulic jack. 1,784,428; Dec. 9.
- Goldman, David H., Cleveland, Ohio. Double-acting pump. 1,749,216; Mar. 4.
- Goldman, Harry B., Pittsburgh, Pa. Automatic stopping and reversal of electromechanically-operated doors and the like. 1,745,990; Feb. 4.
- Goldman, Harry B., Brookline, Pa. Electrohydraulic system for elevator brakes and the like. 1,778,317; Oct. 14.
- Goldman, Herman. (See Odenbach, J. H., Goldman, and Henry.)
- Goldman, Maurice A., Milford, N. H., assignor to Tucapau Mills, Tucapau, S. C. Oil filter and filter element. 1,751,000; Mar. 18.
- Goldman, May F. (See Goldman, Otto B., assignor.)
- Goldman, Moe, Atlanta, Ga. Serving scissors. Des. 81,689; July 29.
- Goldman, Otto B., assignor to M. F. Goldman, Long Beach, Calif. Stress-measuring device. 1,766,782; June 24.
- Goldman, Otto B., assignor, by mesne assignments, to Martin-Decker Corporation, Long Beach, Calif. Stress indicator and recorder. 1,780,141; Oct. 28.
- Goldman, Ralph H., assignor to Henry L. Hughes Co., Inc., New York, N. Y. Manicure instrument. Des. 81,531; July 8.
- Goldman, S. W., et al. (See Schultis, Charles F., assignor.)
- Goldman, Sigmund L., assignor to Red Sun Products Co., Chicago, Ill. Hose holder. 1,746,151; Feb. 4.
- Gold Medal Camp Furniture Mfg. Co. (See Brown, Newton N., assignor.)
- Goldrick, Albert R., Cleveland, Ohio. Electrical swivel connector. 1,765,330; June 17.
- Goldsboro, George W., Los Angeles, Calif. Corn planter. 1,773,711; Aug. 19.
- Goldsborough, Frederick B., Croton-on-Hudson, N. Y. Caisson head. 1,780,586; Nov. 4.
- Goldsborough, Shirley L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay system. 1,749,531; Mar. 4.
- Goldsborough, Shirley L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay system. 1,749,532; Mar. 4.
- Goldsborough, Shirley L., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current relay. 1,783,568; Dec. 2.
- Goldsborough, Thaddeus R. (See Whitten, W. H., jr., and Goldsborough.)
- Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Reciprocating engine. 1,755,578; Apr. 22.
- Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Cam mechanism. 1,769,686; July 1.
- Goldsborough, Winder E., Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Transfer valve. 1,773,995; Aug. 26.
- Goldschmidt, Robert. (See Jordan, H., and Goldschmidt.)
- Goldschmidt, Rudolf, Berlin, Germany. Shaft coupling with power storage. 1,758,439; May 13.
- Goldschmidt, Th., A.-G. (See Schertel, L., and Lüty, assignors.)
- Goldschmidt, Th., A.-G., The. (See Wüst, Fritz, assignor.)
- Goldschmidt, Victor M., Oslo, Norway. Manufacture of ceramic products. 1,782,295; Nov. 18.
- Goldschmidt, Victor M., Oslo, and R. Knudsen, assignors to Borgestad Fabrikker, Borgestad, near Skein, Norway. Ceramic material and binding agent as well as a process for producing such material. 1,756,786; Apr. 29.
- Goldsmith, Aaron H., Cleveland, Ohio. Electric baby-bottle warmer. 1,762,171; June 10.
- Goldsmith, Abraham L., and P. W. Rogers, Orono, Me. Device for expanding and contracting demountable rims. 1,784,283; Dec. 9.
- Goldsmith, Alfred N., Mount Vernon, N. Y., assignor to Radio Corporation of America. Reproducer arm. 1,760,306; May 27.

- Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Radio signaling system. 1,761,118; June 3.
- Goldsmith, Alfred N., and L. Shapiro, New York, N. Y., assignors to Radio Corporation of America. Combined radio and phonograph cabinet. 1,757,304; May 6.
- Goldsmith, Alfred N., and J. Weinberger, New York, N. Y., assignors to Radio Corporation of America. Television system. 1,770,205; July 8.
- Goldsmith, Bertram J., E. Koeb, N. Y., and A. Briechele, Brooklyn, N. Y., assignors, by mesne assignments, to The English & Mersick Company, New Haven, Conn. Window regulator. 1,751,993; Mar. 25.
- Goldsmith, Edgar M. (See Harris, Leonard B., assignor.)
- Goldsmith, Fred C., Houston, Tex. Attachment for motor vehicles. 1,749,027; Mar. 4.
- Goldsmith, Lester M., Highland Park, Pa. Valve mechanism. 1,777,803; Oct. 7.
- Goldsmith, Lester M., Highland Park, assignor to The Atlantic Refining Company, Philadelphia, Pa. Electrical generating system. 1,777,668; Oct. 7.
- Goldsmith, Lester M., Highland Park, assignor to The Atlantic Refining Company, Philadelphia, Pa. Current-transfer mechanism. 1,777,844; Oct. 7.
- Goldsmith, Lester M., Highland Park, assignor to The Atlantic Refining Company, Philadelphia, Pa. Current-distribution system. 1,777,845; Oct. 7.
- Goldsmith, Max S., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Floor construction. 1,747,294; Feb. 18.
- Goldsmith, Max S., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Floor and ceiling structure. 1,747,295; Feb. 18.
- Goldsmith, Max S., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Ceiling tie and spacer. 1,767,065; June 24.
- Goldsmith, Max S., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Floor construction. 1,767,066; June 24.
- Goldsmith, Max S., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Ceiling plate. 1,767,067; June 24.
- Goldsmith Metal Lath Company, The. (See Goldsmith, Max S., assignor.)
- Goldsmith Metal Lath Company, The. (See Goldsmith, William M., assignor.)
- Goldsmith, P., Sons Company, The. (See Dickman, Arthur, assignor.)
- Goldsmith, Steptimus S., Fivedock, near Sydney, New South Wales, Australia. Lawn mower. 1,747,542; Feb. 18.
- Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Spreader for use with metal tiles. 1,753,463; Apr. 8.
- Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Built-up stud for hollow partitions. 1,754,942; Apr. 15.
- Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Metal tile structure. 1,764,042; June 17.
- Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Lath spacer. 1,767,068; June 24.
- Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Sleeper mounting. 1,777,358; Oct. 7.
- Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Sleeper holder. 1,777,359; Oct. 7.
- Goldstein, Aaron A., Buffalo, N. Y. Sterilizing holder for clinical thermometers. 1,777,641; Oct. 7.
- Goldstein, Adolph O., Santa Cruz, Calif. Ice-shaving machine. 1,763,512; June 10.
- Goldstein, Adolph O., assignor to Sno-ko Inc., Santa Cruz, Calif. Casing for an ice-shaving machine. Des. 81,581; July 15.
- Goldstein, Adolph O., assignor to Sno-ko Inc., Santa Cruz, Calif. Ice-shaving device. 1,782,296; Nov. 18.
- Goldstein, Arthur, assignor to Eagle Knitting Mills, Milwaukee, Wis. Cap. 1,755,293; Apr. 22.
- Goldstein, Jacob, et al. (See Obidzinski, Anthony B., assignor.)
- Goldstein, Joseph. (See Weissman, J. I., and Goldstein, assignors.)
- Goldstein, Louis, Union City, N. J. Lace medallion. Des. 81,784; Aug. 12.
- Goldstein, Morris. (See Weissman, J. I., and Goldstein.)
- Goldstein, Samuel, Chicago, Ill. Garment. 1,771,253; July 22.
- Goldstine, Harry. (See Gustafson, Adolph P., assignor.)
- Goldstone, Abraham M., Baltimore, Md. Candelabra. 1,750,171; Mar. 11.
- Goldstone, Philip, Woodhaven, assignor to Gibbs & Hill, New York, N. Y. Apparatus for reducing interference. 1,774,645; Sept. 2.
- Goldwood, Gurton L., Toledo, Ohio. Christmas-tree holder. 1,766,170; June 24.
- Goldwyn, George I., assignor of one-half to H. Goldwyn, Chicago, Ill. Treating used burlap bags. 1,757,958; May 13.
- Goldwyn, Herman. (See Goldwyn, George I., assignor.)
- Golinkin, Allen L. (See Sloan, Arthur H., assignor.)
- Gollmar, Herbert E., East Orange, N. J., assignor to The Koppers Company, Pittsburgh, Pa. Liquid-aeration apparatus and process. 1,772,347; Aug. 5.
- Gollnick, Naomi. (See Gollnick, Paul A. and N.)
- Gollnick, Paul A., and F. W. Broderick, assignors, by mesne assignments, to Selectograph Company, Chicago, Ill. Recording device for addressing machines. 1,785,517; Dec. 16.
- Gollnick, Paul A. and N., assignors, by mesne assignments, to Selectograph Company, Chicago, Ill. Stencil sheet and preparing coating therefor. 1,758,789; May 13.
- Gollnick, Paul A., and G. Harred, assignors, by mesne assignments, to Selectograph Company, Chicago, Ill. Stacking mechanism. 1,756,920; Apr. 29.
- Gollnick, Paul A., J. J. Toolan, and G. Harred, assignors, by mesne assignments, to Selectograph Company, Chicago, Ill. Clutch mechanism. 1,765,527; June 24.
- Gollnick, Paul A., J. J. Toolan, and G. Harred, assignors, by mesne assignments, to Selectograph Company, Chicago, Ill. Ejector mechanism for addressing machines. 1,779,698; Oct. 28.
- Gollnick, Paul A., J. J. Toolan, and G. Harred, assignors, by mesne assignments, to Selectograph Company, Chicago, Ill. Delivery mechanism for addressing machines. 1,781,007; Nov. 11.
- Gollos, Anatol, Chicago, Ill. Radio apparatus. 1,751,081; Mar. 18.
- Gollwitzer, Walter T., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,765,370; June 24.
- Gollwitzer, Walter T., assignor to Addressograph Company, Chicago, Ill. Printing machine. 1,768,681; July 1.
- Gomand, Gabriel, Barcelona, Spain. Valve. 1,744,221; Jan. 21.
- Gombar, John F. (See Patten, R. W., Vrabell, Gombar, and Bell.)
- Gomes, Arthur E. (See Behrman, E. L., and Gomes.)
- Gomes, Joseph J. (See Anderson, James B., assignor.)
- Gómez, Ysauno, Ballinger, Tex. Plow. 1,766,380; June 24.
- Gomi, Tadashi D., New York, N. Y. Hand bag. Des. 82,149; Sept. 30.
- Gommel, Karl, Berlin, Germany. Typewriting machine. 1,748,172; Feb. 25.
- Gomory, William L., Chicago, Ill., assignor to Standard Oil Development Company. Continuous, low-temperature process and apparatus for treating hydrocarbons. 1,767,283; June 24.
- Gonard, John L., Englewood Cliffs, N. J. Device for preventing retrograde movement of vehicles. 1,778,799; Oct. 21.
- Gong Bell Manufacturing Company. (See Watrous, Clifford M., assignor.)
- Gongora, Thomas, jr., St. Louis, Mo. Radio receiving system. 1,751,235; Mar. 18.
- Gontard, Gilberto, Buenos Aires, Argentina. System for the combustion of oil. 1,751,236; Mar. 18.
- Gonyk, Ignatz, Vienna, Austria. Ladle for low-melting materials. 1,767,975; June 24.
- Gonzales, Belarmino, et al. (See Montano, Antonio, assignor.)
- Gonzales, Fred. (See Montano, Antonio, assignor.)
- Gonzalez, Alfredo, Habana, Cuba. Safety envelope. 1,765,146; June 17.
- Gonzalez, Augusto C., Reno, Nev. Airplane landing device. 1,786,649; Dec. 30.
- Gonzalez, Jess. (See Bermejo, L., and Gonzalez.)
- Goobich, Benjamin, et al. (See Alderfer, A. L., and Stora, assignors.)
- Goobich, David, et al. (See Alderfer, A. L., and Stora, assignors.)
- Goobich & DeVos. (See Alderfer, A. L., and Stora.)
- Good, David B., Mount Jackson, assignor of one-half to H. H. Martz, Mount Jackson, Va. Tonneau construction. 1,774,199; Aug. 26.
- Good Inventions Co. (See Good, John, assignor.)
- Good, John. (See Stevenson, M., and Good.)
- Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Engine-heating device. 1,761,388; June 3.
- Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Choke-operated throttle. 1,764,621; June 17.
- Good, John, Garden City, and E. O. Seaver, Mineola, assignors to Good Inventions Co., New York, N. Y. Oil burner. 1,774,137; Aug. 26.
- Good, John N. (See Thomas, T. H., and Good.)
- Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load brake. 1,750,635; Mar. 18.
- Good, Orrin S., New York, N. Y. Garment attachment. 1,773,456; Aug. 19.
- Good, Roscoe W., Pasadena, and J. Ceres, Monterey Park, Calif., assignors to The Texas Company, New York, N. Y. Advertising display device. 1,770,692; July 15.
- Good, Warren E., Harrisburg, Pa. Ice-cream holder. 1,747,112; Feb. 11.
- Goodall, Fred. (See Myers, N. H., and Goodall.)
- Goodall, Howard W., Aidan, Pa. Metal-covered rubber-fabric hose. 1,779,592; Oct. 28.
- Goodall Worsted Company. (See Nutter, William S., assignor.)
- Goodell, Edward G., Stevens Point, Wis. Treating black liquors. 1,779,535; Oct. 28.
- Goodell, Edward G., Stevens Point, Wis. Dehydrating black liquor. 1,779,536; Oct. 28.
- Goodell, Edward G., Stevens Point, Wis. Regenerating black liquors. 1,779,537; Oct. 28.

- Goodell, Edward G., Stevens Point, Wis. Processing black liquor and product derived therefrom. 1,779,768; Oct. 28.
- Goodell-Pratt Company. (See Farley, Fred E., assignor.)
- Goodell-Pratt Company. (See Severance, C. D., and Stetson, assignors.)
- Goodell, Richard C., Santa Barbara, Calif. Nutcracker. 1,743,449; Jan. 14.
- Goodenough, Wells P. (See Vilneau, W. W., and Chittenden, assignors.)
- Goodfellow, Earl B., New York, N. Y. Kitchen and table article. 1,744,883; Jan. 28.
- Goodfellow, Sampson J., Regina, Saskatchewan, assignor to Western Implements Limited, Regina, Canada. Grain-treating machine. 1,764,510; June 17.
- Goodfriend, Henry, assignor to Mutual Metal Manufacturing Company, Chicago, Ill. Lighting-fixture canopy or the like. Des. 82,494; Nov. 11.
- Goodfriend, Henry, assignor to Mutual Metal Manufacturing Company, Chicago, Ill. Lighting-fixture globe holder or the like. Des. 82,495; Nov. 11.
- Good House Keeping Aids, Incorporated. (See Lurtz, C., assignor.)
- Goodhouse, Paul, New York, N. Y. Fixture for indirect illumination. 1,780,125; Oct. 28.
- Goodhue, Roy A., Spokane, Wash. Dust collector. 1,770,074; July 8.
- Good Humor Corporation of America. (See Brimer, Thomas J., assignor.)
- Gooding, George E. (See Robinson, J. T., and Gooding.)
- Good Inventions Co. (See Good, J., and Seaver, assignors.)
- Goodloe, Alfred M., assignor to Exchange Lumber Company, Roanoke, Va. Garden golf. 1,742,702; Jan. 7.
- Goodloe, Alfred M., assignor to Exchange Lumber Company, Roanoke, Va. Toy machine gun. 1,759,304; May 20.
- Goodloe, Alfred M., Bradford, Pa., assignor, by mesne assignments, to American Air Filter Company, Louisville, Ky. Air filter. 1,753,653; Apr. 8.
- Goodloe, Alfred M., Bradford, Pa., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Air and gas filter. 1,765,720; June 24.
- Goodloe, Alfred M., Bradford, Pa., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Air filter. 1,771,846; July 29.
- Goodman, Abe, jr. (See Blough, Bert L., assignor.)
- Goodman, Abraham and J., Brooklyn, N. Y. Pinch waver. 1,781,812; Nov. 18.
- Goodman, Abraham and J., Brooklyn, N. Y. Double hair waver. 1,782,650; Nov. 25.
- Goodman, Abraham and J., Brooklyn, N. Y. Hair-waving device. 1,784,429; Dec. 9.
- Goodman, Abraham and J., Brooklyn, N. Y. Barrette. 1,784,430; Dec. 9.
- Goodman, Abraham, New York, and J. Goodman, Brooklyn, N. Y. Hair waver. 1,777,116; Sept. 30.
- Goodman, Avrom B., New York, N. Y., assignor to Ficks Reed Company, Cincinnati, Ohio. Chair. Des. 82,605; Nov. 25.
- Goodman, Fred, Milwaukee, Wis. Dressing stand. 1,777,275; Sept. 30.
- Goodman, H., & Sons, Inc. (See Vryn, Victor, assignor.)
- Goodman, Jacob. (See Goodman, Abraham and J.)
- Goodman, Lawrence M., Detroit, Mich. Emblem or similar article. Des. 80,869; Apr. 1.
- Goodman Manufacturing Company. (See Bodin, George, assignor.)
- Goodman Manufacturing Company. (See Buehler, Herbert A., assignor.)
- Goodman Manufacturing Company. (See Davis, Charles E., assignor.)
- Goodman Manufacturing Company. (See Doberstein, Edward J., assignor.)
- Goodman Manufacturing Company. (See Esseltine, Alfred B., assignor.)
- Goodman Manufacturing Company. (See Gray, Walter S., assignor.)
- Goodman Manufacturing Company. (See Hardick, Michael, assignor.)
- Goodman Manufacturing Company. (See Hicks, Frank V., assignor.)
- Goodman Manufacturing Company. (See Lindgren, Frank A., assignor.)
- Goodman Manufacturing Company. (See Packer, Glenn W., assignor.)
- Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
- Goodman Manufacturing Company. (See Sloane, William W., assignor.)
- Goodman Manufacturing Company. (See Vodoz, Frederick W., assignor.)
- Goodman, Patrick, Brooklyn, N. Y. Stopper for gas and water mains. 1,760,750; May 27.
- Goodman, Patrick, and B. Leone, Brooklyn, N. Y., said Leone assignor to said Goodman. Expansion plug for pipes. 1,747,933; Feb. 18.
- Goodman, William, et al. (See Howard, John, assignor.)
- Goodnow, Harry L., Chicago, Ill. Combined cigarette case and lighter. 1,761,985; June 3.
- Goodrich, B. F., Company, The. (See Bauman, Harry A., assignor.)
- Goodrich, B. F., Company, The. (See Bedford, Clayton W., assignor.)
- Goodrich, B. F., Company, The. (See Cadden, Charles C., assignor.)
- Goodrich, B. F., Company, The. (See Church, William F., assignor.)
- Goodrich, B. F., Company, The. (See Doty, John H., assignor.)
- Goodrich, B. F., Company, The. (See Fawn, Richard E., assignor.)
- Goodrich, B. F., Company, The. (See Fisher, Harry L., assignor.)
- Goodrich, B. F., Company, The. (See Fisher, H. L., and Winkelmann, assignors.)
- Goodrich, B. F., Company, The. (See Fritz, Howard E., assignor.)
- Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
- Goodrich, B. F., Company, The. (See Garvey, Benjamin S., assignor.)
- Goodrich, B. F., Company, The. (See Geer, William C., assignor.)
- Goodrich, B. F., Company, The. (See Geer, W. C., and Trumbull, assignors.)
- Goodrich, B. F., Company, The. (See Goodwin, John O., assignor.)
- Goodrich, B. F., Company, The. (See Gray, Harold, assignor.)
- Goodrich, B. F., Company, The. (See Hausbalter, Fred L., assignor.)
- Goodrich, B. F., Company, The. (See Howey, George R., assignor.)
- Goodrich, B. F., Company, The. (See Jones, Paul C., assignor.)
- Goodrich, B. F., Company, The. (See Jones, W. N., and Winkelmann, assignors.)
- Goodrich, B. F., Company, The. (See Kuhne, B. G., and Haiss, assignors.)
- Goodrich, B. F., Company, The. (See Leguillon, Charles W., assignor.)
- Goodrich, B. F., Company, The. (See Leguillons, C. W., and Gammeter, assignors.)
- Goodrich, B. F., Company, The. (See Mathias, Gilbert L., assignor.)
- Goodrich, B. F., Company, The. (See Mayne, Robert, assignor.)
- Goodrich, B. F., Company, The. (See Merrill, Allan B., assignor.)
- Goodrich, B. F., Company, The. (See Merz, Christian J., assignor.)
- Goodrich, B. F., Company, The. (See Mullin, Andrew B., assignor.)
- Goodrich, B. F., Company, The. (See Murphy, Harry J., assignor.)
- Goodrich, B. F., Company, The. (See Reed, Marion C., assignor.)
- Goodrich, B. F., Company, The. (See Richardson, Charles M., assignor.)
- Goodrich, B. F., Company, The. (See Richardson, C. M., and Boddle, assignors.)
- Goodrich, B. F., Company, The. (See Ritchey, Roscoe V., assignor.)
- Goodrich, B. F., Company, The. (See Schanz, George H., assignor.)
- Goodrich, B. F., Company, The. (See Scrote, Merle C., assignor.)
- Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
- Goodrich, B. F., Company, The. (See Slusher, Frank, assignor.)
- Goodrich, B. F., Company, The. (See Snyder, Clarence E., assignor.)
- Goodrich, B. F., Company, The. (See Trumbull, Harlan L., assignor.)
- Goodrich, B. F., Company, The. (See Waner, Harry E., assignor.)
- Goodrich, B. F., Company, The. (See Waner, H. E., and Freeman, assignors.)
- Goodrich, B. F., Company, The. (See Warner, Noah L., assignor.)
- Goodrich, B. F., Company, The. (See Wilson, George F., assignor.)
- Goodrich, B. F., Company, The. (See Wilson, G. F., and Waner, assignors.)
- Goodrich, B. F., Company, The. (See Winkelmann, Herbert A., assignor.)
- Goodrich, Cephus G., Wakefield, Va. Fertilizer distributor. 1,781,278; Nov. 11.
- Goodrich, Chauncey M., Windsor, Ontario, Canada. Monorail structure. 1,761,824; June 3.
- Goodrich, Chauncey M., Windsor, Ontario, Canada. Scaffold. 1,772,142; Aug. 5.
- Goodrich, Coy C., San Francisco, Calif. Ball-and-socket joint. 1,745,755; Feb. 4.
- Goodrich, Coy C., San Francisco, Calif. Lubricating system. 1,769,258; July 1.
- Goodrich, Francis H., Chicago, Ill., assignor to General Spring Bumper Corporation, Detroit, Mich. Bumper. 1,771,535; July 29.
- Goodrich, Francis H., and E. R. Keelor, Detroit, Mich., assignors, by mesne assignments, to General Spring Bumper Corporation, Bumper. 1,743,207; Jan. 14.
- Goodrich, John F. (See Osborn, J. H., and Goodrich.)
- Goodrich, Norris E., assignor, by mesne assignments, to Sanitarium Equipment Company, Battle Creek, Mich. Massaging machine. 1,750,303; Mar. 11.
- Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Massaging machine. 1,769,565; July 1.

- Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Massaging machine. 1,769,566; July 1.
- Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Massaging machine. 1,769,567; July 1.
- Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Massaging machine. 1,769,568; July 1.
- Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Massaging machine. 1,769,569; July 1.
- Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Therapeutic-lamp stand. 1,774,264; Aug. 26.
- Goodrich, Robert J. (See Gubelmann, I., Goodrich, and Dettwyler.)
- Goodrich, Robert J. (See Gubelmann, I., Goodrich, and Howell.)
- Goodrich, William F., Detroit, Mich. Ramp structure. 1,753,115; Apr. 1.
- Goodridge, George E., Reading, assignor to Arthur H. Ballard, Incorporated, Boston, Mass. Liquid-fuel-burning apparatus. 1,771,979; July 29.
- Goodridge, Gilbert W., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric fitting. 1,754,999; Apr. 15.
- Goodridge, Gilbert W., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,771,329; July 22.
- Goodridge, Gilbert W., Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment plug and receptacle. 1,782,297; Nov. 18.
- Good Roads Equipment Corporation. (See Coats, George A., assignor.)
- Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio signaling system. 1,746,829; Feb. 11.
- Goodrum, Charles L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 1,762,777; June 10.
- Goodrum, Thomas J., Houston, Tex. Toy. 1,778,384; Oct. 14.
- Goodspeed, Avis L. (See Goodspeed, Charles L., assignor.)
- Goodspeed, Charles L., Glen Rock, assignor to A. L. Goodspeed, Ridgewood, N. J. Electric plug. 1,775,564; Sept. 9.
- Goodspeed Investment Company. (See Williams, Chester I., assignor.)
- Goodspeed, Jack L., assignor to Prescott Iron Works, Seattle, Wash. Trim-saw lift unit. 1,783,362; Dec. 2.
- Goodspeed Machine Company. (See Hall, Walter H., assignor.)
- Goodspeed Machine Company. (See Witt, John J., assignor.)
- Goodwill, Dewey J., Turlock, Calif. Tractor power lift. 1,777,487; Oct. 7.
- Goodwill, John B., Telkwa, British Columbia, Canada. Bed spring. 1,748,018; Feb. 18.
- Goodwillie, David H., Toledo, assignor to The Edward Ford Plate Glass Company, Rossford, Ohio. Leer-oven arrangement. 1,742,652; Jan. 7.
- Goodwin, Carl W., Natick, Mass., assignor, by mesne assignments, to American Seal-Kap Corporation, Long Island City, N. Y. Bottle-capping mechanism. 1,779,593; Oct. 28.
- Goodwin, Clarence N., Raleigh, N. C. Cotton harvester. 1,745,925; Feb. 4.
- Goodwin, Edward J., assignor of one-half to J. O. Paris, Haverhill, Mass. Mold for sole-pressing machines. 1,768,050; June 24.
- Goodwin, Edwin B., Denver, Colo. Rotating filter. 1,753,910; May 13.
- Goodwin, Ernest G., Pelham, assignor to Standard Coupler Company, New York, N. Y. Spring. 1,763,146; June 10.
- Goodwin, Ernest G., Pelham, assignor to Standard Coupler Company, New York, N. Y. Coupler key. 1,763,429; June 10.
- Goodwin, Ernest G., Pelham, assignor to Standard Coupler Company, New York, N. Y. Cotter pin. 1,785,622; Dec. 16.
- Goodwin, George, Brentford, England, assignor to American Gasaccumulator Company, Elizabeth, N. J. Optical signal device. 1,764,622; June 17.
- Goodwin, Harry D., assignor to The Latimer Goodwin Chemical Company, Grand Junction, Colo. Emulsion and making same. 1,774,092; Aug. 26.
- Goodwin, James R., deceased, by P. E. Goodwin and W. C. Goodwin, administrators, assignors to The Steel Scaffolding Company, Evansville, Ind. Adjustable post bracket. 1,758,440; May 13.
- Goodwin, John B., San Francisco, Calif. Internal-combustion engine. 1,752,379; Apr. 1.
- Goodwin, John M., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oil. 1,786,650; Dec. 30.
- Goodwin, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for forming plastic bodies upon cores. 1,745,482; Feb. 4.
- Goodwin, Leland S., and W. A. Michaud, Salem, Mass. Leather-spraying machine. 1,759,349; May 20.
- Goodwin, Loomis McA., Raleigh, N. C. Insect-destroying device. 1,759,693; May 20.
- Goodwin, Norris, Los Angeles, Calif., assignor, by mesne assignments, to Delano Land Company. Vulcanizable plastic composition. 1,758,151; May 13.
- Goodwin, Norris, Long Beach, Calif., assignor, by mesne assignments, to Delano Land Company. Producing a finely-divided carbon. 1,758,152; May 13.
- Goodwin, Percy E., et al., administrators. (See Goodwin, James R.)
- Goodwin, Percy E., assignor to The Steel Scaffolding Company, Evansville, Ind. Scaffold bracket. 1,762,659; June 10.
- Goodwin, Ralph T., Elizabeth, N. J., assignor to Standard Oil Development Company. Briquette. 1,749,378; Mar. 4.
- Goodwin, Roy, Wilmette, Ill. Sterilizer for clippers. 1,777,521; Oct. 7.
- Goodwin, Selden J., San Francisco, Calif. Lock device. 1,781,813; Nov. 18.
- Goodwin, Victor E., Pittsfield, Mass., assignor to General Electric Company. Lightning arrester. 1,754,158; Apr. 8.
- Goodwin, Walter C., et al., administrators. (See Goodwin, James R.)
- Goodwin, William G., Royal Oak, Mich. Mold. 1,783,285; Dec. 2.
- Goodwin, William N., jr., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Apparatus for the measurement of very weak alternating currents. 1,746,935; Feb. 11.
- Goody, Forest D., Denver, Colo. Concentrator. 1,752,169; Mar. 25.
- Goodyear, Adolph O., Cleveland, Ohio. Loud-speaker. 1,764,015; June 17.
- Goodyear Redwood Co. (See Lawson, Davenport, assignor.)
- Goodyear, Robert, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 1,755,439; Apr. 22.
- Goodyear Tire & Rubber Company, The. (See Beebe, Paul, assignor.)
- Goodyear Tire & Rubber Company, The. (See Berwick, Jo D., assignor.)
- Goodyear Tire & Rubber Company, The. (See Brittain, Harold A., assignor.)
- Goodyear Tire & Rubber Company, The. (See Brown, Harold M., assignor.)
- Goodyear Tire & Rubber Company, The. (See Buffum, Thomas B., assignor.)
- Goodyear Tire & Rubber Company, The. (See Burdette, Richard S., assignor.)
- Goodyear Tire & Rubber Company, The. (See Burkley, C. J., and Kimmich, assignors.)
- Goodyear Tire & Rubber Company, The. (See Calvert, William C., assignor.)
- Goodyear Tire & Rubber Company, The. (See Campbell, Wallace H., assignor.)
- Goodyear Tire & Rubber Company, The. (See Carson, Clarence M., assignor.)
- Goodyear Tire & Rubber Company, The. (See Cattran, Charles, assignor.)
- Goodyear Tire & Rubber Company, The. (See Clifford, Albert M., assignor.)
- Goodyear Tire & Rubber Company, The. (See Cooper, James F., assignor.)
- Goodyear Tire & Rubber Company, The. (See Darrow, Burgess, assignor.)
- Goodyear Tire & Rubber Company, The. (See Evans, Rhys D., assignor.)
- Goodyear Tire & Rubber Company, The. (See Haase, Jorgen I., assignor.)
- Goodyear Tire & Rubber Company, The. (See Hall, Lindsay S., assignor.)
- Goodyear Tire & Rubber Company, The. (See Harrington, Daniel S., assignor.)
- Goodyear Tire & Rubber Company, The. (See Hoenes, Herman J., assignor.)
- Goodyear Tire & Rubber Company, The. (See Keller, Parry, assignor.)
- Goodyear Tire & Rubber Company, The. (See Kimmich, Elmer G., assignor.)
- Goodyear Tire & Rubber Company, The. (See Kirk, Raphael S., assignor.)
- Goodyear Tire & Rubber Company, The. (See Klaus, Fred R., assignor.)
- Goodyear Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
- Goodyear Tire & Rubber Company, The. (See Jenkinson, Ross E., assignor.)
- Goodyear Tire & Rubber Company, The. (See Maas, Elov F., assignor.)
- Goodyear Tire & Rubber Company, The. (See Mallory, Gerald D., assignor.)
- Goodyear Tire & Rubber Company, The. (See Nelson, Max C., assignor.)
- Goodyear Tire & Rubber Company, The. (See Roth, Charles H., assignor.)
- Goodyear Tire & Rubber Company, The. (See Rowland, Ben W., assignor.)
- Goodyear Tire & Rubber Company, The. (See Sebrell, Lorin B., assignor.)
- Goodyear Tire & Rubber Company, The. (See Sebrell, L. B., and Teppema, assignors.)
- Goodyear Tire & Rubber Company, The. (See Shively, Jess A., assignor.)
- Goodyear Tire & Rubber Company, The. (See Shively, Walter E., assignor.)
- Goodyear Tire & Rubber Company, The. (See Snyder, Robert W., assignor.)

- Goodyear Tire & Rubber Company, The. (See State, Will C., assignor.)
- Goodyear Tire & Rubber Company, The. (See Swern, William E., assignor.)
- Goodyear Tire & Rubber Company, The. (See Teegarden, Homer R., assignor.)
- Goodyear Tire & Rubber Company, The. (See Templeton, Edwin G., assignor.)
- Goodyear Tire & Rubber Company, The. (See Teppema, Jan, assignor.)
- Goodyear Tire & Rubber Company, The. (See Van Orman, Ward T., assignor.)
- Goodyear Tire & Rubber Company, The. (See Warden, James C., assignor.)
- Goodyear Tire & Rubber Company, The. (See Wetmore, Laurence, assignor.)
- Goodyear Tire & Rubber Company, The. (See Wirgman, W. F., jr., and Tedrow, assignors.)
- Goodyear Tire & Rubber Company, The. (See Woodward, Alva W., assignor.)
- Goodyear-Zeppelin Corporation. (See Arnstein, Karl, assignor.)
- Goodyear-Zeppelin Corporation. (See Helma, P., and Bauch, assignors.)
- Goodyear-Zeppelin Corporation. (See Helma, P., and Klemperer, assignors.)
- Goodyear-Zeppelin Corporation. (See Huerttle, Karl, assignor.)
- Goodyear-Zeppelin Corporation. (See Klemperer, Wolfgang B., assignor.)
- Goodyear-Zeppelin Corporation. (See Kraft, Herman T., assignor.)
- Goodyear-Zeppelin Corporation. (See Liebert, Richard, assignor.)
- Goodyear Zeppelin Corporation. (See Siegel, Wilhelm, assignor.)
- Goodyear's India Rubber Glove Mfg. Co. (See Watkins, Parke H., assignor.)
- Goodyear's Metallic Rubber Shoe Company, The. (See Clifford, John W., assignor.)
- Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Inserting fasteners. 1,748,951; Mar. 4.
- Gookin, Sylvester L., Atlantic, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Eyelet. 1,748,952; Mar. 4.
- Goost, Theodor. (See Klingemann, F., Lommel, Korten, and Goost.)
- Goostay, Joseph, East Milton, assignor to Hunt-Spiller Manufacturing Corporation, Boston, Mass. Brake Drum. 1,775,521; Sept. 9.
- Gopold, Hubert, Zubak, Czechoslovakia. Circular-saw machine. 1,787,195; Dec. 30.
- Goranson, David. (See Goranson, H., and David.)
- Goranson, David. (See Goranson, Hjalmar and D.)
- Goranson, David. (See Goranson, H., David, and Youman.)
- Goranson, Hjalmar and D., San Jose, assignors to California Packing Corporation, San Francisco, Calif. Fruit-peeling machine. 1,747,706; Feb. 18.
- Goranson, Hjalmar and D., San Jose, assignors, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitter. 1,785,012; Dec. 16.
- Goranson, Hjalmar and D., Sunnyvale, and B. C. Youman, assignors to California Packing Corporation, San Francisco, Calif. Fruit-pitting machine. 1,742,653; Jan. 7.
- Gorbutt, Sidney B., assignor to Willamette Iron and Steel Works, Portland, Ore. Logging engine. 1,760,828; May 27.
- Gorbutt, Sidney B., assignor to Willamette Iron and Steel Works, Portland, Ore. Steam boiler. 1,760,829; May 27.
- Gorbutt, Sidney B., assignor, by mesne assignments, to Willamette-Ersted Company, Portland, Ore. Bracket for tractor hoists. 1,780,646; Nov. 4.
- Gordenstein, Harry, Springfield, Mass. Dry stencil. 1,761,722; June 3.
- Gordlon, Harry L., The Dalles, Ore. Rail plate. 1,754,750; Apr. 15.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Two-weave loom dobby. 1,756,590; Apr. 29.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft-replenishing looms. 1,760,982; June 3.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing loom. 1,766,895; June 24.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking motion for looms. 1,777,360; Oct. 7.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Color-slide control for multi-color magazines. 1,786,711; Dec. 30.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom dobby. 1,786,712; Dec. 30.
- Gordon, Albert A., and R. M. Cook, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Dobby lever for looms. 1,766,744; June 24.
- Gordon, Albert A., and I. H. Verry, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking motion for looms. 1,760,981; June 3.
- Gordon, Benjamin, Philadelphia, Pa. Toy. 1,771,920; July 29.
- Gordon, Charles W., Pleasantville, assignor to The Superheater Company, New York, N. Y. Tube sheet. 1,756,458; Apr. 29.
- Gordon, Chester S., Boonton, and J. T. Lowe, Newark, N. J., assignor to American Telephone and Telegraph Company. Insulator. 1,760,983; June 3.
- Gordon, Cyril J., and D. D. Goldberg, Chicago, Ill. Automatic shut-off for faucets. 1,744,073; Jan. 21.
- Gordon, David D., assignor to Economy Fuse & Manufacturing Co., Chicago, Ill. Electric-switch mechanism. 1,745,161; Jan. 28.
- Gordon, Edward L., McKees Rocks, Pa. Bottle cap and measuring device. 1,780,875; Nov. 4.
- Gordon, Edward L., Pittsburgh, Pa. Frozen confection. 1,786,606; Dec. 30.
- Gordon, Fannie B., Chicago, Ill. Cosmetic appliance. 1,759,451; May 20.
- Gordon, George N., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking and gauging device. 1,756,087; Apr. 29.
- Gordon, George N., and G. Sampson, Brockton, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Buffing machine. 1,763,774; June 17.
- Gordon, Gerald D., Marion, Iowa. Motor heating and cooling system. 1,749,424; Mar. 4.
- Gordon, Harry, Brooklyn, N. Y. Scarf. Des. 81,785; Aug. 12.
- Gordon, Harry, Brooklyn, N. Y. Scarf. Des. 82,257; Oct. 14.
- Gordon Hollon Blast & Grate Company. (See Tower, Francis E., assignor.)
- Gordon, James. (See Armstrong, C. H., and Gordon.)
- Gordon, James & Company Limited. (See Armstrong, C. H., and Gordon, assignors.)
- Gordon, James, Chicago, Ill. Ironing machine. 1,745,162; Jan. 28.
- Gordon, James C., Detroit, Mich. Apparatus for handling dough. 1,750,002; Mar. 11.
- Gordon, John F., Nitrate Plant, Ala. Change-speed gear for bicycles. 1,773,996; Aug. 26.
- Gordon, Julius G., Seattle, Wash. Rim tool. 1,773,780; Aug. 26.
- Gordon, Leslie S., Chicago, Ill. Camera. 1,754,356; Apr. 15.
- Gordon, Leslie S., Chicago, Ill. Camera. 1,754,357; Apr. 15.
- Gordon, Lucius H., Melrose, Mass. Guard rail for railroad-track scales. 1,770,400; July 15.
- Gordon Manufacturing Co. (See Paull, Eldred H., assignor.)
- Gordon, Samuel, Brooklyn, N. Y. Doll. Des. 81,786; Aug. 12.
- Gordon, Samuel W., Canal Fulton, Ohio. Lathe center. 1,758,717; May 13.
- Gordon, William. (See Paull, Eldred H., assignor.)
- Gordon, William, Union, N. J. Screw-actuated vise. 1,753,924; Apr. 8.
- Gordon, William C., Findlay, Ohio. Safety device for submarines. 1,777,693; Oct. 7.
- Gore, Jehu T., Drexel Hill, Pa. Inclosure for automobiles. 1,750,040; Mar. 11.
- Gore, Thomas, Brooklyn, N. Y. Reinforcing element for the beads of automobile shoes. 1,774,748; Sept. 2.
- Gore, Thomas, Brooklyn, N. Y. Securing together two intersecting strands. 1,781,458; Nov. 11.
- Gorham Manufacturing Company. (See Jenks, Barton P., assignor.)
- Gorham, Marvine, Buffalo, N. Y., assignor to Michigan Steel Casting Company, Detroit, Mich. Roller-mill guide. 1,783,148; Nov. 25.
- Gorham, Walter E., Verdun, Quebec, Canada. Folding band basin. 1,746,422; Feb. 11.
- Gorham, Walter G. (See McKay, R. F., Willshaw, Gorham, and Lee.)
- Goriup, Frank J., assignor to Wolverine Supply & Manufacturing Company, Pittsburgh, Pa. Water-mill toy. Des. 81,232; May 27.
- Goriup, Frank J., assignor to Wolverine Supply & Manufacturing Company, Pittsburgh, Pa. Toy. 1,754,823; Apr. 15.
- Gorjan, Elsa, Zagreb, Yugoslavia. Bathing shoe. 1,785,623; Dec. 16.
- Gorlick, Andrew J., Cleveland, Ohio. Liquid-vending apparatus. 1,769,504; July 1.
- Gorlick, Andrew J., Cleveland, Ohio. Liquid dispenser. 1,769,505; July 1.
- Gorman, Charles W., Muskogee, Okla. Quick-make and quick-break switch. 1,763,962; June 17.
- Gorman, Charles W., Muskogee, Okla. Disconnecter. 1,778,360; Oct. 14.
- Gorman, Henry B., Lynchburg, Va., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole. 1,744,759; Jan. 28.
- Gorman, Henry B., Lynchburg, Va., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole. 1,782,466; Nov. 25.
- Gorman, Thomas J., jr., Newark, N. J. Sealing can-containing cartons. 1,761,787; June 3.
- Gormley, Frank L., Chicago, Ill. Chain hoist. 1,756,459; Apr. 29.
- Gormsen, Harald F., Scarsdale, N. Y. Coal chute. 1,776,757; Sept. 23.
- Gorr, Walter B., assignor to Skinner Engine Company, Erie, Pa. Steam engine. 1,753,925; Apr. 8.

- Gorree, Frederick, Stratford, Ontario, Canada. Workholder clamping mechanism. 1,743,339; Jan. 14.
- Gorrell, William R., Alhambra, and H. Barkschat, Los Angeles, Calif. Rail-anchoring means or spike lock. 1,774,968; Sept. 2.
- Gorski, Michael, assignor to Brinsmere Boat & Cycle Company, Milwaukee, Wis. Water vehicle. 1,761,884; June 3.
- Gorsline, Samuel G. (See Wery, Jules, assignor.)
- Gorsse, Carlos A., Buenos Aires, Argentina. Luminous screen for advertising purposes. 1,779,732; Oct. 28.
- Gorsuch, Howard F. (See Hughes, A. S., and Gorsuch.)
- Gorsuch, Howard F., and A. S. Hughes, assignors to Hughes-Keenan Company, Mansfield, Ohio. Loader. 1,785,119; Dec. 16.
- Gorsuch, Robert A., Gambier, Ohio. Knockdown inclosure for chicks. 1,747,472; Feb. 18.
- Gorsuch, Robert A., Gambier, Ohio. Shipping box for chicks. 1,781,279; Nov. 11.
- Gortner, James E., Shamokin, Pa. Radiator unit. 1,744,074; Jan. 21.
- Gortner, Ross A., and W. F. Hoffman, St. Paul, assignors to The Northwest Paper Company, Cloquet, Minn. Purified fiber. 1,757,768; May 6.
- Gorton, George, Machine Company. (See Henkes, Peter M., assignor.)
- Gorton, Thomas S., jr., Evanston, Ill. Label. 1,756,944; May 6.
- Gosch, Harry E., assignor to Creo-Dipt Company, Inc., North Tonawanda, N. Y. Staining shingles. 1,772,542; Aug. 12.
- Gosch, Harry E., assignor to Creo-Dipt Company Inc., North Tonawanda, N. Y. Apparatus for draining bundles of shingles and the like. 1,773,265; Aug. 19.
- Gosch, William H., Reading, and A. Kohout, Shillington, assignors to The Nolde and Horst Company, Reading, Pa. Hank-bundling device. 1,783,236; Dec. 2.
- Gosden, Freeman F., et al. (See Marx, Louis, assignor.)
- Goshorn, Robert R., assignor to The All-Ways-Hot Mfg. Co., Jasonville, Ind. Magnetic liquid heater. 1,750,958; Mar. 18.
- Gosling, Henry A. (See Stanton, W. J., and Gosling.)
- Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lighting device. Des. 81,233; May 27.
- Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lamp. Des. 81,532; July 8.
- Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lamp. Des. 81,582; July 15.
- Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lamp globe. Des. 82,407; Oct. 28.
- Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lamp support. Des. 82,641; Nov. 25.
- Gosmann, Walther, Dortmund, Germany. Hand fire extinguisher. 1,776,807; Sept. 30.
- Gosmann, Walther, and M. Stoeck, Dortmund, Germany. Accumulator for miners' electrical lamps. 1,743,540; Jan. 14.
- Gosnell, Jesse L., St. Joseph, Mo. Locomotive-wedge-bolt attachment. 1,748,340; Feb. 25.
- Gosnell, Van G., Hamilton, Ontario, Canada. Facilitating the fitting of shoes. 1,752,254; Mar. 25.
- Gosner, William K., Atlantic City, N. J. Aircraft construction. 1,763,147; June 10.
- Gosparlin, Frederick, Chicago, Ill. Combination chin rest and shoulder pad. 1,760,593; May 27.
- Gosparlin, Frederick, Chicago, Ill. Bridge for stringed musical instruments. 1,783,117; Nov. 25.
- Goss, Byron C., Cleveland, Ohio, assignor to The Lake Erie Chemical Company. Gas-generating chemical. 1,750,101; Mar. 11.
- Goss and De Leeuw Machine Company, The. (See De Leeuw, Adolph L., assignor.)
- Goss, Harold J., assignor to The International Paper Box Machine Company, Nashua, N. H. Power-operated counter. 1,765,418; June 24.
- Goss, Harold J., assignor to The International Paper Box Machine Company, Nashua, N. H. Envelope machine. 1,765,419; June 24.
- Goss, Harold J., assignor to The International Paper Box Machine Company, Nashua, N. H. Machine for making set-up boxes. 1,765,420; June 24.
- Goss, John H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Floating trim stud. 1,757,424; May 6.
- Goss Printing Press Company. (See Brueshaber, Martin W., assignor.)
- Goss Printing Press Company, The. (See Cox, Paul F., assignor.)
- Goss Printing Press Company, The. (See Cox, P. F., and J. L., assignors.)
- Goss Printing Press Company. (See Evensen, William, assignor.)
- Goss Printing Press Co., The. (See Rada, Joseph, assignor.)
- Goss Printing Press Co., The. (See Richter, Charles J., assignor.)
- Goss, Samuel F., Portland, Oreg. Primer valve. 1,759,826; May 20.
- Gosse, William K., Chicago, Ill. Valve mechanism. 1,786,397; Dec. 23.
- Gösser, Adolf, Hennef-Sieg, Germany. Game. 1,755,730; Apr. 22.
- Gossett, Chester A. (See Van Dooren, Frank J., assignor.)
- Gossler, Oscar, Hamburg, Germany. Insulating body of spun glass. 1,771,216; July 22.
- Gotcher, Irvin L., Bradshaw, Tex. Dump body for vehicles. 1,742,248; Jan. 7.
- Gotelli, Anthony, New York, N. Y. Pitting fruit. 1,755,872; Apr. 22.
- Gotham Knitbac Machine Corporation. (See Hohmann, Richard K., assignor.)
- Gotham Knitbac Machine Corporation. (See Leavin, William H., assignor.)
- Gotham Knitting Machine Corporation. (See Leavin, William H. and S. B., assignors.)
- Gotham Knitbac Machine Corporation. (See Parlani, Alexander C., assignor.)
- Gotham Silk Hosiery Company. (See Parlani, Alexander C., assignor.)
- Gotlieb, Stephen. (See Klein, P., Szegvári, and Gotlieb.)
- Gotlieb, Benjamin, New York, N. Y. Electric-cord take-up. 1,748,601; Feb. 25.
- Gotlieb, Israel, and S. J. T. Stout, Philadelphia, Pa. Machine for forming fish cakes and the like. 1,758,942; May 20.
- Gottschalk, Paul, assignor to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Device for packing cigarettes, cigarillos, or similar-shaped articles bearing an imprint. 1,747,237; Feb. 18.
- Gottschalk, Paul, assignor to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Turning cigarettes. 1,777,361; Oct. 7.
- Gottschalk, Prosper L., Wauwatosa, Wis. Bed. 1,775,240; Sept. 9.
- Gottschau, Christian M., Columbus, Ohio, assignor to Picture Machine Service Corporation. Motion-picture-projecting apparatus. 1,784,138; Dec. 9.
- Gottshall, Tyler B., Souderton, Pa. Megaphone. 1,767,358; June 24.
- Gottwald, Christian, assignor to The Ric-Wil Company, Cleveland, Ohio. Supporting means for pipes in conduits. 1,763,775; June 17.
- Goubert, Miguel, Bogota, Colombia. Musical toy. 1,774,436; Aug. 26.
- Goucher, Elma E., and R. B. Cummings, McMinnville, Oreg. Electrical swivel. 1,749,702; Mar. 4.
- Goudard, Félix, Neuilly sur Seine, France. Carburetor. 1,785,681; Dec. 16.
- Goudard, Maurice, Neuilly sur Seine, France. Carburetor. 1,755,988; Apr. 22.
- Goudard, Maurice, Neuilly Sur Seine, France. Carburetor. 1,768,051; June 24.
- Goudard, Maurice, assignor to "Société Anonyme Solex," Neuilly-sur-Seine, France. Regulation in the output of liquids. 1,743,966; Jan. 14.
- Goudard, Maurice, assignor to Société Anonyme Solex, Neuilly, France. Carburetor. 1,781,576; Nov. 11.
- Goudard, Maurice, assignor to "Société Anonyme Solex", Neuilly, France. Temperature-control device. 1,787,310; Dec. 30.
- Goudielock, William B. O'B. (See de Berker, U., Machin, and Goudielock.)
- Goudielock, William B. O'B. (See Machin, W., and Goudielock.)
- Goudsmit, Maurits J., The Hague, Netherlands. Music-time indicator. 1,783,537; Dec. 2.
- Goudy, Carl F., Flushing, assignor to Pacent Electric Co., Inc., New York, N. Y. Electric-phonograph pick-up or similar article. Des. 80,367; Jan. 21.
- Goudy, Carl F., Flushing, N. Y. Electric phonograph pickup or similar article. Des. 81,690; July 29.
- Goudy, Carl F., Flushing, assignor to Pacent Radio Corporation, New York, N. Y. Electric phonograph. 1,749,072; Mar. 4.
- Goudy, Carl F., Flushing, assignor to Pacent Radio Corporation, New York, N. Y. Phonograph pick-up. 1,750,304; Mar. 11.
- Goudy, Carl F., Flushing, N. Y. Tube adapter. 1,774,646; Sept. 2.
- Goudy, Carl F., Flushing, assignor to Pacent Electric Company, Inc., New York, N. Y. Electric phonograph reproducer. 1,779,231; Oct. 21.
- Gough Aircraft Corporation. (See Gough, Frank E., assignor.)
- Gough, Arthur C., Fitchburg, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Burnishing rollers for axle lathes. 1,748,285; Feb. 25.
- Gough, Frank E., Oklahoma City, Okla., assignor to Gough Aircraft Corporation. Internal-combustion engine. 1,744,542; Jan. 21.
- Gough, Fred J., Fort Dodge, Iowa, W. M. McNeil, Chicago, Ill., and F. D. Pfeffer, Fort Dodge, Iowa, assignors to United States Gypsum Company, Chicago, Ill. Mixer for stucco compositions. 1,767,791; June 24.
- Gough, Frederick W. (See Warsop, H. E., and Gough.)
- Gough, Joseph, Newark, N. J., assignor to Gough Stemming Machine Corporation, New York, N. Y. Leaf-handling machinery. 1,753,373; Apr. 8.
- Gough, Joseph, Newark, N. J., assignor to Gough Stemming Corporation, New York, N. Y. Stemming apparatus. 1,774,899; Sept. 2.
- Gough Stemming Machine Corporation. (See Gough, Joseph, assignor.)
- Goughnour, Charles L., Jefferson City, Tenn. Steam cooker. 1,756,787; Apr. 29.
- Gould, Alonzo C., Everett, Wash. Combination bed davenport. 1,761,261; June 3.

- Gould, Arthur R., Kansas City, Kans. Heating device. 1,751,581; Mar. 25.
- Gould, Benjamin, Brooklyn, assignor to Gem Appliances Inc., New York, N. Y. Electric mixer. 1,743,271; Jan. 14.
- Gould, Benjamin, Brooklyn, N. Y. Electric mixer. 1,774,509; Sept. 2.
- Gould Coupler Company, The. (See Barrows, Donald S., assignor.)
- Gould Coupler Company, The. (See Couch, Glenn F., assignor.)
- Gould Coupler Company, The. (See Richards, Willard F., assignor.)
- Gould Coupler Company. (See Sauvage, William H., assignor.)
- Gould & Eberhardt. (See Jacobson, Hugo W., assignor.)
- Gould & Eberhardt. (See Zimmermann, William F., assignor.)
- Gould, James O., Summerville, Pa. Rail nut lock. 1,783,876; Dec. 2.
- Gould, Jay A., Andover, Mass. Solar water heater. 1,747,826; Feb. 18.
- Gould, John H., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Steam generator for motor-vehicle heaters. 1,770,980; July 22.
- Gould, John H., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Steam heater for motor vehicles. 1,775,638; Sept. 16.
- Gould, John R., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,762,778; June 10.
- Gould Pumps, Inc. (See Pomeroy, William D., assignor.)
- Gould, Roy F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,743,130; Jan. 14.
- Gould, Roy F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,763,887; June 17.
- Gould, Roy F., assignor to Reserve Holding Company, Chicago, Ill. Signaling system. 1,775,489; Sept. 9.
- Gould, Roy F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,775,522; Sept. 9.
- Gould Storage Battery Company. (See Chamberlain, Rufus N., assignor.)
- Gould Storage Battery Company. (See Gould, W. S., and Klock, assignors.)
- Gould Storage Battery Company. (See Klock, Raymond A., assignor.)
- Gould Storage Battery Company. (See Snyder, Almond H., assignor.)
- Gould, Sydney R., Bakersfield, Calif. Vacuum-cleaner attachment for automobile engines. 1,750,800; Mar. 18.
- Gould, William S., New York, N. Y., and R. A. Klock, Closter, N. J., assignors, by mesne assignments, to Gould Storage Battery Company, Inc., New York, N. Y. Electrical switch. 1,747,063; Feb. 11.
- Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail. 1,761,119; June 3.
- Gouldbourn, Joseph, and W. T. Minett, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Welt grooving and beveling machine. 1,743,208; Jan. 14.
- Gouldbourn, Joseph, and F. Ricks, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat-fitting machine. 1,742,503; Jan. 7.
- Gouldbourn, Joseph, and F. Ricks, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,776,430; Sept. 23.
- Goulds Pumps, Incorporated. (See Pomeroy, William D., assignor.)
- Gourlay, Alexander H., Lombard, and C. W., Skogh, Chicago, assignors to Magill-Weinsheimer Company, Chicago, Ill. Indoor putting green. 1,773,813; Aug. 26.
- Gourley, Glenn T., assignor to General Fireproofing Company, Youngstown, Ohio. Knockdown metal cabinet. 1,782,344; Nov. 18.
- Goutal, Edouard. (See Hennebutte, H., and Goutal.)
- Gover, Alfred E., Glendale, Calif. Electric scintillating jeweler's advertising device. 1,771,710; July 29.
- Gover, Victor J., New Haven, Conn. Tension device. 1,750,515; Mar. 11.
- Government and the People of the United States of America. (See Frey, Ralph W., assignor.)
- Governors of the University of Alberta, The. (See Boomer, Edward H., assignor.)
- Govers, Francis X., Lawrenceville, Ill. Condenser. 1,761,035; June 3.
- Gow, Alexander M., deceased, Duluth, Minn., American Exchange National Bank of Duluth, executor. Furnace. 1,769,220; July 1.
- Gowan, William, Folkestone, assignor to The Cape Body Limited, London, England. Motor-vehicle body. 1,786,990; Dec. 30.
- Gowen, John, Corbyville, Ontario, Canada. Holder for reins and the like. 1,768,596; July 1.
- Gowing, Henry A., Newton Center, and S. O. Dodge, Medford, assignors to H. F. Livermore Co., Allston, Mass. Electric feeler mechanism. 1,747,296; Feb. 18.
- Goyke, Harry A., deceased, and R. C. La Due, Clinton Corners, N. Y.; N. Goyke, administratrix. Road-map holder. 1,766,896; June 24.
- Goyke, Naomi, administratrix. (See Goyke, H. A., and La Due.)
- Grab, Gustav A., assignor, by mesne assignments, to Willamette-Ersted Company, Portland, Oreg. Traversing hoist. 1,757,798; May 6.
- Grab, Gustav A., Portland, Oreg. Frame for traversing hoists. 1,781,754; Nov. 18.
- Grabelsky, Israel, New York, N. Y., assignor to Universal Fringe Works, Inc., Fringe. Des. 82,741; Dec. 9.
- Grabich, Nicola, West New York, N. J. Life-saving device for ships and the like. 1,766,021; June 24.
- Grable, Hugh R., Canton, Ohio. Adjustable door frame. 1,775,720; Sept. 16.
- Grabler Manufacturing Company, The. (See Rosenfeld, Edward L., assignor.)
- Grabler, Peter, Rocky River, Ohio, assignor to G. Stevenson, Buffalo, N. Y. Copyholder. 1,742,389; Jan. 7.
- Grabler, Peter, Rocky River, assignor to Grabler Stabilizer Co., Cleveland, Ohio. Shock absorber. 1,784,005; Dec. 9.
- Grabler Stabilizer Co. (See Grabler, Peter, assignor.)
- Grabowski, Frank J., Philadelphia, Pa. Velocipede construction. 1,760,830; May 27.
- Grace, Frank A., Newcastle, Ind. Clutch mechanism. 1,746,392; Feb. 11.
- Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Manhole cover plate. 1,745,848; Feb. 4.
- Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser. 1,772,805; Aug. 12.
- Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Adjustable supporting plate for surface condensers. 1,772,806; Aug. 12.
- Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Surface condenser. 1,772,807; Aug. 12.
- Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Steam condenser. 1,780,476; Nov. 4.
- Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser. 1,780,477; Nov. 4.
- Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser. 1,780,478; Nov. 4.
- Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser. 1,781,107; Nov. 11.
- Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Exhaust connection for condensers. 1,781,108; Nov. 11.
- Grace, Laurence G., assignor to Duplex Piston Valve (N. Z.) Limited, Wellington, New Zealand. Internal-combustion engine. 1,777,792; Oct. 7.
- Grace, Richard W., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Testing jack and plug. 1,764,016; June 17.
- Grace, Thomas C., Manor, Pa. Hose-supporter clasp. 1,770,268; July 8.
- Grace, Victor F., Los Angeles, Calif. Bubble-tower baffle plate. 1,743,131; Jan. 14.
- Grace, Victor F., Los Angeles, Calif. Combination bubble cap and downflow. 1,744,543; Jan. 21.
- Gracey, Harvey H., Fort Worth, Tex. Oil separator. 1,754,789; Apr. 15.
- Gradolph, William F., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 1,762,552; June 10.
- Grady, Charles B., West Orange, N. J., assignor to Metropolitan Engineering Corporation. Heat exchanger. 1,779,538; Oct. 28.
- Grady, Frank R., Caldwell, assignor to Eureka Fire Hose Manufacturing Company, Jersey City, N. J. Uniting tubular members. 1,753,005; Apr. 1.
- Grady, James T., Wauomassa, N. J. Roaster for wieners and the like. 1,776,501; Sept. 23.
- Grady, Stephen S., Magnolia, N. C., assignor to Fusold Electric Co., Inc. Circuit breaker. 1,767,843; June 24.
- Graeber, Rudolph, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Flat-knitting frame. 1,749,479; Mar. 4.
- Graetzer, Otto, Zurich-Zollikon, Switzerland. Automatic cistern for liquids. 1,752,986; Apr. 1.
- Graf, Alfons, New York, N. Y. Baker's pan. 1,766,508; June 24.
- Graf, Arthur J., assignor to Northwestern Specialty Company, Fond du Lac, Wis. Toy. 1,744,544; Jan. 21.
- Graf, Edward F. (See Proudfit, W. S., and Graf.)
- Graf, Edward F., assignor, by mesne assignments, to Cyrus B. Newcomb, Grand Rapids, Mich. Loose-leaf binder. 1,765,579; June 24.
- Graf, Edward F., assignor to Winters & Crampton Mfg. Co., Grand Rapids, Mich. Latch. 1,781,172; Nov. 11.
- Graf, Edward H., assignor to The Lusifer Products Company, Cleveland, Ohio. Manufacture of steel. 1,777,081; Sept. 30.
- Grafenstatt, Emil S., Los Angeles, Calif. Deep-well pump. 1,767,879; June 24.
- Grafenstatt, Emil S., Los Angeles, Calif. Deep-well pump. 1,767,880; June 24.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Handle. Des. 80,519; Feb. 18.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Clock case. Des. 80,613; Mar. 4.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Clock case. Des. 80,614; Mar. 4.

- Graff, George, assignor to The Dura Company, Toledo, Ohio. Clock case. Des. 80,615; Mar. 4.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Clock case. Des. 80,616; Mar. 4.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Hinge assembly for refrigerators or the like. Des. 80,617; Mar. 4.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Hinge assembly for refrigerators or the like. Des. 80,618; Mar. 4.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Latch assembly for refrigerators or the like. Des. 80,619; Mar. 4.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Latch assembly for refrigerators or the like. Des. 80,620; Mar. 4.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Hinge for refrigerators or the like. Des. 81,691; July 29.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Latch for refrigerators or the like. Des. 81,692; July 29.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Clock case. Des. 81,927; Sept. 2.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Clock case. Des. 81,975; Sept. 9.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Rim for dome lights or the like. Des. 82,553; Nov. 18.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Motor-vehicle window-regulator handle. Des. 82,822; Dec. 16.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Motor-vehicle door handle or similar article. Des. 82,883; Dec. 23.
- Graff, George, assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Light. 1,754,855; Apr. 15.
- Graff, George, H. B. Haskins, and G. E. Gunther, assignors, by mesne assignments, to The Dura Company, Toledo, Ohio. Handle structure. 1,753,700; Apr. 8.
- Gräff, Hellmut, assignor to Benzol-Verband Gesellschaft mit beschränkter Haftung, Bochum, Germany. Internal-combustion engine. 1,777,199; Sept. 30.
- Graffenberger, Friedrich, Milwaukee, Wis. Blade edger. 1,784,625; Dec. 9.
- Graffin, Lewis, assignor to The Two-Season Process, Inc., Norfolk, Va. Heating apparatus. 1,747,070; Feb. 11.
- Graham Brothers. (See Neely, William H., assignor.)
- Graham, Christopher. (See Ellis, Arthur H., assignor.)
- Graham, Frank H., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative-resistance circuits. 1,779,126; Oct. 21.
- Graham, George, and A. C. Helmus, Douglaston, N. Y. Fabric-roll holder. 1,768,682; July 1.
- Graham, Guy G., Kansas City, Mo. Ear tag. 1,771,574; July 29.
- Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Reflector-equipped hub cap. 1,745,163; Jan. 28.
- Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lubricating system. 1,749,247; Mar. 4.
- Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lamp. 1,768,757; July 1.
- Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Friction hinge for headlights. 1,768,758; July 1.
- Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Electric generator. 1,776,233; Sept. 16.
- Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lighting unit. 1,781,544; Nov. 11.
- Graham, Herbert R., Miller, S. Dak. Front-seat construction for automobiles. Re17,755; July 29.
- Graham, Herman E., Marion, Ind., assignor to Chicago Railway Equipment Company, Chicago, Ill. Self-releasing drain valve. 1,778,669; Oct. 14.
- Graham, Howard, Dallas, Tex. Hernial truss. 1,780,074; Oct. 28.
- Graham, John H., New York, N. Y. Brake shoe. 1,755,645; Apr. 22.
- Graham, Louis A., Evanston, and C. L. Low, assignors of one-third to G. E. Wallis, Chicago, Ill. Composition sign. 1,761,120; June 3.
- Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Rod coupling. 1,757,305; May 6.
- Graham Metal Manufacturing Company. (See Graham, Ralph A., assignor.)
- Graham, Michael J., Chicago, Ill., assignor to International Harvester Company. Gauge and work holder. 1,769,129; July 1.
- Graham, Oakley J. (See Graham, Ota T., and O. J.)
- Graham, Ota T. and O. J., Richmond, Va. Truck for transporting cementitious materials. 1,780,973; Nov. 11.
- Graham, Ota T., and O. J. Graham, Richmond, Va. Producing, transporting, and handling cementitious material. 1,783,332; Dec. 2.
- Graham-Paige Motors Corporation. (See Valpey, Frank R., assignor.)
- Graham, Percival G., Enfield, near Sydney, New South Wales, Australia. Lubrication of axles and the like. 1,751,695; Mar. 25.
- Graham, Ralph A., Kansas City, Mo. Bottle closure. 1,758,696; May 13.
- Graham, Ralph A., assignor to Graham Metal Manufacturing Company, Kansas City, Mo. Container cap. 1,775,279; Sept. 9.
- Graham, Stephen J. (See Farrar, John H., assignor.)
- Graham, Thomas, & Co. (See Ross, Taylor W., assignor.)
- Graham, Thornton G. (See Humphrey, W. E., and Graham.)
- Graham, Tom C., assignor to The Embossing Company, Albany, N. Y. Game outfit. 1,760,642; May 27.
- Graham, Virgil E., Hershey, Nebr. Frame for calendars and the like. 1,765,070; June 17.
- Graham, Walter F., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wheel. 1,763,303; June 10.
- Graham, Walter J., Marietta, Ohio. Glass dish or similar article. Des. 82,554; Nov. 18.
- Graham, William A., Chicago, Ill., and W. F. Doyle, Washington, D. C. Combined chair, table, and bed. 1,787,245; Dec. 30.
- Graham, William P., assignor to Graham & Zenger, Inc., New York, N. Y. Dish or similar article. Des. 80,520; Feb. 18.
- Graham, William P., assignor to Graham & Zenger, Inc., New York, N. Y. Dish or similar article. Des. 80,521; Feb. 18.
- Graham, William P., assignor to Graham & Zenger, Inc., New York, N. Y. Dish or similar article. Des. 80,522; Feb. 18.
- Graham, William P., assignor to Graham & Zenger, Inc., New York, N. Y. Dish or similar article. Des. 80,523; Feb. 18.
- Graham, William P., assignor to Graham & Zenger, Inc., New York, N. Y. Disk or similar article. Des. 82,422; Nov. 4.
- Graham, William S., Canton, assignor, by mesne assignments, to Fred Gerlach and A. B. Keller, trustee, Chicago, Ill. Two-way tractor plow. 1,755,819; Apr. 22.
- Graham, William S., and J. L. Hipple, Canton, Ill., assignors to International Harvester Company. Tractor implement. 1,775,639; Sept. 16.
- Graham, William W., Fremont, Nebr. Hot-air control for windshields and car interiors. 1,767,446; June 24.
- Graham & Zenger, Inc. (See Graham, William P., assignor.)
- Graham & Zenger, Inc. (See Phillips, John E., assignor.)
- Grahame, Dallas F., Westmount, Quebec, Canada, assignor to Riley Stoker Corporation, Worcester, Mass. Reciprocating mechanism. 1,764,560; June 17.
- Grahame, Dallas F., Montreal, Quebec, Canada, assignor to Sanford-Riley Stoker Corporation, Worcester, Mass. Intermittent driving mechanism. 1,787,265; Dec. 30.
- Grahak, Frank, assignor of one-half to F. Kufrin, Adah, Pa. Loading apparatus. 1,768,316; June 24.
- Grain Machinery Company, The. (See Haines, George H., assignor.)
- Grainger, James E., London, W. G. Dixon, Bolton, and S. M. Shadbolt, London, England. Valve. 1,777,261; Sept. 30.
- Gram, Thomas. (See Söderlund, O., and Gram.)
- Grambach, Carl, Zurich, Switzerland. Coated glass plate. 1,766,509; June 24.
- Gramlich, Adolph, New York, N. Y. Doll head or similar article. Des. 80,481; Feb. 11.
- Gramlich, Adolph, Bronx, N. Y. Doll or similar article. Des. 81,638; July 22.
- Gramm, Frank G., Coraopolis, Pa. Boat construction. 1,769,831; July 1.
- Grammer, Allen L., Glenside, Pa. Book and making same. 1,778,490; Oct. 14.
- Grammes, L. F., & Sons, Inc. (See Price, Charles S., assignor.)
- Gran, William T., Jefferson, Ohio. Honey-uncapping apparatus and method. 1,779,469; Oct. 28.
- Granat, Elie, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Automatic switch. 1,766,292; June 24.
- Granat, Joseph, San Francisco, Calif. Ring shank. Des. 80,786; Mar. 25.
- Granat, Joseph, San Francisco, Calif. Ring. Des. 80,787; Mar. 25.
- Granat, Joseph, San Francisco, Calif. Ring. Des. 80,788; Mar. 25.
- Granat, Joseph, San Francisco, Calif. Wedding ring. Des. 81,329; June 10.
- Granat, Joseph, San Francisco, Calif. Wedding ring. Des. 81,976; Sept. 9.
- Granat, Joseph, San Francisco, Calif. Finger ring. Des. 82,934; Dec. 30.
- Granat, Tilo, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Static transmitter for polyphase distant-control systems. 1,764,867; June 17.
- Granberg, Albert J., Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Shut-off and indicator control for oil-dispensing apparatus. 1,759,396; May 20.
- Granberg, Albert J., Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Fluid meter. 1,767,210; June 24.
- Granberg, Charles O., Exeter, N. H. Blower. 1,745,253; Jan. 28.
- Grand Central Wicker Shop, Inc. (See Oliva, Vincent, assignor.)
- Grande, Albert, assignor to Beau Ideal Food Co., Boston, Mass. Ornamental food package and making the same. 1,782,232; Nov. 18.

- Grandin, Louis M., New York, N. Y. Telephone system. 1,782,847; Nov. 25.
- Grandjean, Gabriel, Paris, France. Franking machine. 1,766,783; June 24.
- Grandjean, Marc, Paris, France. Paper-feed driving gear for stenographic machines. 1,777,968; Oct. 7.
- Grandolier Lighting Fixture Co. (See Danker, Gerhard, assignor.)
- Grand Rapids Brass Company. (See Ekman, Andrew, assignor.)
- Grand Rapids Brass Company. (See Roedding, Gordon E., assignor.)
- Grand Rapids Brass Company. (See Roedding, G. R., and Osbeck, assignors.)
- Grand Rapids Metalcraft Corporation. (See De Boer, Rudolph, assignor.)
- Grand Rapids Show Case Company. (See Straayer, Martin J., assignor.)
- Grand Rapids Store Equipment Corporation. (See Morris, Edmund, assignor.)
- Grand Rapids Store Equipment Corporation. (See Morris, E., and Vanderveld, assignors.)
- Grand Rapids Store Equipment Corporation. (See Vanderveld, Anthony, assignor.)
- Grand Rapids Store Equipment Corporation. (See Vanderveld, A., and Morris, assignors.)
- Granell, George P., Long Island City, N. Y. Strip for terrazzo floors and like structures. 1,783,783; Dec. 2.
- Graber, Hans. (See Ossanna, J., Graber, and Hofmann.)
- Grange, Leo O., assignor to W. J. Jarratt, Chicago, Ill. Vulcanizer. 1,757,624; May 6.
- Granger, Gordon T. (See Coast, J. W., jr., and Granger.)
- Granger, Henry G., Buskirk, N. Y. Making candy. 1,765,867; June 24.
- Granger, Paul H., Los Angeles, Calif. Machine for forming arrow shafts. 1,744,697; Jan. 21.
- Granger, Paul H., Los Angeles, Calif. Locating, testing, and cleaning leaks or holes in well casings. 1,744,698; Jan. 21.
- Granger, Paul H., Los Angeles, Calif. Packing. 1,750,886; Mar. 18.
- Granger, Paul H., Los Angeles, Calif. Pumping liquid. 1,758,153; May 13.
- Granskog, John A. (See Hogberg, J. L., and Granskog.)
- Granstedt, Erik. (See Nordenfelt, P., and Granstedt.)
- Granstedt, Johan A., Sjalevad, Sweden. Cooling apparatus for motor vehicles. 1,759,305; May 20.
- Granstedt, Johan A., Sjalevad, Sweden. Cooling apparatus. 1,759,306; May 20.
- Granstedt, Johan A., Sjalevad, assignor to Gunnar P. O. Fogelqvist, Sundsvall, Sweden. Motor vehicle. 1,743,272; Jan. 14.
- Granstedt, Johan A., Sjalevad, assignor of one-half to Gunnar P. O. Fogelqvist, Sundsvall, Sweden. Turning device for motor vehicles. 1,760,643; May 27.
- Grant, Albert E., New York, N. Y. Oil-burning apparatus. 1,753,782; Apr. 8.
- Grant, Albert E., New York, N. Y. Antisiphon device. 1,779,428; Oct. 28.
- Grant, Albert E., assignor to Grant Heat Machine Corporation, New York, N. Y. Oil feeding and burning apparatus. 1,753,145; Apr. 1.
- Grant, Albert E., assignor to Grant Heat Machine Corporation, New York, N. Y. Oil burner. 1,780,185; Nov. 4.
- Grant, Albert E., New York, N. Y., assignor to Grant Heat Machine Corporation, New York, N. Y. Oil-burning apparatus. 1,753,146; Apr. 1.
- Grant, Charles N., Haverhill, Mass. Saw-filing guide. 1,753,701; Apr. 8.
- Grant Dental Manufacturing Company. (See Grant, Francis H., assignor.)
- Grant, Dudley H., Moorestown, N. J., assignor to Standard Oil Development Company. Composition for repelling insects. 1,755,178; Apr. 22.
- Grant, Duncan. (See Miner, H., and Grant.)
- Grant, Francis H., assignor to Grant Dental Manufacturing Company, Detroit, Mich. Artificial tooth. 1,744,042; Jan. 21.
- Grant, Francis H., assignor to Grant Dental Manufacturing Company, Detroit, Mich. Backing for artificial teeth. 1,744,043; Jan. 21.
- Grant, Garnet P., assignor to Autosales Corporation, Long Island City, N. Y. Vending-machine cabinet. Des. 81,583; July 15.
- Grant, Garnet P., assignor to Autosales Corporation, Long Island City, N. Y. Goods-vending display stand. Des. 82,555; Nov. 18.
- Grant Heat Machine Corporation. (See Grant, Albert E., assignor.)
- Grant, James, Ben Avon Heights, Pa. Accounting device. 1,751,082; Mar. 18.
- Grant, John. (See Aloi, Millio F., assignor.)
- Grant, John. (See Campbell, Lawrence, assignor.)
- Grant, John. (See Campbell, Stewart L., assignor.)
- Grant, John. (See Clement, Hurley F., assignor.)
- Grant, John. (See Folsom, Robert H., assignor.)
- Grant, John. (See Phipps, John T., assignor.)
- Grant, John. (See Raymond, Edward F., assignor.)
- Grant, John. (See Santiago, James J., assignor.)
- Grant, John. (See Weisberber, Edwin C., assignor.)
- Grant, John, Los Angeles, Calif. Protected underreamer. 1,773,307; Aug. 19.
- Grant, John, Los Angeles, Calif. Expanding-roller underreamer. 1,777,559; Oct. 7.
- Grant, John, Los Angeles, assignor, by mesne assignments, to Byron Jackson Co., West Berkeley, Calif. Well elevator. 1,781,922; Nov. 18.
- Grant, John, Los Angeles, and S. L. Campbell, Berkeley, Calif.; said Campbell assignor to said Grant. Renewable cutter underreamer. 1,743,769; Jan. 14.
- Grant, John, Los Angeles, and S. L. Campbell, Berkeley, Calif.; said Campbell assignor to said Grant. Rotary rock bit. 1,748,341; Feb. 25.
- Grant, John A., Trumansburg, N. Y. Tractor wheel. 1,755,160; Apr. 15.
- Grant, Joseph N., Louisville, Ky., assignor to The Grant Stores Inc. Self-serving store. 1,751,199; Mar. 18.
- Grant, Lewis C., Heaton, Newcastle-upon-Tyne, England. Apparatus for reproducing sound. 1,770,234; July 8.
- Grant, Lewis C., assignor to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Wired wireless system. 1,774,969; Sept. 2.
- Grant Oil Burner Corporation. (See Fischer, F., and Van Pelt, assignors.)
- Grant, Robert, Hollywood, Calif., assignor to The Grant-alve Regulator Co., Incorporated. Valve-actuating mechanism. 1,743,340; Jan. 14.
- Grant, Robert, Hollywood, assignor to The Grant-alve Regulator Co., Incorporated, Los Angeles, Calif. Valve-actuating mechanism. 1,748,342; Feb. 25.
- Grant, Robert, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Pressure-responsive device. 1,779,065; Oct. 21.
- Grant, Robert U., Breckenridge, Tex. Pump. 1,775,759; Sept. 16.
- Grant, Rudolph R., Roselle, N. J. Making pistons. 1,772,215; Aug. 5.
- Grant Stores Inc., The. (See Grant, Joseph N., assignor.)
- Grant, Thomas, Gillespie, Ill. Drill. 1,752,524; Apr. 1.
- Grant, Walton, and G. W. Limebaugh, Circleville, Ohio. Meat-sawing machine. 1,750,223; Mar. 11.
- Grant, William D., Vancouver, British Columbia, Canada. Subaquatic drill. 1,753,511; Apr. 8.
- Grant, William D., Vancouver, British Columbia, Canada. Subaquatic drill. 1,766,628; June 24.
- Grant, William H., assignor to Frank Holton & Co., Elkhorn, Wis. Mouthpiece and making the same for wind instruments. 1,771,217; July 22.
- Grant, William P. (See Baker, Gilbert L., assignor.)
- Grant-alve Regulator Co., The. (See Grant, Robert, assignor.)
- Grantham, Bessie H., executrix. (See Grantham, Jesse G.)
- Grantham, Jesse G., deceased, Jacksonville, Ill.; B. H. Grantham, executrix. Corn-husking peg. 1,758,363; May 13.
- Granular Iron Company. (See Hornsey, John W., assignor.)
- Granular Iron Company. (See Smith, Joseph K., assignor.)
- Grapp, Albert E., Minneapolis, Minn. Oven structure. 1,785,079; Dec. 16.
- Graslewicz, Stanley J., Minneapolis, Minn. Dimmer device for headlights. 1,751,582; Mar. 25.
- Grasmere, Henry, assignor to Krementz & Company, Newark, N. J. Clasp for a bracelet. 1,750,667; Mar. 18.
- Grass, Otto R., assignor to The Oro-Tone Company, Chicago, Ill. Phonograph construction. 1,766,992; June 24.
- Grasselli Chemical Company, The. (See Allen, E. R., and Siegel, assignors.)
- Grasselli Chemical Company, The. (See Alvord, Earl B., assignor.)
- Grasselli Chemical Company, The. (See Barrett, Harold J., assignor.)
- Grasselli Chemical Company, The. (See Bowman, Frederick J., assignor.)
- Grasselli Chemical Company, The. (See Buse, Otto H., assignor.)
- Grasselli Chemical Company, The. (See Corson, Harry P., assignor.)
- Grasselli Chemical Company, The. (See Corson, H. P., and Lawrence, assignors.)
- Grasselli Chemical Company, The. (See Corson, H. P., and Ridler, assignors.)
- Grasselli Chemical Company, The. (See Dykstra, Harry B., assignor.)
- Grasselli Chemical Company, The. (See Feagley, Chester C., assignor.)
- Grasselli Chemical Company, The. (See Grine, Harry A., assignor.)
- Grasselli Chemical Company, The. (See Howard, Henry, assignor.)
- Grasselli Chemical Company, The. (See Laftman, Axel B., assignor.)
- Grasselli Chemical Company, The. (See Lawrence, Ralph E., assignor.)
- Grasselli Chemical Company, The. (See Lutz, George, assignor.)
- Grasselli Chemical Company, The. (See McQuaid, Howard S., assignor.)
- Grasselli Chemical Company, The. (See Monroe, Hanson H., assignor.)
- Grasselli Chemical Company, The. (See Schweitzer, William K., assignor.)
- Grasselli Chemical Company, The. (See Taylor, Edward A., assignor.)
- Grasselli Chemical Company, The. (See Williams, Ira, assignor.)

- Grassi, Serafino, Waterbury, Conn. Chain portière. 1,758,600; May 13.
- Grassmann, Edward C., Maplewood, N. J., assignor to Harry C. Schick, Inc. Clasp. 1,778,554; Oct. 14.
- Gratama, E. J., et al. (See Friedländer, Daniel, assignor.)
- Gratiot, Chester A., Portland, Oreg., assignor, by mesne assignments, Eversharp Lawnmower Company. Resiliently-mounted ledger blade for lawn mowers. 1,757,186; May 6.
- Gratiot, Chester A., Portland, Oreg., assignor, by mesne assignments, to Eversharp Lawnmower Company. Lawn mower. 1,779,699; Oct. 28.
- Gratkowski, Alexander. (See Klepadlo, K., and Gratkowski.)
- Graton & Knight Company. (See Griffith, Winfred S., assignor.)
- Graton & Knight Company. (See Griffith, W. S., and Hathaway, assignors.)
- Graton & Knight Company. (See Standish, Edward K., assignor.)
- Grattan, David, Los Angeles, Calif. Lubricant-distributing apparatus. 1,760,902; June 3.
- Grau, Amandus. (See Fiedler, H. R., and Grau.)
- Grau, Frances M., Washington, Nebr. Leg and ankle protector. 1,765,371; June 24.
- Grau, Henry O., Cheviot, Ohio. Player-piano mechanism. 1,772,249; Aug. 5.
- Graue, Arno, San Francisco, Calif. Thermostat. 1,775,900; Sept. 16.
- Grael, Edwin L., assignor to The Graulock Company, Cincinnati, Ohio. Carburetor suction release device. 1,751,322; Mar. 18.
- Grauert, Ralph W., Woodridge, N. J. Machine for cutting rolls. 1,748,474; Feb. 25.
- Graulock Company, The. (See Grauel, Edwin L., assignor.)
- Grauman, Leon, Denver, Colo. Liquid dispenser. 1,770,611; July 15.
- Graumlich, Emmett G., assignor to M-It Manufacturing Company, Miami, Fla. Auxiliary air inlet. 1,742,955; Jan. 7.
- Graveley, Eugene C., New Orleans, La. Arch construction. 1,747,362; Feb. 18.
- Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Removing paint. 1,744,463; Jan. 21.
- Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Foam-producing process and material for acid metal-cleaning baths. 1,757,959; May 13.
- Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Preparing metal for painting. 1,765,331; June 17.
- Gravell, James H., Elkins Park, Pa., assignor to American Chemical Paint Company, Ambler, Pa. Preparing metal for painting. 1,781,507; Nov. 11.
- Gravely, Benjamin F., Dunbar, W. Va. Carburetor. 1,775,454; Sept. 9.
- Gravely, Benjamin F., Dunbar, W. Va. Carburetor. 1,782,848; Nov. 25.
- Gravenstreter, Harry R. (See Evans, A. D., and Gravenstreter.)
- Graver Corporation. (See Adams, James L., jr., assignor.)
- Graves, Benjamin P., Edgewood, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Interlocking manual and power-feed control. 1,749,073; Mar. 4.
- Graves, Benjamin P., Edgewood, and W. F. Smith, assignors to Brown & Sharpe Manufacturing Company, Providence, R. I. Tripping mechanism. 1,761,121; June 3.
- Graves, Carl O., Cincinnati, Ohio. Plug connector. 1,761,335; June 3.
- Graves, Edward M., Cleveland Heights, Ohio. Boat-unloading mechanism. 1,754,824; Apr. 15.
- Graves, Ethel S., administratrix. (See Graves, Harry S.)
- Graves, Frank, Sash, Door and Mill Company. (See Appleby, James P., assignor.)
- Graves, George E., Oklahoma City, Okla. Ray absorber and deflector for automobile headlights. 1,760,055; May 27.
- Graves, Harry S., deceased, Detroit, Mich.; E. S. Graves, administratrix. Making piston-ring patterns. 1,759,108; May 20.
- Graves, Harry S., deceased, Highland Park, Mich.; E. S. Graves, administratrix. Piston and connecting-rod assembly. 1,759,109; May 20.
- Graves, Harry S., deceased, Highland Park, Mich.; E. S. Graves, administratrix. Piston. 1,759,110; May 20.
- Graves, Henry W., Chicago, Ill. Metal structural toy. 1,766,022; June 24.
- Graves, Herbert C., jr., Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pilot-wire protective system. 1,764,297; June 17.
- Graves, Jacob H., Lexington, Ky. Milk-shipping cabinet. 1,767,976; June 24.
- Graves, Kenneth A., Fargo, R. C. Graves, Doyon, and H. Juneau, Grand Forks, N. Dak. Automatic stopping and starting device for gasoline engines. 1,749,668; Mar. 4.
- Graves, Lynus O., Tabernash, Colo. Toothbrush. 1,753,290; Apr. 8.
- Graves, Mildred V. (See Graves, Ralph I., assignor.)
- Graves Process, Inc., The. (See Graves, Roy V., assignor.)
- Graves, Ralph I., Washington, D. C., assignor to M. V. Graves, Chevy Chase, Md. Vending machine. 1,781,839; Nov. 18.
- Graves, Robert C. (See Graves, Kenneth A., and R. C., and Juneau.)
- Graves, Roy V., assignor to The Graves Process, Inc., Minneapolis, Minn. Producing page printing plates. 1,742,504; Jan. 7.
- Graves, Walter S. (See Steiner, F. M., and Graves.)
- Graveure, Louis, New York, N. Y. Lock. 1,749,533; Mar. 4.
- Gravitt, Guy, Lawrenceville, Ill. Auxiliary lens attachment for eyeglasses. 1,786,204; Dec. 23.
- Gray, Albert E. N., East Orange and S. M. Schenkein, Newark, N. J. Index-card tab. 1,763,776; June 17.
- Gray, Alexander T., Schenectady, N. Y., assignor to General Electric Company. Piston-ring retainer. 1,772,992; Aug. 12.
- Gray, Altherton L., Los Angeles, Calif. Lacquer stencil. 1,744,464; Jan. 21.
- Gray, Alvin E., Detroit, Mich., assignor to The Tabulating Machine Company, Endicott, N. Y. Sorting machine. 1,777,882; Oct. 7.
- Gray, Charles B., Millbourne, Pa. Shearing mechanism. 1,762,392; June 10.
- Gray, Charles B., Millbourne, Pa. Cutting machine. 1,782,420; Nov. 25.
- Gray, Christian H., London, England. Roller covered with rubber or other resilient material. 1,775,392; Sept. 9.
- Gray, Clayton E., and S. B. Cooke, assignors to Universal Bed Company, Portland, Oreg. Brace-leg opening apparatus for folding beds. 1,760,235; May 27.
- Gray Company. (See Gray, Russell J., assignor.)
- Gray, Daniel, R. O. Bailey, Oneida, and W. S. Murray, Utica, assignors to Oneida Community, Limited, Oneida, N. Y. Tarnish-resisting silver and silver plate and producing the same. 1,779,809; Oct. 28.
- Gray, Daniel, R. O. Bailey, Oneida, and W. S. Murray, Utica, N. Y., assignors to Oneida Community, Limited, Oneida, N. Y. Articles having tarnish resisting surface and making same. 1,782,092; Nov. 18.
- Gray, Daniel M., and J. J. Williams, assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Apparatus for casting zinc slabs and the like. 1,782,920; Nov. 25.
- Gray, David, Portland, Me. Thermostat switch. 1,746,771; Feb. 11.
- Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Grading machine. 1,750,516; Mar. 11.
- Gray, David E., Corning, N. Y., and G. R. Crites, Wellsboro, Pa., assignors to Corning Glass Works, Corning, N. Y. Method of and apparatus for discharging articles. 1,776,556; Sept. 23.
- Gray, Dorothy. (See Gesell, William H., assignor.)
- Gray, Dorothy, Inc. (See Dunnican, George W., assignor.)
- Gray, Edwin T., assignor to W. H. S. Lloyd Co., New York, N. Y. Wall panel. Des. 80,689; Mar. 11.
- Gray, Edwin T., assignor to W. H. S. Lloyd Co., New York, N. Y. Wall panel. Des. 80,690; Mar. 11.
- Gray, Edwin T., assignor to W. H. S. Lloyd Co., New York, N. Y. Wall panel. Des. 80,789; Mar. 25.
- Gray, Ellsworth, Houston, Tex. Spear. 1,762,621; June 10.
- Gray, Ellsworth, assignor to Gray Tool Company, Houston, Tex. Swivel. 1,746,036; Feb. 4.
- Gray, Ellsworth, and R. A. Mueller, assignors to Gray Tool Company, Houston, Tex. Combined packer and tubing support. 1,745,572; Feb. 4.
- Gray, Ernest A. (See Eaton, Charles C., assignor.)
- Gray, Etta, New Haven, Conn., assignor to Barclay Corset Company. Corsetiere's fitting apparatus. 1,782,892; Nov. 25.
- Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical picture-transmission receiving system. 1,745,756; Feb. 4.
- Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical transmission. 1,759,504; May 20.
- Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical transmission system. 1,769,920; July 8.
- Gray, Frank, assignor to Western Electric Company, Incorporated, New York, N. Y. Rectifier. 1,784,869; Dec. 16.
- Gray, Frank, and J. R. Hefele, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical transmission system. 1,769,918; July 8.
- Gray, Frank, and J. R. Hefele, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical transmission system. 1,769,919; July 8.
- Gray, Frank L., Shelburne Falls, Mass. Hay-loading wagon. 1,758,943; May 20.
- Gray, Frederick O. (See Mills, J. B., and Gray.)
- Gray, George, assignor to Garnett Church Furniture Co., Kansas City, Mo. Wedge. 1,762,622; June 10.
- Gray, George F., Poughkeepsie, N. Y. Lightning arrester. 1,772,664; Aug. 12.
- Gray, Harlan D., E. Auxter, and J. A. Noble, sr., assignors to Superior Oil and Gas Separator Company, Incorporated, Shreveport, La. Gas and oil separator. 1,756,288; Apr. 29.
- Gray, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and making the same. 1,745,926; Feb. 4.

- Gray, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ebonite composition and producing the same. 1,769,506; July 1.
- Gray, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composite product and making same. 1,774,324; Aug. 26.
- Gray, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Heat-plastic composition. 1,782,036; Nov. 18.
- Gray, Hubert M., Toledo, Ohio. Water-retarding means for locomotive tenders. 1,748,066; Feb. 25.
- Gray, Hubert M., assignor of one-half to C. I. Hyland, Toledo, Ohio. Locomotive-cab curtain. 1,762,576; June 10.
- Gray, James M., Webster Groves, Mo. Germicidal compound. 1,767,667; June 24.
- Gray, Leonard G., Decatur, Ill. Bottle opener. 1,746,393; Feb. 11.
- Gray, Mary L., and E. Ford, Waverly, Va. Automobile screen. 1,751,200; Mar. 18.
- Gray, Maud L., et al. (See Rider, Herbert E., assignor.)
- Gray, Milton C., Spokane, Wash. Boring machine. 1,761,663; June 3.
- Gray Process Corporation, The. (See Brooks, Benjamin T., assignor.)
- Gray Processes Corporation. (See Gray, Thomas T., assignor.)
- Gray Processes Corporation, The. (See Miller, Walter, assignor.)
- Gray, Ralph B., Chicago, Ill. Automatic windshield wiper. 1,746,528; Feb. 11.
- Gray, Richard A., Binghamton, N. Y. Display card. 1,765,484; June 24.
- Gray, Robert C., Hempstead, N. Y. Casement-window-actuating mechanism. 1,769,131; July 1.
- Gray, Robert L. (See Allwill, Stephen S., assignor.)
- Gray Rose, E., Sacramento, Calif. Valve for vacuum-cleaner dust bags. 1,782,064; Nov. 18.
- Gray, Russell J., assignor to Gray Company, Inc., Minneapolis, Minn. Grease gun. 1,751,323; Mar. 18.
- Gray, Thomas, Lyndon, Kans. Baling block. 1,750,466; Mar. 11.
- Gray, Thomas T., Elizabeth, assignor to Gray Processes Corporation, Newark, N. J. Treatment of fluids with solid substances. 1,753,859; Apr. 8.
- Gray, Thomas T., Elizabeth, N. J., assignor to The Gray Processes Corporation. Purifying hydrocarbon compounds. 1,759,812; May 20.
- Gray, Thomas T., Elizabeth, assignor to Gray Processes Corporation, Newark, N. J. Process and apparatus for treating hydrocarbons. 1,759,813; May 20.
- Gray, Thomas T., Elizabeth, assignor to Gray Processes Corporation, Newark, N. J. Refining of hydrocarbons. 1,759,814; May 20.
- Gray, Thomas T., Elizabeth, assignor to Gray Processes Corporation, Newark, N. J. Refining hydrocarbons. 1,763,683; July 1.
- Gray Tool Company. (See Gray, Ellsworth, assignor.)
- Gray Tool Company. (See Gray, E., and Mueller, assignors.)
- Gray, Wallace M., Cincinnati, Ohio. Track-lubricating apparatus. 1,745,213; Jan. 28.
- Gray, Walter P., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Radiocabinet. Des. 82,321; Oct. 21.
- Gray, Walter P., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Radiocabinet. Des. 82,322; Oct. 21.
- Gray, Walter P., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Radiocabinet. Des. 82,323; Oct. 21.
- Gray, Walter S., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,765,528; June 24.
- Gray, William B., Chicago, Ill. Windshield wiper. 1,764,868; June 17.
- Gray, William C., et al. (See Zim, Jesse G., assignor.)
- Gray, William J., Eugene, Ore. Changeable exhibitor. 1,753,603; Apr. 8.
- Graybar Electric Company. (See Hetzner, Arthur E., assignor.)
- Graybar Electric Company. (See Reddig, Charles E., assignor.)
- Grayson, Charles J., assignor to The Armstrong Electric and Manufacturing Corporation, Huntington, W. Va. Electric cooking apparatus. 1,745,534; Feb. 4.
- Grayson, George L., and C. B. Knight, assignors to The J. H. Grayson Manufacturing Company, Athens, Ohio. Air filter for gas burners. 1,754,751; Apr. 15.
- Grayson Heat Control, Inc. (See Grayson, John H., assignor.)
- Grayson, J. H., Manufacturing Company, The. (See Grayson, G. L., and Knight, assignors.)
- Grayson, John H., Lynwood, Calif. Thermostat-valve structure. 1,781,328; Nov. 11.
- Grayson, John H., assignor to Grayson Heat Control, Inc., Lynwood, Calif. Thermostat. 1,744,465; Jan. 21.
- Grayson, John H., Lynwood, Calif., assignor to Day and Night Water Heater Company, Ltd., Monrovia, Calif. Gas-burner structure. 1,771,623; July 29.
- Grayson Shops, Inc. (See Kirsner, Walter, assignor.)
- Graziano, Nicholas, Long Island City, N. Y. Wall mold. 1,779,908; Oct. 28.
- Green, Alexandre M., New York, N. Y. Head covering or turban. 1,749,340; Mar. 4.
- Grearson, Frederick A., and W. A. Lane, Barre, Vt. Stoneworking machine. 1,755,873; Apr. 22.
- Grease-Rite Corporation, The. (See Saxton, John N., assignor.)
- Great Northern Paper Company. (See Cram, Hervey G., assignor.)
- Great Northern Paper Company. (See Whitcomb, William A., assignor.)
- Great Western Electro-Chemical Company. (See Hirschkind, Wilhelm, assignor.)
- Great Western Fuse Company. (See Lavarack, Frederick, C., assignor.)
- Great Western Meter Company. (See Lyman, Ray J., assignor.)
- Greaves, Frederick G., and S. P. Watt, Seattle, Wash. Lumber carrier. 1,786,060; Dec. 23.
- Greaves, Wilfred, Shadwell, near Leeds, assignor to Linotype and Machinery Limited, London, England. Photogravure-printing machine. 1,744,466; Jan. 21.
- Greavu, Tonase, Detroit, Mich. Distributor. 1,743,770; Jan. 14.
- Grebe, John J. (See Dow, H. H., and Grebe.)
- Grebel, Stephen, Paris, France. Projector. 1,744,222; Jan. 21.
- Grebenstein, George W., Newtonville, Mass. Wheel puller. 1,782,037; Nov. 18.
- Greco, Aurelio M., Waterbury, Conn. Combined sock and garter. 1,745,927; Feb. 4.
- Greco, Gaetano, New York, N. Y. Sharpening device. 1,747,827; Feb. 18.
- Greco, Victor V. (See Sherman, Max, assignor.)
- Gregor, Ralph H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Trolley bridge. 1,783,710; Dec. 2.
- Greeley, Alton H. (See Safford, Clarence E., assignor.)
- Greeman, Omer W. (See Williams, J. C., and Greeman.)
- Green, A. P., Fire Brick Company. (See Pearson, Howard L., assignor.)
- Green, Ansel T., Aberdeen, S. Dak. Reboring tool. 1,748,876; Feb. 25.
- Green, Ansel T., Aberdeen, S. Dak. Combined guide and supporting bracket for valve-boring tools. 1,748,877; Feb. 25.
- Green, Arthur B. (See Decker, J., Green, and Nunez.)
- Green, Arthur B., Portland, Ore. Slowness tester for paper pulp. 1,774,830; Sept. 2.
- Green, Azaria M., Minneapolis, Minn. Mop holder. 1,784,588; Dec. 9.
- Green, Charles W., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,763,699; June 17.
- Green, Charles W., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Attenuation equalizing circuit. 1,768,248; June 24.
- Green, Clifford H., Grand Rapids, Mich. Starting and selecting mechanism for automatic musical instruments. 1,752,170; Mar. 25.
- Green, Clifford H., assignor to National Piano Mfg. Co., Grand Rapids, Mich. Multirecord controller. 1,752,171; Mar. 25.
- Green, Clifton H., Nashville, Tenn. Serving tray. 1,754,713; Apr. 15.
- Green, Earl F., York, Pa. Towing mechanism. 1,783,189; Dec. 2.
- Green, Edward A. (See Irving, J. S., and Green.)
- Green, Emory A., and D. J. Bohn, Santa Rosa, Calif. Safety stop or brake. 1,742,591; Jan. 7.
- Green, Ernest, London, England, assignor to Radio Corporation of America. Thermionic generator. 1,748,713; Feb. 25.
- Green, Estill I. (See Affel, H. A., and Green.)
- Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Equalization of carrier systems. 1,743,132; Jan. 14.
- Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Single-side-band carrier system. 1,741,044; Jan. 21.
- Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Carrier-amplitude-control system. 1,745,415; Feb. 4.
- Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Determining movement and position of moving objects. 1,750,668; Mar. 18.
- Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Common-frequency broadcasting system. 1,751,516; Mar. 25.
- Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Oscillation generator. 1,780,229; Nov. 4.
- Green, Frank. (See Newton, E. H., and Green.)
- Green, Frank E., Pittsburgh, Pa. Feed chuck. 1,783,039; Nov. 25.
- Green, George, et al. (See Seidel, Morris, assignor.)
- Green, George I., Los Angeles, Calif. Coffee steeper. 1,756,460; Apr. 29.
- Green, George S., Marysville, Kans. Fishing and trapping bait and manufacturing same. 1,742,956; Jan. 7.
- Green, George S., Portland, Me. Rear-curtain-operating device for automobiles. 1,772,892; Aug. 12.
- Green & Green Company, The. (See Green, Robert C., assignor.)
- Green, Harry J. (See Rooney, John, assignor.)
- Green, Henry M. (See Eppensteiner, W. F., and Green.)

- Green, Irving, New York, N. Y. Vending machine. 1,745,254; Jan. 28.
- Green, Irving L., Brookline, Mass. Camera tripod. 1,780,383; Nov. 4.
- Green, Irving L., Brookline, Mass. Filter holder for cameras. 1,780,384; Nov. 4.
- Green, J. Birchard, Chicago, Ill. Filler rod for welding and brazing processes. 1,747,000; Feb. 11.
- Green, J. Birchard, assignor to F. M. Warden, Chicago, Ill. Rod for use in arc welding or cutting. 1,783,013; Nov. 25.
- Green, J. Birchard, assignor to Chicago Steel and Wire Company, Chicago, Ill. Making cement-coated wire. 1,783,613; Dec. 2.
- Green, James H. (See Smith, Stewart C., assignor.)
- Green, John, Oakland, Calif. Frame construction. 1,778,854; Oct. 21.
- Green, John L., El Dorado, Ark. Fluid air cleaner. 1,751,324; Mar. 18.
- Green, John L., El Dorado, Ark. Fluid air cleaner. 1,781,638; Nov. 11.
- Green, John T., assignor to General Motors Corporation, Detroit, Mich. Striping fixture. 1,761,913; June 3.
- Green, Jonathan S., et al., trustees. (See Magidson, Frank, assignor.)
- Green, Joseph G., San Francisco, Calif. Display case. Des. 82,556; Nov. 18.
- Green, Joseph H., et al. (See Barili, A. E. H., and Hyle, assignors.)
- Green, Lee B., Lakewood, Ohio, assignor to The Borden Company, Warren, Ohio. Centrifugal drier. 1,772,863; Aug. 12.
- Green, Lee B., Lakewood, assignor to The Borden Company, Warren, Ohio. Washing machine. 1,778,491; Oct. 14.
- Green, Lee B., Lakewood, assignor to The Borden Company, Warren, Ohio. Friction clutch. 1,781,173; Nov. 11.
- Green, Lee B., Lakewood, assignor to The Borden Company, Warren, Ohio. Centrifugal drier. 1,782,264; Nov. 18.
- Green, Leslie P., Chicago, assignor, by mesne assignments, to I. J. Wilson, Winnetka, Ill. Scraper. 1,749,741; Mar. 4.
- Green, Leslie P., Chicago, assignor, by mesne assignments, to I. J. Wilson, Winnetka, Ill. Scraper. 1,759,505; May 20.
- Green, Lester C., Seattle Wash. Binder. 1,766,071; June 24.
- Green, M. E., Manufacturing Co. (See Scott, Charlie B., assignor.)
- Green, Matthew, and V. M. Darsey, assignors to Parker Rust-Proof Company, Detroit, Mich. Producing a phosphate coating on metal. 1,755,391; Apr. 22.
- Green, Matthew, and E. M. Jones, assignors to Parker Rust-Proof Company, Detroit, Mich. High-acid phosphates of iron and making the same. 1,769,057; July 1.
- Green Mountain Oil Burner Corporation. (See Marion, Frank, assignor.)
- Green, Nathan F., New Haven, Conn., assignor to O. C. Johnson, Aurora, Ill. Halter fitting. 1,747,071; Feb. 11.
- Green, Newton B., assignor to Eastman Kodak Company, Rochester, N. Y. Light control for photographic-printing machines. 1,754,204; Apr. 8.
- Green, Ray C., Salt Lake City, Utah. Electric-elevator door interlock. 1,756,738; Apr. 29.
- Green, Richard D., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope and making the same. 1,777,117; Sept. 30.
- Green, Robert C., assignor to The Green & Green Company, Dayton, Ohio. Carton. 1,759,613; May 20.
- Green, Samuel S., et al. (See Walker, Jerry S., assignor.)
- Green, Samuel G., Gray, Ga. Mount for guns. 1,757,244; May 6.
- Green, Samuel G., Jones, Ga. Gun carriage. 1,782,610; Nov. 25.
- Green, Thomas L., Indianapolis, Ind. Dough-shooting machine. 1,762,268; June 10.
- Green, Thomas L., Indianapolis, Ind. Biscuit cutting and embossing machine. 1,784,431; Dec. 9.
- Green, Thomas L., Indianapolis, Ind. Biscuit cutting and embossing machine. 1,784,432; Dec. 9.
- Green, Walter H., Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Process and apparatus for softening water. 1,752,339; Apr. 1.
- Green, Walter H., assignor, by mesne assignments, to General Zeolite Company, Chicago, Ill. Proportioning apparatus. 1,770,307; July 8.
- Green, Walter L., jr., Hollis, assignor to Luckenbach Steamship Company, Incorporated, New York, N. Y. Apparatus and cooling cargo space in ships. 1,744,468; Jan. 21.
- Green, William A., Toronto, Ontario, Canada, assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Sundae dish and holder and assembling the same. 1,762,977; June 10.
- Green, William D. (See Snyder, E. H., and Green.)
- Green, William D., Bauer, assignor to Combined Metals Reduction Company, Stockton, Utah. Extraction of resin from coal. 1,773,997; Aug. 26.
- Greenawalt, John E., New York, N. Y. Manufacturing artificial aggregate for mortars and concretes. 1,786,713; Dec. 30.
- Greenawalt, John E., New York, N. Y. Sintering clay. 1,786,714; Dec. 30.
- Greenbaum, Harry, Kansas City, Mo. Outer dress garment for ladies' wear. Des. 82,496; Nov. 11.
- Greenbaum, Leo, Far Rockaway, E. Van Hoofstadt, Ocean-side, and C. Gustavson, Brooklyn, N. Y., assignors, by mesne assignments, to Lion Match Company, Inc. Match-making machine. 1,751,146; Mar. 18.
- Greenberg, Charles B., New York, N. Y. Spring-bar attachment for flexible bracelets. 1,775,620; Sept. 9.
- Greenberg, Charles B., New York, N. Y. Timing device for balance-wheel units of watches and clocks. 1,778,421; Oct. 14.
- Greenberg, Edward, assignor to The Carack Company, Inc., New York, N. Y. Frame for lamp shades. 1,745,366; Feb. 4.
- Greenberg, Frank, New York, N. Y. Adjustable hook. 1,774,368; Aug. 26.
- Greenberg, Harry. (See Langan, J., and Greenberg.)
- Greenberg, Harry, Dover, N. J. Workholding implement. 1,784,589; Dec. 9.
- Greenberg, Joseph, Brooklyn, N. Y. Medicated handkerchief. 1,775,998; Sept. 16.
- Greenberg, Louis, Chicago, Ill. Washing machine. 1,754,610; Apr. 15.
- Greenberg, Max, Cleveland, Ohio. Attachment for furnaces. 1,768,684; July 1.
- Greenberg, Robert W., New York, N. Y. Dental mounting. 1,746,347; Feb. 11.
- Greenberg, Samuel J., Brooklyn, N. Y. Thermometer card. Des. 81,330; June 10.
- Greenberg, Sigmund, et al. (See Howard, John, assignor.)
- Greenblatt, Harry, et al. (See Fairhill, Morris S., assignor.)
- Greenbowe, James W., Newark, N. J., assignor to Westinghouse Lamp Company. Coil-forming die. 1,745,928; Feb. 4.
- Greene, Albert E., Seattle, Wash. Electric induction-furnace process. 1,751,856; Mar. 25.
- Greene, Albert E., Seattle, Wash. Electric induction furnace. 1,751,912; Mar. 25.
- Greene, Albert E., Medina, Wash. Electric furnace. 1,751,913; Mar. 25.
- Greene, Albert G., assignor to Revere Rubber Company, Providence, R. I. Bathing cap. Des. 81,441; June 24.
- Greene, Ambrose E., Berkeley, Calif. Quick-acting vise. 1,778,492; Oct. 14.
- Greene, Arthur M., Jr., Princeton, N. J., assignor to Nathan Manufacturing Company, New York, N. Y. Lubricating device. 1,771,536; July 29.
- Greene, Bartholomew H., Sebring, Ohio. Burning rack. 1,770,206; July 8.
- Greene, Charles E., Winchester, assignor to E. B. Badger & Sons Company, Boston, Mass. Expansion joint for rotatable bodies. 1,744,467; Jan. 21.
- Greene, Clarence K., Cananea, Mex. Variable-pitch propeller. 1,782,167; Nov. 18.
- Greene, Daniel A., Flint, Mich. Window channel. 1,748,216; Feb. 25.
- Greene, David F., Boone, N. C. Building toy. 1,771,783; July 29.
- Greene, Frank C., Waukegan, Ill., and I. F. Laucks, Seattle, Wash., assignor to Old Ben Coal Corporation, Chicago, Ill. Carbonization process and apparatus therefor. 1,771,999; Aug. 5.
- Greene, Frank C., Denver, Colo., and I. F. Laucks, Seattle, Wash., assignors to Old Ben Coal Corporation, Chicago, Ill. Method and apparatus for extracting values from coal and the like. 1,775,280; Sept. 9.
- Greene, Frederick, New Haven, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-rod end piece. Des. 80,266; Jan. 7.
- Greene, Frederick, New Haven, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-rod end piece. Des. 80,267; Jan. 7.
- Greene, Frederick, New Haven, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-rod center-piece. Des. 80,268; Jan. 7.
- Greene, Frederick, New Haven, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-rod center-piece. Des. 80,269; Jan. 7.
- Greene, Frederick E. (See Thurber, H. F., and Greene.)
- Greene, Frederick E., Hamden, assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird-cage body. Des. 80,524; Feb. 18.
- Greene, Frederick J., assignor to The Christensen Machine Company, Racine, Wis. Delivery mechanism for signature-stitching machines. 1,781,590; Dec. 9.
- Greene, George W., Hamarville, Pa. Fish net. 1,786,342; Dec. 23.
- Greene, Gilbert F., Washington, D. C. Shaving implement. 1,756,639; Apr. 29.
- Greene, Helena L., Brookline, Mass. Catamenial belt. 1,771,676; July 29.
- Greene, Herman L. (See Taylor, C., and Greene.)
- Greene, John S., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic-film-treating apparatus. 1,747,363; Feb. 18.
- Greene, John S., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic apparatus. 1,777,488; Oct. 7.
- Greene, Le Roy, Chicago, Ill. Vending machine. 1,752,376; Apr. 1.
- Greene, Nelson L., Chicago, Ill. Recording device for automobiles. 1,767,924; June 24.

- Greene, Oscar H., San Jose, Calif. Poultry feed and water trough. 1,749,808; Mar. 11.
- Greene, Oscar V., Cleveland, Ohio. Filter-casing construction. 1,747,364; Feb. 18.
- Greene, Oscar V., Cleveland, Ohio. Filter-casing construction. 1,771,173; July 22.
- Greene Thomas T. (See Williams, S. T., and Greene.)
- Greene, Thomas T., Collingswood, N. J., assignor to Victor Talking Machine Company. Record holder for talking machines. 1,768,052; June 24.
- Greene, William B., deceased, East Cleveland, Ohio, E. B. Price, administratrix, assignor to The Adapti Company. Outlet box. 1,778,151; Oct. 14.
- Greene, William H. H. (See Baier, John M., assignor.)
- Greene, William J. (See Raetz, S. J., and Greene.)
- Greenewald, Eugene L., Flushing, N. Y. Bottle cap, container, and other reenforced product. 1,755,597; Apr. 22.
- Greenfield, Benjamin. (See Fisher, J. P., Greenfield, and Hutchinson.)
- Greenfield, Benjamin, Bartlesville, Okla., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y. Fluid meter. 1,761,295; June 3.
- Greenfield, Benjamin, Bartlesville, Okla., assignor to Doherty Research Company, New York, N. Y. Method of and apparatus for controlling the combustion of oil in oil burners. 1,768,901; July 1.
- Greenfield, Benjamin, assignor to Doherty Research Company, New York, N. Y. Fluid-fuel-fired boiler. 1,781,174; Nov. 11.
- Greenfield, Isidor, New York, N. Y. Hat lining. 1,775,196; Sept. 9.
- Greenfield Tap & Die Corporation. (See Bryant, Elmer J., assignor.)
- Greenfield Tap & Die Corporation. (See Drake, Alden M., assignor.)
- Greenfield Tap & Die Corporation. (See Judge, F., and Drake, assignors.)
- Greenhalgh, George H., and E. J. Sweetland, Hazleton, Pa.; said Greenhalgh assignor to said Sweetland. Oil-refining apparatus for combustion-engine lubrication. 1,764,298; June 17.
- Greenhaus, Abraham S., assignor, by mesne assignments, to Majestic Mills Paper Co. Inc., New York, N. Y. Filing receptacle. 1,759,255; May 20.
- Greenhaw, William R., Healdton, Okla. Boll-weevil and vegetation extinguisher. 1,754,097; Apr. 8.
- Greenheck, William, Lone Rock, Wis. Cheese vat. 1,764,681; June 17.
- Greenhill, Charles W., New York, N. Y. Protective book cover. 1,753,464; Apr. 8.
- Greenhill, Wm. P., & Son. (See Muhlbacher, Ralph, assignor.)
- Greenidge, Ralph M. C. (See Given, F. J., Greenidge, and Weeks.)
- Greening, Herald B., assignor to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Boat hull construction. 1,782,893; Nov. 25.
- Greening, Herald B., Hamilton, Ontario, Canada, and J. W. Galloway, Detroit, Mich., assignors to Galloway Engineering Company, Limited, Hamilton, Ontario, Canada. Cylinder construction for two-cycle internal-combustion engines. 1,778,999; Oct. 21.
- Greening, Herald B., Hamilton, Ontario, Canada, and J. W. Galloway, Detroit, Mich., assignors to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Internal-combustion engine. 1,781,008; Nov. 11.
- Greening, Herald B., Hamilton, Ontario, Canada, and J. W. Galloway, Detroit, Mich., assignors to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Two-cycle internal-combustion engine. 1,781,009; Nov. 11.
- Greening, Herald B., Hamilton, Ontario, Canada, and J. W. Galloway, Detroit, Mich., assignors to Galloway Engineering Company, Limited, Hamilton, Ontario, Canada. Variable-speed transmission. 1,787,246; Dec. 30.
- Greening, Herald B., Hamilton, Ontario, Canada, and J. W. Galloway, Detroit, Mich., assignors to Galloway Engineering Company, Limited, Hamilton, Ontario, Canada. Variable-speed transmission. 1,787,267; Dec. 30.
- Greenleaf, George E., and R. C. Deale, Plainfield, N. J., assignors, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Control system. 1,759,551; May 20.
- Greenleaf, John W., assignor to Rockbestos Products Corporation, New Haven, Conn. Electric heater element and making same. 1,745,757; Feb. 4.
- Greenleaf, Robert M., assignor to Plastoid Products, Inc., Los Angeles, Calif. Handling wet wall board and the like. 1,766,251; June 24.
- Greenlee Bros. & Co. (See Abramson, John H., assignor.)
- Greenpoint Metallic Bed Co. (See Frank, Benjamin M., assignor.)
- Greensfelder, Elmer L., Baltimore, Md. Device for viewing objects above and ahead of automobiles. 1,748,837; Feb. 25.
- Greenstreet, Milfred L., St. Louis, Mo. Convertible bench. 1,757,960; May 13.
- Greenstreet, Oliver P., Owensville, Mo. Razor-blade and nail-file holder. 1,745,535; Feb. 4.
- Greenstreet, Oliver P., Owensville, Mo. Mop wringer. 1,759,397; May 20.
- Greenwald, Harold A., Detroit, Mich. Compressor. 1,757,997; May 13.
- Greenwald, Harold A., assignor to T. C. Whitehead, Detroit, Mich. Pump for refrigerating apparatus. 1,761,036; June 3.
- Greenwald, Jacob, assignor to Menzin Shirt Co. Inc., New York, N. Y. Tie-slip collar. 1,771,254; July 22.
- Greenwald, Paul, Brooklyn, N. Y., assignor to United Kitchen Equipment Co., Inc. Method of and apparatus for making infusions of coffee, tea, and the like. 1,751,477; Mar. 25.
- Greenwell, Nevil. (See Dougherty, R. S. A., and Greenwell.)
- Greenwood, Fergus, London, England, assignor to H. Thruston, Beechhurst, N. Y. Apparatus for producing theatrical illusions. 1,760,842; May 27.
- Greenwood, Peter, Sawyer, Wis. Seat-back rest. 1,759,694; May 20.
- Greenwood, Talma T., East Templeton, Mass. Brake. 1,758,253; May 13.
- Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and contact structure therefor. 1,775,854; Sept. 16.
- Greenwood, Wilbur H. (See Pinkerton, C. S., and Greenwood.)
- Greer, Edward R., Minneapolis, Minn. Sprinkling apparatus. 1,761,723; June 3.
- Greer, Frederick W. (See Greer, Jesse W. and F. W.)
- Greer, Frederick W., Cambridge, Mass. Confection stringing or decorating machine. 1,771,117; July 22.
- Greer, Jesse W. and F. W., Cambridge, Mass. Confectionery-cooling tunnel. 1,753,828; Apr. 8.
- Greer, Leslie W., Phoenix, Ariz. Sprinkler. 1,783,237; Dec. 2.
- Greer, William R., jr., Woodhaven, N. Y., assignor to Orange Lighting Fixture Manufacturing Co. Chandelier. Des. 80,368; Jan. 21.
- Greer, William R., jr., Woodhaven, N. Y., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture wall bracket. Des. 80,369; Jan. 21.
- Greer, William R., jr., Woodhaven, N. Y., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture dome or article of analogous nature. Des. 80,370; Jan. 21.
- Greer, William R., jr., Woodhaven, N. Y., assignor to Orange Lighting Fixture Manufacturing Co. Chandelier body. Des. 80,371; Jan. 21.
- Greer, William R., jr., Woodhaven, N. Y., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture loop or article of analogous nature. Des. 80,372; Jan. 21.
- Greer, William R., jr., Woodhaven, N. Y., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture wall bracket. Des. 80,373; Jan. 21.
- Greer, William R., jr., Woodhaven, N. Y., and E. A. Walker, Newark, N. J., assignors to Orange Lighting Fixture Manufacturing Co. Chandelier body. Des. 80,374; Jan. 21.
- Greffin, Philipp, assignor to Melone-Bovey Lumber Co., Minneapolis, Minn. Printing die. 1,752,298; Apr. 1.
- Gregg, Albert S. (See Bates, Bethel J., assignor.)
- Gregg Company, The. (See Greer, William B., assignor.)
- Gregg, David, Dayton, Ohio. Automatic valve. 1,759,006; May 20.
- Gregg, David, assignor to A C Spark Plug Company, Flint, Mich. Supercharger oiling system. 1,784,433; Dec. 9.
- Gregg, Gilbert C., Storm Lake, Iowa. Saxophone high-note keys. 1,777,200; Sept. 30.
- Gregg, William B., Hackensack, assignor to The Gregg Company, Limited, New York, N. Y. Cane car and the like. 1,763,698; June 17.
- Gregor, Michael, New York, N. Y. Aeroplane construction. 1,747,001; Feb. 11.
- Gregoire, William L., Portland, Oreg., assignor to Beaver Cloak & Suit Manufacturing Company. Power attachment for pressing machines. 1,775,427; Sept. 9.
- Gregorie, Charles H., Macon, Ga. Insectproof bread and cake box construction. 1,748,764; Feb. 25.
- Gregorieff, Nicholas, Scotia, Calif. Control switch for direction signals. 1,757,014; May 6.
- Gregorieff, Nicholas, Scotia, Calif. Signal control switch. 1,777,362; Oct. 7.
- Gregory, Eugene, Ypsilanti, Mich. Rotary chair carrier. 1,747,543; Feb. 18.
- Gregory, Gorge L., assignor of one-third to W. H. Robbins, McAlester, Okla. Plow. 1,767,359; June 24.
- Gregory, Harold D., Camden, N. J. Self-thawing trap. 1,751,583; Mar. 25.
- Gregory, Harold D., Philadelphia, Pa., assignor to American Brown Boveri Electric Corporation, Camden, N. J. Control apparatus. 1,766,510; June 24.
- Gregory, Harry W., Philadelphia, Pa., assignor to Remington Arms Company, Inc. Cash register. 1,763,650; June 17.
- Gregory, James M., New York, N. Y. Automatic signal service. 1,757,571; May 6.
- Gregory, John C., Milford, Utah. Lock. 1,766,784; June 24.
- Gregory, Ralph S. (See Rattay, Joseph J., assignor.)
- Gregovsky, Joseph A., assignor of one-third to M. L. Stansell and one-third to R. F. Cooney, Birmingham, Ala. Ball bearing. 1,747,867; Feb. 18.
- Greibach, Emil H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-indicating device. 1,745,849; Feb. 4.

- Greibach, Emil H., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,757,625; May 6.
- Greider, Clarence E., Lakewood, Ohio, assignor to National Carbon Co., Inc. Transparent film. 1,786,205; Dec. 23.
- Greider, Harold W., Plymouth Meeting, Pa., assignor to The Philip Carey Manufacturing Company. Heat-insulating material and process of manufacture. 1,782,383; Nov. 18.
- Greider, Harold W., Plymouth Meeting, Pa., assignor to The Philip Carey Manufacturing Company. Porous material and the manufacturing process thereof. 1,782,384; Nov. 18.
- Greig, Arthur R., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Dewaxing hydrocarbon oils. 1,782,467; Nov. 25.
- Greig, James W. (See Toncray, M. H., and Greig.)
- Grim, Walther, Berlin, assignor to Siemens Bauunion Gesellschaft mit beschränkter Haftung, Kommanditgesellschaft, Berlin-Siemensstadt, Germany. Wooden construction. 1,786,991; Dec. 30.
- Greiman, George H., Garner, Iowa. Excavator. 1,754,551; Apr. 15.
- Greiner, Anna, née Brecht, administratrix. (See Greiner, Carl.)
- Greiner, Carl, deceased, by Anna Greiner, née Brecht, administratrix, Neuss-on-the-Rhine, Germany. Method and machine for the production of solid glue and gelatin in drop or lens shape. 1,744,884; Jan. 28.
- Greiner, Fritz, Cannstatt/Stuttgart, Germany. Producing cast iron of any desired structure. 1,746,467; Feb. 11.
- Greist, Hubert M., Scarsdale, N. Y. Auxiliary container. 1,762,331; June 10.
- Greist Manufacturing Company, The. (See Carmichael, Andrew J., assignor.)
- Greist Manufacturing Company, The. (See Carmichael, A. J., and Balzano, assignors.)
- Greist Manufacturing Company, The. (See Carmichael, A. J., and Wunderlich, assignors.)
- Greist Manufacturing Company, The. (See Eddy, N., Carmichael, Thurber, and Balzano, assignors.)
- Greist Manufacturing Company, The. (See Elwell, George H., assignor.)
- Greist Manufacturing Company, The. (See Hinman, George L., assignor.)
- Greist Manufacturing Company, The. (See Lawton, H. A., and Carmichael, assignors.)
- Greist Manufacturing Company, The. (See Thurber, H. F., and Greene, assignors.)
- Greist Manufacturing Company, The. (See Zeeck, August D., assignor.)
- Greist, Raymond L. (See Hamm, W. S., and Greist.)
- Greist, Raymond L., assignor to The Adlake Company, Chicago, Ill. Sash guide. 1,759,571; May 20.
- Gremel, Caroline, executrix. (See Gremel, Frank J.)
- Gremel, Frank J., deceased, Detroit, Mich., C. Gremel, executrix. Panel for mold walls. 1,782,921; Nov. 25.
- Gremling, Joseph A. (See Newton, M. C., and Gremling.)
- Grennan Bakeries, Inc. (See Marsh, Henry, assignor.)
- Grennan, Benjamin F., assignor to Eagle Pencil Company, New York, N. Y. Flat drop knife. 1,760,405; May 27.
- Grenzer, Ferdinand, Cannstatt-Stuttgart, assignor to Maschinenfabrik Esslingen, Esslingen, Germany. Manufacture of squirrel-edge rotors for electric machines. 1,762,017; June 3.
- Gresham, Ernest G., Auckland, New Zealand. Spraying apparatus. 1,745,536; Feb. 4.
- Gresley, Leo E., and S. Eusey, assignors to Mueller Brass Co., Port Huron, Mich. Connecting means. 1,776,502; Sept. 23.
- Gress, Henry, South Ozone Park, Long Island, N. Y. Key and license holder. 1,752,380; Apr. 1.
- Gresser, Peter, Detroit, Mich. Grease gun. 1,766,897; June 24.
- Gresser, Peter, Detroit, Mich. Grease gun. 1,784,434; Dec. 9.
- Gretsch & Brenner, Inc. (See Brenner, Fred A., assignor.)
- Gretschel, Rudolph, Berlin, N. J. Roofing-tile machine. 1,777,917; Oct. 7.
- Greune, Heinrich. (See Eckert, W., and Greune.)
- Greune, Heinrich. (See Kränzlein, G., Greune, and Vollmann.)
- Greune, Heinrich. (See Kränzlein, G., Greune, Zahn, and Schmidt.)
- Greune, Heinrich, Höchst-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Cyclic ketonic compounds and preparing them. 1,759,111; May 20.
- Greve, Edgar E., Bellevue, Pa. Hose connection. 1,745,295; Jan. 28.
- Greve, Edgar E., Bellevue, Pa. Drive bushing for rotary drilling machines. 1,749,809; Mar. 11.
- Greve, Edgar E., Bellevue, Pa. Pump barrel. 1,751,914; Mar. 25.
- Greve, Edgar E., Bellevue, assignor to Oil Well Supply Company, Pittsburgh, Pa. Temper screw. 1,759,350; May 20.
- Greve, Edgar E., Bellevue, assignor to Oil Well Supply Company, Pittsburgh, Pa. Eccentric strap construction for pumping powers. 1,761,389; June 3.
- Greve, Edgar E., Bellevue, assignor to Oil Well Supply Company, Pittsburgh, Pa. Sbeave. 1,761,825; June 3.
- Greve, Edgar E., Bellevue, assignor to Oil Well Supply Company, Pittsburgh, Pa. Swivel for rotary drilling apparatus. 1,761,826; June 3.
- Greve, Edgar E., Bellevue, assignor to Oil Well Supply Company, Pittsburgh, Pa. Cable and brake-drum construction. 1,761,827; June 3.
- Greve, Edgar E., Bellevue, assignor to Oil Well Supply Company, Pittsburgh, Pa. Rotary hoist. 1,775,341; Sept. 9.
- Greve, Edgar E., Bellevue, assignor to Oil Well Supply Company, Pittsburgh, Pa. Stuffing box. 1,775,342; Sept. 9.
- Greve, Edgar E., Bellevue, assignor to Oil Well Supply Company, Pittsburgh, Pa. Break-out tongs. 1,775,343; Sept. 9.
- Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Earth-boring rotary. 1,785,254; Dec. 16.
- Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Crown-block-pulley construction. 1,785,255; Dec. 16.
- Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Rotary drilling machine. 1,785,256; Dec. 16.
- Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Control mechanism for rotary drilling apparatus. 1,785,257; Dec. 16.
- Greve, Herman L., assignor to International Mailing Tube and Wrapper Company, Brooklyn, N. Y. Carton. 1,779,403; Oct. 21.
- Greve, Louis W., assignor to The Champion Machine & Forging Company, Cleveland, Ohio. Automatic forging machine. 1,745,214; Jan. 28.
- Greve, Louis W., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Valveless rock drill. 1,748,953; Mar. 4.
- Greve, Louis W., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorber for aircraft. 1,767,069; June 24.
- Greve, Louis W., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorber. 1,782,141; Nov. 18.
- Gribben, William, Detroit, Mich. Wheel for railway rolling stock. 1,785,812; Dec. 23.
- Gribojedoff, Nicolai, Teddington, England. Variable-speed and reversing epicyclic gear. 1,783,877; Dec. 2.
- Grice, John. (See Bache, E. W., and Grice.)
- Grice, John. (See Bache, R. W., and Grice.)
- Grider, Richard L., Lawrence, Kans. Convertible automobile seat. 1,759,942; May 27.
- Grier, John A., assignor to Dubiller Condenser Corporation, New York, N. Y. Attachment plug with renewable fuse. 1,748,838; Feb. 25.
- Grier, Ulysses, New York, N. Y. Aeroplane-cloth speaker. 1,781,949; Nov. 18.
- Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Hatch construction. 1,772,459; Aug. 12.
- Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Rescue tank. 1,772,460; Aug. 12.
- Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Mine-laying submarine boat. 1,772,563; Aug. 12.
- Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Mine-laying submarine. 1,775,855; Sept. 16.
- Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Escape hatch for submarines. 1,779,429; Oct. 28.
- Grieshaber, Hugo E., New London, Conn., assignor to Electric Boat Company, Groton, Conn. Twin gun mount for submarines. 1,781,175; Nov. 11.
- Grieshaber, Hugo E., E. R. Duncklee, New London, Conn., Boat Company, Groton, Conn. Dry-mine-laying submarine and J. F. Trudeau, Bayonne, N. J., assignors to Electric mine. 1,777,304; Oct. 7.
- Griesinger, John, Los Angeles, Calif. Bookmaking machine. 1,776,356; Sept. 23.
- Griess, Justin W., Hamilton, Mass., assignor to The Griess Pfleger Tanning Company, Cincinnati, Ohio. Leather-working machine. 1,778,385; Oct. 14.
- Griess Pfleger Tanning Company, The. (See Griess, Justin W., assignor.)
- Griessbach, Robert, Ludwigshafen-on-the-Rhine, and O. Schliephake, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of potassium ammonium sulphate. 1,754,358; Apr. 15.
- Griessbach, Robert, Ludwigshafen-on-the-Rhine, O. Schliephake and O. Heusler, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of calcium nitrate, alumina, and phosphorus. 1,766,785; June 24.
- Griessbach, Robert, and J. Eisele, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of metal oxides. 1,775,640; Sept. 16.
- Griesser, Charles F. (See Gunter, W. A., and Griesser.)
- Grieve, Robert. (See Ebersol, C. E., and Grieve.)
- Grieve, T., & Co. Limited. (See Grieve, Thomas S., assignor.)
- Grieve, Thomas S., Leicester, England. Circular-knitting machine. 1,770,469; July 15.

- Grieve, Thomas S., Leicester, England. Knitting machine. 1,778,974; Oct. 21.
- Grieve, Thomas S., Leicester, England. Circular-knitting machine. 1,782,298; Nov. 18.
- Grieve, Thomas S., assignor to T. Grieve & Co. Limited, Leicester, England. Yarn-feeding means for circular-knitting machines. 1,782,299; Nov. 18.
- Griffin, Alvah M., Los Angeles, Calif., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Floating deck. 1,777,560; Oct. 7.
- Griffin, Alvah M., Los Angeles, Calif., assignor, by mesne assignments, to Chicago Bridge & Iron Company, Chicago, Ill. Floating deck. 1,783,118; Nov. 25.
- Griffin, Charles L., Easton, Pa. Photographic-film developing, draining and drying frame. 1,747,770; Feb. 18.
- Griffin, Dana A., Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signal reception. 1,765,421; June 24.
- Griffin, Jacob E., Milwaukee, Wis. Radiocabinet. Des. 81,385; June 17.
- Griffin, James H., and E. E. Tiers, Clay Center, Kans. Rotary snowplow. 1,749,810; Mar. 11.
- Griffin, James H., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Process of and apparatus for washing off the felts of polisher runners in glass-polishing apparatus. 1,781,226; Nov. 11.
- Griffin, John J., and Sons Limited. (See Jenkins, Charles E., assignor.)
- Griffin, Joseph F., Teaneck, N. J., assignor to The Superheat Company, New York, N. Y. Exhaust-steam injector. 1,745,613; Feb. 4.
- Griffin, Joseph F., Teaneck, N. J., and A. Williams, Flushing, N. Y., assignors to The Superheater Company, New York, N. Y. Exhaust-steam injector. 1,757,566; May 6.
- Griffin, Maurice F., Los Angeles, Calif. Automobile trunk. Des. 81,533; July 8.
- Griffin, Thomas F., and F. Smith, Pinehurst, N. C. Fruit grading and polishing apparatus. 1,770,916; July 22.
- Griffin Wheel Company. (See Evans, George S., assignor.)
- Griffin, William M., and C. L. Merriman, assignors to Wayne Company, Fort Wayne, Ind. Casing for a liquid-dispensing apparatus. Des. 82,557; Nov. 18.
- Griffin, William M., and R. J. Jauch, assignors to Wayne Company, Fort Wayne, Ind. Tire-inflator mechanism. 1,779,670; Oct. 28.
- Griffith, Archibald L., Cushing, Okla. Automatic fluid lift. 1,770,981; July 22.
- Griffith, Charles R., South Manchester, Conn. Sedimentation tank. 1,757,187; May 6.
- Griffith, David W., New York, N. Y. Taking moving pictures. 1,767,668; June 24.
- Griffith, Floyd H., Kansas City, Mo. Arch corrector. 1,780,479; Nov. 4.
- Griffith, Francis, Passaic, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Universal drag conveyor. 1,786,343; Dec. 23.
- Griffith, George, Silvermere, Cobham, assignor of one-half to The Hoyal Body Corporation (1928) Limited, Weybridge, England. Motor-propelling mechanism for boats. 1,780,075; Oct. 28.
- Griffith, George E., Buffalo, N. N., assignor, by mesne assignments, to Certain-feed Products Corporation. Wall-board package. 1,770,469; July 15.
- Griffith, Henry L., Minneapolis, Minn. Display stand. 1,745,164; Jan. 28.
- Griffith, Leigh M. (See Garbutt, F. E., and Griffith.)
- Griffith, Martha G. S., Dudley, England. Protective device for the tonneaus of motor cars and for other purposes. 1,767,447; June 24.
- Griffith, Palmer W. (See Barsky, G., and Griffith.)
- Griffith, Richard, Hydeville, Vt., assignor by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Guide for rock drills. 1,755,255; Apr. 22.
- Griffith, Thomas E., and L. L. Dadds, assignors to The W. S. Tyler Company, Cleveland, Ohio. Switch mechanism. 1,768,249; June 24.
- Griffith, William B., Audubon, N. J., assignor to Star Sprinkler Corporation. Retarding device for sprinkler-system alarm. 1,744,683; Jan. 21.
- Griffith, William B., Audubon, N. J., assignor to Star Sprinkler Corporation. Pressure-control device. 1,744,684; Jan. 21.
- Griffith, William B., Audubon, N. J., assignor to Star Sprinkler Corporation. Accelerated dry-pipe valve. 1,765,422; June 24.
- Griffith, William B., Audubon, N. J., assignor to Star Sprinkler Corporation. Exhauster for sprinkler systems. 1,765,423; June 24.
- Griffith, Winfred S., Worcester, Mass., and E. H. Hathaway, Apponaug, R. I., assignors to Graton & Knight Company, Worcester, Mass. Scarfing machine. 1,756,640; Apr. 29.
- Griffith, Winfred S., assignor to Graton & Knight Company, Worcester, Mass. Thickness-gauging device for leather, etc. 1,766,745; June 24.
- Griffiths, Benjamin, assignor of one-half to C. E. Richards, Evanston, Ill. Memorandum device. 1,745,255; Jan. 28.
- Griffiths, Francis H., Yonkers, assignor to The Reliable Automatic Sprinkler Company, Inc., New York, N. Y. Accelerator for dry-pipe valves. 1,754,511; Apr. 15.
- Griffiths, Harry A., Birmingham, England. Press for operating on metal or other sheets. 1,778,493; Oct. 14.
- Griffiths, James P., and W. Street-Wilson, deceased, Durban, Natal, South Africa, by E. M. Laughton and E. H. Clements, executors. Rail chair. 1,765,265; June 17.
- Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Window guide. 1,751,733; Mar. 25.
- Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Article of shoe manufacture and making the same. 1,753,702; Apr. 8.
- Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Tire-plugging method and means therefor. 1,754,624; Apr. 15.
- Griffiths, Septimus H., Wheeling, W. Va. Railway-rail joint. 1,750,775; Mar. 18.
- Griffiths, Septimus H., Wheeling, W. Va. Railway-rail joint. 1,756,859; Apr. 29.
- Griffiths, Warren P. (See Lee, Charles F., assignor.)
- Griffiths, William U., Philadelphia, Pa. Quick-acting valve mechanism. 1,769,832; July 1.
- Grigg, Norman C., Drysdale, Victoria, Australia. Method of and apparatus for decorticating, retting, and scutching flax. 1,780,480; Nov. 4.
- Griggs, Elmer V., White Plains, assignor to Western Electric Company, Incorporated, New York, N. Y. Wave transmission system. 1,742,909; Jan. 7.
- Griggs, Harvey D., and J. B. Subira, assignors of one-half to C. A. Smith, San Antonio, Tex. Safety stop sign. 1,785,952; Dec. 23.
- Griggs, Henry L., Pelham, N. Y., assignor, by mesne assignments, to Wm. H. Bristol Talking Picture Corporation, Waterbury, Conn. Combined electrical phonograph and radiocabinet. 1,753,986; Apr. 8.
- Griggs, John O., Steubenville, Ohio. Open-hearth regenerative furnace. 1,785,549; Dec. 16.
- Grigsby, Edward S., Lodi, Calif. Tube evacuator. 1,760,945; June 3.
- Grigsby-Grunow Company. (See Grunow, William C., assignor.)
- Grill, Leopold, assignor to the firm Berndorfer Metallwarenfabrik Arthur Krupp A. G., Berndorf, Austria. Steam-heated vessel. 1,777,969; Oct. 7.
- Grille, Ernest M., Waterbury, assignor, by mesne assignments, to George E. Ailing & Sons, Winsted, Conn. Ash tray. 1,785,305; Dec. 16.
- Grilli, John P. (See Andrews, C. W., Grilli, Wetherbee, and Dougan.)
- Grillot, Jules F. (See Hester, H. P., and Gardner, assignors.)
- Grills, Henry M., Toronto, Ontario, Canada. Grenade support for fire extinguishers. 1,751,810; Mar. 25.
- Grills, Henry M., W. O. Blagdon, and E. J. Brisbow, Toronto, Ontario, Canada. Fire extinguisher. 1,143,133; Jan. 14.
- Grim, Edward H., Dott, W. Va. Electrical switch-operating mechanism. 1,774,709; Sept. 2.
- Grim, James F., assignor of one-half to L. E. Grim, Comstock, Nebr. Cow stall. 1,754,752; Apr. 15.
- Grim, John W., Felton, assignor of one-fourth to W. P. Baker, Abbotstown, and one-fourth to D. E. Brandt, and one-fourth to E. Elgin, East Berlin, Pa. Cultivator. 1,773,672; Aug. 19.
- Grim, Louie E. (See Grim, James F., assignor.)
- Grim, Louie E. (See Haynes, Ernest A., assignor.)
- Grinditch, William H., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Current-rectifying system. 1,759,745; May 20.
- Grinditch, William H., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Radio current-supply device. 1,771,330; July 22.
- Grimes, Lester A., Montclair, assignor to Grimes Sprinkler Company, Inc., Newark, N. J. Dry-pipe valve. 1,751,201; Mar. 18.
- Grimes Sprinkler Company. (See Grimes, Lester A., assignor.)
- Grimes, William L., Franklin, Minn. Beet loader. 1,766,293; June 24.
- Grimes, Wilson D. (See Cowdry, R. H., and Grimes.)
- Grimley, Donald G. (See Whittle, H., and Grimley.)
- Grimley, John P., Harrison, assignor to S. J. Rawlings, Kearney, N. J. Door-holding device. 1,782,816; Nov. 25.
- Grimm, Albert E. (See Windsor, George W., assignor.)
- Grimm, George E., assignor to The Willys-Overland Company, Toledo, Ohio. Vehicle door. 1,759,193; May 20.
- Grimm, George E., assignor to The Willys-Overland Company, Toledo, Ohio. Combination floor board. 1,782,817; Nov. 25.
- Grimm, Louis. (See Zeng, W., and Grimm.)
- Grimm, Max F., San Antonio, Tex. Toy gas cannon. 1,757,523; May 6.
- Grimmeis, n. Herman O., Springfield, Mass. Package. 1,745,929; Feb. 4.
- Grimmel, Harry W. (See Clingenstein, H., and Grimmel.)
- Grimmel, Harry, Weisdorf-on-the-Rhine, and H. Clingenstein, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Naphthocarbazole-hydroxy-azo dyestuffs. 1,766,434; June 24.
- Grimmer, William E., et al. (See Vaught, Le Roy, assignor.)
- Grimson, Gerhard, Berlin-Steglitz, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Telephone system. 1,745,791; Feb. 4.
- Grine, Harry A., Clarksburg, W. Va., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Preparing zinc dust and apparatus therefor. 1,762,716; June 10.
- Griner, Harry B., Oaklyn, N. J. Fastener for awnings. 1,764,950; June 17.

- Griner, Harry B., Merchantville, N. J. Clothes prop. 1,786,533; Dec. 30.
- Grininger, John H., St. Paul, Minn. Regulator for hot-water heaters. 1,778,361; Oct. 14.
- Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Device for placing and removing lamp bulbs. 1,752,737; Apr. 1.
- Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Fuse tongs. 1,753,181; Apr. 1.
- Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Attachment for lamp-bulb-replacing apparatus. 1,757,711; May 6.
- Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Device for placing and removing lamp bulbs. 1,758,078; May 13.
- Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Lamp-base remover. 1,775,428; Sept. 9.
- Grinoch, Jacob B. and S., New York, N. Y. Aeroplane. 1,742,910; Jan. 7.
- Grinoch, Simon. (See Grinoch, Jacob B. and S.)
- Grinslade, Thomas E. (See Foulke, Frank P., assignor.)
- Grip Nut Company. (See Endsley, L. E., and Corff, assignors.)
- Griplock Incorporated. (See Stratton, Mark H., assignor.)
- Gripp, Gustav, Clarkston, Wash. Acetylene-gas generator. 1,743,541; Jan. 14.
- Gripp, William D., Bridgeport, Conn. Power-delivering apparatus for automobiles. 1,779,038; Oct. 21.
- Grisard, Paul D., Poughkeepsie, N. Y. Razor. 1,785,189; Dec. 16.
- Grisard, Paul D., Poughkeepsie, N. Y. Razor. 1,785,190; Dec. 16.
- Grisbaum, Leonard D., assignor to Railway Service & Supply Corporation, Indianapolis, Ind. Reclamation of lubricating oils. 1,777,722; Oct. 7.
- Grisby-Grunow Company. (See Burton, Frank C., assignor.)
- Griscom Russell Company, The. (See Brown, Stanley, assignor.)
- Griscom-Russell Company, The. (See Chute, Stanley J., assignor.)
- Griscom Russell Company, The. (See Jones, Russell C., assignor.)
- Griscom-Russell Company. (See Pabodie, Robert J., assignor.)
- Griscom-Russell Company. (See Price, Joseph, assignor.)
- Grisham, Edward P., St. Louis, Mo. Ventilating apparatus. 1,766,898; June 24.
- Grisham, Luther L., et al. (See Vandivort, Homer H., assignor.)
- Grisham, Richard B., et al. (See Vandivort, Homer H., assignor.)
- Grismore, George W., Salt Lake City, Utah. Flange oiling and safety device. 1,753,410; Apr. 8.
- Grisson, Joseph, New York, N. Y. Refrigerating device. 1,764,299; June 17.
- Grisson, Joseph, New York, N. Y. Massaging device. 1,782,005; Nov. 18.
- Grissinger, David A. (See Neidhammer, Clyde, assignor.)
- Griswold, Andrew E., Seattle, Wash. Quick make and break safety switch. 1,764,401; June 17.
- Griswold, Frank J., assignor to The American Gypsum Company, Port Clinton, Ohio. Plaster board. 1,772,483; Aug. 12.
- Griswold, Frank W., Minneapolis, Minn. Yielding self-arighting lamp or signal device. 1,760,270; May 27.
- Griswold, George M., Denver, Colo. Chalk-line reel. 1,784,064; Dec. 9.
- Griswold, Lester E., Colorado Springs, Colo. Gauge for punches. 1,750,929; Mar. 18.
- Griswold Manufacturing Company. (See McKinney, Lon, assignor.)
- Griswold, Roger W., Ashtabula, Ohio. Mushroom pit. 1,749,134; Mar. 4.
- Griswold, Roger W., 2d, Erie, Pa. Aeroplane. 1,763,888; June 17.
- Griswold, Roger W., 2d, Huntington, N. Y. Fabricated tubular structure and forming the same. 1,773,357; Aug. 19.
- Griswold, Thomas, jr., assignor to The Dow Chemical Company, Midland, Mich. Pressure-relieving method and apparatus for autoclaves and the like. 1,783,163; Nov. 25.
- Griswold, Thomas, jr., assignor to the Dow Chemical Company, Midland, Mich. Apparatus for chemical reactions. 1,785,080; Dec. 16.
- Griswold, Thomas, jr., and R. M. Hunter, assignors to The Dow Chemical Company, Midland, Mich. Making magnesium chloride from chlorine and a magnesium base. 1,756,247; Apr. 29.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,761,474; June 3.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,766,899; June 24.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,766,900; June 24.
- Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,783,614; Dec. 2.
- Griswold, William A., Nashville, Tenn. Gas heater. Des. 82,742; Dec. 9.
- Gritt, Frank, Indianapolis, Ind. Lamp. Des. 82,606; Nov. 25.
- Grob, Armin R., Milwaukee, Wis. System for handling freight and apparatus therefor. 1,783,363; Dec. 2.
- Grob, Henry, Piqua, Ohio. Automobile signal. 1,783,422; Dec. 2.
- Grob, Hugo, Berlin, Germany. Carbon resistance. 1,757,961; May 13.
- Grob, Hugo, Berlin, Germany. System and apparatus for electrical regulation. 1,771,537; July 29.
- Grob, Hugo, Berlin, Germany. Connection system for train-lighting plants connected in parallel. 1,778,026; Oct. 14.
- Grob, Hugo, Berlin, Germany. Device for pushing over a lever upon reversal in the direction of rotation of a shaft. 1,779,970; Oct. 28.
- Grob, Hugo, Berlin, Germany, assignor to Naamlooze Venootschap Machinerieën en Apparaten Fabrieken, Utrecht, Netherlands. Transmitting energy between shafts. 1,759,784; May 20.
- Groble, Jacob C., Anderson, Ind. Fluid-pressure regulator. Re17,738; July 22.
- Groble, Jacob C., Anderson, Ind. Full automatic demand fluid-pressure regulator. 1,745,256; Jan. 28.
- Grodnitzky, Lasar. (See Fischer, H., and Grodnitzky.)
- Groebli, George, Dallas, Tex. Shock absorber. 1,753,430; Apr. 8.
- Groeck, Hans, and F. Jordan, assignors to Groeck Wasserveredlung G. m. b. H., Berlin, Germany. Method and apparatus for mixing flowing media in equal proportions. 1,749,811; Mar. 11.
- Groeck Wasserveredlung G. m. b. H. (See Groeck, H., and Jordan, assignors.)
- Groehn, Otto J. (See Hansen, R. E., and Groehn.)
- Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Fastener-setting device. 1,743,209; Jan. 14.
- Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Method and apparatus for shaping sheet-metal articles. 1,749,913; Mar. 11.
- Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Automobile body. 1,758,396; May 13.
- Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Making panel joints. 1,765,372; June 24.
- Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Flanging body panels. 1,787,151; Dec. 30.
- Groehn, Otto J., Grosse Pointe Park, and L. S. Lamb, Grosse Pointe, assignors to Hudson Motor Car Company, Detroit, Mich. Apparatus for shaping sheet metal. 1,769,570; July 1.
- Groehn, Otto J., Grosse Pointe Park, and L. S. Lamb, Grosse Pointe, assignors to Hudson Motor Car Company, Detroit, Mich. Work holder. 1,769,571; July 1.
- Groen, Christopher, assignor of one-half to H. G. Grosse, Oak Park, Ill. Method of and machine for drying and bleaching laundry. 1,756,821; Apr. 29.
- Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Lapping machine. 1,744,886; Jan. 28.
- Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Chuck in machine tools. 1,748,672; Feb. 25.
- Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Automatic lathe control. 1,750,589; Mar. 11.
- Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Lathe-oiling mechanism. 1,781,755; Nov. 18.
- Groene, William F., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Machine tool. 1,744,885; Jan. 28.
- Groenestein, Philip, Cleveland, Ohio. Glare shield. 1,781,545; Nov. 11.
- Groenestein, Philip J., Cleveland, Ohio. Glare shield. 1,786,011; Dec. 23.
- Groeneveld, Govert C., and C. W. Fuller, Hanford, Calif. Weed cutter. 1,757,858; May 6.
- Groeneveld, Yme B. F. J. (See Dijksterhuis, P. R., and Groeneveld.)
- Groenewold, Dick H., Loyal, Okla. Adjusting bolt. 1,749,341; Mar. 4.
- Groeniger, William C. (See Kelly, E. G., and Zirkle, assignors.)
- Groeniger, William C., and J. C. Cromwell, Columbus, Ohio. Closet system. 1,777,561; Oct. 7.
- Groenke, Paul, assignor to Grundmann & Kuhn, Berlin, Germany. Lift truck. 1,743,542; Jan. 14.
- Grosbeck, Ernie, Oshkosh, Wis. Rotary pump or engine. 1,785,444; Dec. 16.
- Groetchen, Richard, Chicago, Ill. Lap. 1,773,176; Aug. 19.
- Groetchen, Richard, Chicago, Ill. Lap. 1,773,177; Aug. 19.
- Groetken, Joseph J., Aurora, Ill. Liquid-dispensing apparatus. 1,761,885; June 3.
- Groff, Earl B. (See Dickley, G. A. and Groff.)
- Groff, Emory L. (See Hoffman, Charles T., assignor.)
- Groff, Emory L. (See Wolhaupter, D. P., and Groff.)
- Groff, Joseph C., New York, N. Y. Fuel-supplying device. 1,749,975; Mar. 11.

- Groff, Joseph C., Allentown, Pa. Valve-lift-control device for fuel-injecting valves. 1,761,122; June 3.
- Groff, Joseph C., Allentown, Pa. Control device for the fuel-supply pumps of injection-type internal-combustion engines. 1,771,037; July 22.
- Groff, Joseph C., Allentown, Pa. Fuel supplying and injecting pump for internal-combustion engines of the fuel-injection type. 1,771,038; July 22.
- Groggins, Philip H., Washington, D. C. Preparation of 4-halogen - para - phenyl - ortho - benzoyl - benzoic acid. 1,786,526; Dec. 30.
- Groggins, Philip H., Washington, D. C. Preparation of 2-halogen - para - phenyl - ortho - benzoyl - benzoic acid. 1,786,527; Dec. 30.
- Groggins, Philip H., Washington, D. C. Preparing 4-amino - para - phenyl - ortho - benzoyl - benzoic acid. 1,786,528; Dec. 30.
- Groggins, Philip H., Washington, D. C. Preparation of 2-amino - para - phenyl - ortho - benzoyl - benzoic acid. 1,786,529; Dec. 30.
- Groggins, Philip H., Washington, D. C. Preparation of 4-amino - beta - phenyl - anthraquinone by amination. 1,786,530; Dec. 30.
- Groggins, Philip H., Washington, D. C. Preparation of 2-amino - beta - phenyl - anthraquinone by amination. 1,786,531; Dec. 30.
- Groggins, Philip H., Washington, D. C. Preparation of para-phenoxy-ortho-benzoyl-benzoic acid. 1,786,532; Dec. 30.
- Groh, Christian, Caldwell, N. J. Automatic control device for aircraft. 1,754,790; Apr. 15.
- Groh, Harold D., Toronto, Ontario, Canada. Circuit maker and breaker. 1,750,517; Mar. 11.
- Grohek, Matt, Superior, Wis. Pressure-controlled valve. 1,777,611; Oct. 7.
- Groisser, Bennett M. (See Shlager, Abraham E., and L., and Groisser.)
- Groll, Israel, Brooklyn, N. Y. Monument. Des. 81,534; July 8.
- Grom, Henry W., assignor to Continental Optical Frame Company, Newark, N. J. Cover plate for spectacle-frame end piece. Des. 81,535; July 8.
- Grom, Henry W., assignor to Continental Optical Frame Company, Newark, N. J. Making lens mountings. 1,787,266; Dec. 30.
- Grom, Louise, New York, N. Y. Sanitary manicuring towel. 1,755,113; Apr. 15.
- Groman, Russell O., Catasauqua, assignor to Fuller-Lehigh Company, Fullerton, Pa. Pulverizer mill. 1,750,636; Mar. 18.
- Gron, Nicholas, Chicago, Ill. Float switch. 1,768,446; June 24.
- Gronberg, Victor A. (See Card, E. J., and Gronberg.)
- Grönberg, Otto A., Oslo, Norway. Hanger for air cables. 1,749,669; Mar. 4.
- Grondahl, Bjarne. (See Bottker, V., and Grondahl.)
- Grondahl, Hans H. C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Founding apparatus. 1,743,341; Jan. 14.
- Grondahl, Hans H. C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling containers. 1,743,450; Jan. 14.
- Grondahl, Hans H. C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tension device. 1,744,760; Jan. 28.
- Grondahl, Hans H. C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier. 1,764,623; June 17.
- Grondahl, Lars O. (See Geiger, P. H., and Grondahl.)
- Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,750,801; Mar. 18.
- Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Power-supply means. 1,763,097; June 10.
- Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Preparing resistance units. 1,784,435; Dec. 9.
- Grondahl, Lars O., Pittsburgh, and L. F. Howard, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Instrument inclosed in nonmetallic housings. 1,783,784; Dec. 2.
- Gronemeyer, Fred G. (See Darrow, M. S., Hart, Gronemeyer, and Watkins.)
- Gronemeyer, Fred G., St. Louis, Mo., assignor to The Barber Asphalt Company, Philadelphia, Pa. Measuring and cutting device. 1,786,992; Dec. 30.
- Grønning, Alfred, Hellerup, near Copenhagen, Denmark. Filter for liquids. 1,758,284; May 13.
- Gronquist, Albin W., Brainerd, Minn., assignor of one-half to T. E. Heeter, St. Louis, Mo. Rope lock. 1,779,430; Oct. 28.
- Gronwald, August F., Zinten, Germany. Universal attachment for lathes. 1,778,494; Oct. 14.
- Groom, Bryan, Galeshiels, Scotland. Radio loud-speaker. 1,787,268; Dec. 30.
- Groombridge, Walter H., assignor to Arthur J. Dickinson Limited, Deptford, London, England. Manufacture of insecticides. 1,753,887; Apr. 8.
- Groove Lock Co. Inc. (See Leberman, Harry, assignor.)
- Grosch, Carl E., Sturgis, S. Dak. Nonskid chain. 1,758,944; May 20.
- Grose, Ralph L., Findlay, Ohio. Manure spreader. 1,760,490; May 27.
- Grosjean, George B., Shreveport, La. Drain protector. 1,783,082; Nov. 25.
- Gross, Angus R., Baltimore, Md. Oil cooler. 1,776,726; Sept. 23.
- Gross, Arthur R., assignor, by mesne assignments, to Trussbilt Steel Doors, Inc., St. Paul, Minn. Hollow sheet-metal unit. 1,761,037; June 3.
- Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 80,941; Apr. 15.
- Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 80,942; Apr. 15.
- Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 80,943; Apr. 15.
- Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 80,944; Apr. 15.
- Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 80,945; Apr. 15.
- Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 80,946; Apr. 15.
- Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 80,947; Apr. 15.
- Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 80,948; Apr. 15.
- Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 80,949; Apr. 15.
- Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 80,950; Apr. 15.
- Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 81,386; June 17.
- Gross, Benjamin, assignor to Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Finger ring or article of similar nature. Des. 81,736; July 29.
- Gross, Benjamin & Edward J., Co. (See Gross, Benjamin, assignor.)
- Gross, Benjamin & Edward J., Co. (See Gross, Edward J., assignor.)
- Gross, Edward J., New Rochelle, assignor to Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Finger ring or article of similar nature. Des. 80,621; Mar. 4.
- Gross, Edward J., New Rochelle, N. Y. Finger ring or article of similar nature. Des. 82,935; Dec. 30.
- Gross, Edward J., New Rochelle, assignor to Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Finger ring or article of similar nature. Des. 80,622; Mar. 4.
- Gross, Edward J., New Rochelle, N. Y., assignor to Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Finger ring or article of similar nature. Des. 80,833; Apr. 1.
- Gross, Edward J., New Rochelle, assignor to Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Finger ring or article of similar nature. Des. 82,671; Dec. 2.
- Gross, Edward J., New Rochelle, assignor to Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Finger ring or article of similar nature. Des. 82,672; Dec. 2.
- Gross, Edward L., Chicago, Ill. Oil-refining device. 1,755,440; Apr. 22.
- Gross, Emil, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic machine. 1,762,121; June 3.
- Gross, Henry, Ridgewood, assignor to United Fruit Company, New York, N. Y. Conveyor. 1,770,369; July 8.
- Gross, Henry J., Chicago, Ill. Andiron. Des. 80,724; Mar. 18.
- Gross, Hugo, Martinsville, N. J. Safety door for switchboards. 1,774,265; Aug. 26.
- Gross, Jacob G., San Gabriel, Calif. Bevel-cut patch for tubes and other rubber goods. Re17,860; Nov. 11.
- Gross, Jacob W., Hartford, Conn. Book-backing and press-machine combination. 1,780,296; Nov. 4.
- Gross, Joseph, and I. Hellman, Bronx, N. Y. Dental handpiece. 1,781,508; Nov. 11.
- Gross, Joseph E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulating material. 1,750,305; Mar. 11.
- Gross, Miriam, assignor to Miriam Gross Company, Milwaukee, Wis. Knitted garment. Des. 82,743; Dec. 9.
- Gross, Miriam, Company. (See Gross, Miriam, assignor.)
- Gross, Mones, Pottsville, Pa. Adjustable fastener. 1,773,998; Aug. 26.
- Gross, Oliver, assignor to The Gross Photo Supply Company, Toledo, Ohio. Easel photo holder. 1,765,010; June 17.
- Gross, Phillip W., et al. (See Stevens, Arthur C., assignor.)
- Gross Photo Supply Company, The. (See Gross, Oliver, assignor.)
- Gross, Ralph A., assignor to Simplex Paper Box Co., Lititz, Pa. Paper box. 1,758,510; May 13.
- Gross, Ralph A., assignor to Simplex Paper Box Company, Lititz, Pa. Collapsible extension top and bottom box. 1,758,511; May 13.
- Gross, Ralph A., assignor to Simplex Paper Box Company, Lititz, Pa. Collapsible paper box. 1,758,512; May 13.
- Gross, Ralph A., assignor to Simplex Paper Box Company, Lititz, Pa. Collapsible paper box. 1,758,513; May 13.
- Gross, Siegfried, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Buffer. 1,747,238; Feb. 18.
- Gross, William H. (See Daubmeyer, D. C., and Gross.)
- Gross, William J., assignor, by mesne assignments, to Trussbilt Steel Doors, Inc., St. Paul, Minn. Louver. 1,762,223; June 10.
- Gross, Willy, Rottwell-on-the-Neckar, Germany. Spinning machine. 1,743,601; Jan. 14.

- Grosse, Carl, Chicago, assignor of one-half to J. A. Zoubek, Cicero, Ill. Window lock. 1,747,707; Feb. 18.
- Grosse, Carl, Berlin-Hermesdorf, Germany. Vibratory apparatus. 1,780,876; Nov. 4.
- Grosse, Herman G. (See Groen, Christopher, assignor.)
- Grosser, Sidney H., Killarney, Boggabri, New South Wales, Australia. Cranking apparatus for internal-combustion motors. 1,746,468; Feb. 11.
- Grosskreutz, George A. (See Pignocco, John, assignor.)
- Grossman, George J., Chicago, Ill. Toy parachute. 1,765,721; June 24.
- Grossman, Harold, Caldwell, N. J., assignor of one-fourth to W. S. Pritchard, New York, N. Y. Refining pigments. 1,774,510; Sept. 2.
- Grossman, Samuel, et al. (See Grossman, Samuel, assignor.)
- Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, New York, N. Y. Finger ring. Des. 81,442; June 24.
- Grossmann, Alexander. (See Grossmann, Hermann, and A.)
- Grossmann, Hermann and A., Dresden, Germany. Machine for spirally sewing the initial parts of hats or other articles from strips of material and for finishing such articles. 1,745,324; Jan. 28.
- Grossmann, Marcus A., Canton, and D. Williams, assignors to Central Alloy Steel Corporation, Massillon, Ohio. Steel. 1,748,217; Feb. 25.
- Grossmann, Paul. (See Baily, O., and Grossmann.)
- Grosswege, John B., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor control device. 1,774,138; Aug. 26.
- Grosvenor, Graham B., Chicago, Ill., assignor to Otis Elevator Company, Jersey City, N. J. Electric elevator system. 1,767,125; June 24.
- Grosz, Edward, Dysart, Iowa. Pencil. 1,769,572; July 1.
- Grothberg, Edward C., Denver, Colo. Washing machine. 1,779,700; Oct. 28.
- Grothe, Arthur A. (See Wantz, J. B., and Grothe.)
- Grotheer, Lueder H., San Diego, Calif. Miniature steam cooking device. 1,750,265; Mar. 11.
- Grotnes, Carl C., Chicago, Ill. Metal-working machine. 1,757,626; May 6.
- Grotnes, Carl C., Chicago, Ill. Metal-working machine. 1,767,755; June 24.
- Grotnes, Carl C., Chicago, assignor to C. G. Grotnes, Park Ridge, doing business as Chas. Grotnes Machine Works, Chicago, Ill. Metal-working machine. 1,767,754; June 24.
- Grotnes, Charles G. (See Grotnes, Carl C., assignor.)
- Grotnes, Chas., Machine Works. (See Grotnes, Carl C.)
- Grötzinger, Wilhelm. (See Mack, M., and Grötzinger.)
- Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Winding machine. 1,753,187; Apr. 1.
- Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Terminal cap. 1,778,896; Oct. 21.
- Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Socket. 1,781,384; Nov. 11.
- Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Control device. 1,783,645; Dec. 2.
- Grove, Carl J., St. Paul, Minn. Dental stress breaker. 1,746,037; Feb. 4.
- Grove, Cornelius S. (See Miller, W. E., Shinn, and Grove.)
- Grove, Cornelius S., Hickory, N. C. Automatic railway gate. 1,744,628; Jan. 21.
- Grove, Ralph M., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,762,863; June 10.
- Grover, Clarence W., Highland Park, assignor to The Grover Company, Detroit, Mich. Carrier for pneumatic-tube carrier systems. 1,779,164; Oct. 21.
- Grover Company, The. (See Grover, Clarence W., assignor.)
- Grover, Frederick, assignor to The Forgrove Machinery Company Limited, Leeds, England. Machine for wrapping cigars and similar articles. 1,784,349; Dec. 9.
- Grover, George E., New York, assignor to F. T. Towne, Port Chester, J. S. Hedges and W. H. L. Edwards, New York, N. Y. Multiple-coin-controlled turnstile. 1,758,514; May 13.
- Grover, John A., Colorado Springs, Colo. Rotary internal-combustion engine. 1,748,568; Feb. 25.
- Grover, Percy C., Birmingham, Ala. Wheel puller. 1,750,840; Mar. 18.
- Grover, Ray, Milwaukee, Wis. Piston-ring clamp. 1,755,294; Apr. 22.
- Grover, William H., W. S. Pooley, Toledo, Ohio, and C. E. Merritt, Adrian, Mich. Circuit closer. 1,786,391; Dec. 23.
- Groves, Gilbert H., Portland, Oreg. Wrench. 1,748,218; Feb. 25.
- Grow, Harold J., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Shaping edges for fusion welding. 1,787,247; Dec. 30.
- Grubb, Adin A. (See Marshall, Leslie H., assignor.)
- Grubb, Lee, Detroit, Mich. Vehicle signal switch. 1,745,614; Feb. 4.
- Grubbs, Albert M., Warsaw, Ind. Pan lifter. 1,779,394; Oct. 21.
- Grubbs, Elbert E. (See Hardy, Donovan H., assignor.)
- Grubbs, N. C., et al. (See Etchison, Lewis A., assignor.)
- Grubbs, N. C. (See Etchison, L. A., and Neely, assignors.)
- Grube, James L., Cleveland, Ohio. Screw driver. 1,758,945; May 20.
- Grube, John H., Pasadena, assignor to L. B. Eyer, Los Angeles, Calif. Can opener. 1,754,552; Apr. 15.
- Grube, John H., Pasadena, Calif., assignor to Grube Silent Motors Incorporated, Phoenix, Ariz. Engine valve. 1,781,176; Nov. 11.
- Grube, Paul, Breslau, Germany. Pulverizing mountain-ash berries. 1,749,812; Mar. 11.
- Grube Silent Motors Incorporated. (See Grube, John H., assignor.)
- Grubenholzimprägnierung G. m. b. H. (See Steinherz, Desider, assignor.)
- Gruber, Bernard W., Council Bluffs, Iowa. Protective heel plate for galoshes. 1,778,592; Oct. 14.
- Grüber, Franz, Erfurt, Germany. Lead-pencil sharpener. 1,770,336; July 8.
- Gruber, Hans, Muhlendorf, Germany. Fuse for mines or the like. 1,745,758; Feb. 4.
- Gruber, Hans, Muhlendorf, Germany. Device for converting projectiles, bombs, or the like into mines. 1,745,759; Feb. 4.
- Gruber, Karl, Rheydt, Germany. Rolling mill. 1,784,791; Dec. 9.
- Gruber, Louis, New York, N. Y. Method and apparatus for shaping curved surfaces. 1,770,032; July 8.
- Gruber, Oscar, St. Paul, Minn. Watchcase. 1,786,061; Dec. 23.
- Gruber, Samuel A., assignor of one-half to H. M. Cribbs, Verona, Pa. Repair shim for brake linings. 1,756,353; Apr. 29.
- Grubman, Leo J., Belle Harbor, N. Y. Tool for milling eye sockets in doll heads. 1,747,897; Feb. 18.
- Grubman, Leo J., Belle Harbor, N. Y. Tool for milling eye sockets in doll heads and similar hollow structures. 1,747,898; Feb. 18.
- Grubman, Leo J., Belle Harbor, N. Y. Making artificial eyes for dolls. 1,758,192; May 13.
- Grubman, Leo J., Belle Harbor, N. Y. Making artificial eyes for dolls. 1,770,401; July 15.
- Grubman, Leo J., Belle Harbor, N. Y. Eye mounting for dolls and other toys. 1,772,282; Aug. 5.
- Grubman, Leo J., Belle Harbor, N. Y. Sound-producing device. 1,774,055; Aug. 26.
- Grubman, Leo J., Belle Harbor, N. Y. Tool for milling eye sockets in doll heads. 1,775,393; Sept. 9.
- Grubman, Leo J., Belle Harbor, N. Y. Milling eye sockets in doll heads. 1,776,585; Sept. 23.
- Grubman, Leo J., Belle Harbor, N. Y. Eye mounting for dolls. 1,784,519; Dec. 9.
- Grubman, Leo J., Belle Harbor, N. Y. Eye mounting for dolls. 1,784,520; Dec. 9.
- Grubman, Leo J., Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J. Bellows and assembling the parts thereof. 1,773,139; Aug. 19.
- Grubman, Leo J., Belle Harbor, assignor to Markon Manufacturing Co. Inc., New York, N. Y. Artificial eye and applying eyelashes thereto. 1,782,818; Nov. 25.
- Gruen National Watch Case Company, The. (See Beiser, Carl W., assignor.)
- Gruene, William J., Hollis, N. Y., assignor to American Telephone and Telegraph Company. Device for introducing gas into cables. 1,744,887; Jan. 28.
- Gruenholz, Andrew A. (See Gruenholz, Fred P. and A. A.)
- Gruenholz, Fred P. and A. A., Terre Haute, Ind. Flower basket. 1,786,062; Dec. 23.
- Grueter, William B. (See Langill, R. E., and Grueter.)
- Grueter, William B., assignor to The Prescott Company, Menominee, Mich. Gang edger. 1,782,894; Nov. 25.
- Gruetter, Theodore W., Grants Pass, Oreg. Combustion. 1,747,771; Feb. 18.
- Gruman, Horace F., Richmond Heights, Mo., assignor to Lewis Invisible Stitch Machine Company, Kittery, Me. Sewing machine. 1,750,041; Mar. 11.
- Gruman, Horace F., Richmond Heights, Mo., assignor to Lewis Invisible Stitch Machine Company, Kittery, Me. Method of and apparatus for operating on tubular articles. 1,786,298; Dec. 23.
- Gruman, Horace F., St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, Kittery, Me. Sewing machine. 1,769,058; July 1.
- Grummer, Joseph H., assignor of one-half to R. W. McPherson, Cleveland, Ohio. Ice-cream dipper. 1,761,986; June 3.
- Grunbaum, Max, Brooklyn, N. Y. Cellular product and making the same. 1,746,648; Feb. 11.
- Grund, Fletcher D., Weston, assignor to The American Swiss Company, Toledo, Ohio. Door latch. 1,775,455; Sept. 9.
- Grund, Fletcher D., Weston, assignor to The American Swiss Company, Toledo, Ohio. Door latch. 1,775,816; Sept. 16.
- Grund, Fletcher D., Weston, assignor to The American Swiss Company, Toledo, Ohio. Door latch. 1,775,817; Sept. 16.
- Grund, Fletcher D., Weston, assignor to The American Swiss Company, Toledo, Ohio. Door-latch unit. 1,775,818; Sept. 16.
- Grund, Fletcher D., Weston, and H. W. Rightmyer, assignors to The American Swiss Company, Toledo, Ohio. Remote control for door latches. 1,760,491; May 27.
- Grundmann, Anna V., Faribault, assignor to M. G. Grundmann, Faribault, Minn. Shoe. 1,744,308; Jan. 21.
- Grundmann & Kuhn. (See Groenke, Paul, assignor.)

- Grundmann, Michael G. (See Grundmann, Anna V., assignor.)
- Grundon, George F., Middletown, and F. E. Knight, High Spire, Pa. Means to facilitate the electrical bonding of railway rails. 1,783,238; Dec. 2.
- Grune, Max, Pirmasens, Germany. Apparatus for the manufacture of patterns for pressing molds and stamps. 1,775,456; Sept. 9.
- Grunewald, Max E., Allentown, Pa. Cement composition. 1,748,839; Feb. 25.
- Grünhut, Friedrich, Nuremberg, Germany. Luminous character. 1,777,793; Oct. 7.
- Grunin, Israel J., Arlington, Mass. Oil burner. 1,779,844; Oct. 28.
- Grunlee, Sigwald C., assignor to W. F. Hall Printing Company, Chicago, Ill. Wrapping machine. 1,772,143; Aug. 5.
- Grunow, William C., assignor to Grigsby-Grunow Company, Chicago, Ill. Condenser and making same. 1,746,469; Feb. 11.
- Grunow, William C., assignor to Grigsby-Grunow Company, Chicago, Ill. Battery substitute. 1,768,474; June 24.
- Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Ash receptacle. Des. 82,423; Nov. 4.
- Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Can opener. 1,754,315; Apr. 15.
- Grunwald, Fannie, assignor of one-half to J. Cardinal, Brooklyn, N. Y. Fruit crusher. 1,772,099; Aug. 5.
- Grupe, William F., Rutherford, N. J., assignor to Boucher Cork Co., Inc., New York, N. Y. Rain ice method. 1,748,043; Feb. 18.
- Grupe, William F., Rutherford, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Forming products from cork and the resulting product thereof. 1,758,946; May 20.
- Grupe, William F., Rutherford, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Composite cork body, sheet, block, etc., and producing same. 1,762,138; June 3.
- Grupe, William F., Lyndhurst, N. J., assignor to Boucher Cork Co., Inc., New York, N. Y. Cigarette slide container. 1,755,579; Apr. 22.
- Grupe, William F., Lyndhurst, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Envelope for laundering machines. 1,771,784; July 29.
- Grupe, William F., Lyndhurst, N. J., assignor to Endless Belt Corporation, New York, N. Y. Controlling the feed of cigarette tobacco in cigarette-making machines. 1,772,715; Aug. 12.
- Grupe, William F., Hudson Heights, N. J., assignor to Endless Belt Corporation, New York, N. Y. Hopper. 1,774,478; Aug. 26.
- Grupe, William M., Lyndhurst, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Producing cork board and resulting cork board. 1,779,701; Oct. 28.
- Gruss, Francis J., et al., trustees. (See Gruss, Francis K., assignor.)
- Gruss, Francis K., assignor to himself, F. J. Gruss, Redwood City, Calif., and L. Abadie, Berkeley, Calif., as trustees. Vacuum brake. 1,742,444; Jan. 7.
- Gruss, John I., Nashua, N. H. Steering mechanism. 1,763,700; June 17.
- Grütter, Friedrich, Sennwald, Switzerland, assignor, by mesne assignments, to H. Wacker, New York, N. Y. Embroidering machine. 1,772,993; Aug. 12.
- Graver, Perry F., Amarillo, Tex. Cylinder and piston. 1,761,123; June 3.
- Gschwend, Herman. (See Buerk, A. H., and Gschwend.)
- Guaranty Products Company. (See Happe, August, assignor.)
- Guardian Metals Company. (See Coles, Henry L., assignor.)
- Guardian Metals Company. (See Donaldson, J. G., and Coles, assignors.)
- Guardian Safety Seal Company. (See Fabrice, Edward H., assignor.)
- Guardian Trust Company, The. (See Burrell, Edward P., assignor.)
- Guardian Trust Company, The. (See Jackson, William M. S., assignor.)
- Guardian Trust Company of Detroit. (See Lemaigre, Pierre, assignor.)
- Guarsteel Safety Stair Co. (See Felsenthal, Harold, assignor.)
- Guay, Emile J., deceased, Swampscott, by F. Germain, administrator, Swampscott, and F. S. Godfrey, Lynn, Mass., assignors to General Electric Company. Machine for forming rings of segmental pieces. 1,783,040; Nov. 25.
- Gubelmann, Ivan, and R. J. Goodrich, South Milwaukee, and W. Bettwyler, Milwaukee, assignors to The Newport Company, Carrollville, Wis. Coloring matter of the anthracene series. 1,787,069; Dec. 30.
- Gubelmann, Ivan, and C. O. Henke, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Recovering resorcinol. 1,762,979; June 10.
- Gubelmann, Ivan, R. J. Goodrich, and E. T. Howell, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Preparing coloring matter of the dibenzanthrone series. 1,761,624; June 3.
- Gubelmann, Ivan, H. J. Weiland, and O. Stallmann, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Side chain chlorination products of meta nitrotoluene and making the same. 1,761,475; June 3.
- Gubelmann, Ivan, H. J. Weiland, and O. Stallmann, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. 3'-amino-4'-alkyl ethers of ortho benzoic acid and making the same. 1,762,978; June 10.
- Gubelmann, William S., Buffalo, N. Y. Adding and recording machine. 1,742,521; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Adding and recording machine. 1,742,522; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Printing mechanism. 1,742,523; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Key mechanism for key-controlled machines. 1,742,524; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Counting mechanism for calculating and like machines. 1,742,525; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Numbering mechanism for calculating and like machines. 1,742,526; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Transformation mechanism for calculating machines. 1,742,527; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Split-calculating machine. 1,742,528; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Carriage mechanism for calculating and like machines. 1,742,529; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Nonprint mechanism for calculating and like machines. 1,742,530; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Eliminating mechanism for calculating and like machines. 1,742,531; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Repeating mechanism for calculating and like machines. 1,742,532; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Correction mechanism for key-controlled machines. 1,742,533; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Duplicate printing mechanism for calculating and like machines. 1,742,534; Jan. 7.
- Gubelmann, William S., Buffalo, N. Y. Word-printing mechanism. 1,742,535; Jan. 7.
- Guber, Frederick H. (See Van Dyck, A. F., and Guber.)
- Gubler, Hans, Basel, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs containing metals and making same. 1,783,084; Nov. 25.
- Gubler, Hans, and G. De Montmollin, Basel, and J. Spieler, Laufen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs containing metals and making same. 1,783,083; Nov. 25.
- Gudge, Augustus W., Newark, N. J., and E. Wensley, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Producing articles from sheet material. 1,759,844; May 27.
- Gudmundsen, Abraham, American Fork, and A. Gudmundsen, Salt Lake City, Utah. Beet cleaner. 1,747,625; Feb. 18.
- Gudmundsen, Austin. (See Gudmundsen, Abraham, and A.)
- Güede, Manuel G., and J. Cutfn, Tucuman, Argentina. Parachute. 1,755,954; Apr. 22.
- Guedon, Emile C., Schenectady, N. Y., assignor to General Electric Company. Apparatus for producing sound. 1,756,860; Apr. 29.
- Guenard, José L. M., Ponce, P. R. Womb medical applicator. 1,760,751; May 27.
- Guenther, Henry L., Los Angeles, Calif. Double-seaming machine. 1,787,369; Dec. 30.
- Guenther, Rudolph H., Chicago, Ill. Heating device. 1,757,905; May 6.
- Guerin, Amédée, San Francisco, Calif. Vibration conductor for the deaf. 1,784,350; Dec. 9.
- Guerin, Arthur S., Buffalo, and C. E. Schulte, Tonawanda, assignors to Duracolor Co., Inc., North Tonawanda, N. Y. Treating shingles. 1,747,828; Feb. 18.
- Guerin, James M. (See Guerin, Joseph A., sr., and J. M.)
- Guerin, Joseph A., sr., and J. M., Philadelphia, Pa. Utensil for making drip coffee. 1,753,783; Apr. 8.
- Guerini, Annibale A., New York, N. Y. Wall-plastering machine. 1,757,627; May 6.
- Guerini, Annibale A., New York, N. Y. Mechanical brick-layer device. 1,764,836; June 17.
- Gueritey, Charles, Passaic, N. J. Feed mechanism for can-heading machines. 1,747,626; Feb. 18.
- Guermont, Miguel E., assignor to S. I. A. M. Limited, London, England. Apparatus for delivering measured quantities of liquids. 1,773,178; Aug. 19.
- Guernsey, Charles O., Philadelphia, Pa. Cooling system for internal-combustion engines. 1,747,868; Feb. 18.
- Guernsey, Charles O., Philadelphia, Pa. Muffler. 1,750,950; Mar. 11.
- Guernsey, Charles O., Philadelphia, Pa. Internal-combustion engine. 1,765,230; June 17.
- Guerrero, Anthony, Brooklyn, N. Y. Piston packing ring. 1,765,722; June 24.
- Guerry, James E., F. W. Worrall, and A. J. Muglach, Birmingham, Ala. Endless offset sheet. 1,746,152; Feb. 4.
- Guertin, Augustus E., Belmont, Mass. Punch. 1,761,207; June 3.

- Guertin, Paul, & Cie. (See Tapp, Charles E., assignor.)
 Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting machine. 1,782,468; Nov. 25.
 Guethler, William, Philadelphia, Pa. Dough mixer. 1,746,892; Feb. 11.
 Guett, Monroe, assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric switch. 1,744,629; Jan. 21.
 Guett, Monroe, assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Switch terminal. 1,751,325; Mar. 18.
 Guett, Monroe, assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Switch structure. 1,757,859; May 6.
 Guett, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Cleansing apparatus. 1,771,436; July 29.
 Guettinger, Heinrich, Wettingen, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Motive system for direct-current regulators. 1,768,979; July 1.
 Gueux, Joseph J. M., Paris, France. Measuring distributor for liquids. 1,745,896; Feb. 4.
 Gueux, Joseph J. M., Paris, France. Apparatus for delivering measured quantities of liquids. 1,780,127; Oct. 28.
 Guffey, Roy. (See Dew, J. R., and Guffey.)
 Guggenheim, Ezekiel, and H. W. Spellman, Meriden, Conn.; said Spellman assignor to said Guggenheim. Meat tenderer. 1,751,628; Mar. 25.
 Guggenheim, Paul, assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Hosiery-drying-form machine. 1,761,296; June 3.
 Guiberson Corporation, The. (See Bell, Ivan C., assignor.)
 Guiberson Corporation, The. (See Crickmer, Charles S., assignor.)
 Guiberson Corporation, The. (See Crickmer, C. S., and Bell, assignors.)
 Guiberson Corporation, The. (See Guiberson, Samuel A., jr., assignor.)
 Guiberson Corporation, The. (See Mills, Theodore H., assignor.)
 Guiberson Corporation, The. (See Standlee, Harvey R., assignor.)
 Guiberson Corporation, The. (See Wilson, R. A., and Crickmer, assignors.)
 Guiberson, Samuel A., jr., Los Angeles, Calif., assignor to The Guiberson Corporation, Dallas, Tex. Elastic reciprocating member. 1,786,012; Dec. 23.
 Guide Lamp Corporation. (See Schwarze, Herman, assignor.)
 Guiden, Nicholas C., assignor to J. H. Sessions & Son, Bristol, Conn. Hanger support for wardrobe trunks. 1,747,544; Feb. 18.
 Guiden, Nicholas C., assignor to J. H. Sessions & Son, Bristol, Conn. Apparatus for bundling scrap stock. 1,761,124; June 3.
 Guignard, August, Hood River, Oreg. Machine for sterilizing, washing, and drying fruit. 1,748,019; Feb. 18.
 Guilbault, Russell B., Culver City, Calif. Splicing mold. 1,751,811; Mar. 25.
 Guilbert, Paul. (See Legrand, J., and Guilbert.)
 Guild, Herbert C., Berkeley, Calif. Multistage compressor. 1,746,394; Feb. 11.
 Guild, Waldo J. (See Heald, J. N., and Guild.)
 Guild, Waldo J. (See Heald, R. N., Guild, Burns, and Garno.)
 Guilford, Edward H., Glendale, assignor to The Radiore Company, Los Angeles, Calif. Locating unknown conductive bodies. 1,766,378; June 24.
 Guillard, Albert P. G., assignor to Societe Anonyme Du Materiel Simplic, Paris, France. Binding terminal with connecting pieces. 1,774,970; Sept. 2.
 Guillemette, Romeo, Taunton, Mass. Aeroplane-steering apparatus. 1,785,306; Dec. 16.
 Guillet, Albert M., Charlotte, N. C. Leveling and lining spinning frames. Re17,665; May 13.
 Guillet, Albert M., Charlotte, N. C. Adjustable flyer-grinding device. 1,758,791; May 13.
 Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)
 Guillissen, Joseph, Anderlecht, Brussels, assignor, by mesne assignments, to L'Union Chimique Belge, Societe Anonyme, Brussels, Belgium. Dry distillation of vinasses under reduced pressure. 1,756,191; Apr. 29.
 Guillissen, Joseph, assignor to Union Chimique Belge, Societe Anonyme, Brussels, Belgium. Recovery of nitrogen and acetone from vinasses. 1,772,078; Aug. 5.
 Guin, Edgar L., Deerwood, Minn. Headlight-glare shield. 1,768,250; June 24.
 Guinn, Samuel E., Johnson City, Tenn. Cigar lighter. Des. 80,889; Apr. 8.
 Guinsberg, E. A. (See Henry, Beulah L., assignor.)
 Guire, Henry G., and A. L. Chalfonte, Trenton, N. J. Mouth wiper. 1,750,402; Mar. 11.
 Guiss, John D., Seattle, Wash. Headlight positioning apparatus. 1,757,665; May 6.
 Gulbenkian Seamless Rug Company. (See Harding, James E., assignor.)
 Gulbrandsen, Axel G., River Forest, assignor to Gulbrandsen Company, Chicago, Ill. Player piano. 1,745,850; Feb. 4.
 Gulbrandsen Company. (See Forsberg, Gustav A., assignor.)
 Gulbrandsen Company. (See Gulbrandsen, Axel G., assignor.)
 Guldbrandsen, Guldbrand, Louisville, Ky., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Laundry-bag scale. 1,749,746; Mar. 4.
 Guldman, Roy H., North Tarrytown, N. Y. Loud-speaker envelope. 1,759,785; May 20.
 Gulf Oil Burner Company. (See Braybrooks, William McK., assignor.)
 Gulf Oil Corporation of Pennsylvania. (See McKibben, Charles W., assignor.)
 Gulf Production Company. (See Bradley, William S., assignor.)
 Gulf Production Company. (See Fortinberry, Howard F., assignor.)
 Gulf Production Company. (See Poole, G. A., and Forney, assignors.)
 Gulf Refining Company. (See Carpenter, Theodore H., assignor.)
 Gulf Refining Company. (See Henderson, Herbert, assignor.)
 Gulf Refining Company. (See McAfee, A. McD., and Barnes, assignors.)
 Gulf Refining Company. (See McCarty, Robert R., assignor.)
 Gulick, Edward J., Elkhart, Ind. Shock absorber. 1,774,094; Aug. 26.
 Gulick, Edward J., assignor to C. G. Conn., Ltd., Elkhart, Ind. Key pad for wind musical instruments. 1,747,113; Feb. 11.
 Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Tuning-slide-actuating mechanism. 1,759,824; May 20.
 Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Horn. 1,762,577; June 10.
 Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Manufacture of metal tubes. 1,763,582; June 10.
 Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Shaping tubes. 1,764,561; June 17.
 Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Wind musical instrument. 1,764,562; June 17.
 Gullberg, Roy K., assignor to Dayton Scale Company, Dayton, Ohio. Meat chopper. 1,780,914; Nov. 11.
 Gullborg, Arthur V., Chicago, Ill. Filter. 1,763,513; June 10.
 Gullborg, John S., Chicago, assignor to Alemite Die Casting & Mfg. Co., Woodstock, Ill. Handle for door of automobile or the like. Des. 82,673; Dec. 2.
 Gullborg, John S., Chicago, assignor to Alemite Die Casting & Mfg. Co., Woodstock, Ill. Handle for automobile-window lifter or the like. Des. 82,674; Dec. 2.
 Gullborg, John S., Chicago, assignor to Alemite Die Casting & Mfg. Co., Woodstock, Ill. Handle for automobile-window lifter or the like. Des. 82,675; Dec. 2.
 Gullborg, John S., Chicago, assignor to Alemite Die Casting & Mfg. Co., Woodstock, Ill. Handle escutcheon for automobile hardware or the like. Des. 82,676; Dec. 2.
 Gullborg, John S., Chicago, Ill., assignor to Alemite Die Casting & Mfg. Co., Woodstock, Ill. Spotlight. 1,754,512; Apr. 15.
 Gullett Gin Company. (See Johnston, William M., assignor.)
 Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)
 Gullette, William A., assignor of two-thirds to S. K. Frank and one-third to Chas. A. Dick, Wheeling, W. Va., as trustee for J. E. Stevenson, V. G. Gundling, and C. A. Dick. Automobile running-board lamp. 1,784,668; Dec. 9.
 Gullicksen, Ole, assignor to Churchill Cabinet Company, Chicago, Ill. Telephone booth. 1,770,612; July 15.
 Gullion, Elmer E., Kokomo, Ind. Window-shade hanger. 1,770,517; July 15.
 Gumaelius, Olof A. E., Osterbybruk, assignor to Fagersta Bruks Aktiebolag, Fagersta, Sweden. Manufacturing hollow drill steel. 1,763,651; June 17.
 Gumeiner, Samuel, assignor to H. Sokolow, Brooklyn, N. Y. Pocketbook. 1,761,390; June 3.
 Gummo, Elmer P., Monument, Pa. Tying device. 1,749,280; Mar. 4.
 Gump, B. F., Co. (See Hazle, Albert J., jr., assignor.)
 Gumper, Harold D., Detroit, Mich. Voltage regulator for internal-combustion-engine-driven electric generators. 1,786,063; Dec. 23.
 Gunchick, Frank, Walthill, Nebr. Combination suitcase and card table. 1,786,607; Dec. 30.
 Gund, John J., Cleveland, assignor to Lakewood Storage, Inc., Lakewood, Ohio. Combined tractor and trailer. Des. 81,186; May 20.
 Gundal, Peter H., Boston, Mass. Engine. 1,779,878; Oct. 28.
 Gunderman, Lester C., Pittsburgh, Pa. Game. 1,757,998; May 13.
 Gundersen, Rudolph G., New York, and A. Struthers, Yonkers, assignors to New York Engineering Company, New York, N. Y. Heat-exchanging apparatus. 1,759,351; May 20.
 Gunderson, George, J., Erickson, and R. T. Backus, Salerno, Fla. Attachment for motor boats. 1,763,464; June 10.
 Gunderson, Gilbert, Fergus Falls, Minn. Air compressor. 1,748,979; Mar. 4.
 Gunderson, Harley J. (See Parkin, Henry W., assignor.)
 Gundling, Val G. (See Gullette, William A.)
 Gundrup, Lorenz, Springfield, Ill. Bracket. 1,754,714; Apr. 15.
 Gunn, Charles H., Alameda, Calif. Rubber-covered spring bumper. 1,753,411; Apr. 8.

- Gunn, Charles H., San Francisco, Calif. Controllable auxiliary wing for airplanes. 1,755,540; Apr. 22.
- Gunn Furniture Company. (See Gunn, William E., assignor.)
- Gunn, Robert W., and W. A. S. Thompson, assignors, by mesne assignments, to Emsco Derrick & Equipment Company, Los Angeles, Calif. Lock-bottom pump. 1,764,075; June 17.
- Gunn, Robert W., and W. A. S. Thompson, assignors, by mesne assignments, to Emsco Derrick & Equipment Company, Los Angeles, Calif. Pump. 1,783,615; Dec. 2.
- Gunn, Thomas M., Brooklyn, assignor of one-sixth to G. Crosby, Glen Ridge, N. J. Refrigerating system. 1,760,195; May 27.
- Gunn, Thomas M., Brooklyn, N. Y., assignor of one-sixth to G. Crosby, Glen Ridge, N. J. Fluid-displacement apparatus. 1,780,784; Nov. 4.
- Gunn, Thomas M., Brooklyn, N. Y., assignor of one-sixth to G. Crosby, Glen Ridge, N. J. Refrigerating apparatus. 1,786,110; Dec. 23.
- Gunn, William E., assignor to Gunn Furniture Company, Grand Rapids, Mich. Desk. Des. 82,558; Nov. 18.
- Gunnar Per Olof Fogelqvist. (See Granstedt, Johan A., assignor.)
- Gunnison, Foster, Bronxville, assignor to Cox, Nostrand & Gunnison, Inc., Brooklyn, N. Y. Chandelier. Des. 81,234; May 27.
- Gunnlaugsson, Skóll, Rio Vista, Calif. Tobacco pipe. 1,752,431; Apr. 1.
- Gunnlaugsson, Skóll, Rio Vista, Calif. Tobacco pipe. 1,763,514; June 10.
- Gunter, James E., Baltimore, Md. Container. 1,755,441; Apr. 22.
- Gunter, James E., Baltimore, Md. Container. 1,755,442; Apr. 22.
- Gunter, James E., Baltimore, Md. Forming and assembling machine and process. 1,756,427; Apr. 29.
- Gunter, Walter A., and C. F. Griesser, Baltimore, Md., assignors to Eugene Ltd. Hair-drying hood. 1,784,139; Dec. 9.
- Gunthard, August, Arcola, assignor to The Chemical Equipment Manufacturing Company, Paterson, N. J. Apparatus for applying a soft-metal surfacing to hard-metal plates. 1,756,739; Apr. 29.
- Günther, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Sulfonic acids of high wetting, cleaning, and emulsifying power. 1,755,179; Apr. 22.
- Günther, George E. (See Graff, G., Haskins, and Gunther.)
- Günther, Otto, Esslingen-on-the-Neckar, Germany, assignor to Albert T. Otto & Sons, New York, N. Y. Driving gear for locomotives. 1,756,978; May 6.
- Gurley, W. & L. E. (See Arms, Edward W., assignor.)
- Gurley, W. & L. E. (See Kapps, Robert E., assignor.)
- Gurney, Albert J., assignor to The American Mine Door Co., Canton, Ohio. Operating mechanism for mine doors. 1,748,447; Feb. 25.
- Gurney, Albert J., assignor to The American Mine Door Co., Canton, Ohio. Mine door. 1,748,448; Feb. 25.
- Gurney, Albert J., assignor to The American Mine Door Company, Canton, Ohio. Rock duster. 1,781,509; Nov. 11.
- Gurney, Estelle M., New York, N. Y. Circulation regulator for heating systems. 1,782,873; Nov. 25.
- Gurshtel, Harry, et al. (See Stephenson, Preston C., assignor.)
- Gursky, Hyman, and M. Volkes, Brooklyn, N. Y. Folding cot. 1,785,258; Dec. 16.
- Gusdorf, Harold M., Indianapolis, Ind. Forming insoles. 1,763,148; June 10.
- Gushard, Foster L. (See Smith, J. L., and Gushard.)
- Gusmer, Aage, Woodbridge, N. J. Treatment of beverages. 1,765,667; June 24.
- Gust, Frank, Chicago, Ill. Collapsible bonnet. 1,752,172; Mar. 25.
- Gustafson, Adolph P., assignor of one-half to H. Goldstine, Chicago, Ill. Automobile signal. 1,751,812; Mar. 25.
- Gustafson, August W., Hutto, Tex. Planter attachment. 1,780,587; Nov. 4.
- Gustafson, Carl A., Philadelphia, Pa. Low-water-alarm device. 1,769,639; July 1.
- Gustafson, Carl B. (See Bauer, C. A., and Gustafson.)
- Gustafson, Carl J., Aberdeen, S. Dak. Humidifying device. 1,784,725; Dec. 9.
- Gustafson, Edwin A., assignor to A C Spark Plug Company, Flint, Mich. Speedometer drive clamp. 1,783,917; Dec. 2.
- Gustafson, Elmer J. (See Fredrickson, C., and Gustafson.)
- Gustafson, Hjalmer C., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Tool retainer. 1,766,511; June 24.
- Gustafson, Hjalmer C., assignor to Gardner-Denver Company, Denver, Colo. Variable-stroke tool. 1,774,266; Aug. 26.
- Gustafsson, Emil G. T., Stockholm, Sweden. Producing metals in electric furnaces. 1,751,083; Mar. 18.
- Gustafsson, Johan A., Norrtälje, Sweden. Coating surfaces with a hard covering. 1,775,308; Sept. 9.
- Gustafsson, Johan B., assignor of one-fourth to Carl Gunnar Victorin, Hvetlanda, Sweden. Grinding apparatus. 1,748,343; Feb. 25.
- Gustaveson, Joseph C., New York, N. Y. Hat. 1,765,723; June 24.
- Gustaveson, Palmer, Los Angeles, Calif. Wood-buck anchor. 1,779,127; Oct. 21.
- Gustavson, Alvin N., Jamestown, N. Y., assignor to Automatic Registering Machine Company, Inc. Voting machine. 1,747,114; Feb. 11.
- Gustavson, Arthur, Jamestown, N. Y. Disappearing telephone bracket. 1,766,901; June 24.
- Gustavson, Charles. (See Greenbaum, L., Van Hoofstadt, and Gustavson.)
- Gustavson, Erik E., Moline, Ill. Garage-door mechanism. 1,774,484; Aug. 26.
- Gustin, Daniel S. (See McKay, W. A., and Gustin.)
- Gustin, Daniel S., East Orange, N. J., assignor to Westinghouse Lamp Company. Prefocused incandescent electric lamp. 1,760,693; May 27.
- Gustin, Jeremiah V., Little Rock, Ark. Bit-forming machine. 1,767,881; June 24.
- Gustin-Bacon Manufacturing Co. (See Anderson, Harley E., assignor.)
- Gustin-Bacon Manufacturing Co. (See Foyle, John W., assignor.)
- Gutenkunst, William, Milwaukee, Wis. Stock-watering bowl. 1,774,550; Sept. 2.
- Guth, Edwin F., St. Louis, Mo. Lighting fixture. 1,743,851; Jan. 14.
- Guth, Edwin F., St. Louis, Mo. Electric socket. 1,745,691; Feb. 4.
- Guth, Edwin F., St. Louis, Mo. Fan guard. 1,747,627; Feb. 18.
- Guth, Edwin F., St. Louis, Mo. Bowl-holding means for lighting fixtures. 1,753,374; Apr. 8.
- Guth, Edwin F., St. Louis, Mo. Globe for lighting fixtures. 1,763,963; June 17.
- Guth, Edwin F., Company, The. (See Owen, Raymond V., assignor.)
- Guth, Frederick, Seattle, Wash. Cloth-marking device. 1,751,001; Mar. 18.
- Guth, Jacob, St. Louis, Mo. Traction-wheel-cleaning device. 1,761,262; June 3.
- Guth, John A., Covington, Ky. Attachment for dust collectors. 1,761,336; June 3.
- Guthmann, Edward B., Warren, and D. C. Corbett, Bisbee, Ariz. Gravity-flow visible filter. 1,762,224; June 10.
- Guthrie, James M. (See Messler, E. L., and Guthrie.)
- Guthrie, Robert G., and O. J. Wozasek, assignors to Peoples Gas By-Products Corporation, Chicago, Ill. Carburiizing iron or steel. 1,768,317; June 24.
- Gutiérrez, Manuel S., assignor of one-half to J. D. Zubia, Los Angeles, Calif. Detachable shoe heel. 1,743,543; Jan. 14.
- Gutman, Irwin, and G. E. Evans, Pittsburgh, Pa. Septic-tank structure. 1,742,911; Jan. 7.
- Gutman, Irwin, and G. E. Evans, Pittsburgh, Pa. Septic-tank structure. 1,769,340; July 1.
- Gutmann, Paul F., St. Louis, Mo., assignor to Mississippi Glass Company. Production of sheet glass. 1,777,669; Oct. 7.
- Gutmann, Victor. (See Steiner, L., and Gutmann.)
- Gutmann, Victor, Nuremberg, and L. Steiner, Berlin, Germany, assignors to Westinghouse Electric and Manufacturing Company. Inclosed submersible machine. 1,763,149; June 10.
- Gutmann, Victor, Nuremberg, and Ludwig Steiner, Berlin, Germany, assignors to Westinghouse Electric and Manufacturing Company. Submersible pump motor. 1,768,902; July 1.
- Guttman, Herman H., and S., Brooklyn, N. Y. Snap fastener. 1,772,393; Aug. 5.
- Guttman, Martha, New York, N. Y. Book marker or indicator. 1,743,816; Jan. 14.
- Guttman, Sigmund. (See Guttman, Herman H. and S.)
- Gutzwa, Julius T. (See Roettges, F. W., and Gutzwa.)
- Guy, Archie C., et al. (See Vaught, Le Roy, assignor.)
- Guy, Charles E., New Rochelle, N. Y. Attachment for hats and the like. 1,745,416; Feb. 4.
- Guy, Henry L., Hale, England, assignor to Westinghouse Electric & Manufacturing Company. Elastic-fluid turbine. 1,786,993; Dec. 30.
- Guy, Ira D. (See Guy, William H., I. D., and R. E.)
- Guy, John H., Richmond, Va. Educational device. 1,762,864; June 10.
- Guy, Robert E. (See Guy, William H., I. D., and R. E.)
- Guy, Walter De M., Grand Rapids, Mich. Ice-cream attachment for mechanical refrigerators. 1,778,188; Oct. 14.
- Guy, William H., I. D., and R. E., Stockton, Calif. Scraper-control mechanism. 1,784,284; Dec. 9.
- Guyer, Jesse A. (See MacMullin, R. B., and Guyer.)
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Display carton. 1,755,731; Apr. 22.
- Guyes, Adolph. (See Guyes, Samuel W., assignor.)
- Guyes, Samuel W., assignor to A. Guyes, Winston-Salem, N. C. Store wall unit. Des. 82,025; Sept. 16.
- Guymon, Franklin N., Huntington, Utah. Water trough. 1,773,039; Aug. 12.
- Guyot, Reinhard, Los Angeles, Calif. Toy. 1,780,385; Nov. 4.
- Guyot, Walter E., assignor to the Parker Pen Company, Janesville, Wis. Desk-set receptacle and gripper. 1,772,000; Aug. 5.
- Guyton & Cumfer Mfg. Co. (See Cumfer, Harry A., assignor.)
- Guze, Emil B., Chicago, Ill. Screw driver. 1,773,483; Aug. 19.

- Gwaltney, Eugene C., Laurinburg, N. C. Cotton-cleaning machine. 1,771,624; July 29.
- Gwathmey, George T., jr., Norfolk, Va. Eye protector. 1,768,597; July 1.
- Gwathmey, William R. Ruark, Va. Insect trap. 1,770,737; July 15.
- Gwinn, Joseph, M. jr., Buffalo, N. Y., assignor to Consolidated Aircraft Corporation, Buffalo, N. Y. Attachment clamp. 1,769,573; July 1.
- Gwinn, Joseph M., jr., assignor to Consolidated Aircraft Corporation, Buffalo, N. Y. Aircraft. 1,769,574; July 1.
- Gwinn, Joseph M., jr., Buffalo, and R. E. Oversmith, Kenmore, assignors to Consolidated Aircraft Corporation, Buffalo, N. Y. Pulley mount. 1,784,521; Dec. 9.
- Gwisdalla Floatless Carburetor Corporation, The. (See Fulwiler, Arthur W., assignor.)
- Gwisdalla, Peter, Minden City, Mich. Carburetor. 1,769,023; July 1.
- Gwisdalla, Peter, Detroit, Mich. Air gauge and control valve. 1,769,132; July 1.
- Gwisdalla, Peter, Detroit, Mich. Thermostatic regulator for internal-combustion engines. 1,769,133; July 1.
- Gwynn, Albert R., Los Angeles, Calif. Radio log. 1,782,065; Nov. 18.
- Gwynne, Jerome S., Carson, Wash. Wire stretcher. 1,776,184; Sept. 16.
- Gyger, Joseph, Ottawa, assignor to Ottawa Silica Company, Ottawa, Ill. Sand pump. 1,763,234; June 10.
- Gyger, Wayne B., assignor to Ottawa Silica Company, Ottawa, Ill. Sand pump. 1,763,235; June 10.
- Gyllin, Bert, Chicago, Ill. Gear-shift control. 1,762,172; June 10.
- Gylling Åke O. (See Jacobson, O., and Gylling.)
- Gylling, Åke O., assignor to Aktiebolaget Svenska Spiralfabriken, Stockholm, Sweden. Laminated spring. 1,772,935; Aug. 12.
- Gypsum, Lime and Alabastine, Canada, Limited. (See Robinson, L. V., and Thomson, assignors.)
- Gypsy Oil Company. (See Barnard, Maxwell K., assignor.)
- Gypsy Oil Company. (See Porter, Hollis P., assignor.)
- Gyr, Joseph. (See Straub, F., Gyr, and Kaiser.)
- Gyro Process Company. (See Wagner, Cary R., assignor.)
- Gyro Process Company. (See Weaver, Joseph B., assignor.)
- Gyro Process Company. (See Weaver, J. B., Stahl, and Wagner, assignors.)
- Gyro Process Corporation. (See Ramage, Alexander S., assignor.)
- Gzupkaytie, Matt, Baltimore, Md. Rim bolt. 1,744,761; Jan. 28.
- Gzupkaytie, Matt, Baltimore, Md. Rim lug. 1,755,732; Apr. 22.
- Gzupkaytie, Matt, Baltimore, Md. Rim lock. 1,775,377; Sept. 9.
- H. M. P. Supporter Co. (See Pfaltzgraff, Hattie M., assignor.)
- Haack, Frank F. (See Redmond, J. P., and Haack.)
- Haaf, Henry, Mount Vernon, N. Y. Wrist support. 1,753,006; Apr. 1.
- Haag, Ivan L. (See Haag, V. W., Bigler, and Haag.)
- Haag, Vernon W., H. E. Bigler, and I. L. Haag, Chicago, Ill. Antifreeze compound. 1,742,349; Jan. 7.
- Haage, Konrad. (See Pflüger, A., and Haage.)
- Haagen, Max, Berlin-Charlottenburg, Germany. Nonskid wheel. 1,779,909; Oct. 28.
- Haak, Bodo, Neuroessen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Conversion of salts into globular or similar shaped bodies. 1,782,038; Nov. 18.
- Haakh, Hermann, and H. Subal, Luckenwalde, Germany. Treating felts made from animal hairs. 1,745,417; Feb. 4.
- Haan, Gilbert J., assignor to Keeler Brass Company, Grand Rapids, Mich. Door handle. 1,779,431; Oct. 28.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Base for lamp standards. Des. 80,525; Feb. 18.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Lighting unit. Des. 81,003; Apr. 22.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lighting standard. Des. 81,567; July 8.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Head for lighting units. Des. 81,639; July 22.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Head for a lighting unit. Des. 81,640; July 22.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Head for lighting units. Des. 81,641; July 22.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lamp standard. Des. 82,026; Sept. 16.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Head for lighting units. Des. 82,027; Sept. 16.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Canopy for lighting fixtures. Des. 82,373; Oct. 28.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Globe for a lighting fixture. Des. 82,497; Nov. 11.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Finial for lighting fixtures or similar articles. Des. 82,498; Nov. 11.
- Haas, Fred S. (See Caster, J. E., and Haas.)
- Haas, Hermann, Lennep, Germany. Drying apparatus. 1,750,003; Mar. 11.
- Haas, Hermann, Lennep, Germany. Drying apparatus. 1,778,318; Oct. 14.
- Haas, Martin F., Wilkes-Barre, Pa. Thread doubling and twisting machine. 1,777,612; Oct. 7.
- Haas, Paul, assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Combined radio and phonographic radio reproducing system. 1,766,381; June 24.
- Haas, Paul C., Mendon, Mich., assignor, by mesne assignments, to Continental-Diamond Fibre Company, Newark, Del. Composite gear. 1,765,231; June 17.
- Haase, Jorgen I., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Control device for sheet-feeding mechanisms. 1,763,583; June 10.
- Haase, Leo G., Long Beach, Calif. Molding machine. 1,747,708; Feb. 18.
- Haase, Leo G., and F. M. Brooks, assignors to Art Concrete Works, Pasadena, Calif. Water-meter box. 1,781,280; Nov. 11.
- Haase, Oskar, Kassel, Germany. Automatic apparatus for washing and drying hands. 1,765,915; June 24.
- Haase, Otto, Dresden-Altsadt, Germany. Steering mechanism for vehicles. 1,782,265; Nov. 18.
- Haavardsholm, Olav, Oslo, Norway. Gelatin product and manufacturing same. 1,770,573; July 15.
- Habenicht, Frederick K. (See Cooper, W. E., and Habenicht.)
- Habenicht, Frederick K. (See Hoerr, L. A., and Habenicht.)
- Haber, Eugen, Berlin-Charlottenburg, Germany. Air heater. 1,765,916; June 24.
- Haber, Julius, et al (See Brandl, H., and Goldberger, assignors.)
- Haberle, John P., Glen Olden, Pa. Extension for fly swatters. 1,765,147; June 17.
- Haberman, Charles. (See Schmidt, W. O., and Haberman.)
- Habicht, George C., Snyder, N. Y. Rail-tie plate and fastener. 1,783,841; Dec. 2.
- Habicht, Sidney J., Buffalo, N. Y. Door latch. 1,783,785; Dec. 2.
- Habif, Vita, Detroit, Mich. Soldering solution. 1,775,197; Sept. 9.
- Habif, Vita, South Norwood, Ohio, assignor to The Ohio Automobile Radiator Company, Detroit, Mich. Automatic mechanism for forming radiator cores and the like. 1,752,077; Mar. 25.
- Habner, Arthur, Pontiac, assignor to General Motors Corporation, Detroit, Mich. Tire carrier. 1,761,916; June 3.
- Haccius, Charles. (See Bischof, Bernhard, assignor.)
- Hachmuth, Henry C., Comstock Park, Mich. Stepladder. 1,783,616; Dec. 2.
- Hack, Harold W., Shorthills, and J. M. Layng, Glenridge, N. J., assignors to Stewart Hartshorn Company. Sheet-metal curtain roller. 1,756,591; Apr. 29.
- Hackenberg, Nafanael. (See Hackenberg, Stanislav, assignor.)
- Hackenberg, Stanislav, assignor of one-half to N. Hackenberg, San Francisco, Calif. Turbine. 1,781,059; Nov. 11.
- Hacker Manufacturing Company. (See Christopherson, Alfred C., assignor.)
- Hacker Manufacturing Company. (See Trotter, Henry R., assignor.)
- Hackett, Daniel F. (See Pulford, John F., assignor.)
- Hackett, Henry, Selly Oak, Birmingham, and A. Whitaker, Northfield, Birmingham, England. Manufacture of cardboard boxes. 1,782,611; Nov. 25.
- Hackett, James R., Philadelphia, Pa. Bread board and knife holder. 1,771,294; July 22.
- Hackett, James R., Philadelphia, Pa. Combination bread and fruit cutting set. 1,774,551; Sept. 2.
- Hackett, Lewis M., assignor to American Tank Company, Oklahoma City, Okla. Oil and gas separator. 1,770,773; July 15.
- Hackett, Lewis M., assignor to American Tank Company, Oklahoma City, Okla. Skirt for oil and gas separator. 1,770,774; July 15.
- Hackett, Robert W., Upper Darby, and A. G. Worrall, assignors to L. J. Kolb, trading as Safette Glass Company, Philadelphia, Pa. Border seal for laminated glass. 1,785,696; Dec. 16.
- Hackford, John E., London, England. Fuel-oil burner. 1,752,173; Mar. 25.
- Hacking, William F., Burley, Idaho. Broom holder. 1,783,119; Nov. 25.
- Hackley, Roy C., Berkeley, Calif. Lining tunnels with concrete and apparatus therefor. 1,751,147; Mar. 18.
- Hadaday, John B. (See Pope, J. H., and Hadaday.)
- Hadaway, William S., jr., New Rochelle, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Apparatus for cracking oils. 1,751,148; Mar. 18.
- Hadaway, William S., jr., New Rochelle, assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,776,023; Sept. 16.

- Haddad, Michael, Sonora, Ariz. High-pressure-valve structure. 1,766,335; June 24.
- Hadden, Gavin, New York, and C. A. Holden, New Rochelle, N. Y.; said Holden assignor to said Hadden. Airplane landing floor. 1,747,582; Feb. 18.
- Hadden, Gavin, New York, and C. A. Holden, New Rochelle, N. Y.; said Holden assignor to said Hadden. System of runways. 1,747,583; Feb. 18.
- Hadden, William J., assignor to Donaldson Manufacturing Company Limited, Glasgow, Scotland. Roller blind and fitting therefor. 1,746,936; Feb. 11.
- Haddick, Thomas T., St. Boniface, Manitoba, Canada. Making lock nuts. 1,777,201; Sept. 30.
- Haddock, Joseph F., Valley Park, Mo. Safety appliance for switches. 1,745,418; Feb. 4.
- Haddow, William, Ossining, N. Y. Lapping dies. 1,759,112; May 20.
- Haddow, William, Ossining, N. Y. Die-lapping machine. 1,760,406; May 27.
- Hadfield, Claude, Philadelphia, Pa. Welt bar. 1,770,849; July 15.
- Hadfield, John. (See Bennett, J. F., & Hadfield.)
- Hadfield, Robert A., Westminster, England. Manufacture of hollow metal rods, bars, and the like. 1,757,524; May 6.
- Hadfield, Samuel, and G. J. Bucklitch, Lawrence, Mass. Front fluted drawing roll for gill boxes. 1,784,140; Dec. 9.
- Hadley, Art, assignor to The Hadley Company, Inc., Providence, R. I. Bracelet coupling. 1,776,898; Sept. 30.
- Hadley, Charles R., Company. (See Jones, J. M., and Webb, assignors.)
- Hadley Company, The. (See Domler, Charles A., assignor.)
- Hadley Company, The. (See Hadley, Art, assignor.)
- Hadley Company, The. (See Mealy, Charles A., assignor.)
- Hadley Company, The. (See Tost, Charles R., assignor.)
- Hadley, Donald L., Mansfield, Ohio, assignor to Westinghouse Electric and Manufacturing Company. Latch. Des. 80,568; Feb. 25.
- Hadley, Donald L., Mansfield, Ohio, assignor to Westinghouse Electric and Manufacturing Company. Hinge. Des. 80,569; Feb. 25.
- Hadley, Donald L., Mansfield, Ohio, assignor to Westinghouse Electric and Manufacturing Company. Escutcheon plate. Des. 82,258; Oct. 14.
- Hadley, Donald L., Mansfield, Ohio, assignor to The Bryant Electric Company, Bridgeport, Conn. Electrical connector or similar article. Des. 82,499; Nov. 11.
- Hadley, Harlan A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Automatic scale. 1,749,747; Mar. 4.
- Hadley, Harlan A., St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company. Scale. 1,759,900; May 27.
- Hadley, Newton F., Beverly Hills, assignor to Chrysler Corporation, Highland Park, Mich. Propeller shaft. 1,784,436; Dec. 9.
- Hadwik Mfg. Co. Inc. (See Wikstrom, Frank G., assignor.)
- Haefeli, Arnold. (See Ashton, G., and Frei, assignors.)
- Haefell, Arnold. (See Baumgartner, Otto, assignor.)
- Haeg, Louis, New Memphis, Ill. Animal trap. 1,765,975; June 24.
- Haegler, Henri, Geneva, Switzerland. Filter. 1,757,834; May 6.
- Haegler, Henry, Geneva, Switzerland. Air cleaner. 1,757,835; May 6.
- Haegler, Henry W., Geneva, Switzerland. Carburetor. 1,757,833; May 6.
- Haehnel, Wolfram. (See Herrmann, W. O., and Haehnel.)
- Haehre, Einar, Oslo, Norway, assignor to Thomas Roberts and Company, London, England. Silver extraction. 1,747,072; Feb. 11.
- Haentjens, Otto, Hazleton, Pa. Pump system. 1,745,257; Jan. 28.
- Haentjens, Otto, Hazleton, Pa. Priming means for centrifugal pumps. 1,755,000; Apr. 15.
- Haentjens, Otto, Hazleton, Pa. Centrifugal-pump-priming system. 1,782,345; Nov. 18.
- Haerman, Maximilian C., Cleveland, Ohio, assignor to Theo. A. Kochs Company, Chicago, Ill. Corner sign. Des. 80,834; Apr. 1.
- Haertel, Hans R., Wrentham, assignor to T. H. Dumper, trustee, Newton, Mass. Rubber articles and producing the same. 1,785,081; Dec. 16.
- Haertel, Hans R., Wrentham, assignor to T. H. Dumper, trustee, Newton, Mass. Rubber article and producing the same. 1,785,082; Dec. 16.
- Haertel, Hans R., Wrentham, assignor to T. H. Dumper, trustee, Newton, Mass. Producing rubber articles. 1,785,083; Dec. 16.
- Haertel, Hans R., Wrentham, assignor to T. H. Dumper, trustee, Newton, Mass. Rubber articles and producing the same. 1,785,084; Dec. 16.
- Haertel, Hans R., Wrentham, assignor to T. H. Dumper, trustee, Newton, Mass. Rubber articles and producing the same. 1,785,085; Dec. 16.
- Haertl, Paul, Bad Kissingen, Germany. Sampling device and the like. 1,775,641; Sept. 16.
- Hafemeister, Fred E., assignor to The Cleveland Switchboard Company, Cleveland, Ohio. Safety snap switch. 1,782,780; Nov. 25.
- Haferkamp, Carl C., and W. J. Elder, Oswego, N. Y., assignors to The Diamond Match Company, Chicago, Ill. Impregnating match splints. 1,785,864; Dec. 23.
- Haferkorn, Oswald, Poppitz, near Rochlitz, Germany. Switch rail for monorail suspended railways. 1,750,802; Mar. 18.
- Hafermann, Alfred, Berlin-Lichtenrade, Germany. Closure for nonrefillable bottles. 1,750,591; Mar. 11.
- Haff, Charles P., Ambler, Pa., assignor to Ambler Asbestos Shingle & Sheathing Company. Lifting device. 1,769,134; July 1.
- Haffling, Eric V., Stratford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Pressing or molding means and method. 1,749,813; Mar. 11.
- Haffner, Fred J., assignor to O. R. Fuller, Los Angeles, Calif. Adjustable seat base. 1,743,210; Jan. 14.
- Hafleigh, Norman B., Philadelphia, Pa. Bone-deknuckling machine. 1,771,295; July 22.
- Hafeigh, Norman B., Philadelphia, Pa. Bone-sawing machine. 1,780,128; Oct. 28.
- Hafer, Ida E., Bingen, Pa. Transplanter. 1,766,818; June 24.
- Hagan, George J., Company. (See Dauch, Alan D., assignor.)
- Hagan, George J., Company. (See Talley, Randal E., assignor.)
- Hagar, Floyd B., Sacramento, Calif. Rip-saw trough. 1,779,769; Oct. 28.
- Hagel, Albert, assignor to Consolidated Safety Pin Company, Bloomfield, N. J. Safety-pin holder. 1,747,628; Feb. 18.
- Hagel, Eugene A., Chicago, Ill. Electric-circuit connector plug. 1,742,312; Jan. 7.
- Hagel, John L., assignor to The Hagel Wagon Spring Bolster Co., St. Paul, Minn. Hitch. 1,780,186; Nov. 4.
- Hagel, Robert W., New Orleans, La. Coffee percolator. 1,754,553; Apr. 15.
- Hagel Wagon Spring Bolster Co., The. (See Hagel, John L., assignor.)
- Hageline, Emil, assignor to H. D. Lathrop, Chicago, Ill. Milk-can variable feeding mechanism. 1,743,135; Jan. 14.
- Hagelstein, Christian H. T., Stoughton, assignor to Reese Buttonhole Machine Company, Boston, Mass. Sewing machine. 1,745,792; Feb. 4.
- Hageman, Aaron M., Bloomfield, and A. F. Lindstrom, Nutley, N. J., assignors to Westinghouse Lamp Company. Composition for coating vitreous articles. 1,752,792; Apr. 1.
- Hageman, Aaron M., and W. L. Sullivan, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Neutralization of acid waste waters. 1,765,424; June 24.
- Hagemann, Edwin C., Short Hills, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Toroidal inductance device. 1,784,833; Dec. 16.
- Hagemann, Louis F. (See Pringle, W. A., and Hagemann.)
- Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Autographic register. 1,751,547; Mar. 25.
- Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Feed mechanism for autographic registers. 1,776,899; Sept. 30.
- Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Strip feed for autographic registers. 1,776,900; Sept. 30.
- Hagen, Berger A. (See Martell, C., and Hagen.)
- Hagen, Charles F., Geneva, N. Y. Purifying benzol. 1,758,661; May 13.
- Hagen, Christoph, San Francisco, Calif. Combination brush, comb. and mirror. 1,757,999; May 13.
- Hagen, Clarence R. (See Johnston, E. A., Baker, and Hagen.)
- Hagen, Clarence R. (See Johnston, E. A., Benjamin, Baker, and Hagen.)
- Hagen, Joseph, Chicago, Ill. Window-washer's safety-belt terminal. 1,743,915; Jan. 14.
- Hagen, William F., Manitowoc, Wis. Artificial fish lure. 1,772,250; Aug. 5.
- Hagener, Arthur. (See Wood, J. C., Hagener, and Wagner.)
- Hager, Chauncey A., jr., Ord, Nebr. Power operated ice-cream freezer. 1,751,813; Mar. 25.
- Hager, Eugen, Oerlikon, near Zurich, Switzerland. Baking and roasting apparatus. 1,758,571; May 13.
- Hager, Frank O., assignor to Bronze Grave Marker Co., Topeka, Kans. Grave marker. Des. 80,375; Jan. 21.
- Hager, William, and H. Riekert, Cincinnati, Ohio. Air-moistening device for combustion engines. 1,755,733; Apr. 22.
- Hager, William R. (See Bruckmann, P. C., and Hager.)
- Hagerling, F. J. (See Weisler, August, assignor.)
- Hagey, James C., assignor to The Cable Company, Chicago, Ill. Device for controlling air pressure. Re17,716; June 24.
- Haggart, John C., jr., assignor to Republic Truck Sales Corporation, Alma, Mich. Tractor shoe. 1,765,580; June 24.
- Haggart, John C., jr., Alma, assignor to Detroit Patents Holding Company, Detroit, Mich. Radiator. 1,769,640; July 1.

- Haggerty, Charles, assignor to New England Butt Company, Providence, R. I. Carrier for braiding machines. 1,774,056; Aug. 26.
- Hägglund, Erik, Abo, Finland. Treating and utilizing the black liquor obtained in the soda-pulp process. 1,772,216; Aug. 5.
- Hagland, Harvey M. (See Borgmann, C., Marting, and Hagland.)
- Haglund, Gustaf, Stockholm, Sweden. By-product recovery in the digestion of cellulose materials. 1,772,251; Aug. 5.
- Haglund, Hakon H., Flushing, assignor to The Western Union Telegraph Company, New York, N. Y. Multiplex telegraph system. 1,749,735; Mar. 4.
- Haglund, Ture R., Stockholm, Sweden. Producing metals and alloys. 1,764,511; June 17.
- Haglund, Ture R., Stockholm, Sweden, assignor to International Patent Corporation. Producing aluminum compounds. 1,772,936; Aug. 12.
- Haglund, Ture R., Stockholm, Sweden, assignor to International Patent Corporation. Producing aluminum and aluminum alloys. 1,772,937; Aug. 12.
- Hagopian, Serpoochie, San Francisco, Calif. Combined awning and screen. 1,755,955; Apr. 22.
- Hagopian, Vahan, assignor to A. S. Beck Shoe Corporation, New York, N. Y. Store front. Des. 82,150; Sept. 30.
- Hagquist, Gustaf E. (See Bronander, W. B., and Hagquist.)
- Hagstrom, Carl G. (See Hagstrom, Carl J. and C. G.)
- Hagstrom, Carl J. and C. G., Glen Cove, N. Y. Secret-door latch. 1,755,392; Apr. 22.
- Hagstrom, William, Lindsborg, Kans. Belt plane. 1,754,554; Apr. 15.
- Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-metering system. 1,778,319; Oct. 14.
- Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,781,385; Nov. 11.
- Hague, Alfred E., West Orange, and G. H. Peterson, Bloomfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,753,338; Apr. 8.
- Hague, Edward W., Scranton, Pa. Apparatus for producing two-toned glazed paper. 1,775,901; Sept. 16.
- Hahl, Hans, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Dialkylamino-alkylethers of alkylolphenols. 1,754,677; Apr. 15.
- Hahl, Hans, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. New dialkylamino-alkylethers of alkylolphenols. 1,754,678; Apr. 15.
- Hahn, Arthur W., jr., Bronx, N. Y. Soaping device. 1,763,236; June 10.
- Hahn, Benjamin D., Greenville, S. C. Loom mechanism. 1,770,269; July 8.
- Hahn, Fred A., East Moline, Ill. Washing device. 1,780,155; Nov. 4.
- Hahn, Frederick C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Colloided cellulose and indurated fiber. 1,757,755; May 6.
- Hahn, Martin, Boritz, near Riesa-on-the-Elbe, Germany. Producing an explosive. 1,751,326; Mar. 18.
- Hahn, Otto O., Dixon, S. Dak. Land anchor. 1,748,878; Feb. 25.
- Hahn, Roy, Pleasant Valley, Iowa, assignor of one-half to W. Leese. Vegetable topper. 1,780,820; Nov. 4.
- Hahn, Wilhelm, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Split guide blade for centrifugal pumps. 1,771,711; July 29.
- Hahn, William C., Chicago, Ill., assignor to General Electric Company. Protective arrangement. 1,760,550; May 27.
- Hahnemann, William F., Puerto Cortes, Spanish Honduras Central America. Apparatus for producing canals or the like. 1,753,860; Apr. 8.
- Hahnemann, Paul R., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Slip-roll-forming machine. 1,742,654; Jan. 7.
- Hahnemann, Paul R., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Clutch. 1,752,843; Apr. 1.
- Hahnemann, Paul R., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Slip-roll-forming machine. 1,763,304; June 10.
- Hahnemann, Walter. (See Schmidt, K., and Hahnemann.)
- Hahnemann, Walter, Berlin-Marienfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Discharge-tube system. 1,750,102; Mar. 11.
- Hahnemann, Walter, Berlin-Marienfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Piezo-electric device. 1,763,515; June 10.
- Hahnemann, Walter, Kitzberg, near Kiel, Germany. Arrangement for directional transmission and reception by means of electric waves. 1,764,441; June 17.
- Hahnenkamm, Wilhelm, and W. Berger, Frankfurt-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Supporting structure for rollers. 1,774,922; Sept. 2.
- Haig, Rollo A. de H. (See Chorlton, A. E. L., Haig, and Steiger.)
- Haigh, Christopher, Winthrop, Mass. Clutch disk. 1,744,888; Jan. 28.
- Haight, F. A. (See Jackson, Andrew, assignor.)
- Haight, George I., et al. (See Waite, Harry C., assignor.)
- Haight, Harry V., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J. Piston rod. 1,757,082; May 6.
- Haight, Robert S., West Islip, N. Y. Launching or landing apparatus. 1,773,999; Aug. 26.
- Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Train-control system for railroads. 1,748,915; Feb. 25.
- Hails, Edward T., assignor to Super San Towel Cabinet Company, Montgomery, Ala. Sanitary roll-towel cabinet. 1,756,822; Apr. 29.
- Hailwood, Anthony J. (See Gibson, W., Hailwood, Payman, and Shepherdson.)
- Hailwood, Anthony J. (See Shepherdson, A., and Hailwood.)
- Hailwood, Anthony J., Blackley, Manchester, assignor to British Dyestuffs Corporation Limited, Manchester, England. Solubilizing a perylenetetracarboxylic di-imide dyestuff, and dyestuffs produced thereby. 1,776,971; Sept. 30.
- Haims, Philip L., Cleveland, Ohio. Sound-producing instrument. 1,787,196; Dec. 30.
- Hain, Henry J., Vermilion, Ohio, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Coating composition. 1,768,447; June 24.
- Hain, Leon, Brooklyn, N. Y. Lubrication register. 1,778,593; Oct. 14.
- Hain, Malcolm, Montclair, N. J. Spinning frame. 1,776,854; Sept. 30.
- Haines, Edward C., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating. 1,744,699; Jan. 21.
- Haines, George D., Park Ridge, assignor to Porcelain Tile Company, Chicago, Ill. Cutting clamp. 1,746,529; Feb. 11.
- Haines, George H., Caledonia, assignor to The Grain Machinery Company, Marion, Ohio. Mixing apparatus. Re17,875; Nov. 18.
- Haines, George H., Caledonia, assignor to The Grain Machinery Company, of Marion, Ohio. Mixing apparatus. 1,769,575; July 1.
- Haines, George H., Caledonia, assignor to The Grain Machinery Company, Marion, Ohio. Mixing apparatus. 1,769,576; July 1.
- Haines Hosiery Mills, Inc. (See Paget, Harold F., assignor.)
- Haines, Stacey A., Lakewood, assignor, by mesne assignments, to H. E. Duer, North Olmsted, Ohio. Brush wringer mop. 1,754,856; Apr. 15.
- Haines, Stacey A., assignor to H. Leffert, Cleveland, Ohio. Can opener. 1,768,980; July 1.
- Haines, William T. (See Bascom, H. M., and Haines.)
- Hainsworth, Robert B., Maywood, Ill. Gear puller. 1,787,070; Dec. 30.
- Haire, Robert E., Paris, and G. M. Thomson, Caledonia, assignors to Canada Gypsum and Alabastine, Limited, Paris, Ontario, Canada. Finishing wall joints. 1,751,327; Mar. 18.
- Haiss, Alfred W., assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Metallic belt. 1,773,426; Aug. 19.
- Haiss, George, Manufacturing Co. Inc. (See Haiss, Alfred W., assignor.)
- Haiss, George, Manufacturing Co. Inc. (See Haiss, Raymond C., assignor.)
- Haiss, Hugo. (See Kuhne, B. G., and Haiss.)
- Haiss, Raymond C., assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Wagon loader and excavator. 1,771,753; July 29.
- Haiss, Raymond C., assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Conveyer. 1,778,526; Oct. 14.
- Haist, Foster A., assignor to The Keystone Mfg. Co., Buffalo, N. Y. Making ratchet wrenches. 1,761,263; June 3.
- Hajek, Otto, assignor to the firm A. Friedmann, Vienna, Austria. Viscose or rayon pump. 1,774,095; Aug. 26.
- Hajek, Otto, assignor to the firm of Alex. Friedmann, Vienna, Austria. Stop valve. 1,783,646; Dec. 2.
- Hajos, Albin. (See Buffalow, O. T., and Hajos.)
- Hake, William C., St. Louis, Mo. Attachment for sewing machines. 1,743,817; Jan. 14.
- Halach, Stephen F. (See Nagy, Louis, assignor.)
- Halbach, Howard L., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company. Process and apparatus for severing glass sheets. 1,744,045; Jan. 21.
- Halbach, Howard L., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company. Apparatus for drawing sheet glass. 1,753,291; Apr. 8.
- Halbach, Howard L. and D. R. Limbers, Clarksburg, W. Va., assignors to Pittsburgh Plate Glass Company. Apparatus for severing the edges of glass sheets. 1,744,046; Jan. 21.
- Halberstadter, Juda, Elizabeth, N. J. Flowerpot stand. 1,786,994; Dec. 30.
- Halberstadter, Juda, Elizabeth, N. J. Flowerpot holder and bracket therefor. 1,786,995; Dec. 30.
- Halbig, Frederick G., Chepachet, R. I. Windshield. 1,757,769; May 6.
- Halbow, Gustav, Bergen, Germany. Composite jointed lever for the transmission of movement. 1,771,564; July 29.
- Hale, Arthur B., Tampa, Fla. Spray device. 1,757,628; May 6.

- Hale, Ashley G., West Groton, Mass. Safety signal light for street cars. 1,786,534; Dec. 30.
- Hale, Cecil G., St. Louis, Mo. Automobile awning. 1,751,478; Mar. 25.
- Hale, Clyde H., Riverside, and H. J. Kleefisch, Oak Park, Ill. Kitchen utensil. 1,785,191; Dec. 16.
- Hale, Edward E., Buffalo, N. Y. Egg carton. 1,760,132; May 27.
- Hale, Edward E., Buffalo, N. Y. Egg carton. 1,785,898; Dec. 23.
- Hale, Edward J., Minco, Okla. Grain-heading machine. 1,756,788; Apr. 29.
- Hale, Franklyn B., assignor of one-half to W. C. Brumfield, San Francisco, Calif. Fixing electrodes in glass tubes. 1,775,198; Sept. 9.
- Hale, George C. (See Bain, C. J., and Hale.)
- Hale, George W., London, England. Signaling system. 1,777,433; Oct. 7.
- Hale, Henry B., Dunlap, Kans. Shocker attachment for mowing machines. 1,748,020; Feb. 18.
- Hale, John A., Tripoli, Iowa. Sanitary floor for brooders. 1,777,082; Sept. 30.
- Hale & Kilburn Co. (See Bell, Alfred B., assignor.)
- Hale & Kilburn Co. (See Hansen, Conrad T., assignor.)
- Hale, Stephen H., Kansas City, assignor to Gleaner Combine Harvester Corporation, Independence, Mo. Spiral conveyor. 1,780,481; Nov. 4.
- Hale, William E. (See Brown, E. C., and Hale.)
- Hale, William J., assignor to Dow Chemical Company, Midland, Mich. Making diphenyloxide and the like. 1,744,961; Jan. 28.
- Hale, William J., assignor to The Dow Chemical Company, Midland, Mich. Preparation of arylamines. 1,764,869; June 17.
- Haley, Kenneth R., Beaver, assignor to The Phoenix Glass Company, Monaca, Pa. Box or similar receptacle. Des. 80,790; Mar. 25.
- Haley, Michael, West Branch, Mich. Rope fastener. 1,766,121; June 24.
- Haley, Michael, West Branch, Mich. Rope stretcher. 1,766,122; June 24.
- Halford, Frank B., London, England. Internal-combustion engine. 1,783,085; Nov. 25.
- Halinka, George, Detroit, Mich. Latch mechanism. 1,754,889; Apr. 15.
- Halkyard, Harold. (See Addy, C. W., Billing, and Halkyard.)
- Hall, Alfred W., and J. R. Donnelly, Portland, Me. Audiophone. 1,767,176; June 24.
- Hall, Andrew J., Chicago, Ill. Latch. 1,769,341; July 1.
- Hall Arch Company. (See Hall, Arthur F., assignor.)
- Hall, Archibald J., Timbersbrook, Congleton, England, assignor to Celanese Corporation of America. Process in which cellulose acetate, artificial silk, and like products are treated with hot liquors. 1,765,581; June 24.
- Hall, Arthur, Oak Park, assignor to Yaxley Manufacturing Company, Chicago, Ill. Rheostat. 1,757,043; May 6.
- Hall, Arthur E., Perth Amboy, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Treating mixtures of alkali stannates, arsenates, and antimonates. 1,747,709; Feb. 18.
- Hall, Arthur F., assignor to Hall Arch Company, Philadelphia, Pa. Furnace. 1,756,485; Apr. 29.
- Hall, Arthur F., assignor to Hall Arch Company, Philadelphia, Pa. Refractory furnace wall. 1,773,729; Aug. 26.
- Hall, Arthur F., Boston, Mass., assignor to Hall Arch Company, Philadelphia, Pa. Refractory structure. 1,781,780; Nov. 18.
- Hall, Bicknell, Quincy, Mass. Latch for automobile doors. 1,770,917; July 22.
- Hall, Bicknell, Quincy, and E. F. Hathaway, Wellesley, Mass. Winding mechanism particularly adapted for pattern-setting frames. 1,752,738; Apr. 1.
- Hall, Blanche F., Kansas City, Mo. Corset and corselet. 1,777,794; Oct. 7.
- Hall-Brown, Archibald, Purley, and E. W. Jones, Lincoln, England, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Airship-mooring-mast gear. 1,781,010; Nov. 11.
- Hall, C. M., Lamp Company. (See Bamford, Frank L., assignor.)
- Hall, C. M., Lamp Company. (See Johnson, Roy W., assignor.)
- Hall, Carter F., Baltimore, Md. Cooling system for passenger vehicles. 1,781,151; Nov. 11.
- Hall, Charles L., Great Neck, N. Y., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,768,475; June 24.
- Hall, Charles S., assignor of one-third to H. W. Lombard and one-third to A. C. Bagley, Cottage Grove, Oreg. Vending stand. Des. 81,787; Aug. 12.
- Hall, Charles S., Oakland, Calif., assignor to Hall Engineering & Aircraft Construction Company. Storage and conveying mechanism for aircraft. 1,777,083; Sept. 30.
- Hall, Charles W., Larchmont, N. Y. Landing gear for airplanes. 1,760,644; May 27.
- Hall, Chester I., Philadelphia, Pa., assignor to General Electric Company. Room thermostat. Des. 81,788; Aug. 12.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Relay circuits. 1,751,328; Mar. 18.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Electromagnetic device. 1,769,877; July 1.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Spring-rewinding means. 1,770,775; July 15.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Synchronous motor-driven phonograph. 1,731,577; Nov. 11.
- Hall & Connolly, Inc. (See Hall, Theodore, assignor.)
- Hall, Cortice H., Paterson, N. J., assignor to Domestic Stoker Company, New York, N. Y. Ash-removing device. 1,756,025; Apr. 29.
- Hall, Cortice H., Glen Rock, N. J., assignor to Domestic Stoker Company, New York, N. Y. Furnace. 1,762,816; June 10.
- Hall, David C., Dunedin, Fla. Exercising device. 1,779,594; Oct. 28.
- Hall Draft Gear Corporation. (See Hall, Joseph M., assignor.)
- Hall Draft Gear Corporation. (See Sherman, Clifton W., assignor.)
- Hall Draft Gear Corporation. (See Sherman, C. W., and Hall, assignors.)
- Hall, Earl C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating material. 1,764,624; June 17.
- Hall, Earl C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating material. 1,764,625; June 17.
- Hall, Earl K. (See Weaver, G. E., and Hall.)
- Hall, Eddie F., West Lynn, Mass. Shoe fastener. 1,766,435; June 24.
- Hall, Edward H., Schenectady, N. Y., assignor to General Electric Company. System of electric distribution. 1,743,771; Jan. 14.
- Hall, Edward H., Springfield, Pa., assignor to General Electric Company. Regulating system. 1,776,151; Sept. 16.
- Hall, Edward L., et al. (See Rider, Herbert E., assignor.)
- Hall, Edwin A., Daggett, Mich. Roll construction for grist-mills. 1,754,270; Apr. 15.
- Hall, Edwin T., Boston, Mass., assignor to Sullivan Machinery Company. Drilling mechanism. 1,761,337; June 3.
- Hall, Elbert J. (See Winslow, C. A., and Hall.)
- Hall, Elbert J., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Car construction. 1,743,211; Jan. 14.
- Hall, Elbert J., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Coupling. 1,760,492; May 27.
- Hall, Elbert J., Berkeley, Calif., assignor to American Car and Foundry Securities Corporation. Self-propelled railway car. 1,748,125; Feb. 25.
- Hall, Elbert J., Berkeley, Calif., assignor to American Car and Foundry Motors Company, New York, N. Y. Air control for internal-combustion engines. 1,784,006; Dec. 9.
- Hall, Elbert J., Berkeley, Calif., and C. A. Winslow, Michigan City, Ind. Air cleaner. 1,751,915; Mar. 25.
- Hall, Elwin B. (See Armentrout, A. L., and Hall.)
- Hall, Emil E., Groton, Conn. Motor-vehicle rear-curtain operator. 1,755,734; Apr. 22.
- Hall Engineering & Aircraft Construction Company. (See Hall, Charles S., assignor.)
- Hall, Ernest, Fairfax, Ala. Feeler mechanism. 1,744,630; Jan. 21.
- Hall, Ernest A., assignor to The Hall Manufacturing Company, Toledo, Ohio. Pilot stem. 1,748,126; Feb. 25.
- Hall, Ernest A., assignor to The Hall Manufacturing Co., Toledo, Ohio. Portable grinding tool. 1,760,493; May 27.
- Hall, Frank H., assignor to Bovaird & Company, Bradford, Pa. Sucker-rod turner. 1,780,877; Nov. 4.
- Hall, Frank W., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Illuminating oil and making same. 1,752,299; Apr. 1.
- Hall, Frederick B., Richmond, Va. Combined pipe-tapping and plug-setting machine. 1,783,503; Dec. 2.
- Hall, Frederick E., North Easton, Mass., and C. E. Weber, Waterbury, Conn., assignors to The Chase Companies, Incorporated, Waterbury, Conn. Hose connector for air pumps and the like. 1,774,918; Sept. 2.
- Hall, Frederick H., Holford, England. Brake-actuating mechanism. 1,754,387; Apr. 15.
- Hall, Frederick R., Arncliffe, near Sydney, New South Wales, Australia. Apparatus for extracting moisture from air. 1,780,156; Nov. 4.
- Hall, George D., Kearney, Nebr. Automatic door. 1,767,448; June 24.
- Hall, George E. (See Witten, Arthur P., assignor.)
- Hall, George F., assignor to American Sterilizer Company, Erie, Pa. Bedpan cleaner. 1,766,629; June 24.
- Hall, Guy H., Evanston, Ill. Rotary tiller attachment for disk plows. 1,750,887; Mar. 18.
- Hall, Harry E., St. Charles, assignor to Freeman and Sweet, Chicago, Ill. Acoustic amplifier. 1,759,614; May 20.
- Hall, Hartwell & Co. Inc. (See Hunter, Ralph, assignor.)
- Hall, Harvey H., Arvada, Colo. Automatic parking device for automobiles. 1,772,716; Aug. 12.

- Hall, Horace C., Littleover, Derby, and T. F. Bradbury assignors to Rolls Royce Limited, Derby, England. Aluminum alloy. 1,744,545; Jan. 21.
- Hall, Horace C., and T. F. Bradbury, assignors to Rolls Royce Limited, Derby, England. Aluminum alloy. 1,782,300; Nov. 18.
- Hall, Horace W., Newton, Mass. Tennis racket or similar article. Des. 81,875; Aug. 26.
- Hall, Howard J. (See Cannon, W. A., and Hall.)
- Hall, Hubert. (See Thrower, Marion R., assignor.)
- Hall, J. Goodwin. (See Payne, Clarence Q., assignor.)
- Hall, James A., Bedford, and W. F. C. George, Wilby, England. Grain-conditioning machine. 1,746,348; Feb. 11.
- Hall, Jay B., Eugene, Oreg. Snowplow. 1,781,578; Nov. 11.
- Hall, Jay B., Portland, Oreg., assignor to W. E. Hall, Saskatoon, Saskatchewan, Canada. Luggage or step carrier to be attached to automobiles or other vehicles. 1,754,555; Apr. 15.
- Hall, Jewell H., et al. (See Johnson, Willard M., assignor.)
- Hall, Joe L., et al. (See Foreman, Dave, assignor.)
- Hall, John A., and W. L. Newell, Seattle, Wash., assignors to Parker Rotary Stone Saw Company, San Francisco, Calif. Stonecutting machine. 1,772,001; Aug. 5.
- Hall, John R., K. C. McLeod, and O. B. Heatley, Melbourne, Victoria, Australia. Side screen or curtain for motor vehicles. 1,757,860; May 6.
- Hall, John W., Santa Ana, Calif. Capping-device valve for wells. 1,784,007; Dec. 9.
- Hall, Joseph M. (See Sherman, C. W., and Hall.)
- Hall, Joseph M., Hamilton, Ontario, Canada, assignor to Universal Draft Gear Attachment Co. Buffer for railway bars. 1,745,165; Jan. 28.
- Hall, Joseph M., Hamilton, Ontario, Canada, assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Shock absorber. 1,766,336; June 24.
- Hall, Joseph M., Hamilton, Ontario, Canada, assignor to Hall Draft Gear Corporation, Buffalo, N. Y. Shock absorber. 1,776,972; Sept. 30.
- Hall, Joseph M., Hamilton, Ontario, Canada, assignor to Hall Draft Gear Corporation, Buffalo, N. Y. Shock absorber. 1,776,973; Sept. 30.
- Hall, Joseph W., Denver, Colo. Door lock. 1,770,751; July 15.
- Hall, Lena R., Miami, Fla. Belt-turning bodkin. 1,747,436; Feb. 18.
- Hall, Lindsay S., New Bedford, Mass., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Traveler for twister rings. 1,778,846; Oct. 7.
- Hall, Malcolm B., assignor to The Foxboro Company, Foxboro, Mass. Dry kiln. 1,757,629; May 6.
- Hall Manufacturing Co., The. (See Hall, Ernest A., assignor.)
- Hall Manufacturing Company. (See Rickey, J. J., and Franklin, assignors.)
- Hall-Neal Furnace Company. (See Neal, Harry W., assignor.)
- Hall Nelson Manufacturing Company. (See Danielson, Charles, assignor.)
- Hall, Norman E. (See Krause, John M., assignor.)
- Hall, Oliver A., Seattle, Wash., assignor to Brown Line Process Company. Photographic chemical process and material. 1,752,174; Mar. 25.
- Hall, Ralph E., Pittsburgh, assignor to J. M. Hopwood, Dormont Borough, Pa. Treatment of steam-boiler water. 1,759,615; May 20.
- Hall, Randolph F., assignor to Lincoln-Alliance Bank, trustee, Rochester, N. Y. Airplane. 1,773,225; Aug. 19.
- Hall, Ray E., assignor to Hall Research Corporation, Chicago, Ill. Tank gauge. 1,759,572; May 20.
- Hall Research Corporation. (See Hall, Ray E., assignor.)
- Hall, Richard L. (See Robinson, Earl M., assignor.)
- Hall, Robert, Ocean Falls, British Columbia, Canada. Hose reel. 1,769,342; July 1.
- Hall, Robert F., Schenectady, N. Y. Truck for railway rolling stock. 1,782,093; Nov. 18.
- Hall, Roy M., Buffalo, N. Y., assignor of one-half to T. J. Moore, New Orleans, La. Aeronautical power plant. 1,774,016; Aug. 26.
- Hall, Samuel B., Brooklyn, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,748,475; Feb. 25.
- Hall, Samuel W. (See Struble, C. H., and Hall.)
- Hall, Theodore, assignor to Hall & Connolly, Inc., New York, N. Y. Rectangular shutter for spotlights. 1,767,756; June 24.
- Hall, Thomas. (See Wood, A. C., and Hall.)
- Hall, Thomas W., Leonard, Ontario, Canada. Flax-pulling mechanism. 1,751,916; Mar. 25.
- Hall, W. F., Printing Company. (See Grunlee, Sigwald C., assignor.)
- Hall, W. F., Printing Company. (See Harrison, William H., jr., assignor.)
- Hall, W. M. (See West, William L., assignor.)
- Hall, Walter H., assignor to Goodspeed Machine Company, Winchendon, Mass. Double-cylinder planer. 1,749,938; Mar. 11.
- Hall, Walter H., Winchendon, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Work-positioning device for wood-heel jacks. 1,762,296; June 10.
- Hall, Wesley R., Cincinnati, Ohio. Garage construction. 1,784,870; Dec. 16.
- Hall, Wilbur E. (See Hall, Jay B., assignor.)
- Hall, William, et al. (See Wheldon, George H., assignor.)
- Hall, William E., and C. P. Bascom, Philadelphia, Pa. Ax rack. 1,747,973; Feb. 28.
- Hall, William G., Manila, P. I., assignor of one-half to R. C. Pitcairn, Honolulu, Hawaii. Crystallizer. 1,769,779; July 1.
- Hall, William S., San Antonio, Tex. Aeroplane wing. 1,787,370; Dec. 30.
- Hallack, William, Dearborn, Mich. Electrical measuring instrument. 1,764,258; June 17.
- Hallahan, Frederick E. (See Thomas, A., and Hallahan.)
- Hallam, Harry, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for skiving shoe stiffeners. 1,768,685; July 1.
- Hallam, Ralph M., and W. E., Amberg, said Amberg assignor to said Hallam. Hasp. 1,785,772; Dec. 23.
- Hallam, Stanley M. (See Hine, R. E., and Hallam.)
- Hallander, Josef A., Stockholm, Sweden. Flying machine having two or more supporting planes. 1,743,887; Jan. 14.
- Halden, Frederick G. (See Connery, A. F., and Halden.)
- Haldin, Gustaf, assignor of one-half to C. W. Clark, Indiana, Pa. Sustaining attachment for airplanes. 1,757,630; May 6.
- Halle, Bobbe, Galveston, Tex., assignor of one-half to Stovall, Monroe, La. Welding apparatus. 1,775,311; Sept. 9.
- Halle & Co. Aktiengesellschaft. (See Schmidt, M. P., Zahn, and Krieger, assignors.)
- Halleck, Frank A., Michigan City, Ind., assignor to Sullivan Machinery Company. Tractor. 1,771,625; July 29.
- Hallenbeck, Charles V., Rifle, Colo. Hoisting apparatus. 1,746,079; Feb. 4.
- Hallenbeck, George E., assignor to Baker Brothers, Inc., Toledo, Ohio. Narrow-frame drill press. 1,751,994; Mar. 25.
- Hallenbeck, George E., assignor to Baker Brothers, Inc., Toledo, Ohio. Boring machine. 1,763,964; June 17.
- Hallene, Clarence W. (See Hunt, W. P., Hallene, and Brandenburg.)
- Haller, Arnold. (See Kuntze, K., Haller, and Wirz.)
- Haller, Arnold, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Insulator construction. 1,749,534; Mar. 4.
- Haller, Charles W., assignor to Wheeling Bronze Casting Company, Wheeling, W. Va. Pickling crate. Re17,882; Nov. 25.
- Haller, Frank B., et al. (See Kastrup, Harry, assignor.)
- Haller, Josef, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Making naphthisatin compounds. 1,754,098; Apr. 8.
- Haller, Louis G., Chattanooga, Tenn. Boiler. 1,762,779; June 10.
- Haller, Ludwig, Stuttgart, Germany. Tooth clamp. 1,785,624; Dec. 16.
- Haller, Oliver J. (See Connely, B. W., and Haller.)
- Hallesche Pfannenschachtel Abteilung der Mansfeld Aktiengesellschaft für Bergbau und Huttenbetrieb. (See Hillmann, Hans, assignor.)
- Hallett, George E. A., assignor to General Motors Research Corporation, Detroit, Mich. Brake control. 1,755,989; Apr. 22.
- Hallett, George E. A., assignor to General Motors Research Corporation, Detroit, Mich. Hydraulic valve mechanism. 1,757,425; May 6.
- Hallett, George E. A., assignor to General Motors Research Corporation, Dayton, Ohio. Hydraulic braking system for motor vehicles. 1,768,355; June 24.
- Hallett, George E. A., assignor to General Motors Research Corporation, Detroit, Mich. Hydraulic mechanism. 1,768,476; June 24.
- Hallett, George E. A., assignor to General Motors Research Corporation, Dayton, Ohio. Variable-speed power-transmission unit. 1,780,423; Nov. 4.
- Hallett, George E. A., assignor to General Motors Research Corporation, Detroit, Mich. Double-acting shock absorber. 1,785,899; Dec. 23.
- Hallett, William L., Arlington, Mass. Water heater. 1,779,165; Oct. 21.
- Halliburton Oil Well Cementing Company. (See Lewis, Doc L., assignor.)
- Halliwell, John J., Tuckahoe, assignor to R. Hoe & Co., Inc., New York, N. Y. Water-cooled ink reservoir for printing presses. 1,770,133; July 8.
- Halliwell-Shelton Electric Corporation. (See Hendry, William F., assignor.)
- Hallner, William, et al. (See Rubens, Ben, assignor.)
- Halloran, Ralph A., and A. L. Strout, Berkeley, Calif., assignor by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oils. 1,765,976; June 24.
- Halloran, Ralph A., Berkeley, W. N. Davis, Oakland, and G. A. Davidson, assignors, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Treating acid sludge and fuel product obtained therefrom. 1,745,692; Feb. 4.
- Halloran, Ralph A., Berkeley, W. N. Davis, Oakland, and G. A. Davidson, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Continuously hydrolyzing acid sludge. 1,752,555; Apr. 1.
- Hallowell, Howard T., assignor to Standard Pressed Steel Company, Jenkintown, Pa. Hand truck. 1,745,258; Jan. 28.

- Hallowell, Howard T., assignor to Standard Pressed Steel Company, Jenkintown, Pa. Hand truck. 1,768,053; June 24.
- Hallowell, Howard T., assignor to Standard Pressed Steel Company, Jenkintown, Pa. Workbench. 1,784,726; Dec. 9.
- Hallstream, Henning. (See Cross, F. L., and Hallstream.)
- Hallstream, Henning, Braintree, assignor to Cross Paper Feeder Company, Boston, Mass. Paper-feeding machine. 1,763,652; June 17.
- Hallstream, Henning, Braintree, assignor to Cross Paper Feeder Company, Boston, Mass. Paper-feeding machine. 1,773,266; Aug. 19.
- Hallwood, Nathan A., Columbus, Ohio. Scale. 1,745,671; Feb. 4.
- Hallwood, Nathan A., Columbus, Ohio. Scale. 1,754,359; Apr. 15.
- Hallwood, Nathan A., Columbus, Ohio. Weighing scale. 1,758,036; May 13.
- Hallwood, Nathan A., Columbus, Ohio. Computing scale. 1,758,037; May 13.
- Hallwood, Nathan A., Columbus, Ohio. Scale. 1,769,780; July 1.
- Halpenny, Richard. (See de Forest, L., and Halpenny.)
- Halperin, Morris I., Brooklyn, N. Y. Collar. 1,757,861; May 6.
- Halpern, Carl, Atlantic City, N. J. Photographic cut-out. 1,764,018; June 17.
- Halpern, Max, Bronx, and W. Mayer, Brooklyn, N. Y. Necktie structure. 1,759,007; May 20.
- Halpern, Max, Bronx, and W. Mayer, Brooklyn, N. Y. Necktie. 1,784,351; Dec. 9.
- Halpern, Max, Bronx, and W. Mayer, Brooklyn, N. Y. Necktie structure. 1,784,352; Dec. 9.
- Halpin, Abraham, New York, N. Y. Tennis-racket press or similar article. Des. 81,387; June 17.
- Halsam Products Company. (See Elliott, Harold H., assignor.)
- Halsey, Arthur S. (See Ford, A. T., Halsey, and McMurray.)
- Halsey, Edward S., Washington, D. C. Temperature-regulating attachment for linotype machines and similar purposes. 1,744,631; Jan. 21.
- Halsey, Edward S., Washington, D. C. Heating system. 1,744,632; Jan. 21.
- Halsey, Edward S., Washington, D. C. Temperature indicator. 1,779,066; Oct. 21.
- Halsey, Edward S., Washington, D. C. Absorber refrigerating apparatus. 1,779,211; Oct. 21.
- Halsey, Fred H., Texarkana, Ark. Building construction. 1,780,707; Nov. 4.
- Halstead, Elliott N., Princeton, W. Va. Spit. 1,755,646; Apr. 22.
- Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar-bunch manipulator. 1,765,831; June 24.
- Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Bunch transfer for cigar machines. 1,786,608; Dec. 30.
- Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Bunch transfer for cigar machines. 1,786,609; Dec. 30.
- Halstead, John P., and H. M. A. Strauss, assignors to Robeson-Rochester Corporation, Rochester, N. Y. Perculator. 1,743,342; Jan. 14.
- Halstrup, Franz, assignor to Schwarzwälder Lampenuhrenfabrik G. m. b. H. Glöbura, Freiburg, Im Breisgau, Germany. Clock. 1,774,139; Aug. 26.
- Halteman, Clemence W., Butztown, Pa. Package tying and conveying trucks. 1,777,694; Oct. 7.
- Haltenberger, Jules, Incorporated. (See Haltenberger, Jules, assignor.)
- Haltenberger, Jules, assignor to Jules Haltenberger, Incorporated, Indianapolis, Ind. Sleeve-valve engine. 1,756,684; Apr. 29.
- Halvorsen, Arthur L. (See Travis, P. M., and Halvorsen.)
- Halvorsen, Arthur L., New York, N. Y., and P. M. Travis, Ridgewood, assignors to The Emulsion Process Corporation, Jersey City, N. J. Asphalt emulsion. 1,757,083; May 6.
- Halvorsen, Halbert B., Michigan City, Ind., assignor to Sullivan Machinery Company. Compressor-unloading means. 1,769,667; July 1.
- Halvorsen, Halbert B., Michigan City, Ind., assignor to Sullivan Machinery Company. Air-lift pump. 1,771,377; July 22.
- Halvorsen, Olaf, and S. F. Kiesling, Chicago, Ill. Vise attachment for printing and stenciling devices. 1,752,255; Mar. 25.
- Halvorsen, Olaf, and S. F. Kiesling, Chicago, Ill. Clamping means for stenciling devices. 1,773,673; Aug. 19.
- Halvorsen, Severin, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash. Pneumatic feed mechanism. Des. 17,861; Nov. 11.
- Halvorsen, Severin, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash. Delivery mechanism for newspaper stuffing or similar machines. 1,755,149; Apr. 15.
- Halvorsen, Severin, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash. Delivery mechanism for newspaper stuffing machines. 1,755,150; Apr. 15.
- Halvorsen, Severin, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash. Machine control device. 1,777,847; Oct. 7.
- Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Lamp globe. Des. 80,310; Jan. 14.
- Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Floor lamp or similar article. Des. 81,004; Apr. 22.
- Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Lamp. 1,783,468; Dec. 2.
- Halvorson, Frank A., Glen Richey, Pa. Blasting device. 1,772,994; Aug. 12.
- Halvorson, Gaylord H., Duluth, Minn. Determining volatile matter in combustible material. 1,743,035; Jan. 7.
- Halyburton, Roy C., assignor to C. R. Lion, Los Angeles, Calif. Sewer-flushing device. 1,744,266; Jan. 21.
- Ham, R. C., & Company. (See Ham, Robert C., assignor.)
- Ham, Robert C., West Haven, assignor to R. C. Ham & Company, Inc., New Haven, Conn. Flower holder. Des. 91,094; May 6.
- Hamachek, Frank, assignor to Frank Hamachek Machine Company, Kewaunee, Wis. Screen drum for green-peavine hullers. 1,762,225; June 10.
- Hamachek, Frank, Machine Company. (See Hamachek, Frank, assignor.)
- Hamaker, Sidney U., assignor to The Joseph Dick Manufacturing Company, Canton, Ohio. Fodder cutter. 1,750,266; Mar. 11.
- Haman, Charles L. (See Butler, G. F., assignor.)
- Haman, Charles L. (See Butler, G. F., and Haman.)
- Hamann, Fred, et al. (See Jackson, Merlin M., assignor.)
- Hamann, William. (See Brice, A. W., and Hamann.)
- Hamann, William, Irondequoit, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing machine. 1,757,188; May 6.
- Hamberger, Adolph T., Scotland, S. Dak. Automatic speed-governing device for internal-combustion engines. 1,771,437; July 29.
- Hamberger, Frank X., Buffalo, N. Y. Furnace burner. 1,785,900; Dec. 23.
- Hamblen, Alva O., Flint, Mich. Fishing tool. 1,748,980; Mar. 4.
- Hambleton, Edwin, Kenmore, assignor to The Transmission Ball Bearing Company Inc., Buffalo, N. Y. Rolling bearing. 1,749,281; Mar. 4.
- Hambly, Richard H., Colchester, Ill. Wire-tying tool. 1,779,733; Oct. 28.
- Hambrecht, George D., Canajoharie, N. Y. Stringed musical instrument. 1,773,674; Aug. 19.
- Hamburger, Jacob, et al. (See Becker, Harry, assignor.)
- Hamburger, Robert, and S. Kaesz, Freudenthal, Czechoslovakia, assignors, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Method of treating molasses. 1,770,402; July 15.
- Hamburger, Rudolf, Brooklyn, N. Y. Aircraft. 1,771,083; July 22.
- Hamel, Eugene, Brockton, Mass. Baby carriage. 1,758,110; May 13.
- Hamel, Hermann, Dresden-Blasewitz, Germany. Spindle drive for spinning machines and twisting frames. 1,747,668; Feb. 18.
- Hamel, Joseph P., Ayer, assignor to A. Mailloux, Lowell, Mass. Separable window screen. 1,744,267; Jan. 21.
- Hamer, Leland S., and J. Q. Little, Long Beach, Calif. Well tool. 1,780,482; Nov. 4.
- Hamer, Louis, Montreal, Quebec, Canada. Steering-wheel switch. 1,745,615; Feb. 4.
- Hamerstadt, William D., assignor to Rockwood Manufacturing Company, Indianapolis, Ind. Pulley construction. 1,750,752; Mar. 18.
- Hamerstadt, William D., assignor to Rockwood Manufacturing Company, Indianapolis, Ind. Dust guard. 1,779,624; Oct. 28.
- Hamill, Hugh H. (See Wilcox, Walton A., assignor.)
- Hamill, James, East Orange, N. J. Apparatus for separating moisture from vapor. 1,784,627; Dec. 9.
- Hamill, James, East Orange, N. J., and J. F. Taddiken, Forest Hills, N. Y. Bone-char-drying apparatus. 1,784,626; Dec. 9.
- Hamill, Robert E. (See Sherts, J. H., and Hamill.)
- Hamill, Virginia, New York, N. Y., assignor to The Palmer Brothers Co., New London, Conn. Quilt or the like. Des. 80,526; Feb. 18.
- Hamill, Virginia, New York, N. Y., assignor to The Palmer Brothers Co., New London, Conn. Textile fabric. Des. 80,527; Feb. 18.
- Hamill, Virginia, New York, N. Y., assignor to The Palmer Brothers Co., New London, Conn. Quilt or the like. Des. 80,528; Feb. 18.
- Hamill, Virginia, New York, N. Y., assignor to The Palmer Brothers Co., New London, Conn. Textile fabric. Des. 80,529; Feb. 18.
- Hamill, Virginia, New York, N. Y., assignor to W. S. Libbey Company. Textile fabric. Des. 81,789; Aug. 12.
- Hamill, Virginia, New York, N. Y., assignor to W. S. Libbey Company. Textile fabric. Des. 81,790; Aug. 12.
- Hamill, Virginia, New York, N. Y., assignor to W. S. Libbey Company. Textile fabric. Des. 81,928; Sept. 2.
- Hamill, Virginia, New York, N. Y., assignor to W. S. Libbey Company. Textile fabric. Des. 81,929; Sept. 2.
- Hamill, Virginia, New York, N. Y., assignor to W. S. Libbey Company. Textile fabric. Des. 82,744; Dec. 9.
- Hamilton, Adolph. (See Hamilton, H. E., Krueger, and Hamilton.)

- Hamilton, Baxter P. (See Affel, H. A., and Hamilton.)
 Hamilton Beach Manufacturing Company. (See Anderson, Harry A., assignor.)
 Hamilton Beach Mfg. Co. (See Mross, Edward, assignor.)
 Hamilton Beach Mfg. Co. (See Nielsen, Emanuel, assignor.)
 Hamilton Beach Mfg. Co. (See Robinson, Patrick H., assignor.)
 Hamilton, Brown Shoe Company. (See Spathelf, David E., assignor.)
 Hamilton, Charles E., assignor to Automotive Gear Works, Inc., Richmond, Ind. Gear-tooth-chamfering machine. 1,749,580; Mar. 4.
 Hamilton, Clarence F., Detroit, Mich. Tinning and cleaning soldering irons. 1,772,283; Aug. 5.
 Hamilton, Erwin H., Hastings-on-Hudson, assignor of one-third to E. T. Wagner and one-third to W. M. Malisoff, New York, N. Y. Atomizing device for internal-combustion engines. 1,771,626; July 29.
 Hamilton, Francis F. (See Van Voorhees, Harold E., assignor.)
 Hamilton, Francis F., assignor to Hamilton Muffler Company, Indianapolis, Ind. Gas-engine muffler. 1,777,489; Oct. 7.
 Hamilton, Francis F., and H. E. Van Voorhees, Indianapolis, Ind. Exhaust muffler. 1,777,522; Oct. 7.
 Hamilton, Frank S., Boston, Mass. Pyrotechnic article. 1,749,814; Mar. 11.
 Hamilton, Fred, Beaumont, Tex. Window construction. 1,754,316; Apr. 15.
 Hamilton, George F., R. R. Holzappel, F. J. Girty, and C. Lawton, Richmond, Ind. Ground stake. 1,756,641; Apr. 29.
 Hamilton, George H., assignor to American Seating Company, Grand Rapids, Mich. Chair seat end construction. 1,752,078; Mar. 25.
 Hamilton, George W., Evanston, Ill. Wood-pole-protective means. 1,761,076; June 3.
 Hamilton-Grapes, George, Melbourne, Victoria, Australia. Carburation of hydrocarbon liquid fuel for internal-combustion engines. 1,744,627; Jan. 21.
 Hamilton-Grapes, George, Murrumbena, Australia. Carburation of hydrocarbon fuel for internal-combustion engines. 1,783,612; Dec. 2.
 Hamilton, Harold S., Phoenix, Ariz., assignor to American Telephone and Telegraph Company. Transoceanic radio telephone system. 1,760,984; June 3.
 Hamilton, Harry W. (See Bamford, W. R., and Hamilton.)
 Hamilton, Henry E. (See Krueger, Frederick C., assignor.)
 Hamilton, Henry E., F. C. Krueger, and A. Hamilton, New London, Wis., assignors, by mesne assignments, to said Henry E. Hamilton. Method of and apparatus for removing the outer covering of vegetables and the like. 1,747,002; Feb. 11.
 Hamilton, Henry E., F. C. Krueger, and A. Hamilton, New London, Wis., assignors, by mesne assignments, to said Henry E. Hamilton. Coring machine. 1,762,438; June 10.
 Hamilton, John C. (See Smith, James M., assignor.)
 Hamilton, John C., Mountain Lakes, N. J., B. H. Thurman, Tuckahe, N. Y., and L. G. Copes, Bayonne, N. J., assignors, by mesne assignments, to Best Foods, Inc., New York, N. Y. Treating cod-liver oil. 1,745,851; Feb. 4.
 Hamilton, John H., Holyoke, Mass. Guiding apparatus for webs. 1,769,687; July 1.
 Hamilton, John H., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Tentering machine. 1,754,099; Apr. 8.
 Hamilton, John H., Holyoke, Mass., and J. H. Williams, Providence, R. I.; said Hamilton assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Tenter machine. 1,758,697; May 13.
 Hamilton, John R., Yonkers, N. Y., assignor to Ohio Automatic Sprinkler Company, Youngstown, Ohio. Dry-pipe sprinkler mechanism. 1,759,158; May 20.
 Hamilton, John R., Cleveland Heights, assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Automatic exhaustor. 1,763,777; June 17.
 Hamilton, Joseph B., South Pasadena, Calif. Signal. 1,783,504; Dec. 2.
 Hamilton Muffler Company. (See Hamilton, Francis F., assignor.)
 Hamilton, Reginald H., Christchurch, New Zealand. Self-adjusting tappet. 1,786,237; Dec. 23.
 Hamilton Standard Propeller Corporation, The. (See Caldwell, Frank W., assignor.)
 Hamilton Standard Propeller Corporation, The. (See Dicks, Thomas A., assignor.)
 Hamilton Standard Propeller Corporation, The. (See McCauley, Ernest G., assignor.)
 Hamilton, Wade C., Vicksburg, Miss. Combination brace and bit drill. 1,783,786; Dec. 2.
 Hamilton, William B., Pittsburgh, Pa. Window ventilator. 1,785,682; Dec. 16.
 Hamilton, William E., Columbus, Ohio. Deep-sea anchor. 1,758,911; May 13.
 Hamilton, William F., assignor to Ventura Manufacturing and Implement Company, Ventura, Calif. Disk cultivator. 1,764,402; June 17.
 Hamilton, William F., assignor of one-half to F. S. Rollins, New York, N. Y. Ignition system. 1,785,411; Dec. 16.
 Hamilton, William R., Dewey, Okla. Vertebrae adjuster. 1,746,080; Feb. 4.
 Hamilton, Winfield C., East Chicago, Ind., assignor to American Steel Foundries, Chicago, Ill. High-silicon and high-manganese steel. 1,746,586; Feb. 11.
 Hamilton, Winfield C., and C. E. Sims, assignors to American Steel Foundries, Chicago, Ill. Steel. 1,742,857; Jan. 7.
 Hamister, Victor C., Cleveland, Ohio, assignor to National Carbon Company, Inc. Electrical connection. 1,743,888; Jan. 14.
 Hamlin, Cyril, Newark, N. J. Signal reminding mechanism. 1,757,631; May 6.
 Hamlin, Wilfred R., Boston, assignor of one-half to R. G. Reilly, Cambridge, Mass. Stenciling machine. 1,742,249; Jan. 7.
 Hamlyn, William P. (See Trencham, H., Heath, Hamlyn, and Cox.)
 Hamlyn, William P., Acton, London, and Marcus C. I. Hunter, Kew Gardens, England, assignors to General Electric Company. Electric-switch-operating mechanism. 1,761,724; June 3.
 Hamm, William S., Elkhart, Ind., assignor to Adlake Company, Chicago, Ill. Sash guide. 1,754,513; Apr. 15.
 Hamm, William S., Elkhart, Ind., and R. L. Greist, assignors to The Adlake Company, Chicago, Ill. Sash guide. 1,761,297; June 3.
 Hamman, Carl F., New York, N. Y., assignor to Chapman Self-Locking Nut Co., Baltimore, Md., trustees of a common-law trust estate. Method of and apparatus for making nuts. 1,764,300; June 17.
 Hammar, Victor, Bofors, Sweden. Field gun with tube recoil. 1,754,943; Apr. 15.
 Hammarlund, Lloyd A., Rockville Center, N. Y., assignor to The Hammarlund Manufacturing Company, Inc. Variable coupling device. 1,753,182; Apr. 1.
 Hammarlund Manufacturing Company, The. (See Hammarlund, Lloyd A., assignor.)
 Hammarström, Nils L., Stockholm, and E. A. Hoving, Kungälv, assignors to Aktiebolaget Maskinfabriken Gota, Stockholm, Sweden. Mechanical movement. 1,784,185; Dec. 9.
 Hammel, Ernst, assignor to M. Rauch, Berlin, Germany. Manufacturing a phosphate for fertilizing. 1,786,651; Dec. 30.
 Hammer, Alva A., Muskogee, Okla. Fluid conductor. 1,777,918; Oct. 7.
 Hammer-Bray Company. (See Gercich, Frederick A., assignor.)
 Hammer-Bray Company. (See Gercich, F. A., and Smith, assignors.)
 Hammer-Bray Company. (See Leonard, Joseph E., assignor.)
 Hammer-Bray Company. (See Weisman, J. C., and Huette-man, assignors.)
 Hammer, Edna H. (See Hammer, Newton T. and E. H.)
 Hammer, Forrester L., Branford, Conn. Oil burner. 1,744,962; Jan. 28.
 Hammer, Forrester L., Branford, Conn. Burner nozzle. 1,745,329; Jan. 28.
 Hammer, Forrester L., Branford, Conn. Control for out-board motors and the like. 1,767,584; June 24.
 Hammer, Forrester L., Branford, Conn. Oil burner. 1,767,669; June 24.
 Hammer, Forrester L., Branford, W. R. Smith, West Haven, and S. Esborn, assignors to Malleable Iron Fittings Company, Branford, Conn. Remote control device for carburetors. 1,780,522; Nov. 4.
 Hammer, Newton T. and E. H., Washington, D. C. Sanitary cabinet. 1,760,494; May 27.
 Hammer, Samuel, Brooklyn, N. Y. Meter-entrance switch box. 1,781,686; Nov. 18.
 Hammer, Samuel, Brooklyn, N. Y., assignor, by mesne assignments, to Roach-Appleton Manufacturing Company, Chicago, Ill. Knock-out for electric junction boxes, switch boxes, etc. Rel. 1,765; Aug. 12.
 Hammer, Samuel, assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Cabinet mounting. 1,743,273; Jan. 14.
 Hammer, Samuel, assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Metal receptacle. 1,747,003; Feb. 11.
 Hammer, Samuel, Brooklyn, assignor to United Metal Box Co., Inc., Long Island City, N. Y. Metal receptacle. 1,757,945; May 6.
 Hammer, Willibald, assignor to Zellweger A. G., Uster, Switzerland. Knotting device, particularly for uniting together the threads of warps. 1,779,312; Oct. 21.
 Hammer, Willibald, assignor to the firm: Uster Factories for Apparatus and Machines, formerly Zellweger, Ltd., Uster, Switzerland. Separating device for intercrossing threads. 1,786,238; Dec. 23.
 Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed safety switch. 1,758,441; May 13.
 Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Double-throw knife switch. 1,774,479; Aug. 26.
 Hammerly, Herman J., Wallingford, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed switch. 1,776,503; Sept. 23.
 Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Double-throw switch. 1,785,192; Dec. 16.
 Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Multiple-break switch. 1,785,194; Dec. 16.

- Hammermill Paper Company. (See Hibbert, H., and Parsons, assignors.)
- Hammerstein, Arthur, New York, N. Y. Self-acting closure for receptacles. 1,760,946; June 3.
- Hammerstein, Simeon, Rotterdam, Netherlands. Propelling mechanism for ships. 1,749,815; Mar. 11.
- Hammers, William J., assignor to Liverance & Van Antwerp, Grand Rapids, Mich. Welding-rod coating. 1,752,793; Apr. 1.
- Hammock, Henry, and G. Riddle, Boise, Idaho. Fruit-picker's bag. 1,754,100; Apr. 8.
- Hammond Bag & Paper Co. et al. (See Crawford, Harry H., assignor.)
- Hammond, Cecil F., Westminster, London, assignor of one-fifth to W. Shackleton, London, England. Heat-treatment process and apparatus in which a hot liquid mass is employed. 1,765,148; June 17.
- Hammond, Clayton R., Salem, Oreg. Connecting rod. 1,767,882; June 24.
- Hammond, C. S., & Company. (See King, Peter J., assignor.)
- Hammond, C. S., and Company. (See Massey, Edward, assignor.)
- Hammond, Cecil F., assignor of one-fifth to W. Shackleton, London, England. Apparatus for lifting or circulating liquids. 1,769,833; July 1.
- Hammond Clock Company, The. (See Michl, Robert, assignor.)
- Hammond, Faye B., Schuyler, Nebr. Window shade and curtain holder. 1,746,114; Feb. 4.
- Hammond, Harold L., Oakland, Calif. Automobile body. 1,746,349; Feb. 11.
- Hammond, John H., jr. (See Chaffee, Emory L., assignor.)
- Hammond, John H., jr. (See Dorsey, H. G., and Trenor, assignors.)
- Hammond, John H., jr., Gloucester, Mass. Lateral stabilization for torpedoes. 1,772,348; Aug. 5.
- Hammond, John H., jr., Gloucester, Mass. Safety device. 1,775,523; Sept. 9.
- Hammond, John H., jr., Gloucester, Mass. System and method of communication. 1,785,307; Dec. 16.
- Hammond, John H., jr., Gloucester, Mass. Wireless train control. 1,786,610; Dec. 30.
- Hammond, Laurens, assignor to The Andrews-Hammond Corporation, Chicago, Ill. Electrolytic condenser structure. 1,744,268; Jan. 21.
- Hammond, Laurens, assignor to Andrews-Hammond Corporation, Chicago, Ill. Battery eliminator. 1,758,947; May 20.
- Hammond Manufacturing Company, The. (See Buss, William D., assignor.)
- Hammond, Oll, Jackson, Calif. Reciprocating engine. 1,745,793; Feb. 4.
- Hammond, R. E., et al. (See Pollock, Oscar, assignor.)
- Hammond, Theodore E. (See Tacchella, Adolph A., assignor.)
- Hammond, T. H., et al. (See Crawford, Harry H., assignor.)
- Hammond, William C., and H. J. Kingsbury, assignors to Hill-Curtis Company, Kalamazoo, Mich. Motor-driven machine. 1,743,134; Jan. 14.
- Hammond, William J., Plumas, Manitoba, Canada. Gate or door opening appliance. 1,753,512; Apr. 8.
- Hammond, William P. (See Vernet, Sergius, assignor.)
- Hammons, Edward, assignor of one-half to F. B. Thompson, Ravenna, and fifteen one-hundredths to D. Dunaway, Hazard, and fifteen one-hundredths to C. C. Stanfill, Ravenna, Ky. Insuring the safe landing of airplanes. 1,744,889; Jan. 28.
- Hammons, William M. (See Smith, W. B., Hammons, and Mullens.)
- Hamner, Millard J., Cleveland, Ohio, assignor to General Electric Company. Electric lamp. 1,771,957; July 29.
- Hampden Glazed Paper & Card Co. (See Wires, Hazel K., assignor.)
- Hampden Manufacturing Co. (See Underhill, J. A., and Hemenway, assignors.)
- Hampden, Wellesley R., Readville, Oreg., assignor of one-half to W. F. Woolard, Wauwatosa, Wis. Washing machine. 1,761,338; June 3.
- Hampton, Charles W., Sheffield, England. Vise. 1,746,153; Feb. 4.
- Hampton Company. (See McConnell, Thomas.)
- Hampton, William H., Portland, Oreg. Treating shale or the like. 1,778,515; Oct. 14.
- Hamrol, Felix, assignor, by mesne assignments, to Motor City Sales Company, Detroit, Mich. Automatic loading device. 1,781,873; Nov. 18.
- Hamwi, Ernest, St. Louis, Mo. Pastry cup. Des. 81,005; Apr. 22.
- Hamwi, Ernest, St. Louis, Mo. Edible pastry cup. Des. 81,276; June 3.
- Hamwi, Ernest, St. Louis, Mo. Edible pastry cup. Des. 81,277; June 3.
- Hamwi, Ernest, St. Louis, Mo. Edible pastry cup. Des. 81,278; June 3.
- Hamwi, Ernest, St. Louis, Mo. Cone-trimming machine. 1,775,026; Sept. 2.
- Hamwi, Ernest, St. Louis, Mo. Pastry mold. 1,776,431; Sept. 23.
- Hamwi, Ernest, St. Louis, Mo. Pastry mold. 1,777,723; Oct. 7.
- Hamza, Morris F., Union City, N. J. Machine for covering tassel molds. 1,780,129; Oct. 28.
- Hanak, Albert, Philadelphia, Pa. Separation and purification of metals and metallic alloys. 1,786,908; Dec. 30.
- Hanan, George, Brooklyn, N. Y. Beach rest and sunshade. 1,785,953; Dec. 23.
- Hanau Engineering Company. (See Hanau, Rudolph L., assignor.)
- Hanau, Rudolph L., assignor to Hanau Engineering Company, Inc., Buffalo, N. Y. Dental blowtorch. 1,755,216; Apr. 22.
- Hance, Lawrence W., Philadelphia, Pa. Twin valve for locomotives. 1,750,592; Mar. 11.
- Hance, Lawrence W., Philadelphia, Pa. Locomotive cylinder structure. 1,770,776; July 15.
- Hance, Lawrence W., Philadelphia, Pa. High-pressure articulated locomotive. 1,776,727; Sept. 23.
- Hanchett, Lafayette. (See Held, Joseph, assignor.)
- Hanchett Manufacturing Co. (See Benedict, Frederic K., assignor.)
- Hancock, Arden, Houston, Tex. Vehicle bumper. 1,755,393; Apr. 22.
- Hancock, Eugene M. (See Petty, W. J., and Hancock.)
- Hancock, Gustavus A., Oak Lane, Pa. Hearth broom. Des. 82,823; Dec. 16.
- Hancock, Harry H., deceased, Beach Bluff, Mass; H. A. Sawyer, administrator. Vise. 1,751,329; Mar. 18.
- Hancock, Horace G., assignor to The O. B. North & Co., New Haven, Conn. Snap hook. 1,758,038; May 13.
- Hancock Mfg. Co. (See Marple, Rollo, assignor.)
- Hancock, Milton L., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjuster. 1,786,299; Dec. 23.
- Hancock, William L., assignor to The Murray Company, Dallas, Tex. Bucket elevator. 1,746,649; Feb. 11.
- Hancock, William L., assignor to The Murray Company, Dallas, Tex. Pin and mounting therefor. 1,762,473; June 10.
- Hand, Augustin J., assignor to California Corrugated Culvert Company, Berkeley, Calif. Continuous-electric-arc welding. 1,742,469; Jan. 7.
- Hand, Augustin J., assignor to California Corrugated Culvert Company, Berkeley, Calif. Making spiral welded pipe. 1,774,000; Aug. 26.
- Hand, Leslie T. (See Korndorfer, C. J., and Hand.)
- Handelan, Daniel, Minneapolis, Minn. Humidifying device. Re17,794; Sept. 9.
- Handelan, Daniel, Minneapolis, Minn. Humidifying device. 1,742,390; Jan. 7.
- Handforth, Stanley L., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical apparatus. 1,779,232; Oct. 21.
- Handi-Appliance Corporation. (See Abels, Aloysius J., assignor.)
- Handlan, Alexander H., St. Louis, Mo. Signal lantern and adjusting same. 1,744,963; Jan. 28.
- Handlan, Alexander H., St. Louis, Mo. Aligning device for signal lanterns. 1,778,717; Oct. 21.
- Händle, Karl, Muehlacker, Germany. String-molding press. 1,782,301; Nov. 18.
- Handley-Brown Heater Co. (See Handley, William J., assignor.)
- Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,781,579; Nov. 11.
- Handley, George F., Glendale, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,781,725; Nov. 18.
- Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriter machine. 1,785,445; Dec. 16.
- Handley Page Limited. (See Page, Frederick H., assignor.)
- Handley, William J., assignor to Handley-Brown Heater Co., Jackson, Mich. Immersion electrical water heater and operating the same. 1,779,128; Oct. 21.
- Handschin, Eugen, Baden, Switzerland, assignor to General Electric Company. System of induction-motor control. 1,752,904; Apr. 1.
- Handy, Arthur E., Lynbrook, assignor to Otis Elevator Company, New York, N. Y. Bell hoist. 1,768,054; June 24.
- Handy Governor Corporation. (See Bull, Arthur A., assignor.)
- Handy, Levin G., Mountain View, N. J. Toy trackage. 1,753,147; Apr. 1.
- Handy-Haul Auto Trunk Company. (See Nelson, O. S., and Willy, assignors.)
- Handy, Robert G., Detroit, Mich. Vehicle side light. 1,770,738; July 15.
- Hannegan, Thomas P., St. Paul, Minn. Crank-case heater. 1,752,594; Apr. 1.
- Hanel, Charles L., Jackson Heights, assignor to Signal Engineering & Manufacturing Company, Inc., New York, N. Y. Electromagnetic relay. 1,748,219; Feb. 25.
- Haner, Carl, Moylan, assignor to Publiker, Inc., Philadelphia, Pa. Treating ethyl alcohol. 1,783,086; Nov. 25.
- Haney, John W., Spokane, Wash. Billboard. 1,748,220; Feb. 25.
- Haney, William J., North Vernon, Ind. Tapper and protector for toe-dancing shoes. Re17,753; July 29.
- Haney, William J., North Vernon, Ind. Tap for dancing slippers or shoes. 1,780,230; Nov. 4.
- Hanf, Edward M. (See Fleckenstein, G. A., Hanf, and Waterman.)

- Haniman, Charles J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Method of and apparatus for controlling the temperature of heating surfaces. 1,769,949; July 8.
- Hanke, Reynold E., Chicago, Ill. Clamp. 1,774,267; Aug. 26.
- Hankins, Cyrus, Baltimore, Md., assignor to The Symington Company, New York, N. Y. Side frame. 1,745,672; Feb. 4.
- Hankins, Cyrus, Baltimore, Md., assignor to The Symington Company, New York, N. Y. Truck side frame. 1,745,673; Feb. 4.
- Hankins, Cyrus, assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Railway-car-truck spring. 1,751,917; Mar. 25.
- Hankins, Cyrus, assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Railway-car-truck spring. 1,764,163; June 17.
- Hankins, Cyrus, assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Railway-car-truck spring. 1,764,164; June 17.
- Hankins, Cyrus, assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Railway-car-truck spring. 1,764,165; June 17.
- Hankins, Cyrus, assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Railway-car-truck spring. 1,764,720; June 17.
- Hankins, Cyrus, Washington, D. C., assignor, by mesne assignments, to The Symington Company, New York, N. Y. Draft rigging. 1,772,830; Aug. 12.
- Hankins, Oscar R., Aurora, Ill., and J. R. M. Knudsen, Muskegon, Mich.; said Hankins assignor to said Knudsen. Window sash and casing. 1,773,730; Aug. 26.
- Hankinson, William, Aiken, S. C. Garden bench. 1,769,507; July 1.
- Hanks, Marshall W., Madison, Wis. Liquid-conductor heater. 1,767,126; June 24.
- Hanks, Norman K. (See Davitt, J. L., and Hanks.)
- Hanks, Archie L. (See Forrester, C. C., and Hanks.)
- Hanley, Clarence. (See Tierney, Walter, assignor.)
- Hanley Company. (See Hendryx, Dwight B., assignor.)
- Hanley, John A., Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation. Self-locking grid plate. 1,746,587; Feb. 11.
- Hanley, Michael. (See Miller, J. T., and Hanley.)
- Hanley, William, East Orange, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Article-holding bracket for use in connection with card tables. 1,747,710; Feb. 18.
- Hanley, William, East Orange, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Attachment for folding card tables. 1,747,711; Feb. 18.
- Hanley, William, East Orange, N. J., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Screen. 1,782,203; Nov. 18.
- Hanlon, John H. and J. W., Somerville, assignors to Hanlon Locomotive Sander Company, Winchester, Mass. Track sander. 1,755,598; Apr. 22.
- Hanlon, John W. (See Hanlon, John H. and J. W.)
- Hanlon Locomotive Sander Company. (See Hanlon, John H. and J. W., assignors.)
- Hanlon, William L., Sterling, Kans. Combined harvesting and thrashing machine. 1,765,582; June 24.
- Hann, Frank L. (See Yates, H. C., and Hann.)
- Hanna, Atto N., and W. F. Lemon, Trenton; said Hanna assignor to W. D. Lemon, Newark, N. J. Holder for bags. 1,772,079; Aug. 5.
- Hanna, Clinton R., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound-producing device. 1,768,903; July 1.
- Hanna, Clinton R., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrodynamical signal device. 1,783,569; Dec. 2.
- Hanna, David B., Chicago, Ill. Lighting fixture. 1,777,724; Oct. 7.
- Hanna Engineering Works. (See Hanna, John C., assignor.)
- Hanna Engineering Works. (See Hanna, J. C., and Norin, assignors.)
- Hanna, Henry C., Athens, Ga. Treating baseball bats, golf clubs, etc. 1,770,403; July 15.
- Hanna, John C., Chicago, Ill. Riveter. 1,765,011; June 17.
- Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Mechano-pneumatic cushion for power presses. 1,765,762; June 24.
- Hanna, John C., and A. Norin, assignors to Hanna Engineering Works, Chicago, Ill. Turret riveter. 1,765,012; June 17.
- Hanna, Paul R., New York, N. Y. Educational device. 1,745,674; Feb. 4.
- Hannach, Oscar, assignor to W. Kash, Wilmersdorf, near Berlin, Germany. Refrigerating composition. 1,786,842; Dec. 30.
- Hannaford, Cleon M., assignor to Car Devices Company, Incorporated, Richmond, Va. Lock for connecting pins or bolts. 1,755,874; Apr. 22.
- Hannah, Mark O., Granby, Mo. Expanding wing for aeroplanes. 1,773,530 Aug. 19.
- Hannam, Frederick J., Stratford, assignor of one-half to J. H. Hill, Toronto, Ontario, Canada. Halter. 1,743,889; Jan. 14.
- Hannan, William G. (See La Bille, Joseph A., assignor.)
- Hannauer Car Retainer Company. (See Hannauer, G., and Wilcox, assignors.)
- Hannauer, George, Calumet City, Ill., and E. M. Wilcox, Hammond, Ind., assignors to Hannauer Car Retarder Company, Chicago, Ill. Track brake arrangement and control means therefor. 1,751,995; Mar. 25.
- Hannauer, George, Calumet City, Ill., and E. M. Wilcox, Hammond, Ind., assignors to Hannauer Car Retarder Company, Chicago, Ill. Track-brake mechanism. 1,782,874; Nov. 25.
- Hannegan, Thomas P., St. Paul, Minn. Crank-case oil heater. 1,781,840; Nov. 18.
- Hanneman, Walter M. (See Berger, J., and Hanneman.)
- Hanneman, Walter M. (See Christensen, N. V., and Hanneman.)
- Hanneman, Walter M., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Covering-thread-laying mechanism for sewing machines. 1,765,150; June 17.
- Hanneman, Walter M., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Presser foot for sewing machines. 1,765,332; June 17.
- Hanneman, Walter M., assignor to Union Special Machine Company, Chicago, Ill. Thread-controlling mechanism for sewing machines. 1,766,123; June 24.
- Hannen, Paul T., Cabin John, and H. D. Bruce, Chevy Chase, Md., assignors to the Secretary of Commerce of the United States as trustee for the Government and People of the United States. Composition of matter. 1,744,116; Jan. 21.
- Hanner, C. A. (See Kalo, Albert A., assignor.)
- Hanney, Angus F., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Laundry-marking tag. 1,763,778; June 17.
- Hänni, Frederick O., Jegenstorf, Switzerland. Gauge for measuring the difference between two pressures. 1,752,256; Mar. 25.
- Hannigan, Gerald M. (See Eddins, S. A., and Hannigan.)
- Hannon, Albert H., Chicago, Ill. Electroplating-tank apparatus. 1,773,179; Aug. 19.
- Hannum, Freda L., Seattle, Washington. Curtain drier and stretcher. 1,781,177; Nov. 11.
- Hannum, William A., Grand Lake, Colo. Fireplace grate. 1,771,174; July 22.
- Hanny, Charles E., Unionville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Fuse and switch box construction. 1,744,706; Jan. 21.
- Hanny, Charles E., Unionville, assignor to the Trumbull Electric Manufacturing Company, Plainville, Conn. Automatic electric switch. 1,772,442; Aug. 5.
- Hanny, Charles E., Unionville, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Switch-box latch and seal. 1,783,711; Dec. 2.
- Hano, Edward, Holyoke, Mass., assignor to Philip Hano Company, Inc., New York, N. Y. Tensioning device. 1,765,149; June 17.
- Hano, Philip Company. (See Hano, Edward, assignor.)
- Hanover, Harry, Philadelphia, Pa. Permanent-hair-waving apparatus. 1,756,740; Apr. 29.
- Hanovia Chemical and Manufacturing Company. (See Anderson, William T., jr., assignor.)
- Hanovia Chemical and Manufacturing Company. (See Anderson, W. T., jr., and Bird, assignors.)
- Hanovia Chemical and Manufacturing Company. (See Robinson, F. W., and Bird, assignors.)
- Hanrahan, John C., Los Angeles, Calif. Water-tube steam boiler. 1,762,136; June 3.
- Hanrahan, Joseph F., Long Island City, assignor of seventy-five per cent to P. A. Bogaard, Brooklyn, N. Y. Oxygen chamber. 1,744,890; Jan. 28.
- Hans, Edmund E., Detroit, Mich. Lubricating-oil purifier. 1,769,897; July 1.
- Hans, Edmund E., Detroit, assignor to A C Spark Plug Company, Flint, Mich. Instrument panel. 1,761,914; June 3.
- Hänsel, Günther. (See Hosenfeld, M., and Hänsel.)
- Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Picture transmission. 1,751,584; Mar. 25.
- Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Coupling. 1,751,996; Mar. 25.
- Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Semirigid crystal mounting. 1,783,014; Nov. 25.
- Hansell, Frank R. et al. (See Furness, W. H., and Hansell, assignors.)
- Hansell, Standish F. (See Furness, W. H., and Hansell.)
- Hanselmann, Charles F., New York, N. Y. Toy. 1,772,394; Aug. 5.
- Hansen, Albert E., Elkhart, Ind., assignor to Elkhart Brass Manufacturing Company. Standpipe connection. 1,755,735; Apr. 22.
- Hansen, Alfred T., Green Bay, Wis. Excavator-dipper latch. 1,753,513; Apr. 8.
- Hansen, Anton, Newark, N. J. Apparatus for removing cores from castings. 1,760,495; May 27.
- Hansen, Arnold C., jr. (See Boll, L. P., and Hansen.)
- Hansen, Arthur E., assignor to Young Iron Works, Seattle, Wash. Preparing sheaves. 1,747,629; Feb. 18.
- Hansen, Asmus, Berlin-Schöneberg, Germany. Aircraft. 1,765,917; June 24.
- Hansen Canning Machinery Corporation. (See Hansen, Oswald H., assignor.)
- Hansen, Carl L. (See Aldrich, F. M., and Hansen.)

- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Guide for broaching tools. 1,742,765; Jan. 7.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Retracting device for rock drills. 1,744,964; Jan. 28.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Chuck mechanism for rock drills. 1,745,166; Jan. 28.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mounting for rock drills. 1,747,869; Feb. 18.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill-feeding device. 1,753,007; Apr. 1.
- Hansen, Charles C., assignor to Refrigerating Specialties Co., Chicago, Ill. Controlling device for refrigerating systems. 1,757,044; May 6.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-line oiler. 1,757,084; May 6.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Portable universal drill mounting. 1,758,316; May 13.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Driving device for pipes. 1,759,573; May 20.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for rock drills. 1,763,701; June 17.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Portable pumping unit. 1,764,259; June 17.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Centralizer for drill steels. 1,769,921; July 8.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drive head for driving pipes. 1,774,884; Sept. 2.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Cushioning device for rock drills. 1,777,305; Oct. 7.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Locating device for submarine drills. 1,778,320; Oct. 14.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Excavating machine. 1,783,787; Dec. 2.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Charging device. 1,785,344; Dec. 16.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Hose clamp. 1,785,550; Dec. 16.
- Hansen, Charles, and H. S. Ellison, Lakewood, Ohio, assignor to National Carbon Company, Inc. Current-collecting brush. 1,785,483; Dec. 16.
- Hansen, Christian, Puyallup, Wash. Tree protector. 1,764,442; June 17.
- Hansen, Conrad T., Philadelphia, Pa., assignor to Hale & Kilburn Co. Upper-deck seating arrangement for busses. 1,754,465; Apr. 15.
- Hansen, Earl J. (See Smith, J. A., and Hansen.)
- Hansen, Elwine G., executrix. (See Hansen, John S.)
- Hansen, Frederick D., and H. W. Tinker, assignors, by mesne assignments, to Federal Pressed Steel Corporation, Milwaukee, Wis. Tire cover. Des. 82,028; Sept. 16.
- Hansen, Gerhard, assignor to the firm: Carl Ziess, Jena, Germany. Device for partial deflection of a conical pencil of imaging rays. 1,787,269; Dec. 30.
- Hansen, Hans P., Syracuse, N. Y. Mortuary-record container. 1,785,582; Dec. 16.
- Hansen, Hans P. K., Staplehurst, Nebr. Attachment for pencils. 1,765,151; June 17.
- Hansen, Herman, New York, N. Y., assignors to Francis Kell & Son, Inc. Lock and latch mechanism. 1,779,539; Oct. 28.
- Hansen, Herman, New York, N. Y., assignor to Francis Kell & Son, Inc. Construction for display cases. 1,782,819; Nov. 25.
- Hansen, Isak, New Rochelle, N. Y. Safety catch. 1,752,987; Apr. 1.
- Hansen, John, Bettendorf, Iowa. Power baling machine. 1,778,940; Oct. 21.
- Hansen, John, Bettendorf, Iowa. Power baling machine. 1,778,941; Oct. 21.
- Hansen, John, Seattle, Wash., assignor to American Can Company, New York, N. Y. Stack holder for strip-feed presses. 1,745,616; Feb. 4.
- Hansen, John S., deceased, by E. G. Hansen, executrix, Brockton, Mass., assignor to O. A. Miller Treeing Machine Company, Portland, Me. Shoe form. 1,778,594; Oct. 14.
- Hansen, Julius F., Evanston, assignor to The Fahl Company, Chicago, Ill. Unbreakable writing instrument and making same. 1,745,483; Feb. 4.
- Hansen, Klaus L., and W. J. Oesterlein, Milwaukee, Wis. Self-starting induction motor. 1,743,818; Jan. 14.
- Hansen, Leland H., assignor to Howard Radio Co., Chicago, Ill. Condenser-coupling device. 1,744,546; Jan. 21.
- Hansen, Magnus, Tilburg, Netherlands. Mixing device. 1,775,457; Sept. 9.
- Hansen, Marcus M., Seattle, Wash. Paper file. 1,766,072; June 24.
- Hansen, Marius H., assignor to Hanson Scale Company, Chicago, Ill. Combined weighing-scale casing and platform. Des. 81,746; Aug. 5.
- Hansen, Merritt R., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 1,760,196; May 27.
- Hansen, Oswald, New York, N. Y. Interchangeable name plate. 1,756,547; Apr. 29.
- Hansen, Oswald H., Port Washington, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Treating kraut. 1,750,467; Mar. 11.
- Hansen, Oswald H., Port Washington, Wis., assignor, by mesne assignments, to Anderson-Barngrover Mfg. Co., San Jose, Calif. Transporting mechanism. 1,772,543; Aug. 12.
- Hansen, Oswald H., Port Washington, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Apparatus for treating kraut. 1,776,432; Sept. 23.
- Hansen, Oswald H., Milwaukee, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Can-filling machine. 1,756,548; Apr. 29.
- Hansen, Oswald H., Milwaukee, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Can-filling machine. 1,778,216; Oct. 14.
- Hansen, Oswald H., assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Sterilizing food. 1,756,549; Apr. 29.
- Hansen, Oswald H., assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Sterilizing food. 1,756,550; Apr. 29.
- Hansen, Oswald H., assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Apparatus for grading granular material. 1,761,783; June 3.
- Hansen, Paul E., Riverside, Calif. Recording device for motor vehicles. 1,759,194; May 20.
- Hansen, Russell E., Detroit, and O. J. Groehn, Grosse Pointe Park, assignors to Hudson Motor Car Company, Detroit, Mich. Apparatus for forming flanged openings in sheet-metal panels and the like. 1,749,184; Mar. 4.
- Hansen, Sern L., Cleveland, Ohio. Table knife. Des. 81,977; Sept. 9.
- Hansen, Victor C., Brooklyn, N. Y. Shade hanger. 1,751,517; Mar. 25.
- Hansen, Walter G., Butte, Mont. Animal food. 1,777,795; Oct. 7.
- Hansena A.-G. (See Nathan, Leopold, assignor.)
- Hansen's Chr., Laboratory, Inc. (See Monrad, Karl J., assignor.)
- Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson, executor. Drilling-machine feed mechanism. 1,748,476; Feb. 25.
- Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson, executor. Method of and apparatus for truing serrated grinding wheels. 1,764,043; June 17.
- Hanson, Carl. (See Eslinger, Harvey H., assignor.)
- Hanson, Casper F., assignor to Olson Manufacturing Company, Albert Lea, Minn. Stanchion. 1,780,187; Nov. 4.
- Hanson, Charles W. (See Perkins, M. F., Hanson, and O'Harra.)
- Hanson, Einar A., executor. (See Hanson, Bengt M. W.)
- Hanson, Floyd A., and F. H. Lewis, assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif. Pressure regulator for pumps. 1,774,001; Aug. 26.
- Hanson, Gustaf W., Wichita, Kans. Pneumatically-discharged liquid container. 1,770,033; July 8.
- Hanson, Hans P., Chicago, Ill. Handle for flowerpots and saucers. 1,756,461; Apr. 29.
- Hanson, Helmer H., Lajord, Saskatchewan, Canada, assignor to J. I. Case Company, Racine, Wis. Windrow harvester. 1,772,440; Aug. 5.
- Hanson, Howard V., Walla Walla, Wash. Harness. 1,752,525; Apr. 1.
- Hanson, Ira C., Racine, Wis. Electric-circuit control. 1,785,773; Dec. 23.
- Hanson, Irven E., and J. B. Gaffney, Freeport, Tex. Apparatus for solidifying sulphur. 1,742,391; Jan. 7.
- Hanson, Isaac E., Oklahoma City, Okla. Aeroplane. 1,754,715; Apr. 15.
- Hanson, John, Pelican Rapids, Minn. Air-pressure apparatus for automobiles. 1,756,192; Apr. 29.
- Hanson, John H. (See Paige, W. R., and Hanson.)
- Hanson, Maynard D., Portland, Me. Golf driving mat. 1,753,654; Apr. 8.
- Hanson, Nathan E., assignor to Union Special Machine Company, Chicago, Ill. Rug-tufting machine. 1,785,625; Dec. 16.
- Hanson, Oscar B. (See Taylor, E. R., and Hanson.)
- Hanson, Robert C., and I. Jeppsson, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Health lamp. Des. 80,483; Feb. 11.
- Hanson, Robert C., and I. Jeppsson, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Health lamp. Des. 80,484; Feb. 11.
- Hanson Scale Company. (See Hansen, Marius H., assignor.)
- Hanson-Van Winkle-Munning Company. (See Hogaboom, George B., assignor.)
- Hantjopoulos, George, New York, N. Y. Hydrocycle. 1,744,075; Jan. 21.
- Hantzsch, Ralph E. (See Fry, J. R., and Hantzsch.)
- Hanus, Frank, Cleveland, Ohio. Apparatus for manufacturing ice. 1,784,834; Dec. 16.

- Hanzlik, Henry J., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine. 1,762,332; June 10.
- Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,767,844; June 24.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking machine. 1,745,092; Jan. 28.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Cow-milking apparatus. 1,787,152; Dec. 30.
- Happe, August, Nieder-Vahlefeld, near Halver, Germany, assignor, by mesne assignments, to Guaranty Products Company, St. Louis, Mo. Fruit and like peeler. 1,773,267; Aug. 19.
- Happel, Albert, Los Angeles, Calif. Exercising device. 1,779,039; Oct. 21.
- Happel, Albert, Toledo, Ohio, assignor, by mesne assignments, to Gifford-Wood Company, Hudson, N. Y. Ice-scoring machine. 1,772,144; Aug. 5.
- Happer, George D., Norfolk, Va. Article support. 1,760,752; May 27.
- Happone, Matt, assignor to Briggs Manufacturing Company, Detroit, Mich. Ventilator system. 1,786,064; Dec. 23.
- Haquin, Henri L. J., Vienne, France. Insulator and mold for casting the same. 1,754,101; Apr. 8.
- Harasimiak, Waclaw, Camden, N. J. Mine drill. 1,768,318; June 24.
- Harasimiak, Waclaw, Camden, N. J. Combination key, pencil sharpener, and cigar clipper. 1,776,283; Sept. 23.
- Harber, Laurence S. (See Pointon, J. E., and Harber.)
- Harber, Laurence S., Peterborough, England, assignor to Baker Perkins Company, Saginaw, Mich. Traveling conveyor for ovens. 1,758,397; May 13.
- Harber, Laurence S., and J. E. Pointon, Peterborough, England, assignors to Baker Perkins Company Incorporated, New York, N. Y. Machine for the mixing, aerating, and like treatment of various materials. 1,751,548; Mar. 25.
- Harber, Laurence S., and J. E. Pointon, Peterborough, England, assignors to Baker Perkins Company Incorporated, New York, N. Y. Dough-molding machine. 1,757,306; May 6.
- Harber, Laurence S., assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich. Dough-molding machine. 1,781,546; Nov. 11.
- Harbert, Victor H., Chicago, Ill. Pipe-anchoring means. 1,755,394; Apr. 22.
- Harbert, Victor H., assignor to E. Payson Smith, Chicago, Ill. Brake-hanger support. 1,768,686; July 1.
- Harbick, Thomas A. (See Kramer, Clarence P., assignor.)
- Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Tender-frame structure. 1,757,117; May 6.
- Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Trailer truck. 1,777,752; Oct. 7.
- Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Oil-refinery fitting. 1,787,040; Dec. 30.
- Harbo, Harold E. (See Watters, A. E., and Harbo.)
- Hard, Malcolm, Flushing, assignor to The Superheater Company, New York, N. Y. Superheater header. 1,773,531; Aug. 19.
- Hard Manufacturing Company. (See McKay, John, assignor.)
- Hardacker, William E., and E. L. Hessel; said Hessel assignor to C. Hessel, Minneapolis, Minn. Sewer-flooding control apparatus. 1,779,040; Oct. 21.
- Hardee, Theodore, et al. (See von Senden, Boyd V., assignor.)
- Harden, William G., St. Joseph, Mo. Disappearing screen for automobiles. 1,773,040; Aug. 12.
- Harden, Wilton C., assignor, by mesne assignments, to Hynson, Westcott & Dunning, Inc., Baltimore, Md. Halogenated sulphone phthaleins. 1,786,611; Dec. 30.
- Hardenberg, Jan J. (See Schoonenberg, P., and Hardenberg.)
- Hardenbergh, Nathan W., North Canaan, Conn. Machine for spreading road materials. 1,764,019; June 17.
- Harder, Arthur, Warnemunde, Germany. Dental spoon. 1,759,746; May 20.
- Harder Refrigerator Corporation. (See Ryder, Frank H., assignor.)
- Harders, Conrad F. (See Link, R. A., and Harders.)
- Hardesty, Francis D., Ferndale, Mich. Locking device for automotive vehicles. 1,758,698; May 13.
- Hardesty, Francis D., Birmingham, Mich. Controlling mechanism. 1,768,518; June 24.
- Hardgrove, Ralph M. (See Bailey, E. G., and Hardgrove.)
- Hardgrove, Ralph M., Bethlehem, assignor to Fuller Lehigh Company, Fullerton, Pa. Grinding mill. 1,751,918; Mar. 25.
- Hardgrove, Ralph M., Allentown, assignor to Fuller Lehigh Company, Fullerton, Pa. Cement spreader. 1,782,820; Nov. 25.
- Härdi, Jakob, Oberentfelden, Switzerland. Machine for folding and packing strip-shaped material. 1,747,630; Feb. 18.
- Hardick, Michael, Punxsutawney, Pa., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,765,529; June 24.
- Hardie, Charles H., South Gate, and W. Jones, Los Angeles, Calif. Multistage and expansion-fluid pump. 1,766,382; June 24.
- Hardie, Charles H., South Gate, Calif. Gear mechanism. 1,777,490; Oct. 7.
- Hardie, George, Condon, Oreg. Cultivator. 1,785,901; Dec. 23.
- Hardie, James B., St. Louis, Mo. Mop. 1,753,514; Apr. 8.
- Hardie, John C., Helena, Mont. Pea sheller. 1,777,613; Oct. 7.
- Hardie, Robert W., Fanwood, N. J. Dividing strip. 1,785,028; Dec. 16.
- Hardie-Tynes Manufacturing Company. (See Mathews, William E., assignor.)
- Hardigg, Jep C. (See Whiton, L. C., jr., and Hardigg.)
- Hardin, Eugene A., Detroit, Mich. Pile. 1,759,786; May 20.
- Hardin, George W., Greeneville, Tenn. Aircraft. 1,754,211; Apr. 8.
- Hardin, Robert H., Bakersfield, Calif. Air-cooling device. 1,782,612; Nov. 25.
- Harding, Arthur T. (See Clark, F. M., and Harding.)
- Harding, Chauncy, assignor of one-half to C. W. Eastman, Denver, Colo. Extensible plank. 1,774,268; Aug. 26.
- Harding, Dana E., Melrose, assignor to Harding Engineering Company, East Boston, Mass. Marking machine. 1,756,163; Apr. 29.
- Harding, Dana E., Melrose, assignor to Harding Engineering Company, East Boston, Mass. Shank machine. 1,783,907; Dec. 2.
- Harding, David J. (See Richardson, K. M., and Harding.)
- Harding Engineering Company. (See Harding, Dana E., assignor.)
- Harding Engineering Company. (See Wright, Wallace C., assignor.)
- Harding, James E., Lyme, Conn. Syringe plug. 1,767,449; June 24.
- Harding, James E., assignor to Gulbenkian Seamless Rug Company, New Brunswick, N. J. Shuttle guide for looms. 1,765,266; June 17.
- Harding, Jay B., assignor to Standard Oil Company of New York, New York, N. Y. Candle. Des. 81,833; Aug. 19.
- Harding, John W., Wheeling, W. Va. Clamp and making the same. 1,782,266; Nov. 18.
- Harding, Milo M., Los Angeles, Calif. Drafting board. 1,756,289; Apr. 29.
- Harding, Oscar F. (See Candee, R. R., and Harding.)
- Harding, Oscar F., Long Beach, Calif. Core by-pass drill. 1,785,120; Dec. 16.
- Harding, Samuel B., Oshkosh, Wis. Boiler. 1,754,102; Apr. 8.
- Harding, William E., Indianapolis, Ind., assignor to Teletype Corporation, Chicago, Ill. Telegraph sending and writing instrument. 1,769,834; July 1.
- Hardinge Brothers, Inc. (See Hardinge, Franklin, assignor.)
- Hardinge Company. (See Hardinge, Harlowe, assignor.)
- Hardinge, Franklin. (See Ivandick, Mathew G., assignor.)
- Hardinge, Franklin, assignor to Hardinge Brothers, Incorporated, Chicago, Ill. Oil burner. 1,747,365; Feb. 18.
- Hardinge, Franklin, assignor to Hardinge Brothers, Inc., Chicago, Ill. Oil burner. 1,748,416; Feb. 25.
- Hardinge, Harlowe, assignor to Hardinge Company, Incorporated, York, Pa. Apparatus for disintegrating ore and other material. 1,780,915; Nov. 11.
- Hardman, Cornelius B., Columbus, Ohio. Internal-combustion engine. 1,751,919; Mar. 25.
- Hardman, Peck & Co. (See Bukow, Reinhold, assignor.)
- Hardman, William H., and F. Girvin, Schenectady, N. Y., assignor to General Electric Company. Electrode for arc lamps. 1,775,078; Sept. 2.
- Hardright Company, The. (See Earon, Orville D., assignor.)
- Hardsocg, Lester C., assignor to Hardsocg Manufacturing Company, Ottumwa, Iowa. Auger or drill. 1,767,883; June 24.
- Hardsocg Manufacturing Company. (See Hardsocg, Lester C., assignor.)
- Hardtmann, Max. (See Hartmann, E., Hardtmann, and Kummel.)
- Hardtmann, Max. (See Hentrich, W., and Hardtmann.)
- Hardtmann, Max. (See Hentrich, W., Hardtmann, and Knoche.)
- Hardtmann, Max. (See Hentrich, W., Hardtmann, and Tietze.)
- Hardtmann, Max. (See Lommel, W., Münzel, Hentrich, and Hardtmann.)
- Hardwicke-Etter Company. (See Streun, John A., assignor.)
- Hardy, Arthur C., Wellesley, Mass., and F. W. Cunningham, Stamford, Conn., assignors to General Electric Company. Method of and apparatus for producing standard illumination. 1,761,725; June 3.
- Hardy, Arthur C., Wellesley, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Optical measuring instrument. 1,780,231; Nov. 4.
- Hardy, Charles, assignor to Wales Novelties Corporation, New York, N. Y. Pocket cigar lighter. 1,762,980; June 10.
- Hardy, Charles R., Mount Vernon, assignor to The Superheater Company, New York, N. Y. Automatic control valve. 1,760,355; May 27.
- Hardy, Donovan H., assignor of one-half to E. E. Grubbs Manila, P. I. Shoe-lace knitter. 1,782,066; Nov. 18.

- Hardy, Hazlett M., Muskegon, Mich. Metallic piston packing. 1,770,034; July 8.
- Hardy, Hazlett M., Muskegon, Mich. Compression and oil control piston ring. 1,774,002; Aug. 26.
- Hardy, Peter. (See Thomson, J. M., and Hardy.)
- Hardy, Steven, New York, N. Y. Cleaning and polishing fluid. 1,758,317; May 13.
- Hardy, Thomas M. (See Davis, D. W., and Hardy.)
- Hare, George, St. Petersburg, Fla. Attachment for saws. 1,764,951; June 17.
- Hare, Wilfred A., Detroit, Mich. Control system for furnace stokers. 1,769,641; July 1.
- Harford, Albert K., Oakland, assignor, by mesne assignments, to New Metal Products Company, Emeryville, Calif. Arc-welding system. 1,765,373; June 24.
- Harford, John K., Lewiston, Idaho. Fluid-pressure-operated motor. 1,772,578; Aug. 12.
- Harger, Martin L., Newell, Pa., assignor of one-third to C. O. Downer, Newell, and one-third to K. W. Daly, Charleroi, Pa. Journal box. 1,764,017; June 17.
- Hargis, George R., assignor to The Frederick Iron & Steel Company, Frederick, Md. Liner for centrifugal pumps. 1,743,916; Jan. 14.
- Hargraves, Hobart L., West Buxton, Me., assignor to The William Carter Company, Needham Heights, Mass. Sun suit. 1,778,453; Oct. 14.
- Hargraves, Hobart L., West Buxton, Me., assignor to The William Carter Company, Needham Heights, Mass. Sun suit. 1,778,454; Oct. 14.
- Hargreaves, Harold, Burnley, assignor to Jackson Boilers Limited, Leeds, England. Water boiler. 1,752,905; Apr. 1.
- Hargreaves, Thomas, Hillside, N. J. Combined seat and carrier. 1,767,925; June 24.
- Hargrove, George C., Westfield, and W. B. Montgomery, Elizabeth, N. J., assignors, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Cracking hydrocarbons. 1,784,065; Dec. 9.
- Hari, Alex, et al. (See Kovács, Balint, assignor.)
- Haring, Peter P., Dallas, Tex. Cotton-cleaning apparatus. 1,768,837; July 1.
- Harithas, Nicolaus. (See Field, Arthur E. and U. G., and Harithas.)
- Harkins, Harry, Montpelier, Iowa. Sound-reproducing horn. 1,757,307; May 6.
- Harkins, Harvey H. (See Brown, E. B., Frey, and Harkins.)
- Harkness, Ernest V., Decatur, Ill. Ice tongs. 1,755,256; Apr. 22.
- Harkness, Harold J. (See Blackwood, A. B., and Harkness.)
- Harks, Walter M., assignor to The Hayes Equipment Manufacturing Company, Wichita, Kans. Liquid-dispensing mechanism. 1,773,484; Aug. 19.
- Harlach, Fritz, assignor to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf, Germany. Firearm arranged on mounting. 1,771,084; July 22.
- Harle, James W., jr., Clearwater, Fla. Motor vehicle radiator statuette or similar article. Des. 81,876; Aug. 26.
- Harley, Cecil F., and J. C. Paterson, London, England. Appliance for peeling oranges and like fruits. 1,771,296; July 22.
- Harley-Davidson Motor Company. (See Harley, William S., assignor.)
- Harley, George W., Collingswood, N. J. Floor construction. 1,745,296; Jan. 28.
- Harley, George W., Collingswood, N. J. Pattern and guide strip. 1,755,001; Apr. 15.
- Harley, George W., Collingswood, N. J. Guide and pattern strip and anchor therefor. 1,784,353; Dec. 9.
- Harley, John F. (See Tooker, J. N., and Harley.)
- Harley, Lee M. (See Wade, H. R., and Harley.)
- Harley, William S., assignor to Harley-Davidson Motor Company, Milwaukee, Wis. Pump. 1,761,038; June 3.
- Harloff, Henry F. (See Eckardt, A. H., and Harloff.)
- Harlow, Lee H., assignor of one-half to G. C. Piper, Los Angeles, Calif. Single-button electric switch. 1,734,437; Dec. 9.
- Harm, Frederick H., La Sueur Center, Minn. Ice-cream-form device. 1,757,799; May 6.
- Harm, George O. (See Abernathy, Clyde G., assignor.)
- Harm, George O., Warren, Ohio. Dustless batcher. 1,779,734; Oct. 28.
- Harm, George O., Warren, Ohio. Arch form. 1,779,735; Oct. 28.
- Harman, Frank B., and W. Anderson, Kenosha, Wis., assignors to Simmons Company, New York, N. Y. Folding chair. 1,767,211; June 24.
- Harman Pacific Company. (See Harman, William E., assignor.)
- Harman, William E., assignor to Harman Pacific Company, Los Angeles, Calif. Hose nozzle. 1,768,356; June 24.
- Harmer, Otto R. (See Braaten, E. O., and Harmer.)
- Harmes, Edward, Wilksburg, Pa., assignor to New Process Multi-Castings Company. Mechanism for forming and handling molds. 1,751,175; Mar. 25.
- Harmon, Guy. (See Skillman, E., and Harmon.)
- Harmon, Herbert F., Grove City, Pa., assignor to P. D. Lowell, Jamaica, N. Y. Radiofrequency amplification system. 1,747,297; Feb. 18.
- Harmon, Jay F., Reno, Nev. Oil and water separator. 1,758,743; May 13.
- Harmon, Winfield S., Chicago, Ill. Drafting machine. 1,746,830; Feb. 11.
- Harmony Co., The. (See Gast, Theodore A., assignor.)
- Harmon & Co. Inc. (See Harty, W. A., and Moore, assignors.)
- Harms, Albert G., Chicago, Ill. Loop aerial. 1,755,820; Apr. 22.
- Harms, Hinrich, Eystrup/Weser, Germany. Stalk divider for moving machines. 1,779,233; Oct. 21.
- Harn, Sherman A., Waterville, Wash. Straw-spreading attachment. 1,759,552; May 20.
- Harned, Wilford A., Helena, Mont. Tire signal. 1,769,508; July 1.
- Harner, John Z., and H. S. Schweinhart, assignors to The Union Manufacturing Company, Boyertown, Pa. Top burner for gas stoves. 1,781,386; Nov. 11.
- Harnett, Lewis D. (See Davis, H. C., and Harnett.)
- Harnett, Lewis D., assignor to The Buckeye Blower Company, Columbus, Ohio. Damper control. 1,777,848; Oct. 7.
- Harney, Francis W., Lockport, assignor to The Upson Company, Lockport, N. Y. Severing mechanism for board-making machines. 1,776,256; Sept. 23.
- Harnischfeger Corporation. (See Brown, Frank E., assignor.)
- Harnischfeger Corporation, The. (See Brown, Robert L., assignor.)
- Harnischfeger Corporation. (See Harry, Geoffrey M., assignor.)
- Harnischfeger Corporation. (See Harry G. M., and Sternberger, assignors.)
- Harnischfeger Corporation. (See Henricks, A. G., and Mitchell, assignors.)
- Harnischfeger Corporation. (See Locher, C. H., and Burt, assignors.)
- Harnischfeger Corporation. (See Mitchell, Holger L., assignor.)
- Harnischfeger Corporation. (See Standfuss, Ernest R., assignor.)
- Harnsberger, Audley E., assignor to The Pure Oil Company, Chicago, Ill. Vacuum system of oil conversion. 1,763,604; June 10.
- Harnsberger, Audley E., assignor to The Pure Oil Company, Chicago, Ill. Producing heat-transfer conduits. 1,774,231; Aug. 26.
- Harp, Charles B., Los Angeles, Calif. Desilting channels. 1,777,491; Oct. 7.
- Harp, Charles B., Los Angeles, Calif. Desilting nozzle head. 1,778,942; Oct. 21.
- Harper, Clarence L., Philadelphia, Pa. Conduit base and trim. 1,783,120; Nov. 25.
- Harper, Clyde McC., Baytown, Tex. Lubricator. 1,769,290; July 1.
- Harper, Edward F., Philadelphia, Pa. Form for molding concrete and cement. 1,787,107; Dec. 30.
- Harper Electric Furnace Corporation. (See Fitzgerald, F. A. J., and Kelleher, assignors.)
- Harper Electric Furnace Corporation. (See Kelleher, James, assignor.)
- Harper, Elmer E., Kansas City, Mo. Chemical-feed machine. 1,783,423; Dec. 2.
- Harper, George W., assignor to The Columbia Axle Company, Cleveland, Ohio. Axle. 1,760,356; May 27.
- Harper, Lurella, et al., administratrices. (See Hilgert, Mathew.)
- Harper, Martin, Strand, London, England. Winding endless cinematograph films and the like. 1,783,169; Nov. 25.
- Harper, Philip S., Chicago, Ill. Gas burner. 1,754,388; Apr. 15.
- Harper, Solomon, Syracuse, N. Y. Electrical hair-treating implement. 1,772,002; Aug. 5.
- Harper, William, jr., Port Washington, assignor to American Gas Turbine Corporation, New York, N. Y. Valve. 1,776,504; Sept. 23.
- Harpham, G. E. (See Ferguson, Robert B., assignor.)
- Harpster, Clyde C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Heating unit. 1,764,301; June 17.
- Harr, William J., Denver, Colo. Rock crusher. 1,771,118; July 22.
- Harrah, Philip J., and J. H. Pearson, Bloomfield, Ind.; said Pearson assignor to said Harrah. Doorcheck. 1,769,289; July 1.
- Harred, George. (See Gollnick, P. A., and Harred.)
- Harred, George. (See Gollnick, P. A., Toolan, and Harred.)
- Harriman, Louis H., trustee. (See Brittain, George E., assignor.)
- Harring, Charles W., Brooklyn, N. Y. Outside window screen. 1,779,845; Oct. 28.
- Harrington, Alfred L., Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for making composite glass. 1,777,642; Oct. 7.
- Harrington, Bertie S., Fort Worth, Tex. Filling-machine governor. 1,751,149; Mar. 18.
- Harrington, Bertie S., Fort Worth, Tex., assignor to Wolf Machine Company, Cincinnati, Ohio. Carcass splitter. 1,752,257; Mar. 25.
- Harrington, Clarence L., assignor of one-half to H. W. Jackman, Battle Creek, Mich. Sash fastener. 1,767,450; June 24.
- Harrington, Claude B., et al. (See Chirds, John S., assignor.)
- Harrington, Daniel S., Atlanta, Ga., assignor to The Good-year Tire & Rubber Company, Akron, Ohio. Apparatus for curing vulcanizable bands. 1,746,699; Feb. 11.

- Harrington, Edward L., assignor to G. H. Williams Company, Erie, Pa. Bucket-tooth mounting. 1,743,890; Jan. 14.
- Harrington, Edward L., assignor to G. H. Williams Company, Erie, Pa. Sheave. 1,767,070; June 24.
- Harrington, Edward L., assignor to G. H. Williams Company, Erie, Pa. Grapple. 1,779,702; Oct. 28.
- Harrington, Elliott D., Schenectady, N. Y., assignor to General Electric Company. Multispeed-motor-control system. 1,743,772; Jan. 14.
- Harrington, Ferris T., assignor to Whitman & Barnes, Inc., Detroit, Mich. Twisting noncircular blanks for drills, etc. 1,750,776; Mar. 18.
- Harrington, George D., deceased, Seagirt, N. J.; N. and L. T. Harrington, heirs-at-law. Pulverizer. 1,748,050; Feb. 18.
- Harrington, George F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Shunted spring. 1,746,650; Feb. 11.
- Harrington, George F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lighting arrester. 1,778,829; Oct. 21.
- Harrington, Henry B. (See Kline, Charles L., assignor.)
- Harrington, James, assignor to Pines Winterfront Company, Chicago, Ill. Theft-preventing device. 1,751,629; Mar. 25.
- Harrington, John W., assignor to Harrington & Richardson Arms Company, Worcester, Mass. Collapsible firearm. 1,779,770; Oct. 28.
- Harrington, Lawrence T., et al., heirs at law. (See Harrington, George D.)
- Harrington, Norma, et al., heirs at law. (See Harrington, George D.)
- Harrington, Patrick H., and V. Klingler, Slayton, Minn. Attachment for windshield cleaners. 1,747,004; Feb. 11.
- Harrington & Richardson Arms Company. (See Harrington, John W., assignor.)
- Harris, Arch W. (See Charlesworth, S. I., and Harris.)
- Harris, Arthur J., Paterson, N. J. Loom, 1,772,080; Aug. 5.
- Harris, Arthur W., F. M. Suchke, and J. L. King, Atlanta, Ga., assignors to Atlanta Harness & Reed Manufacturing Company. Wire-tempering apparatus. 1,754,190; Apr. 8.
- Harris, Burton S., and H. M. Johnston, Toronto, Ontario, assignors to Massey-Harris Company, Limited, Toronto, Canada. Reaper thrasher. 1,761,264; June 3.
- Harris, Burton S., and H. M. Johnston, Toronto, Ontario, assignors to Massey-Harris Company, Toronto, Canada. Reaper thrasher. 1,761,265; June 3.
- Harris Calorific Company, The. (See Campbell, Lorn, jr., assignor.)
- Harris Calorific Company, The. (See Harris, John, assignor.)
- Harris, Carl C., Orange, Mass. Game and game piece. 1,762,269; June 10.
- Harris, Carl C., Orange, Mass. Cup for sponge moisteners. 1,782,505; Nov. 25.
- Harris, Carl H., Battle Creek, Mich. Tool or implement for feeding punch presses and the like. 1,743,212; Jan. 14.
- Harris, Charles P., Oakland, Calif. Fishing tool. 1,786,111; Dec. 23.
- Harris, Charles S., Jacksonville, Fla. License-tag holder. 1,779,234; Oct. 21.
- Harris, Charles W., and J. Taylor, Independence, Kans. Combination manway and cable guide. 1,775,126; Sept. 9.
- Harris, Clara C., Sabina, Ohio. Tally. 1,780,878; Nov. 4.
- Harris, Clara F., Kansas City, Mo. Sanitary shield for toilet seats. 1,761,391; June 3.
- Harris, Edwin, Athens, Tex. Calculating device. 1,774,177; Aug. 26.
- Harris, Eleanor M., Chicago, Ill. Sales-record book. 1,759,845; May 27.
- Harris, Elliot H., assignor to B. M. Herr, Pittsburgh, Pa. Fractionating apparatus. 1,750,306; Mar. 11.
- Harris, Ernest. (See Diggins, Thomas L., assignor.)
- Harris, Floyd E., Flint, Mich. Heat regulator. 1,756,823; Apr. 29.
- Harris, Ford W. (See Turner, Charles L., assignor.)
- Harris, Frances R., Portland, Oreg. Shelf support. 1,778,075; Oct. 14.
- Harris, Frank, Baltimore, Md., assignor to Draper Corporation, Hopedale, Mass. Thread-parting mechanism for filling-replenishing looms. 1,761,625; June 3.
- Harris, Frank C., Cleveland, Ohio. Yoke construction for suspended carriers. 1,775,429; Sept. 9.
- Harris, Frank E., Bellingham, Wash. Soldering flux. 1,757,118; May 6.
- Harris, George J., Providence, R. I. Name plate. Des. 82,085; Sept. 23.
- Harris, George R., Los Angeles, Calif. Street-lighting fixture. Des. 82,425; Nov. 4.
- Harris, Gordon D., assignor to The Industrial Dryer Corporation, Stamford, Conn. Method of and apparatus for conditioning lumber and other materials. 1,784,727; Dec. 9.
- Harris, Harry. (See Bartholomew, Sherman, assignor.)
- Harris, Harry G., Los Angeles, Calif. Nose protector. 1,761,664; June 3.
- Harris, Harry P. (See Spencer, R. W., and Harris.)
- Harris, Henry, London, England. Separation of oxysalts from alkali mixtures containing same. 1,775,676; Sept. 16.
- Harris, Herbert H., Woodville, W. T. Whittingslowe, New Mile End, and S. J. Jolly, Woodville West, South Australia, Australia. Lining gun nozzle. 1,762,058; June 3.
- Harris, Howard C., Akron, Ohio. Universal joint. 1,768,759; July 1.
- Harris, Hugh W., Chicago, Ill. Combined electric fan and beater. 1,749,282; Mar. 4.
- Harris, Hugh W., Chicago, Ill. Ventilating unit. 1,769,922; July 8.
- Harris, Isaac, Buffalo, assignor to United Reproducers Corporation, Rochester, N. Y. Cabinet for sound reproducer. Des. 80,530; Feb. 18.
- Harris, Isaac, Buffalo, assignor, by mesne assignments, to United Reproducers Corporation, Rochester, N. Y. Grille for sound reproducer. Des. 80,725; Mar. 18.
- Harris, James W., Rumford, Me., assignor, by mesne assignments, to Paper Machinery Corporation, Dayton, Ohio. Deckle for paper-making machines. 1,764,260; June 17.
- Harris, Jesse, La Fayette, Ind. Maximum-demand meter. 1,762,226; June 10.
- Harris, John, Sheffield, England. Mechanical ore-roasting furnace. 1,758,154; May 13.
- Harris, John, assignor to The Harris Calorific Company, Cleveland, Ohio. Blowpipe. 1,751,402; Mar. 18.
- Harris, John, assignor to The Harris Calorific Company, Cleveland, Ohio. Regulator. 1,768,904; July 1.
- Harris, John A., Detroit, Mich. Steam motor vehicle. 1,751,734; Mar. 25.
- Harris, John C., and J. Wood, Otiake, New Zealand. Heating device. 1,763,516; June 10.
- Harris, John E. G. (See Wylam, B., Harris, and Thomas.)
- Harris, John P., Chicago, Ill., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Press. 1,742,470; Jan. 7.
- Harris, John R., Brooklyn, N. Y. Toy aeroplane. 1,776,222; Sept. 16.
- Harris, Leonard B., assignor of one-half to E. M. Goldsmith, New York, N. Y. Vehicle seat. 1,767,757; June 24.
- Harris, Louis, Washington, D. C. Bottle. Des. 81,642; July 22.
- Harris, Marcus R., Detroit, Mich. Closure operator. 1,749,425; Mar. 4.
- Harris, Mark, New Rochelle, N. Y. Game table. Des. 82,533; Nov. 11.
- Harris, Mark B., assignor to General Motors Corporation, Detroit, Mich. Controlling apparatus. 1,742,766; Jan. 7.
- Harris, Marvin L., assignor of one-half to W. C. Gleason, jr., Portsmouth, Va. Towline. 1,772,420; Aug. 5.
- Harris, Moses A., Milford, Conn. Electric packer. 1,753,412; Apr. 8.
- Harris, Ora E., Kearney, Nebr. Combination cream and milk stirrer and sampler. 1,761,298; June 3.
- Harris, Ralph B., Wilder, Kans. Copyholder. 1,765,306; June 17.
- Harris, Raymond J., Washington, D. C. Flycatcher. 1,744,762; Jan. 28.
- Harris, Richard A., assignor to Baker Perkins, Limited, Peterborough, England. Wrapping machine for sweetmeats and the like. 1,784,835; Dec. 16.
- Harris, Roy E., San Diego, Calif. Trunk. 1,769,642; July 1.
- Harris, Samuel, Bruce Rock, Australia. Bit brace. 1,771,958; July 29.
- Harris-Seybold-Potter Company. (See Harrold, Charles W., assignor.)
- Harris-Seybold-Potter Company, The. (See Valiquette, William L., assignor.)
- Harris, Thomas H., Norwood, Ohio. Sign device. 1,754,944; Apr. 15.
- Harris, Walter C., Swampscott, Mass., assignor to General Electric Company. Electrically-driven vehicle. 1,743,773; Jan. 14.
- Harris, William A., Newton, assignor to Flintkote Company, Boston, Mass. Roofing shingle. Re17,862; Nov. 11.
- Harris, William A., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing and forming the same. 1,748,981; Mar. 4.
- Harris, William D., and R. V. Aycock, assignors to RefinOil Manufacturing Corporation, Kansas City, Mo. Treating oil. 1,745,167; Jan. 28.
- Harris, William J., jr., assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Regulating apparatus for gas-burning equipment. 1,762,133; June 3.
- Harris, William W., Brockton, Mass., assignor to Ketcham & McDougall, Inc. Condiment receptacle. 1,772,041; Aug. 5.
- Harrison, Albert D., Montreal, Quebec, Canada. Heat-exchange apparatus. 1,754,857; Apr. 15.
- Harrison, Alma J. (See Schwartz, W. M., Harrison, and Fagan.)
- Harrison, Arthur B. B., et al., executors. (See Harrison, Herbert C.)
- Harrison, Arthur P., Washington, D. C., assignor, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Automatic fermentation apparatus. 1,750,267; Mar. 11.
- Harrison, Arthur P., Yonkers, N. Y., assignor, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Manufacture of yeast. 1,761,789; June 3.

- Harrison, Arthur W., assignor of one-half to L. D. Kay, Los Angeles, Calif. Electric shock absorber. 1,752,844; Apr. 1.
- Harrison, Arthur W., Los Angeles, Calif., assignor, by mesne assignments, of one-half to Kay Brunner Steel Products, Inc. Torque brake. 1,786,996; Dec. 30.
- Harrison, Benjamin, and E., San Diego, Calif. Mattress. 1,748,477; Feb. 25.
- Harrison, Burt S., Brooklyn, N. Y. Oven heating and circulating system. 1,752,483; Apr. 1.
- Harrison, Burt S., Brooklyn, N. Y. Lumber drier. 1,759,195; May 20.
- Harrison, Charles D. (See Bartlett, R. S., Harrison, and Lindsey.)
- Harrison, Charles P., Wesleyville, Pa. Power-operated chuck. 1,775,592; Sept. 9.
- Harrison, Clifford E., assignor to American Engineering Company, Philadelphia, Pa. Reinforced crusher plate. 1,748,879; Feb. 25.
- Harrison, Clifford E., assignor to American Engineering Company, Philadelphia, Pa. Grate construction. 1,783,878; Dec. 2.
- Harrison, Cushion B. (See Brandon, T. B., and Harrison.)
- Harrison, Ellen. (See Harrison, Benjamin and E.)
- Harrison, Elmer. (See Mecklem, M. M., and Harrison.)
- Harrison, Erceel B., assignor to L. A. Schmuck, Pasadena, Calif. Sound amplifier. 1,776,902; Sept. 30.
- Harrison, Florence M., et al., executors. (See Harrison, Herbert C.)
- Harrison, Frank G., Massillon, assignor to The Spun Steel Corporation, Canton, Ohio. Pulley. 1,756,592; Apr. 29.
- Harrison, Frederick M., Far Rockaway, N. Y. Method and outfit for feather weaving. 1,746,588; Feb. 11.
- Harrison, George D. (See Myers, W. L., and Harrison.)
- Harrison, Harold C., Columbus, Ohio, assignor to McLanahan-Watkins Co., Hollidaysburg, Pa. Refractory and making the same. 1,760,133; May 27.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical reproducer. 1,747,829; Feb. 18.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic horn. 1,747,830; Feb. 18.
- Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Sound-translating system. 1,757,459; May 6.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,757,712; May 6.
- Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine signaling. 1,765,425; June 24.
- Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic system. 1,773,082; Aug. 12.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,777,118; Sept. 30.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproducer. 1,778,386; Oct. 14.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Diaphragm. 1,781,387; Nov. 11.
- Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanical transmission system. 1,784,871; Dec. 16.
- Harrison, Herbert C., deceased, Lockport, N. Y.; F. M. Harrison, A. B. B. Harrison, and W. W. Campbell, executors. Electrolytic process and apparatus. 1,768,358; June 24.
- Harrison, John G. (See Hough, A., and Harrison.)
- Harrison, John H., Stockton, Calif. Leveling attachment for ladders. 1,780,386; Nov. 4.
- Harrison, John S., Cleveland, Ohio, assignor to Standard Oil Development Company. Method and apparatus for cracking oil. 1,767,360; June 24.
- Harrison, Joseph L. A., Los Angeles, Calif. Teapot. 1,779,736; Oct. 28.
- Harrison, Laurence, Hampton, England. Antidazzle device for the headlights of motor vehicles. 1,769,781; July 1.
- Harrison, Marion M., Akron, Ohio. Corrosion prevention of iron and steel. 1,766,902; June 24.
- Harrison, Monroe, Chicago, Ill. Machine or apparatus for treating foods or the like. 1,786,300; Dec. 23.
- Harrison-Noyes Chemical Corporation. (See Noyes, Stanley E., assignor.)
- Harrison Radiator Corporation. (See Muir, Wellington W., assignor.)
- Harrison, Thomas R., assignor to Brown Instrument Company, Philadelphia, Pa. Automatic control switch apparatus. 1,743,774; Jan. 14.
- Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Meter. 1,743,852; Jan. 14.
- Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Meter. 1,743,853; Jan. 14.
- Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Recording meter. 1,743,854; Jan. 14.
- Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Method of and apparatus for furnace control. 1,765,977; June 24.
- Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Recording-switch mechanism. 1,770,918; July 2.
- Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Method of and apparatus for measuring. 1,784,522; Dec. 9.
- Harrison, Walton, New York, N. Y. Magnetic loading for twin conductors. 1,752,556; Apr. 1.
- Harrison, William H., jr., assignor to W. F. Hall Printing Company, Chicago, Ill. Tipping machine. 1,780,916; Nov. 11.
- Harriss, John A., New York, N. Y. Pedestrian-vehicular traffic signal light. Des. 81,536; July 8.
- Harriss, John A., New York, N. Y. Transit apparatus. 1,784,728; Dec. 9.
- Harritt, William W., Maywood, assignor of one-half to L. L. Keene, Pasadena, Calif. Method and plant for drying sewage sludge. 1,779,810; Oct. 28.
- Harrold, Charles W., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Plate clamp. 1,765,530; June 24.
- Harrold, Edward T., assignor to Hotchkiss Steel Products Company, Binghamton, N. Y. Wall form. 1,743,136; Jan. 14.
- Harrold, Edward T., assignor, by mesne assignments, to Hotchkiss Steel Products Co. Inc., Binghamton, N. Y. Curb and street form. 1,770,518; July 15.
- Harrold, George, Los Angeles, Calif. Adjustable curtain for automobiles. 1,750,888; Mar. 18.
- Harrop Ceramic Service Company, The. (See Hartford, Frank M., assignor.)
- Harry, Charles R., assignor to The J. B. Foote Foundry Company, Fredericktown, Ohio. Mold. 1,745,991; Feb. 4.
- Harry, Geoffrey M., assignor to Harnischfeger Corporation, Milwaukee, Wis. Hoe. 1,757,572; May 6.
- Harry, Geoffrey M., Milwaukee, and C. Sternberger, West Allis, assignors to Harnischfeger Corporation, Milwaukee, Wis. Operating mechanism for clutch and brake bands. 1,786,749; Dec. 30.
- Harry, Joshua B., Philadelphia, Pa. Distributor. 1,745,297; Jan. 28.
- Harshaw, William J., Shaker Heights, P. M. Savage, Elyria, and F. K. Bezenberger, Cleveland Heights, Ohio, assignors, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Anode and making same. 1,751,630; Mar. 25.
- Harshbarger, Asa F. (See Jacobs, C. H., and Harshbarger.)
- Harshberger, Norman P., Pasadena, Calif. Roofing material. 1,756,743; Apr. 29.
- Harshberger, Norman P., Chicago, Ill. Composition shingle. 1,759,901; May 27.
- Harshberger, Norman P., Chicago, Ill., assignor to The Barrett Company, New York, N. Y. Shingle. 1,770,693; July 15.
- Harshberger, Norman P., Pasadena, Calif., and R. P. Harshberger, South Bend, Ind.; said R. P. Harshberger assignor to said Norman P. Harshberger. Composition shingle. 1,756,741; Apr. 29.
- Harshberger, Norman P., Chicago, Ill., and R. P. Harshberger, South Bend, Ind.; said R. P. Harshberger assignor to Norman P. Harshberger. Shingle. 1,756,742; Apr. 29.
- Harshberger, Russell P. (See Harshberger, Norman P. and R. P.)
- Harshberger, Russell P., Chicago, Ill. Safety razor. 1,760,496; May 27.
- Harshman, Hubert H., Toronto, Ontario, Canada. Display cabinet or container for stationery. 1,770,519; July 15.
- Harson, Chester A., Newton, assignor to Sarasone Screen Company, Boston, Mass. Projection screen for motion pictures. 1,743,602; Jan. 14.
- Harstick, William H., Beloit, Wis. Order indicator. 1,776,433; Sept. 23.
- Hart, Albert, Ponders End, England. Electric conductor. 1,776,903; Sept. 30.
- Hart, Alexander, New York, N. Y. Clock frame. Des. 81,054; Apr. 29.
- Hart, Burchard L., San Diego, Calif. Automatic dash-light apparatus for automobiles. 1,748,221; Feb. 25.
- Hart-Carter Company. (See Carter, Clarence W., assignor.)
- Hart-Carter Company. (See Smith, Louis E., assignor.)
- Hart, Charles A., Jersey City, N. J. Safety bumper. 1,774,923; Sept. 2.
- Hart, Charles M., Waycross, Ga. Apparatus for molding plugs and the like. 1,756,193; Apr. 29.
- Hart, Dudley W., Denver, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Shank and bit punch. 1,777,306; Oct. 7.
- Hart, Frank, Los Angeles, Calif. Continuously-operating screen printing device. 1,771,627; July 29.
- Hart, Frank A., New York, N. Y. Condiment holder. 1,757,525; May 6.
- Hart, Frank A., and E. Askew, New York, N. Y. Condiment holder. 1,765,152; June 17.
- Hart, Frank R., Pacific Grove, Calif. Apparatus for flushing and dilating the urethral canal to facilitate the administering of radiant energy. 1,776,357; Sept. 23.
- Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,752,484; Apr. 1.

- Hart, Frederick A., New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y. Combined typewriting and computing machine. 1,754,679; Apr. 15.
- Hart, Frederick A., New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y. Combined typewriting and computing machine. 1,767,792; June 24.
- Hart, Frederick A., Hartford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Computing machine. 1,769,059; July 1.
- Hart, George H., West Hartford, Conn. Switch mechanism. 1,749,283; Mar. 4.
- Hart, Glenn A., assignor of one-half to B. L. Culver, Bell, Calif. Pitman. 1,765,832; June 24.
- Hart, Hannah M., Chicago, Ill. Hair-waving device. 1,768,055; June 24.
- Hart, Henry R., Montclair, N. J., assignor to A. G. Spalding & Bros., New York, N. Y. Extensible crotch for garments. 1,743,082; Jan. 7.
- Hart, Henry R., Montclair, N. J., assignor to A. G. Spalding & Bros., New York, N. Y. Aviator's helmet. 1,774,325; Aug. 26.
- Hart, Horace T., Detroit, Mich. Clamp. 1,748,602; Feb. 25.
- Hart, Hubert C., Unionville, Conn. Safety razor. 1,785,446; Dec. 16.
- Hart & Hutchinson Company, The. (See Anderson, Gustave H., assignor.)
- Hart, Julian D., Baltimore, Md. Variable-pressure bed or mattress. 1,772,310; Aug. 5.
- Hart, Lee, Independence, Mo. Poultry feeder. 1,759,352; May 20.
- Hart, Leslie J., assignor of one-fourth to C. Johnson, Valdosta, Ga. Filing cabinet. 1,786,112; Dec. 23.
- Hart, Marjorie, Vancouver, Wash. Egg holder. 1,759,398; May 20.
- Hart, Paul B., Maracaibo, Venezuela. Automatic blow-out preventer. 1,780,387; Nov. 4.
- Hart, Sidney H., Houston, Tex. Combination punching and eyeletting machine. 1,770,270; July 8.
- Hart, Simeon T., Syracuse, N. Y., assignor to The Prosperity Company, Inc. Pressing machine. Re17,619; Mar. 4.
- Hart, William E., San Jose, Calif. Liquid-fuel-feeding device for motor vehicles. 1,757,666; May 6.
- Hart, William J. (See Darrow, M. S., Hart, Gronemeyer, and Watkins.)
- Hartdorn, Louis G., Forest Hills, N. Y. Shutter-operating device for automobile radiators. 1,775,344; Sept. 9.
- Harten, John J., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Vertical shaping machine. 1,745,573; Feb. 4.
- Harter, Charles, University City, Mo. Pipe clamp. 1,749,135; Mar. 4.
- Harter, Evan C. (See Ferris, W. S., and Harter.)
- Harter, Evan C., Sturgis, Mich. Seat structure. 1,751,152; Mar. 18.
- Harter, Evan C., Sturgis, Mich. Securing means for lapped elements. 1,787,108; Dec. 30.
- Harter, Evan C., Sturgis, Mich., assignor to W. S. Ferris, trading as Do More Chair Company, Elkhart, Ind. Chair. 1,779,935; Oct. 28.
- Harter, Hans, Wurzburg, Germany. Apparatus for carrying out exothermic catalytic gas reactions. 1,779,092; Oct. 21.
- Harter, Harvey, Paterson, assignor, by mesne assignments, of forty-nine-hundredths to J. McGowan, Camden, N. J. Intermittent grip device for copyholders. 1,786,344; Dec. 23.
- Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Soot cleaner for boilers. 1,745,484; Feb. 4.
- Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heater. 1,745,485; Feb. 4.
- Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,776,505; Sept. 23.
- Harter, Laban W., Niles, Mich. Step stool. 1,746,589; Feb. 11.
- Harter, Mary, Thurston, Ohio. Fruit picker. 1,767,977; June 24.
- Harter, Noah S., Waukegan, Ill. Triangular-mesh fabric. 1,759,256; May 20.
- Harter, Noah S., assignor to Champion Folding Furniture Company, Waukegan, Ill. Automatically-folding bed-bottom fabric. 1,758,830; May 13.
- Harter, Ralph W., De Witt, Mich. Cattle poke. 1,767,284; June 24.
- Harter, Rollin E., Greenville, and G. McNally, New Castle, Pa. Cream cooler. 1,772,145; Aug. 5.
- Hartford-Empire Company. (See Barker, William T., Jr., assignor.)
- Hartford-Empire Company. (See Black, Harold M., assignor.)
- Hartford-Empire Company. (See Budd, Clinton S., assignor.)
- Hartford-Empire Company. (See Canfield, Robert W., assignor.)
- Hartford-Empire Company. (See Hatch, Roswell F., assignor.)
- Hartford-Empire Company. (See Hiller, Everett O., assignor.)
- Hartford-Empire Company. (See Hiller, E. O., and Lorenz, assignors.)
- Hartford-Empire Company. (See Honiss, William T., assignor.)
- Hartford-Empire Company. (See Howard, George E., assignor.)
- Hartford-Empire Company. (See Hunter, Alfred R., assignor.)
- Hartford-Empire Company. (See Ingle, Henry W., assignor.)
- Hartford-Empire Company. (See Lorenz, Edward H., assignor.)
- Hartford-Empire Company. (See Mathé, Aimé, assignor.)
- Hartford-Empire Company. (See Mayers, Wilbur S., assignor.)
- Hartford-Empire Company. (See Miller, William J., assignor.)
- Hartford-Empire Company. (See Parham, Sidney F., assignor.)
- Hartford-Empire Company. (See Peiler, Karl E., assignor.)
- Hartford-Empire Company. (See Rankin, Carl H., assignor.)
- Hartford-Empire Company. (See Rendall, William S., assignor.)
- Hartford-Empire Company. (See Schroder, John E., assignor.)
- Hartford-Empire Company. (See Steelman, Merton A., assignor.)
- Hartford-Empire Company. (See Tucker, O. M., and Reeves, assignors.)
- Hartford-Empire Company. (See Wardley, T., and Renn., assignors.)
- Hartford-Empire Company. (See Westin, D. B., and Ingle, assignors.)
- Hartford-Empire Company. (See Willetts, Paul G., assignor.)
- Hartford, Frank M., assignor to The Harrop Ceramic Service Company, Columbus, Ohio. Method and apparatus for drying or roasting clay, carbon, or other products. 1,773,675; Aug. 19.
- Hartford Special Machinery Company. (See Standish, Edward K., assignor.)
- Harth, C. A. (See Nordgran, James C., assignor.)
- Harth, Philip E. (See Ferguson, G. M., and Harth.)
- Hartinger, Hans, Jena, assignor, by mesne assignments, to Zeiss Ikon A.-G., Berlin, Germany. Bell-shaped reflector for illuminating show windows. 1,759,307; May 20.
- Hartinger, Hans, assignor to the firm Carl Zeiss, Jena, Germany. Appliance for examination of the eyes. 1,764,870; June 17.
- Hartle, Louis J., Pittsburgh, Pa. Leer. 1,775,281; Sept. 9.
- Hartley, Arthur J., Peoria, Ill. Grain-cleaning device. 1,774,710; Sept. 2.
- Hartley, Bernard H., Lewistown, Pa. Whistle. 1,765,153; June 17.
- Hartley, Calvin G., Roanoke, Ind. Cooling device for hydrocarbon engines. 1,778,527; Oct. 14.
- Hartley, Ellis, assignor to Whitin Machine Works, Whitinsville, Mass. Spinning-ring traveler. 1,746,154; Feb. 4.
- Hartley, Henry J., assignor to Nichols Copper Company, New York, N. Y. Roasting-furnace construction. 1,760,694; May 27.
- Hartley, Henry J., assignor to Nichols Copper Company, New York, N. Y. Treating fuller's earth and the like. 1,768,465; June 24.
- Hartley, Lee R., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Control and signal apparatus for liquid dispensers. 1,747,509; Feb. 18.
- Hartley, Lee R., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Interlocking and signal mechanism for liquid dispensers. 1,747,510; Feb. 18.
- Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrooptical system. 1,742,912; Jan. 7.
- Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Controlling the frequency of an alternating current. 1,743,670; Jan. 14.
- Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Secrecy system. 1,752,485; Apr. 1.
- Hartley, Ralph V. L., South Orange, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Magnetic device. 1,752,486; Apr. 1.
- Hartley, Ralph V. L., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,762,981; June 10.
- Hartley, Ralph V. L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Synchronizing, regulating, and controlling receivers and generators. 1,774,003; Aug. 26.
- Hartley, Ralph V. L., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 1,786,652; Dec. 30.
- Hartman, Albert F., Saginaw, Mich. Signaling device. Des. 80,623; Mar. 4.
- Hartman, Carl W., Lyngby, near Copenhagen, Denmark. Filling machine. 1,770,470; July 15.
- Hartman, Edward, assignor to Sandwich Manufacturing Co., Sandwich, Ill. Portable grain elevator. 1,784,872; Dec. 16.
- Hartman, Emanuel W., Phoenix, Ariz. Condenser. 1,783,286; Dec. 2.

- Hartman, Frank E. (See Jarratt, W. J., and Hartman.)
Hartman, George, Cincinnati, Ohio. Control device for pasting devices. 1,776,069; Sept. 16.
- Hartman, George F., Rosedale, Md., assignor to Continental Can Company, Inc., New York, N. Y. Machine for coating can ends. 1,748,127; Feb. 25.
- Hartman, Glen E. (See Scruby, G. E., and Hartman.)
Hartman, Jacob, Cleveland Heights, Ohio. Sink bucket. 1,765,267; June 17.
- Hartman, Louis H., Toledo, Ohio, assignor by mesne assignments, to Bates Valve Bag Corporation, New York, N. Y. Automatic bag-filling machine. Re17,816; Sept. 30.
- Hartman, Milton, G. L. Ohmart, and T. H. Hawkinson, assignors to Localized Advertising Corporation, Detroit, Mich. Display apparatus. 1,762,685; June 10.
- Hartman, Walter S., Calumet City, Ill. Bowling alley. 1,782,849; Nov. 25.
- Hartman, William H., assignor to Jones and Hartman, Inc., Canton, Ohio. Separator for pulverized material. 1,770,850; July 15.
- Hartman, William O., assignor to Welch-Hartman Co., St. Louis, Mo. Swing. 1,768,905; July 1.
- Hartman, William O., assignor to Welsh-Hartman Co., St. Louis, Mo. Flexible handrail and support therefor. 1,782,895; Nov. 25.
- Hartman, William W. (See Steps, R. A., and Hartman.)
Hartman, William W., Los Angeles, Calif. Well-drilling bit. 1,746,423; Feb. 11.
- Hartmann, Anton. (See Nischke, Henry, assignor.)
Hartmann, August, Montclair, assignor to Spratts' Patent, America, Limited, Newark, N. J. Exhibition bench. 1,784,438; Dec. 9.
- Hartmann & Braun Aktiengesellschaft. (See Bestelmeyer, Adolf, assignor.)
Hartmann, Carl W., Copenhagen, Denmark. Carton. 1,775,027; Sept. 2.
- Hartmann, Erich, and M. Hardtmann, Wiesdorf-on-the-Rhine, and P. Kümme, Leverkusen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Protecting wool, fur, rugs, and the like against the attack of moths and products thereof. 1,744,633; Jan. 21.
- Hartmann, Erich, M. Hardtmann, Wiesdorf-on-the-Rhine, and P. Kummel, Leverkusen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Protecting wool, fur, rugs, and like against the attack of moths and product thereof. 1,766,819; June 24.
- Hartmann, Günther, Vietz, Germany. Drying frame with transverse laths. 1,760,056; May 27.
- Hartmann, Max, Riehen, near Basel, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Cellulose ether and making. 1,777,970; Oct. 7.
- Hartmann, Max, Riehen, near Basel, and W. Klarer, Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Treatment of metals with acid liquors. 1,778,634; Oct. 14.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. High-pressure steam-boiler plant with generation of steam by indirect heating. 1,743,451; Jan. 14.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-G. m. b. H., Cassel-Wilhelmshöhe, Germany. Water-tube boiler with steam-superheater. 1,768,056; June 24.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-G. m. b. H., Cassel-Wilhelmshöhe, Germany. Boiler generating steam according to the indirect method. 1,768,057; June 24.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Cassel-Wilhelmshöhe, Germany. Superheating of interstage steam. 1,768,058; June 24.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. Superheating in high-pressure locomotives. 1,768,319; June 24.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. High-pressure locomotive. 1,768,320; June 24.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. Apparatus for controlling the working steam in high-pressure locomotives. 1,768,321; June 24.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Cassel-Wilhelmshöhe, Germany. Multipressure boiler installation. 1,783,842; Dec. 2.
- Hartmann, Otto H., Cassel-Wilhelmshöhe, and W. Jung, Kassel, assignors to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. Locomotive boiler. 1,768,198; June 24.
- Hartmann, Otto H., and H. Peperkorn, assignors to Schmidt'sche Heissdampf-G. m. b. H., Cassel-Wilhelmshöhe, Germany. Marine boiler. 1,754,167; Apr. 8.
- Hartmann, Otto H., and R. Uhde, assignors to Schmidt'sche Heissdampf-G. m. b. H., Cassel-Wilhelmshöhe, Germany. High-pressure steam generator. 1,768,448; June 24.
- Hartmann, Otto H., Cassel-Wilhelmshöhe, and F. Wempe, Cassel, assignors to Schmidt'sche Heissdampf, G. m. b. H., Cassel-Wilhelmshöhe, Germany. Process and apparatus for regulating multistage steam engines of the high-pressure type. 1,759,452; May 20.
- Hartmann Trunk Company. (See Emery, Charles H., assignor.)
Hartmann, Willi, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Producing 1-benzoylamino-4-chloroanthraquinone. 1,772,311; Aug. 5.
- Hartness, James, Springfield, Vt. Cradle carriage for comparators. 1,745,537; Feb. 4.
- Hartog, Stephen D., St. Louis, Mo., assignor to H. J. Hater, Cincinnati, Ohio. Connecting rod. 1,770,644; July 15.
- Hartry, Earl P., Detroit, Mich., assignor of one-half to R. Sabor, Minneapolis, Minn. Automobile body. Des. 80,417; Jan. 28.
- Hartstoft-Metall Aktiengesellschaft (Hametag). (See Podszus, Emil, assignor.)
Hartwell, Benjamin F. (See Bartlett, F. M., and Hartwell.)
Hartwell, Mabel, Lake Geneva, Wis. Combined reading guide and bookmark. 1,767,177; June 24.
- Hartwell, Ralf L., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Filter medium and body formed therefrom. 1,774,232; Aug. 26.
- Hartwell, Ralf L., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Abrasive medium. 1,779,771; Oct. 28.
- Hartwick, Frederick H., and H. C. Arnold, Columbus, Ohio. Projector lamp. 1,763,517; June 10.
- Hartwig, Julius P., Minneapolis, Minn. Steering mechanism for trailers. 1,777,562; Oct. 7.
- Harty, William A., Buffalo, N. Y., and F. W. Moore, Thorold, Ontario, Canada, assignors to Harmor & Co. Inc., Buffalo, N. Y. Rotary drier. 1,787,197; Dec. 30.
- Hartz, Barge L., Elyria, Ohio. System for holding milk. 1,749,535; Mar. 4.
- Hartzell, Albert, assignor to Boyce-Thompson Institute for Plant Research, Inc., Yonkers, N. Y. Insecticide and method of production. 1,781,841; Nov. 18.
- Hartzell, Albert, and F. H. Lathrop, Geneva, N. Y., assignors to W. C. O'Kane, Durham, N. H., and Paul Moore, Washington, D. C., trustees of Crop Protection Institute. Sulphur emulsion and insecticide containing the same. 1,772,511; Aug. 12.
- Hartzell, Earl F., Cuyahoga Falls, assignor of forty-nine per cent to G. H. Landwehr, Akron, Ohio. Spring cover, spring sleeve, and lubricator. 1,774,647; Sept. 2.
- Hartzell, Herman L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,753,604; Apr. 8.
- Hartzell Industries, Inc. (See Charavay, Frederick, assignor.)
Hartzell, Max W., Woodland, Calif. Computator card holder. 1,765,668; June 24.
- Hartzler, Melvin E., Downers Grove, and E. P. Romilly, Chicago, Ill. Upright highway marker. 1,755,443; Apr. 22.
- Hartzler, Melvin E., Downers Grove, and T. H. Ferguson, Oak Park, Ill.; said Ferguson assignor to said Hartzler. Yielding upright traffic marker. 1,766,073; June 24.
- Hartzler, Melvin E., Downers Grove, and E. P. Romilly, Chicago, Ill. Flexible upright marker. 1,778,110; Oct. 14.
- Harvel Corporation, The. (See Harvey, Mortimer T., assignor.)
Harvel Corporation, The. (See Hughes, Edward R., assignor.)
Harvey, Albert L., La Grange, Ill., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,768,760; July 1.
- Harvey, Aro M., Kansas City, Mo. Ironing board. 1,782,421; Nov. 25.
- Harvey, Arthur H., Elizabeth, assignor to Bowen Research Corporation, Westfield, N. J. Desiccating apparatus. 1,745,168; Jan. 28.
- Harvey, Arthur R., Middletown, Ohio. Apparatus for the automatic determination of moisture in paper or textile webbing. 1,746,937; Feb. 11.
- Harvey, Charles W. (See Anton, F. A., and Harvey.)
Harvey, Earl, Wall, Pa. Antiskid device. 1,776,728; Sept. 23.
- Harvey, Edward W., New Brunswick, N. J., assignor to The Barrett Company. Ammonium salt. Re17,756; July 29.
- Harvey, George F., Victoria, British Columbia, Canada. Trolling spoon. 1,755,647; Apr. 22.
- Harvey, Harold C., Trenton, assignor to The Agasote Millboard Company, Ewing Township, N. J. Enamelled sheet steel. 1,776,116; Sept. 16.
- Harvey, Harold C., and H. L. Becher, Trenton, N. J., assignors to The Agasote Millboard Company, Ewing Township, N. J. Resin-coated pulpboard. 1,763,653; June 17.
- Harvey, Harold C., Ewing Township, and H. L. Becher, Hamilton Township, Mercer County, assignors to The Agasote Millboard Company, Ewing Township, N. J. Resin-coated pulp board. 1,776,790; Sept. 30.
- Harvey, Harry D. (See Andrews, John H. P., assignor.)
Harvey, Harry E., Cleveland Heights, assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Pipe-bending machine and method. 1,775,760; Sept. 16.
- Harvey, Harry E., assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Bending pipe. 1,775,762; Sept. 16.

- Harvey, Harry E., and E. K. Holmes, assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Pedestal-bending machine. 1,750,103; Mar. 11.
- Harvey, Harry E., and E. K. Holmes, assignors, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Automatic air clamp and release for tubular benders. 1,775,761; Sept. 16.
- Harvey, Ivan L., assignor of one-third to F. C. Swartz and M. G. Swartz and one-third to N. P. McCabe, Los Angeles, Calif. Cream separator. 1,775,642; Sept. 16.
- Harvey, James W., Falmouth Foreside, Me. Marine propulsion. 1,786,997; Dec. 30.
- Harvey, Jane C., Miami, Fla. Hat holder. 1,782,302; Nov. 18.
- Harvey, Leo M., Los Angeles, Calif. Wire-tying machine. 1,743,855; Jan. 14.
- Harvey, Leo M., Los Angeles, Calif. Gripper for box-strapping mechanism. 1,759,257; May 20.
- Harvey, Leo M., Los Angeles, Calif. Tie for metal straps. 1,783,239; Dec. 2.
- Harvey, Louis B., Sacramento, Calif. Internal-combustion motor. 1,754,389; Apr. 15.
- Harvey, Mary J., executrix. (See Harvey, William F., assignor.)
- Harvey, Minor. (See Bayard, M. L., and Harvey.)
- Harvey, Mortimer T., New York, N. Y., assignor to The Harvel Corporation. Rubberlike substance from cashew-nut-shell oil and producing the same. 1,771,785; July 29.
- Harvey, Mortimer T., East Orange, assignor to The Harvel Corporation, Newark, N. J. Composition and method and steps for making and using the same. 1,771,786; July 29.
- Harvey, Roy W., Chicago, Ill. High and low audio frequency amplification control. 1,761,626; June 3.
- Harvey, Tom, Middletown, Ohio. Apparatus for manufacturing paper. 1,752,079; Mar. 25.
- Harvey, William D., assignor to American Steel Products Co., Macomb, Ill. Coal-burning brooder. 1,758,155; May 13.
- Harvey, William D., assignor to American Steel Products Co., Macomb, Ill. Oil burner. 1,763,779; June 17.
- Harvey, William F., deceased, Lima, N. Y.; M. J. Harvey, executrix. Manufacturing insulators. 1,779,811; Oct. 28.
- Harwick, Henry K. (See Krauss, C. F., and Harwick.)
- Harwick, Henry K., Darby, Pa. Locomotive center plate. 1,745,215; Jan. 28.
- Harwick, Henry K., Darby, Pa. Locomotive center plate. 1,759,695; May 20.
- Harwick, Henry K., Darby, Pa. Locomotive smoke-box front. 1,771,921; July 29.
- Harwick, Henry K., Darby, Pa. Steam pipe for locomotives. 1,782,346; Nov. 18.
- Harwick, Henry K., Darby, Pa. Locomotive-boiler support. 1,785,626; Dec. 16.
- Harwood, Mark P., and C. W. McKinley, assignors to A C Spark Plug Company, Flint, Mich. Oil filter. 1,761,915; June 3.
- Harwood, Paisley B., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electrically-operated skip hoists. 1,771,255; July 22.
- Harzer Achenwerke, G. m. b. H., Bornum Am Harz. (See Ahrens, Fritz, assignor.)
- Hasbrouck, Augustus, New Haven, Conn. Removable valve cage for internal-combustion engines. 1,760,497; May 27.
- Hasbrouck, Louis B. (See Garey, J. P., and Hasbrouck.)
- Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Yarn cleaner. 1,773,485; Aug. 19.
- Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Yarn cleaner. 1,773,486; Aug. 19.
- Hasche, Rudolph L., Elizabeth, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Separation and recovery of gases. 1,758,398; May 13.
- Hase, Rudolf, Hanover, Germany. Device for measuring the temperature of hot fluids. 1,761,392; June 3.
- Hasegawa, Masao, Santa Rosa, Calif. Circuit-controlling device. 1,766,993; June 24.
- Haseloff, Otto, New York, N. Y. Self-adjustable valve. 1,775,999; Sept. 16.
- Haselow, Frederick H., and C. Redig, Milwaukee, Wis. Vibratory screen. 1,783,617; Dec. 2.
- Haseltine, Stacy B. (See Johnson, G. A., and Haseltine.)
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Shock-absorbing mechanism especially adapted for draft rigging of railway cars. 1,746,831; Feb. 11.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Door-operating mechanism. 1,747,511; Feb. 18.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Coupler. 1,747,512; Feb. 18.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Coupler and yoke connection. 1,751,150; Mar. 18.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,751,151; Mar. 18.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Door-operating mechanism. 1,755,580; Apr. 22.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Door-operating mechanism. 1,755,581; Apr. 22.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,755,582; Apr. 22.
- Haseltine, Stacy B., assignor, by mesne assignments, to W. H. Miner, Inc., Chicago, Ill. Door-operating mechanism. 1,761,208; June 3.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Drawbar and yoke connection. 1,762,333; June 10.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Door-operating mechanism. 1,764,443; June 17.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,764,444; June 17.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,764,445; June 17.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,764,446; June 17.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,765,833; June 24.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,766,630; June 24.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,766,631; June 24.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,769,688; July 1.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,769,689; July 1.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,769,690; July 1.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,769,691; July 1.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,769,692; July 1.
- Haselton, Philip H., East Orange, N. J., and M. A. Jenckes, Providence, R. I., assignors to Detex Watchclock Corporation, New York, N. Y. Supervisory mechanism. 1,786,013; Dec. 23.
- Hasemann, Friedrich, Essen-Ruhr, Germany. Device for regulating flow of fluids. 1,756,824; Apr. 29.
- Hasemann, John L., Caldwell, assignor to American Flexible Shaft Manufacturing Corporation, Newark, N. J. Casing for flexible shafts. 1,785,345; Dec. 16.
- Hasenstab, Bernhard, assignor to La Salle Metal Arts Corporation, Buffalo, N. Y. Wall plate for an electric-light fixture. Des. 80,376; Jan. 21.
- Hasenstab, Bernhard, assignor to La Salle Metal Arts Corporation, Buffalo, N. Y. Ceiling plate for an electric-light fixture. Des. 80,377; Jan. 21.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric-light ceiling fixture. Des. 80,378; Jan. 21.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric-light fixture. Des. 80,379; Jan. 21.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Brace for an electric-light fixture. Des. 81,187; May 20.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Brace for an electric-light fixture. Des. 81,188; May 20.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Medallion for an electric-light fixture. Des. 81,189; May 20.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall bracket for an electric lamp. Des. 81,279; June 3.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall bracket for an electric lamp. Des. 81,280; June 3.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall bracket for an electric lamp. Des. 81,281; June 3.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric-light fixture. Des. 81,282; June 3.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric-light fixture. Des. 81,283; June 3.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall plate for an electric-light fixture. Des. 81,791; Aug. 12.
- Hasenstab, Bernhard, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Body element for an electric-light fixture. Des. 81,792; Aug. 12.
- Hashfield, Morris. (See Allbook, H., and Hashfield.)
- Hashimoto, Takichi, Kamakura-Gun Kanagawa, Japan. Steam-pressure cooker. 1,765,072; June 17.
- Hashimoto, Tokujiro, Tokyo, Japan. Manufacturing toilet material. 1,756,152; Apr. 29.
- Haskel, Isidore. (See Inwald, J., and Haskel.)
- Haskel, S., & Sons, Inc. (See Inwald, J., and Haskel, assignors.)
- Haskelite Manufacturing Corporation. (See Meyercord, George R., assignor.)
- Haskelite Manufacturing Corporation. (See Meyercord, G. R., and Curran, assignors.)
- Haskelite Manufacturing Corporation. (See Meyercord, G. R., and Norris, assignors.)
- Haskelite Manufacturing Corporation. (See Meyercord, G. R., and Worthington, assignors.)
- Haskelite Manufacturing Corporation. (See Norris, Charles B., assignor.)
- Haskell, Charles R., Youngstown, assignor to Haskell Corporation, Niagara Falls, N. Y. Machine for manufacturing tubular farinaceous rolls. 1,742,703; Jan. 7.
- Haskell Corporation. (See Haskell, Charles R., assignor.)
- Haskell, David I., Brookline, Mass. Shoe. Des. 81,331; June 10.
- Haskell, David I., Brookline, Mass. Shoe. 1,763,605; June 10.

- Haskell, Frederick F., Arlington, assignor to Apexcon Company, Jamaica Plain, Mass. Window screen. 1,773,731; Aug. 26.
- Haskell, George D., Boston, assignor to Baush Machine Tool Company, Springfield, Mass. Airplane. 1,771,847; July 29.
- Haskell, John D., et al. (See Johnson, Frank A., assignor.)
- Haskell, John D., assignor to Dilts Machine Works, Inc., Fulton, N. Y. Pulp-working apparatus. 1,747,545; Feb. 18.
- Haskell, Richard M., Bradford, Pa., assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Method and apparatus for flowing or pumping wells. 1,754,945; Apr. 15.
- Haskell, Richard M., Bradford, Pa., assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Well-flowing apparatus. 1,754,946; Apr. 15.
- Haskell, Robert J., Washington, D. C. Airplane. 1,743,967; Jan. 14.
- Haskin, Walter E. assignor to Pressed & Welded Steel Products Company, Inc., New York, N. Y. Binder. 1,767,978; June 24.
- Haskins, Butler J., Chicago, Ill., assignor to Joseph Weidenhoff, Incorporated. Mechanism for testing ignition of automobiles. 1,748,417; Feb. 25.
- Haskins, Howard B. (See Graff, G., Haskins, and Gunther.)
- Haskins, Howard B. (See Rickel, C. E., Cramer, and Haskins.)
- Haskins, Howard B., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Retainer for window regulators. 1,753,703; Apr. 8.
- Hasler A. G., vormals Telegraphenwerk-statte von G. Hasler. (See Kohler, Ulrich, assignor.)
- Haslam, William H., London, England. Apparatus for drying moisture-laden materials. 1,779,470; Oct. 28.
- Haslett, Elmer, Sausalito, Calif. Liquid-treating device. 1,774,004; Aug. 26.
- Haslup, Dodson, Grafton, W. Va. Display cabinet. 1,766,632; June 24.
- Haspel, Harry S., et al. (See Haspel, Joseph, assignor.)
- Haspel, Joseph, assignor of one-third to H. S. Haspel and one-third to W. Haspel, New Orleans, La. Garment sleeve. 1,761,886; June 3.
- Haspel, William, et al. (See Haspel, Joseph, assignor.)
- Hasse, Frank C., La Grange, and I. Allison, Forest Park, Ill., assignors to Oxweld Railroad Service Company. Combination tie plate. 1,779,212; Oct. 21.
- Hassel, Gustav A., McKeesport, assignor to Pittsburgh Steel Foundry Corporation, Glassport, Pa. Annealing pot. 1,747,298; Feb. 18.
- Hasselbach, Alexander, assignor to the firm G. Polysius, Dessau, Germany. Refractory material. 1,744,547; Jan. 21.
- Hasselbach, Alexander, and F. Inther, assignors to G. Polysius, a firm of Dessau, Germany. Apparatus for burning coal dust. 1,762,982; June 10.
- Hasselblad, Carl G., Grosse Pointe, and A. J. Catellier, Detroit, Mich. Coating sausages and smoked or cooked meats. 1,765,485; June 24.
- Hasselbring, John, jr., New York, N. Y., assignor to Royalty Holding Corporation, Brooklyn, N. Y. Starter for internal-combustion engines. 1,763,702; June 17.
- Hasselbring, John, jr., Woodhaven, assignor to Royalty Holding Corporation, Brooklyn, N. Y. Starter for internal-combustion engines. 1,783,015; Nov. 25.
- Hasselkus, John W., and G. A. Richmond, London, England. Objective suitable for photographic purposes. 1,777,262; Sept. 30.
- Hasselkus, William E. B., Jamaica, assignor to International Motor Company, New York, N. Y. Reclining chair. 1,765,071; June 17.
- Hasselquist, Albert A., and I. H. M. Rognlie, Elgin, Ill. Valve. 1,786,750; Dec. 30.
- Hassensall, Louis W., Toledo, Ohio. Carbon-dioxide-snow compressor. 1,768,059; June 24.
- Hassinger, Louis. (See Trageser, A. H., and Hassinger.)
- Hassink, Albert, Cleveland, Ohio. Arch support. 1,775,957; Sept. 16.
- Hassler Manufacturing Co. (See Weber, Henry E., assignor.)
- Hassler, Paul M., assignor to The Loudon Machinery Company, Fairfield, Iowa. Stop for overhead carrying equipment. 1,774,233; Aug. 26.
- Hassman, Edward, Fleming, Colo. Corn gatherer. 1,782,067; Nov. 18.
- Hastedt, Johann F., Buxtehude, Germany. Machine for making dough ware. 1,772,995; Aug. 12.
- Hasterman, Arch. (See Anderson, William M., assignor.)
- Hasterok, Gerald J., and H. Tennes, Chicago, Ill. Musical-instrument holder. 1,774,096; Aug. 26.
- Hasting, Homer, Detroit, Mich. Twin-body tire valve. 1,760,551; May 27.
- Hasting, Homer, Detroit, Mich. Air pump. 1,772,717; Aug. 12.
- Hastings, Herbert, Brighton, N. Y. Combined liquid level and pressure gauge. 1,786,566; Dec. 30.
- Hastings, Herbert H. (See Swain, J. H., and Hastings.)
- Hastings, Horace E., Henry, Tenn. Backstrap buckle for harness. 1,772,831; Aug. 12.
- Hastings, James E., Athol, Mass. Feeler gauge. 1,779,812; Oct. 28.
- Hastings, Loyd V., Kingsley, Iowa. Emasculator. 1,772,421; Aug. 5.
- Hastings, Walter M., Methuen, Mass. Clearer and slub catcher for textile machines. 1,784,141; Dec. 9.
- Hasty-Johnson Corporation. (See Hasty, Otis R., assignor.)
- Hasty, Otis R., assignor to Hasty-Johnson Corporation, Elgin, Ill. Drive for rotating brushes, wheels, etc. 1,760,843; May 27.
- Haswell, Arthur J., London, England, assignor to Otis Elevator Company, New York, N. Y. Preventing radio-interference from electric motors. 1,771,438; July 29.
- Hatch, Alexander G., Farmington, assignor to The Sesamee Company, Hartford, Conn. Permutation lock. 1,781,510; Nov. 11.
- Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Making fan guards. 1,743,999; Jan. 14.
- Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Coating machine. 1,746,530; Feb. 11.
- Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Poultry coop or crate. 1,754,947; Apr. 15.
- Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Electric welding machine. 1,754,948; Apr. 15.
- Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Coating machine. 1,756,744; Apr. 29.
- Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Ice-cube tray for refrigerators. 1,764,787; June 17.
- Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Fan guard. 1,764,788; June 17.
- Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Separator. 1,785,346; Dec. 16.
- Hatch, Chauncey R. (See Hoffman, Otto C., assignor.)
- Hatch, George H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Channel-opening machine. 1,757,189; May 6.
- Hatch, Hugh B., assignor, by mesne assignments, to Florida Citrus Machinery Company, Dunedin, Fla. Rubbing apparatus. 1,777,039; Sept. 30.
- Hatch, John L., assignor of one-half to R. J. Bailey, Belleville, Ark. Apparatus for distributing fertilizer. 1,742,350; Jan. 7.
- Hatch, Meredith R. (See Dorman, N. W., Schloz, and Hatch.)
- Hatch, Roswell F., West Hartford, assignor to Hartford Empire Company, Hartford, Conn. Glass-fabricating machine. 1,745,794; Feb. 4.
- Hatch, Walter E., Toledo, Ohio. Tourniquet. 1,743,452; Jan. 14.
- Hatch, William E., assignor to St. Joseph Iron Works, St. Joseph, Mich. Basket-making method and means. 1,770,613; July 15.
- Hatcher, Elder N., Manchester, Ga. Picker-stick parallel motion. 1,772,808; Aug. 12.
- Hatcher, Ernest C., Northwood, England, assignor to J. Stone & Company, Limited, Deptford, England. Power-transmission gearing for the running axles of vehicles. 1,772,748; Aug. 12.
- Hatcher, James L., U. S. Army, Winchester, Va. Gun. 1,744,162; Jan. 21.
- Hatcher, James L., United States Army, Winchester, Va. Muzzle attachment for guns. 1,770,471; July 15.
- Hatcher, James L., Brooks Field, Tex. Rear light. 1,756,685; Apr. 29.
- Hatcher, Julian S., Philadelphia, Pa. Cartridge case. 1,753,413; Apr. 8.
- Hatchett, Andrew H., sr., Cleveland, Ohio. Brush. 1,783,788; Dec. 2.
- Hater, Harry J. (See Beckmann, Melbourne A., assignor.)
- Hater, Harry J. (See Hartog, Stephen D., assignor.)
- Hater, Harry J. (See Redmond, Harold A., assignor.)
- Hater, Harry J., Cincinnati, Ohio. Piston. 1,764,871; June 17.
- Hater, Harry John, Cincinnati, Ohio. Piston. 1,769,835; July 1.
- Hatfield-Crabbe Company, The. (See Hatfield, M. J., and Crabbe, assignors.)
- Hatfield, Frank A., assignor of fifty-one per cent to W. H. Logan and forty-nine per cent to E. R. Wolcott, Los Angeles, Calif. Apparatus for pumping liquids. 1,752,739; Apr. 1.
- Hatfield, Maurice J., and E. W. Crabbe, assignors to The Hatfield-Crabbe Company, Bridgeport, Conn. Hydraulic jacking system. 1,772,938; Aug. 12.
- Hatfield, Paul L., assignor to G. V. Winston, trustee, Wichita, Kans. Grease gun. 1,743,968; Jan. 14.
- Hatfield, Percy W., assignor to Winship, Boit & Co., Wakefield, Mass. Label-sewing machine. 1,785,412; Dec. 16.
- Hatfield, Schuyler C., Baltimore, Md. Resilient disk wheel. 1,783,469; Dec. 2.
- Hatfield, Schuyler C., Baltimore, Md. Resilient wheel. 1,787,071; Dec. 30.
- Hathaway, Edgar F. (See Hall, B., and Hathaway.)
- Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Dorchester, Mass. Yarn carrier or tube frame. 1,760,271; May 27.
- Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Variable-speed-transmission device. 1,765,268; June 17.

- Hathaway, Edgar F., Wellesley, and W. Bixby, assignors to Shawmut Engineering Company, Boston, Mass. Weft needle. 1,760,831; May 27.
- Hathaway, Edward H. (See Griffith, W. S., and Hathaway.)
- Hathaway, Starke R., Athens, Ohio. Apparatus for measuring psychogalvanic responses. 1,761,476; June 3.
- Hatheway, William E., Bridgeport, Conn. Buckle. 1,774,057; Aug. 26.
- Hathorn, Dennie A., Irwin, Nebr. Muskrat hook. 1,772,512; Aug. 12.
- Hathorne, George A., Gloversville, N. Y. Nonskid device. 1,786,653; Dec. 30.
- Hatley, Fred J., Blue Mound, Ill. Basket-ball retriever. 1,765,269; June 17.
- Hatmaker, William T., and E. E. Eickmeyer, assignors to The National Recording Pump Company, Dayton, Ohio. Registering mechanism. 1,748,344; Feb. 25.
- Hatton, Edward J. (See Booraem, J. F., and Hatton.)
- Hatton, Samuel W., Villa Park, N. Y. Acoustic diaphragm. 1,763,780; June 17.
- Hattori, Kenzo, Saitama-Ken, Japan. Preparing emulsions. 1,752,176; Mar. 25.
- Haub, George R., Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Method and apparatus for severing molten glass. 1,748,550; Feb. 25.
- Haub, George R., Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Method and apparatus for severing molten glass. 1,775,199; Sept. 9.
- Haubert, Leo, Tulsa, assignor of one-eighth to L. L. Roller, Muskogee, Okla. Load binder. 1,758,039; May 13.
- Haubert, Leo, assignor of one-eighth to L. L. Roller, Tulsa, Okla. Combination hook. 1,758,744; May 13.
- Haubert, Leo, assignor of one-eighth to L. L. Roller, Tulsa, Okla. Load binder. 1,758,831; May 13.
- Haubert, Leo, assignor of one-third to J. C. Bennett and one-third to J. A. Wolfe, Tulsa, Okla. Power-delivering attachment for tractors. 1,761,828; June 3.
- Hauck, Albert, Jewett, Ohio. Peanut roaster and corn popper. 1,747,239; Feb. 18.
- Hauck Manufacturing Company. (See Elze, Walter C., assignor.)
- Hauelsen, Batist R., assignor to Metals Protection Corporation, Indianapolis, Ind. Plating process. 1,774,269; Aug. 26.
- Hauenstein, John, Kansas City, Mo. Adjustable flash-light support. 1,771,754; July 29.
- Haug, Anton J., Nashua, N. H. Pulp-screening machine. 1,742,592; Jan. 7.
- Haug, Anton J., Nashua, N. H. Method of and apparatus for screening pulp. 1,755,162; Apr. 15.
- Haug, Anton J., Nashua, N. H. Process and machine for thickening pulp. 1,756,194; Apr. 29.
- Haug, Herman, New York, N. Y., assignor to Rosemary Mfg. Co., Roanoke Rapids, N. C. Textile panel for a mattress covering. Des. 82,936; Dec. 30.
- Haug, Herman, New York, N. Y., assignor to Rosemary Mfg. Co., Roanoke Rapids, N. C. Textile panel for a mattress covering. Des. 82,884; Dec. 23.
- Haug, Herman, New York, N. Y., assignor to Rosemary Mfg. Co., Roanoke Rapids, N. C. Textile panel for a mattress covering. Des. 82,885; Dec. 23.
- Haug, Herman, New York, N. Y., assignor to Rosemary Mfg. Co., Roanoke Rapids, N. C. Textile panel for a mattress covering. Des. 82,886; Dec. 23.
- Haug, Herman, Scarsdale, N. Y., assignor to Golding Bros. Company, New York, N. Y. Textile fabric or similar article of manufacture. Des. 81,235; May 27.
- Haug, Herman, Scarsdale, N. Y., assignor to Golding Bros. Company, New York, N. Y. Textile fabric or similar article of manufacture. Des. 81,236; May 27.
- Haug, John S., assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Gas condenser. 1,759,453; May 20.
- Haug, Richard J., Nashua, N. H. Viscosity-measuring device. 1,756,120; Apr. 29.
- Haugan, Reidar, White Sulphur Springs, W. Va. Hydro-pneumatic glider. 1,750,593; Mar. 11.
- Haugan, Reidar, White Sulphur Springs, W. Va. Hand-propelled speed skiff. 1,772,146; Aug. 5.
- Hauge, Andrew, Michigan City, Ind., assignor to Sullivan Machinery Company. Loading machine. 1,778,595; Oct. 14.
- Haugen, Hans, Fargo, N. Dak. Collapsible boat. 1,749,703; Mar. 4.
- Hauger, David M., J. E. Weaver, W. G. Wolbert, and J. E. Dunn, assignors to McKenna Brass & Manufacturing Company, Pittsburgh, Pa. Filling machine. 1,779,879; Oct. 28.
- Hauger, Peter L., Dawson Creek, British Columbia, Canada. Washer. 1,777,614; Oct. 7.
- Haugh, James G., Bascom, Ohio. Ironing board. 1,760,552; May 27.
- Haughton Elevator & Machine Company, The. (See Brubaker, John A., assignor.)
- Haughton Elevator & Machine Company, The. (See Thurston, Ernest B., assignor.)
- Hauk John W., Whittier, assignor of one-half to L. G. Gates, Bakersfield, Calif. Automatic feed device for rotary drill bits. 1,785,086; Dec. 16.
- Hauk, Joseph, assignor to Rice & Adams Corporation, Buffalo, N. Y. Bottle-washing machine. 1,759,506; May 20.
- Haultain, Herbert E. T., Toronto, Ontario, Canada. Centrifuge. 1,768,761; July 1.
- Hauman, Earl L., St. Catherines, Ontario, Canada, assignor to The Exolon Company, Bladell, N. Y. Method of and apparatus for treating refractory material. 1,750,468; Mar. 11.
- Hauman, Earl L., Hamburg, N. Y., assignor to The Exolon Company, Bladell, N. Y. Recovery of bonded materials. 1,750,174; Mar. 11.
- Haun, Joye C. (See Nordstrom, S. J., and Haun.)
- Haun, Joye C., Berkeley, assignor to The Merrill Company, San Francisco, Calif. Recovering cyanogen compounds from gases. 1,742,505; Jan. 7.
- Haunz, Charles F., Bath, assignor of one-half to G. R. Berger, Chicago, Ill., and one-half to A. McGary, New York, N. Y. Combined electric light and radio power plant and battery-charging system. 1,764,447; June 17.
- Haupt, Charles H., Elizabeth, N. J., assignor to Standard Oil Development Company. Rip seam. 1,748,222; Feb. 25.
- Haupt, Frank J., Bergenfield, and E. J. Sortore, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Coupon-printing telegraph machine. 1,774,971; Sept. 2.
- Haupt, Maurice, Montreal, Quebec, Canada. Bottle. Des. 82,259; Oct. 14.
- Haupt, Robert A., Leipzig, Germany. Perforating machine. 1,747,240; Feb. 18.
- Haupt, Walter H., Ludlow, Ky., assignor to A. Davis, jr., Cincinnati, Ohio. Apparatus for embossing cans. 1,780,890; Nov. 4.
- Haupt, William F., Orange, assignor to The Bates Manufacturing Company, West Orange, N. J. Numbering machine. 1,770,919; July 22.
- Hausberg, Ernest, Charles City, Iowa. Tooth-paste-dispensing device. 1,742,536; Jan. 7.
- Hause, Joseph M., Tulsa, Okla. Adjustable shade holder and guide. 1,751,814; Mar. 25.
- Hauser, Adalbert, New York, N. Y. Guide for locks. 1,751,153; Mar. 18.
- Hauser, Albert B., Stockton, Calif. Hydraulically-controlled leveler. 1,759,982; May 27.
- Hauser, Albert B., Stockton, Calif. Four-way valve. 1,775,856; Sept. 16.
- Hauser, Emil, New York, N. Y., assignor to Marcy Foundry Co., Perth Amboy, N. J. Chair. Des. 80,890; Apr. 8.
- Hauser, Emil, New York, N. Y., assignor to Marcy Foundry Co., Perth Amboy, N. J. Settee or similar article. Des. 80,891; Apr. 8.
- Hauser, Emil, New York, N. Y., assignor to Marcy Foundry Co., Perth Amboy, N. J. Chair or similar article. Des. 82,937; Dec. 30.
- Hauser, Emil, New York, N. Y., assignor to Marcy Foundry Co., Perth Amboy, N. J. Chair or similar article. Des. 82,938; Dec. 30.
- Hauser, George D., assignor to Utica Products, Inc., Utica, N. Y. Container. 1,749,581; Mar. 4.
- Hauser, George D., assignor to Utica Products, Inc., Utica, N. Y. Washing and drying machine. 1,764,302; June 17.
- Hauser, Phillippe, and E. Probst, Berne, Switzerland. Pocket cinematograph. 1,774,097; Aug. 26.
- Hauser, William C., Forest Park, Ill. Closure plug. 1,761,339; June 3.
- Hauserman, E. F., Company, The. (See Bohnsack, John A., assignor.)
- Haushalter, Fred L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Resilient support. 1,779,235; Oct. 21.
- Hausken, Hans J., Myers, Mont. Angle or joint bar for insulating railway rail joints. 1,764,563; June 17.
- Hausler, Herbert J. (See Karns, Ira A., assignor.)
- Hausman, Sidney, Arlington, N. J. Material feeding and weighing device. 1,777,670; Oct. 7.
- Hausman, Walter J., Upper Darby, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,779,432; Oct. 28.
- Hausmann, Fritz, assignor to the firm Lederwerke Becker & Co., Offenbach-on-the-Main, Germany. Method and device for compensating electricity. 1,766,512; June 24.
- Hausser, William J., Brooklyn, N. Y. Harmonica. 1,752,988; Apr. 1.
- Haussmann, Karl, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Prussia, Germany. Drive for motor boats. 1,784,354; Dec. 9.
- Hautot, Maurice, assignor to Compagnie Internationale Des Wagons-Lits Et Des Grands Express Europeens, Paris, France. Railway carriage. 1,767,361; June 24.
- Havana Metal Wheel Co. (See Chandler, Carl B., assignor.)
- Havel, Frank, Chicago, Ill., assignor to S. Karpen & Brothers. Chair or similar article. Des. 80,624; Mar. 4.
- Havel, Frank, Chicago, Ill., assignor to S. Karpen & Bros. Davenport or similar article. Des. 81,095; May 6.
- Havelock, Edward W., and J. W. Cochrane, assignors to N. C. Havelock and L. M. Cochrane, Santa Rosa, Calif. Reversible car sign. 1,750,173; Mar. 11.
- Havelock, Natalina C., et al. (See Havelock, E. W., and Cochrane, assignors.)
- Haven, Kent C., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Motor-vehicle body. Des. 81,332; June 10.
- Haven, William A., Youngstown, Ohio. Tuyère for metallurgical blast furnaces. 1,747,712; Feb. 18.

- Haven, William A., Youngstown, Ohio. Tuyère for metallurgical blast furnaces. 1,772,864; Aug. 12.
- Havens, Homer M., Columbus, Ohio, assignor to The Seagrave Company, Columbus, Ohio. Truck ladder. 1,761,726; June 3.
- Havens, Homer M., assignor to The Seagrave Corporation, Columbus, Ohio. Parallel-series pump. 1,782,469; Nov. 25.
- Havens, Louis A., jr., Queens Village, N. Y. Ammonia-gas detector. 1,780,483; Nov. 4.
- Havens, William D., Schenectady, N. Y. Timing indicator for internal-combustion engines. 1,782,142; Nov. 18.
- Havens, Wilson W., Oakland, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitting and coring machine. 1,785,013; Dec. 16.
- Haverbeck, Edgar, assignor to the firm L. Schuler A.-G., Goppingen, Germany. Press. 1,779,093; Oct. 21.
- Haverfield, Brice W., Chicago, Ill. Merchandise-display desk. Des. 80,441; Feb. 4.
- Haverhill Shoe Novelty Company. (See Pascucci, Attilio R., assignor.)
- Haverstick, Thomas E. (See Klugh, O. L., and Haverstick.)
- Haviland & Co. (Societe Anonyme). (See Zenker, Paul, assignor.)
- Havlista, George F., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling cutter. 1,747,713; Feb. 18.
- Haw, Jakob, Berlin-Staaken, Germany. Adjustable propeller. 1,767,127; June 24.
- Hawaiian Cane Products, Limited. (See Williams, William L. S., assignor.)
- Haward, Eric A., Chiswick, England, assignor to W. H. S. Lloyd Co., Inc., New York, N. Y. Wall paper. Des. 81,006; Apr. 22.
- Hawbaker, Levi, Elmore, Minn. Wire stretcher. 1,759,642; May 20.
- Hawe, William F. M., Pittsburgh, Pa., assignor to Adams Bros. Mfg. Co., Inc. Gas radiant heater. Des. 82,029; Sept. 16.
- Hawes, Stephen, Washington, D. C. Musical instrument. 1,763,518; June 10.
- Hawenta-Platten-Gesellschaft m. b. H. (See Fricke, August, assignor.)
- Hawes, Charles L., Chicago, Ill. Automobile radiator ornament. 1,774,919; Sept. 2.
- Hawes, Charles L., assignor to C. Strassheim, Chicago, Ill. Automobile radiator ornament. 1,757,567; May 6.
- Hawes, Charles L., assignor of one-half to C. Strassheim, Chicago, Ill. Mechanical radiator ornament. 1,784,988; Dec. 16.
- Hawes, Charlie L., Ashtabula, Ohio. Reduction gearing. 1,786,153; Dec. 23.
- Hawes, Edward M., Marietta, Ohio. Tilting moving-picture films. 1,778,495; Oct. 14.
- Hawes, Frederic B., New Bedford, Mass. Clamping device for sealed containers. 1,771,175; July 22.
- Hawes, George W., Orillia, Ontario, Canada. Safety pin. 1,777,919; Oct. 7.
- Hawes, Herbert E., Milwaukee, Wis. Parachute. 1,777,363; Oct. 7.
- Hawgood, Harry, et al. (See Pelton, John C., assignor.)
- Hawie, Wadih F., sr. (See Thomas, T. A., and Hawie.)
- Hawk, Ernest D., New Castle, assignor to Harry B. Wassell, trustee, Pittsburgh, Pa. Storage battery. 1,768,906; July 1.
- Hawke, Clarence E., Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Combustion chamber. 1,785,583; Dec. 16.
- Hawkes, Arthur G., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Body for motor vehicles. 1,766,994; June 24.
- Hawkes, William H., New York, N. Y. Flatiron. 1,782,039; Nov. 18.
- Hawkins, Ernest V., Mitchell, Ind. Basket. 1,786,998; Dec. 30.
- Hawkins, George, Detroit, Mich. Tube cap. 1,779,703; Oct. 28.
- Hawkins, Luty, Mount Vernon, Ill. Brooder. 1,779,362; Oct. 21.
- Hawkins, Nettie M. (See Fowler, Daniel E., assignor.)
- Hawkins, Raymond L., assignor to Long Manufacturing Company, Detroit, Mich. Radiator. 1,781,511; Nov. 11.
- Hawkins, Roe C., Long Beach, Calif. Lug attachment for tractor wheels. 1,777,563; Oct. 7.
- Hawkins, Roe C., assignor of one-half to E. S. Hixson, Long Beach, Calif. Tractor-seat support. 1,746,938; Feb. 11.
- Hawkins, Walter T. (See McGookin, George F., assignor.)
- Hawkins, Wilford J., et al. (See Crommett, Charles F., assignor.)
- Hawkins, Wilford J., Claiborne, Md., assignor to American Machine & Foundry Company. Metal foil. 1,760,645; May 27.
- Hawkinson, Emil M., and N. W. Burbridge, South Bend, Ind., assignors to Westinghouse Electric and Manufacturing Company. Cage-making machine. 1,745,852; Feb. 4.
- Hawkinson, Paul E., assignor to Kehawke Manufacturing Co., Minneapolis, Minn. Machine for making tire patches. 1,759,507; May 20.
- Hawkinson, Theodore H. (See Hartman, M., Ohmart, and Hawkinson.)
- Hawks, Arthur S., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Compressor valve. 1,756,060; Apr. 29.
- Hawksley, Ralph G., Auburn R. I. Toothbrush. 1,776,808; Sept. 30.
- Hawksworth, David W., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Combined junction cap and running-board saddle for car roofs. 1,775,524; Sept. 9.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Smoke clarifier for combustion engines. 1,743,343; Jan. 14.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Gas cleaner. 1,743,344; Jan. 14.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Separator. 1,746,253; Feb. 11.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Cupola top. 1,747,669; Feb. 18.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Entrainment discharge valve for steam driers. 1,748,067; Feb. 25.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Boiler-output control. 1,748,286; Feb. 25.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Locomotive-boiler-output control. 1,748,287; Feb. 25.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Line filter. 1,755,780; Apr. 22.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Centrifugal fixture. 1,765,918; June 24.
- Hawley, Charles T., Holden, Mass., assignor to Moore Fabric Company, Pawtucket, R. I. Production of narrow curvilinear elastic fabric. 1,772,945; Aug. 12.
- Hawley, Cornell S., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric resistance. 1,760,057; May 27.
- Hawley, Edgar L., Atlanta, Ga. Secondary contact spring for plug cut-outs. 1,787,109; Dec. 30.
- Hawley, Frank J., Brooklyn, N. Y. Rail with reversible head. 1,769,643; July 1.
- Hawley, Jesse B., Wilmette, assignor, by mesne assignments, to United Reproducers Corporation, St. Charles, Ill. Amplifier horn. 1,785,193; Dec. 16.
- Hawley, Jesse B., Wilmette, Ill., and R. H. Townsend, Mount Vernon, N. Y., assignor, by mesne assignments, to United Reproducers Corporation, St. Charles, Ill. Sound amplifier. 1,765,486; June 24.
- Hawley, John B., jr., Minneapolis, Minn. Steam-boiler structure. 1,774,552; Sept. 2.
- Hawley, Kent A., Victor, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,772,513; Aug. 12.
- Hawley, Kent A., Victor, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Multiple-skirt suspension insulator. 1,778,152; Oct. 14.
- Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Pedestal insulator. 1,776,557; Sept. 23.
- Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator-pin-centering means. 1,778,153; Oct. 14.
- Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Cushion for insulator pins and method of applying. 1,778,154; Oct. 14.
- Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Apparatus for making insulators. 1,784,792; Dec. 9.
- Hawley, Roy G., Bradford, Pa. Pump for oil wells. 1,755,990; Apr. 22.
- Haworth, Charles W., Holyoke, Mass. Machine and process for building helical cheeses. 1,768,687; July 1.
- Hawthorne, John A., jr. (See Lea, L., and Hawthorne.)
- Hawthorne, John A., Moores, and L. Lea, Wynnewood, Pa. Making clamps and the blanks for the same. 1,747,005; Feb. 11.
- Hawthorne, Joseph G., Kansas City, Mo., assignor to W. M. Cross. Cracking hydrocarbon oil. 1,782,686; Nov. 25.
- Hawxhurst, John J., assignor to Liquid Dispensing Systems, Inc., Brooklyn, N. Y. Liquid-delivery control. Re17,558; Jan. 7.
- Hawxhurst, John J., assignor to Liquid Dispensing Systems, Inc., Brooklyn, N. Y. Liquid-delivery apparatus. 1,742,208; Jan. 7.
- Hay, Clarence B., Sumter, S. C. Insect destroyer. 1,764,952; June 17.
- Hay, Donald L., et al. (See Mason, Max, assignor.)
- Hay, George S., London, England, assignor, by mesne assignments, to Flintkote Roads Inc., Boston, Mass. Bituminous emulsion. 1,778,760; Oct. 21.
- Hay, George W. (See Krueger, A. S., and Hay.)
- Hayart, Lucien, Lyon, France. Compressor. 1,758,601; May 13.
- Hayashi, Andrew T., Ventnor, N. J., and W. C. Hyzer, Pittsburgh, Pa.; said Hyzer assignor to said Hayashi. Electrically-operated game. Des. 81,693; July 29.
- Hayashi, Ken, Evansburg, Alberta, Canada. Leaf holder for books. 1,762,686; June 10.

- Hayden, Arthur C., Brockton, Mass. Stand. 1,750,803; Mar. 18.
- Hayden, Arthur C., Brockton, Mass. Support for panoramic cameras. 1,764,721; June 17.
- Hayden, Arthur C., Brockton, Mass. Motion-picture projector. 1,784,097; Dec. 9.
- Hayden, Arthur C., Brockton, Mass. Stand for motion-picture-projector apparatus. 1,787,270; Dec. 30.
- Hayden, Arthur C., Brockton, Mass. Audible footage meter and exposed-film indicator for motion-picture cameras. 1,787,271; Dec. 30.
- Hayden, David H., Brooklyn, N. Y. Form. 1,771,119; July 22.
- Hayden, Robert P., assignor to Johnson & Johnson, New Brunswick, N. J. Carton or box. 1,760,753; May 27.
- Hayden, Robert P., assignor to Johnson & Johnson, New Brunswick, N. J. Plaster-roll package. 1,760,754; May 27.
- Haydenville Company, The. (See Hills, Reuben B., assignor.)
- Hayduk, Stanley. (See Widuch, A., Hayduk, and Sliwa.)
- Hayes, Arthur W., et al. (See Radford, Chester E., assignor.)
- Hayes-Custer Stove and Furnace Co. (See Hayes, Frank H., assignor.)
- Hayes Equipment Manufacturing Company, The. (See Harks, Walter M., assignor.)
- Hayes, Frank A., Keyport, N. J. Variable-speed power-transmission mechanism. 1,756,061; Apr. 29.
- Hayes, Frank H., Morris, assignor to Hayes-Custer Stove and Furnace Co., Bloomington, Ill. Stove. Des. 80,726; Mar. 18.
- Hayes, Fred B., Fort Wayne, Ind., assignor to The Gas Machinery Company, Cleveland, Ohio. Fuel charger for gas generators. 1,787,248; Dec. 30.
- Hayes, Frederick S., Meridian, Miss. Dispensing refrigerator. 1,785,954; Dec. 23.
- Hayes, Harvey C., Washington, D. C. Apparatus for receiving and determining the direction of submarine sounds. 1,742,704; Jan. 7.
- Hayes, Harvey C., Washington, D. C. Sound receiver. 1,743,071; Jan. 7.
- Hayes, Harvey C., Washington, D. C. Apparatus for transforming sound into electrical energy. 1,749,284; Mar. 4.
- Hayes, Harvey C., Washington, D. C. Apparatus for transforming sound into electrical energy. 1,749,285; Mar. 4.
- Hayes, Harvey C., Washington, D. C. Acoustical wave filter. 1,751,035; Mar. 18.
- Hayes, Harvey C., Washington, D. C. Sound receiver. 1,755,583; Apr. 22.
- Hayes, Harvey C., Washington, D. C. Acoustic instrument. 1,757,938; May 6.
- Hayes, Harvey C., Washington, D. C. Making subterranean surveys. 1,784,439; Dec. 9.
- Hayes-Hunt Corporation. (See Preston, Victor, assignor.)
- Hayes, James J., Louisville, Ky. Wearing apparel. 1,783,505; Dec. 2.
- Hayes, James L., Ottawa, Ill. Inner tube. 1,764,076; June 17.
- Hayes, Nell G., assignor of one-half to A. R. Auray, Bridgeport, Conn. Push-button housing. 1,750,469; Mar. 11.
- Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Bumper post. 1,747,006; Feb. 11.
- Hayes, Thomas R., Monrovia, Calif. Chair. 1,756,551; Apr. 29.
- Hayes Track Appliance Company. (See Hayes, Stanley W., assignor.)
- Hayes, William F., Providence, R. I. Lamp tester. 1,751,860; Mar. 25.
- Hayes, William F., assignor to Gagnier Fibre Products Company, Detroit, Mich. Laminated board. 1,770,520; July 15.
- Hayes, William F., assignor to Gagnier Fibre Products Company, Detroit, Mich. Metal reinforced fiber board. 1,770,521; July 15.
- Hayford, Benjamin I. (See Gersmann, S., and Hayford.)
- Hayley, Harry, Hurdman's Bridge, Ontario, Canada. Catch basin. 1,758,318; May 13.
- Hayman, Eber J., Parkersburg, W. Va. Joint. 1,780,232; Nov. 4.
- Hayman, William C., Schenectady, N. Y., assignor to General Electric Company. High-tension cable. 1,751,403; Mar. 18.
- Hayman, William C., Schenectady, N. Y., assignor to General Electric Company. Fluid-filled electric cable. 1,770,851; July 15.
- Hayn, Georg, Cassel, Germany. Control device for fuel-feeding mechanism. 1,746,350; Feb. 11.
- Haynen, Joseph R. (See Churchill, C. R., and Haynen.)
- Haynes, Bryce, New York, N. Y. Ball presenting and impelling machine. 1,779,540; Oct. 28.
- Haynes, Bryce, New York, N. Y. Ball-positioning machine. 1,779,541; Oct. 28.
- Haynes, Ernest A., assignor of forty-five per cent to L. E. Grim, Comstock, Nebr. Pig creep gate. 1,757,426; May 6.
- Haynes, John L. (See Michelson, L. M., and Haynes.)
- Haynes, Joseph E., Lawrence, Mass. Internal-combustion engine. 1,774,369; Aug. 26.
- Haynes, Merritt W., Cranford, assignor to American Type Founders Company, Jersey City, N. J. Adjustable top for type cabinets. 1,753,048; Apr. 1.
- Haynes, Pierre E., East Aurora, N. Y., assignor to The Linde Air Products Company. Process and apparatus for preparing lead oxides. 1,770,777; July 15.
- Haynes Stellite Company. (See Field, Burnham E., assignor.)
- Haynes Stellite Company. (See Smith, Edward F., assignor.)
- Haynes Stellite Co. (See Wissler, William A., assignor.)
- Haynn, Richard, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Felting property of animal hair. 1,779,363; Oct. 21.
- Hays, Henry C., Detroit, Mich., assignor to Continental Can Company, Inc., New York, N. Y. Hand fire extinguisher. 1,765,374; June 24.
- Hayward, Ben A., Okmulgee, Okla. Well-beam saddle. 1,745,298; Jan. 28.
- Hayward, Carle R. (See Smith, Cyril S., assignor.)
- Hayward, Charles H. D., West Orange, N. J. Electric switch. 1,772,147; Aug. 5.
- Hayward Company, The. (See Atkinson, Herbert S., assignor.)
- Hayward Company, The. (See Brendlin, Herman J., assignor.)
- Hayward, Ralph A., assignor to Kalamazoo Vegetable Parchment Company, Kalamazoo, Mich. Paper-making machine. 1,772,484; Aug. 12.
- Haywood, Glasgow W. (See Williamson, G. M., and Haywood.)
- Haywood, Hubert, Wirksworth, England. Let-off motion for narrow fabric looms. 1,760,236; May 27.
- Haywood James B., Hopewell, Va. Copyholder. 1,784,873; Dec. 16.
- Hazard, Joseph J., Saratoga Springs, N. Y. Radio. 1,785,627; Dec. 16.
- Haze, Corrie N., Sheldon, Iowa. Heating the crank cases of engines. 1,747,772; Feb. 18.
- Hazel-Atlas Glass Co. (See Brady, Hugh S., assignor.)
- Hazel-Atlas Glass Co. (See Flint, Francis C., assignor.)
- Hazel-Atlas Glass Co. (See Haub, George R., assignor.)
- Hazel-Atlas Glass Co. (See Gray, D. M., and Williams, assignors.)
- Hazel-Atlas Glass Co. (See Haub, George R., assignor.)
- Hazel-Atlas Glass Co. (See Kirkpatrick, John, assignor.)
- Hazel-Atlas Glass Co. (See Stenhouse, Thomas, assignor.)
- Hazeley, Edward. (See Hegan, H. J., and Hazeley.)
- Hazell, Benjamin W., Baltimore, Md. Septum. 1,767,793; June 24.
- Hazell, Eardley, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of latex. 1,757,632; May 6.
- Hazell, Eardley, New York, N. Y., assignor to Morgan & Wright, Detroit, Mich. Form for manufacturing rubber articles. 1,779,813; Oct. 28.
- Hazell, Joseph W., Washington, D. C. Negative holder. 1,782,068; Nov. 18.
- Hazell, Joseph W., Washington, D. C., assignor to New Process Multi-Castings Company. Making molds. 1,768,359; June 24.
- Hazeltine, Benjamin P., Baltimore, Md. Straightening machine. 1,758,699; May 13.
- Hazeltine Corporation. (See Hazeltine, Louis A., assignor.)
- Hazeltine Corporation. (See MacDonald, William A., assignor.)
- Hazeltine Corporation. (See Trube, Carl E., assignor.)
- Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
- Hazeltine, Louis A., Hoboken, assignor to Hazeltine Corporation, Jersey City, N. J. Unicontrol signaling system. 1,755,114; Apr. 15.
- Hazeltine, Louis A., Hoboken, N. J., assignor to Hazeltine Corporation. Variable condenser. 1,755,115; Apr. 15.
- Hazeltine, Reginald, Chicopee Falls, Mass. Golf-practice apparatus. 1,761,039; June 3.
- Hazen, Earl A., Joplin, Mo., assignor to Keystone Driller Company, Beaver Falls, Pa. Fishing tool. 1,782,613; Nov. 25.
- Hazen, Josephine W., Portland, Oreg. Piano-keyboard instruction chart. 1,758,254; May 13.
- Hazen, Morris, Cincinnati, Ohio. Method and machine for forming, bending, and cutting off metal strips. 1,749,342; Mar. 4.
- Hazle, Albert J., jr., Chicago, assignor to Blatchford Calf Meal Company, Waukegan, Ill. Grinding mill. 1,745,330; Jan. 28.
- Hazle, Albert J., jr., assignor to B. F. Gump Co., Chicago, Ill. Feeding device with clearing mechanism. 1,746,590; Feb. 11.
- Hazman, Jacob, assignor to L. Weiner, Providence, R. I. Ornamenting device and making the same. 1,781,687; Nov. 18.
- Heacock, Thomas H., Canton, and P. Larson, Louisville, Ohio. Sheet-stretching machine. 1,748,603; Feb. 25.
- Head, Carrel V., Slaton, Tex. Building construction. 1,765,154; June 17.
- Head, Drew, Chicago, Ill. Air-conditioning device for internal-combustion motors. 1,742,471; Jan. 7.
- Head, Ernest C. (See Candee, A. H., Head, and Nadel.)
- Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Machine for generating gears. 1,758,193; May 13.

- Head, Robert, Yonkers, N. Y., assignor to The Aeolian Company. Perforating machine and the like. 1,753,148; Apr. 1.
- Head, Ronald, Luton, England, assignor to Baker Perkins Co. Inc., Saginaw, Mich. Method and apparatus for preparing cream fondant and the like. 1,758,602; May 13.
- Head, Thomas W., Bridgnorth, England. Loom for weaving tufted pile fabrics. 1,767,758; June 24.
- Head, Thomas W., Bridgnorth, and E. J. Perry, Birmingham, England. Loom for weaving carpets and like tufted pile fabrics. 1,759,308; May 20.
- Headen, Lucean A., and H. A. Petit, assignors of one-fourth to A. S. Bacon, Albany, Ga., and three-fourths to National Oil Manifolds, Inc., Wilmington, Del. Ignition device. 1,780,076; Oct. 28.
- Headington, Susanna C., New York, N. Y. Device for waving hair. 1,757,245; May 6.
- Headrick, James, et al. (See Hillier, Seymour W., assignor.)
- Heady, Harry, Los Angeles, Calif. Rubber heel. 1,765,155; June 17.
- Heal, Paul E., Marion, Ind. Lawn-sprinkler nozzle. Des. 82,745; Dec. 9.
- Heald, James N., and W. J. Guild, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,779,094; Oct. 21.
- Heald, John, Pasadena, Calif. Window shade. 1,764,789; June 17.
- Heald Machine Company, The. (See Garno, George E., assignor.)
- Heald Machine Company, The. (See Heald, J. N., and Guild, assignors.)
- Heald Machine Company, The. (See Heald, R. N., Guild, Burns, and Garno, assignors.)
- Heald Machine Company, The. (See Kempton, H. E., and Gallimore, assignors.)
- Heald Machine Company, The. (See Kempton, H. E., Gallimore, and Woytych, assignors.)
- Heald Machine Company, The. (See Woytych, Raymond M., assignor.)
- Heald, Roger N., W. J. Guild, A. P. Burns, and G. E. Garno, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,751,202; Mar. 18.
- Heald, Roger N., W. J. Guild, A. P. Burns, and G. E. Garno, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,751,203; Mar. 18.
- Healey, William J., Bloomfield, N. J., assignor to Westinghouse Electric and Manufacturing Company. Graphic instrument. 1,760,947; June 3.
- Healy, Charles F., New York, N. Y. Toothbrush. 1,773,041; Aug. 12.
- Healy, Cornelius D., Newark, N. J. Bell for conduits. 1,765,156; June 17.
- Healy, James H. (See Healy, John A., and J. H.)
- Healy, John A., Langdon, and J. H. Healy, St. Paul, Minn. Toggle-bolt fastener for radiators. 1,746,254; Feb. 11.
- Healy, Leon J. D., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Electropaint. 1,744,469; Jan. 21.
- Healy, Leon J. D., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Cement and making same. 1,752,557; Apr. 1.
- Heames, Richard M., Grosse Pointe, B. W. Lindquist and H. Stark, Detroit, Mich. Apparatus for heat treating. 1,776,117; Sept. 16.
- Heany, John A., New Haven, Conn., assignor to Sirian Lamp Company, Newark, N. J. Incandescent electric lamp. 1,749,136; Mar. 4.
- Heany, John A., New Haven, Conn., assignor, by mesne assignments, to Arcturus Radio Tube Company, Newark, N. J. Uranium metal and product and making the same. 1,759,454; May 20.
- Heany, John A., assignor to Heany Laboratories Inc., New Haven, Conn. Air-spring shock absorber. 1,769,782; July 1.
- Heany, John A., New Haven, Conn., assignor, by mesne assignments, to Industrial Research Corporation, Toledo, Ohio. Engine-starting means. 1,778,387; Oct. 14.
- Heany Laboratories, Inc. (See Barnett, David A., assignor.)
- Heany Laboratories Inc. (See Heany, John A., assignor.)
- Heap, Walter. (See Shaw, J. S., and Heap.)
- Heap, Walter, Liverpool, W. G. Read, Prescott, J. Barnes, Liverpool, and G. N. Kermod, Waterloo, England. Speed-reduction gearing. 1,770,035; July 8.
- Heap, William D., Mishicot, Wis. Differential mechanism. 1,775,312; Sept. 9.
- Heard, William H., Bideford, England. Charge-mixing device for internal-combustion engines. 1,780,130; Oct. 28.
- Hearl, John W., assignor to A. Weiskittel & Son Co., Baltimore, Md. Balance for oven doors. 1,759,696; May 20.
- Heart-Stoker Company Limited. (See McCann, Francis J., assignor.)
- Heater, Freeman F., Seattle, Wash. Aviator's helmet. Des. 81,055; Apr. 29.
- Heath, Branch, Toronto, Ontario Canada, assignor to Canada Cycle & Motor Co. Limited, Weston, Ontario, Canada. Protector for skate blades. 1,771,755; July 29.
- Heath, Chad N., Tacoma, Wash. Silo. 1,758,662; May 13.
- Heath, Delos P., Detroit, Mich. Compressor. 1,764,953; June 17.
- Heath, Herbert C. (See Trencham, H., Heath, Hamlyn, and Cox.)
- Heath, Robert E., Monroe, N. C. Portable vending machine. 1,763,044; June 10.
- Heath, Sheldon B. (See Barstow, E. O., and Heath.)
- Heath, Sheldon B., and M. O. Keller, assignors to The Dow Chemical Company, Midland, Mich. Making cuprous compounds. 1,763,781; June 17.
- Heath, Walter J., et al. (See Minium, Abram E., assignor.)
- Heather, George B., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,785,735; Dec. 23.
- Heather, Herbert, et al. (See Hutton, J., and Bacon, assignors.)
- Heatley, Harold R. (See Heatley, John and H. R.)
- Heatley, John and H. R., Blackburn, England. Dobby mechanism of looms for weaving. 1,770,778; July 15.
- Heatley, Owen B. (See Hall, J. R., McLeod, and Heatley.)
- Heaton, Edgar, Bremerton, Wash. Auxiliary atomizer for internal-combustion engines. 1,770,645; July 15.
- Heaton, Herman C. (See Monroe, W. S., Heaton, and Jacobus.)
- Heaton, Maurice C., West Nyack, N. Y. Laminated glass article. 1,787,371; Dec. 30.
- Heaton, William H., assignor to Tufoak Products Co., Oakland, Calif. Making garments. 1,784,285; Dec. 9.
- Heat Research and Service Corporation, The. (See Deppler, John H., assignor.)
- Heat Transfer Products, Inc. (See Jacocks, George T., assignor.)
- Heat Treating Company. (See Laird, Wilbur G., assignor.)
- Heavey, John C., Chicago, Ill. Stoker. 1,760,594; May 27.
- Heavey, Michael T., Berkeley, Calif. Rack for rolled materials. 1,780,647; Nov. 4.
- Hebbeler, George W., St. Louis, Mo. Tire-casing expander. 1,762,227; June 10.
- Hebden, John C., assignor to Hebden Sugar Process Corporation, New York, N. Y. Purification of vegetable oils. 1,745,367; Feb. 4.
- Hebden, John C., assignor to Dyeing Processes Corporation, New York, N. Y. Treating yarn. 1,783,908; Dec. 2.
- Hebden Sugar Process Corporation. (See Hebden, John C., assignor.)
- Hebebrand, George H., Florissant, Mo. Percentage feeder. 1,760,407; May 27.
- Hebendahl, John P., Elizabeth, N. J. Bracket. 1,767,585; June 24.
- Hebenstreit, Karl O., Dresden, Germany. Baking machine. 1,766,023; June 24.
- Heberlein, Charles A., Maurer, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Recovering arsenic, antimony, and tin from mixtures of their salts. 1,779,272; Oct. 21.
- Heberlein & Co., A. G. (See Bodmer, Albert, assignor.)
- Hebert, Edward, assignor to Consolidated Aircraft Corporation, Buffalo, N. Y. Aircraft. 1,769,738; July 1.
- Hebert, Fred C., Jackson, assignor to General Motors Corporation, Detroit, Mich. Rim tool. 1,757,427; May 6.
- Hebig, Henry C., Miami, Fla. Sponge-rubber shoe. Des. 81,979; Sept. 9.
- Hebler, Felix, Hanover, Germany. Coated phosphide and process for making. 1,757,713; May 6.
- Hebrew, Joseph S., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reactor system. 1,763,150; June 10.
- Hechenbleikner, Ingenuin, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation. Acid-phosphate plant. 1,782,821; Nov. 25.
- Hechenbleikner, Ingenuin, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation. Combined spray drier and burner. 1,782,822; Nov. 25.
- Hechenbleikner, Ingenuin, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation. Filtering and dust-collecting apparatus. 1,782,823; Nov. 25.
- Hechenbleikner, Ingenuin, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation. Catalytic apparatus. 1,782,824; Nov. 25.
- Hechenbleikner, Ingenuin, and N. Titlestad, assignors to Chemical Construction Company, Charlotte, N. C. Ammonia-oxidizing method. 1,748,646; Feb. 25.
- Hecht, Heinrich, H. Lichte, and F. Wolf, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Arrangement for determining the direction of sound. 1,746,424; Feb. 11.
- Hecht, Paul O., Davenport, Iowa, assignor to B & D Mfg. Co., Rock Island, Ill. Automatic thread-cutting tool. 1,754,949; Apr. 15.
- Heck, William E., and J. Ellermeyer, Du Bois, Wash. Side-draft eliminator for gang plows. 1,768,402; June 24.
- Heckel, Charles E. (See Schroeter, George A., assignor.)
- Heckel, Herman, and W. T. Reddish, Cincinnati, assignors to The Twitchell Process Company, St. Bernard, Ohio. Separating oil from sulphonated components thereof. 1,775,622; Sept. 9.

- Hecker, Ernst, Milwaukee, Wis. Apparatus for processing and cooking dried fruit. 1,761,727; June 3.
- Heckerroth, William C., assignor to Erie City Iron Works, Erie, Pa. Brick-wall construction. 1,752,558; Apr. 1.
- Heckert, Ernst, Kiel, Germany. Mine-gas detector. 1,746,425; Feb. 11.
- Heckert, Fritz, assignor to Kienzle Uhrenfabriken A. G., Schwenningen-on-the-Neckar, Wurttemberg, Germany. Automatic strike-regulating means for clocks. 1,785,551; Dec. 16.
- Heckler, Ernest A. (See Wood, R. F., and Heckler.)
- Heckman, Homer H., Detroit, Mich. Metallic electrode holder. 1,761,728; June 3.
- Heckman, Martin, Merrill, Wis. Pneumatic grooming device for animals. 1,764,626; June 17.
- Heckman, Martin, Schofield, Wis. Pneumatic stock cleaner. 1,779,129; Oct. 21.
- Heckman, William F., assignor to The Higgin Manufacturing Company, Newport, Ky. Spring-roller-controlling device. 1,766,746; June 24.
- Heckmann, Georg. (See Schneider, J., and Heckmann.)
- Heckmann, Harry G., Binghamton, assignor to Central Flatiron Manufacturing Company, Johnson City, N. Y. Electric toaster. Des. 81,190; May 20.
- Heckmann, Harry G., Binghamton, assignor to Central Flatiron Manufacturing Company, Johnson City, N. Y. Electric corn popper. Des. 82,260; Oct. 14.
- Hecox, Albert E., Lansing, Mich. Rowing apparatus. 1,755,922; Apr. 22.
- Hector, Alexander B., Greenwich, near Sydney, New South Wales, Australia. Apparatus for producing color music or other spectacular luminous effects. 1,783,789; Dec. 2.
- Hedberg, Carl W. J. (See Wintermute, H. A., and Hedberg.)
- Heddon's, James, Sons. (See Welch, Jack T., assignor.)
- Hedeby, Hans N., Youngstown, Ohio. Leak detector. 1,786,843; Dec. 30.
- Hedeen, Elmer, assignor to C. F. Michael, Bucyrus, Ohio. Burial vault. Des. 82,325; Oct. 21.
- Hedeman, Walter R. (See Whitsitt, W. B., and Hedeman.)
- Hedge, Russell H., Delta, Iowa. Fastener. 1,767,451; June 24.
- Hedgepeth, Levi L., Elizabeth City, assignor to W. C. Olsen, Wake County, N. C. Purifying water. 1,757,526; May 6.
- Hedges, James S., et al. (See Grover, George E., assignor.)
- Hedglon, Mead, assignor to M. L. Oberdorfer Brass Company, Syracuse, N. Y. Frame for license plates. 1,752,080; Mar. 25.
- Hedglon, Mead, assignor to M. L. Oberdorfer Brass Company, Syracuse, N. Y. Fire trap for internal-combustion engines. 1,758,442; May 13.
- Hedglon, Mead, assignor to M. L. Oberdorfer Brass Company, Syracuse, N. Y. Extensible frame. 1,771,039; July 22.
- Hedglon, Mead, assignor to M. L. Oberdorfer Brass Company, Syracuse, N. Y. Geared pump. 1,773,814; Aug. 26.
- Hedgpeth, Theron L., Berkeley, Calif. Support for portable saws. 1,756,121; Apr. 29.
- Hedley, Frank, Yorkers, and J. S. Doyle, Mount Vernon, N. Y. Passenger vehicle. 1,744,891; Jan. 28.
- Hedlund, Erik W., Lynn, Mass., assignor to General Electric Company. Adjustable support. 1,775,525; Sept. 9.
- Hedly, Arthur H., assignor to Ludlow Typograph Company, Chicago, Ill. Type-matrix-forming punch. 1,747,773; Feb. 18.
- Hedman Manufacturing Company, The. (See Carlson, John W., assignor.)
- Hedman Manufacturing Company. (See Dauer, L. E., and Shipman, assignors.)
- Heelan, Thomas, North Tonawanda, assignor to Remington Rand Inc., New York, N. Y. Filing cabinet. 1,749,217; Mar. 4.
- Heenan & Froude Limited. (See James, Arthur E. W., assignor.)
- Heenan & Froude Limited. (See Walker, George H., assignor.)
- Heene, George W., Cleveland, Ohio. Stamping machine. 1,769,923; July 8.
- Heer, Joseph F., Washington, Pa. Pipe-bending tool. 1,767,362; June 24.
- Heer, Joseph F., Washington, Pa., assignor to The Ridge Tool Company, North Ridgeville, Ohio. Pipe-tightening tool. 1,777,084; Sept. 30.
- Heerdt, Walter, assignor to Deutsche Gold & Silver Scheideanstalt, vormals Roessler, Frankfurt-on-the-Main, Germany. Apparatus for measuring granulated or powdered materials. 1,771,218; July 22.
- Heeren, Arthur A., assignor to United States Gypsum Company, Chicago, Ill. Roof construction. 1,786,751; Dec. 30.
- Heerey, Bernard, et al. (See Campbell, Malcolm A., assignor.)
- Heeter, Thomas E. (See Gronquist, Albin W., assignor.)
- Heetkamp, Heinrich, Duisburg, assignor to Demag Aktien Gesellschaft, Duisburg, Prussia, Germany. Apparatus for drawing hollow blanks. 1,767,845; June 24.
- Hefe, John R. (See Gray, F., and Hefe.)
- Heffner, Alfred E., Seattle, Wash. Sirup-pump closure. 1,769,429; July 1.
- Heffrin, Edward L., assignor to The Shoe Hardware Company, Waterbury, Conn. Clothing buckle. 1,778,388; Oct. 14.
- Heiter, Hans W., Chicago, Ill. Antiskidding device. 1,774,885; Sept. 2.
- Heftl, Fritz, Altstetten, near Zurich, Switzerland. Barbituric-acid compound. 1,757,906; May 6.
- Heftli, Wilhelm, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Ship with aeroplane deck. 1,757,770; May 6.
- Heftli, Wilhelm, Wulfingen, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Engine cylinder. 1,780,388; Nov. 4.
- Heftler Victor R., Detroit, Mich., assignor to Societe du Carburateur Zenith, Lyon, France. Carburetor. 1,750,889; Mar. 18.
- Hegan, Chester P. (See Reed, W. M., and Hegan.)
- Hegan, Horace J., Linwood, and E. Hazeley, South View, assignors to Courtaulds Limited, London, England. Apparatus relating to the manufacture of artificial filaments, threads and the like. 1,779,313; Oct. 21.
- Hegarty, John J., Medford, Mass. Laundry drying apparatus. 1,759,113; May 20.
- Hegeman, Joseph F. (See Russell, A., and Hegeman.)
- Hegg, Edward C., Buffalo, N. Y., assignor to Mojonnier Bros. Co. Combined machine pedestal, casing, and table. Des. 81,096; May 6.
- Hegg, Edward C., Buffalo, N. Y., assignor to Mojonnier Bros. Co. Machine for cutting and wrapping material. 1,751,585; Mar. 25.
- Hegg, Edward C., Buffalo, N. Y., assignor to Mojonnier Bros. Co. Cutting and wrapping machine. 1,755,061; Apr. 15.
- Heggelund, Ragnar O., and H. I. Setbacken, Lake Preston, S. Dak. Carburetor heater for automobiles. 1,774,058; Aug. 26.
- Heggie, James. (See Corral, H., and Heggie.)
- Heggie Simplex Boiler Company. (See Baker, Arthur K., assignor.)
- Heggie Simplex Boiler Company. (See Birchfield, Robert W., assignor.)
- Heghinian, Garabed G., Baltimore, Md. Molding press. 1,757,119; May 6.
- Heginbottom, Walter G., assignor to Marvel Carburetor Company, Flint, Mich. Heat-controlling means for charge-forming devices. 1,750,637; Mar. 18.
- Heginbottom, Walter G., assignor to one-half to J. R. Francis, Flint, Mich. Heating-medium control for charge-forming devices. 1,766,709; June 24.
- Hegstad, Olaf, Chicago, Ill., assignor to Nicoud Manufacturing Co. Tapping attachment for lathes. 1,746,038; Feb. 4.
- Hehn, Louis F., Chicago, Ill. Coin-controlled apparatus. 1,763,045; June 10.
- Hehnly, Frank K., St. Petersburg, Fla. Razor strop. 1,787,372; Dec. 30.
- Heiberg, Per, Nogales, Ariz. Combination bath towel. 1,749,100; Mar. 4.
- Heibig, Charles E., Mennecy, France. Internal-combustion engine of the two-stroke type. 1,756,354; Apr. 29.
- Heibig, Edouard, Paris, France. Dialyzing apparatus. 1,757,364; May 6.
- Heibig, Edouard, Neuilly-sur-seine, assignor to F. Philippe, Paris, France. Concentrating and homogenizing apparatus. 1,778,596; Oct. 14.
- Heicke, Adolf. (See Thilo, Erich, assignor.)
- Heidbrink, Jay A., Minneapolis, Minn. Anæsthetizing apparatus. 1,763,305; June 10.
- Heide, William A., Detroit, Mich. Carburetor. 1,760,595; May 27.
- Heidenhain, Willy, Hagen, Germany. Apparatus for hardening products of iron, steel, and other ferromagnetic materials. 1,747,934; Feb. 18.
- Heidenreich, Adolf. (See Mieg, W., and Heidenreich.)
- Heidenreich, Isidor, St. Louis, Mo. Scratch sheet or pad holder. 1,766,252; June 24.
- Heidorn, Edward M., Hillside, Ill. Antitheft lock for automobiles. 1,787,110; Dec. 30.
- Heiermann, Hugo, Frankfurt-on-the-Main, Germany. Wrist-pin construction. 1,758,515; May 13.
- Height, Lewis H. (See Mooney, A. W., and Height.)
- Heijkskjöld, Gustaf O. W., assignor to Aktiebolaget Båsta, Stockholm, Sweden. Preparation of yeast. 1,757,568; May 6.
- Heil Co., The. (See Heil, Julius P., assignor.)
- Heil Co., The. (See Samuelsen, Arthur H., assignor.)
- Heil Co., The. (See Thwaites, Frederick G., assignor.)
- Heil, Julius P., assignor to The Heil Co., Milwaukee, Wis. Oil pump. 1,765,724; June 24.
- Heil, Louis A., Mobile, Ala. Hasp fastening. 1,777,085; Sept. 30.
- Heiland, Arthur, Berlin-Rangsdorf, Germany. Automatic vending machine. 1,776,758; Sept. 23.
- Heileman, Charles J., Park Hills, Covington, Ky. Wrist-watch band. 1,778,455; Oct. 14.
- Heilman, Herman F., assignor to Heyer Duplicate Company, Inc., Chicago, Ill. Duplicating machine. 1,764,261; June 17.
- Heilweil, Samuel, and B. Freidberg, New York, N. Y. Ventilating window shade. 1,743,345; Jan. 14.
- Helm, Jacob C., Philadelphia, Pa., assignor to Brown & Bailey Company. Foldable box. 1,755,690; Apr. 22.

- Heim, Lewis R., Mount Dora, Fla., assignor by mesne assignments to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Apparatus for producing ground articles. 1,772,042; Aug. 5.
- Heim, Lewis R., Mount Dora, Fla., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Truing device for abrasive wheels used in producing ground articles. 1,772,544; Aug. 12.
- Heimann, Heinrich. (See Becker, F., Heimann, and Bayerl.)
- Heimann, Hugo. (See Caro, N., Frank, Franck, and Heimann.)
- Heimann, Hugo. (See Franck, H. H., and Heimann.)
- Heimberger, George J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heater. 1,745,093; Jan. 28.
- Heimberger, George J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat-insulating casing. 1,779,814; Oct. 28.
- Heimberger, Harry T., Riverside, and E. Pugh, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Holder for heated devices. 1,786,065; Dec. 23.
- Heimbürger, Douglas D., St. Louis, Mo., assignor to Marquette Manufacturing Company, St. Paul, Minn. Steam nozzle. 1,748,604; Feb. 25.
- Heimbürger, Douglas D., St. Louis, Mo., assignor to Marquette Manufacturing Company, St. Paul, Minn. Automobile washing apparatus. 1,763,046; June 10.
- Heimendinger, Bert R., Britt, Iowa. Valve push rod. 1,785,308; Dec. 16.
- Heimer, Granville A., Nazareth, Pa. Musical toy. 1,768,199; June 24.
- Heimgartner, Walter F., Lincoln Township, Plymouth County, Iowa. Corn-sheller feed chain. 1,759,309; May 20.
- Hein, August, Brooklyn, N. Y. Belt carrier. 1,780,523; Nov. 4.
- Hein, Bernhard, Cologne, Germany, assignor to Le Treillage Ceramique Français, Paris, France. Weaving loom, especially for heavy webs such as metallic wire webbing. 1,762,393; June 10.
- Hein, George N., San Francisco, Calif. Hypodermic syringe. 1,744,893; Jan. 28.
- Hein, George N., San Francisco, Calif. Syringe. 1,771,219; July 22.
- Hein, Hermann. (See Burmester, E., and Hein.)
- Heina, William M., Long Island City, N. Y., assignor to Automobile Radio Corporation. Electrical resistance unit and terminal. 1,772,893; Aug. 12.
- Heina, William M., Long Island City, N. Y., assignor to Automobile Radio Corporation. Portable radio apparatus. 1,785,552; Dec. 16.
- Heinbuch, George W. (See Mallett, C. S., and Heinbuch.)
- Heindl, William C., Rochester, N. Y. Mounting for anti-glare shields. 1,742,537; Jan. 7.
- Heine Boiler Company. (See Spencer, Robert L., assignor.)
- Heine, Herman E. (See Mullett, H. A., and Heine.)
- Heine, Herman E., assignor to Bradley Washfountain Company, Milwaukee, Wis. Sectional spray head. 1,742,538; Jan. 7.
- Heine, Herman E., assignor to Bradley Washfountain Company, Milwaukee, Wis. Water-tempering sectional spray head. 1,742,539; Jan. 7.
- Heineman, Oscar, Corporation. (See Lindenberg, Albert, assignor.)
- Heineman, Warren F., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric flash welding. 1,780,297; Nov. 4.
- Heinemann, Fritz, Hamburg, Germany. Railway-track construction. 1,778,362; Oct. 14.
- Heinemann, Otto, Brooklyn, N. Y. Electrically-heated boot. 1,761,829; June 3.
- Heinemann, Wilhelm, Baden, Germany. Lathe with capstan and cross-slide rests. 1,763,519; June 10.
- Heinen, Frederick C., and W. W. Darrow, Chicago, Ill., assignors to Camel Company, Eau Claire, Wis. Metal car door. 1,753,375; Apr. 8.
- Heinen, Frederick C., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Door. 1,768,060; June 24.
- Heiner, Frederick C. (See Tobin, K. J., Heinen, and McWilliams.)
- Heiner, Glen P., Salt Lake City, Utah. Piston. 1,785,903; Dec. 23.
- Heinert, Heinrich. (See von Ardenne, M., and Heinert.)
- Heinisch, John J. (See Ruetz, George D., assignor.)
- Heinisch, Joseph F. R., Topeka, Kans. Lamp. 1,749,426; Mar. 4.
- Heinisch, George, assignor to The Star Drilling Machine Company, Akron, Ohio. Transmission. 1,745,760; Feb. 4.
- Heinkel, Christian F., Cleveland, Ohio. Magnet device. 1,768,907; July 1.
- Heinmiller, Samuel H., New Hampton, Iowa. Quack-grass digger and plow. 1,772,996; Aug. 12.
- Heinrich, Albert S., Freport, N. Y. Airplane and radiator therefor. 1,742,705; Jan. 7.
- Heinrich, Harrison, Brooklyn, N. Y. Theftproof tire-valve cap. 1,767,884; June 24.
- Heinrich, Hugo, Zwickau, Germany. Engine, pump, compressor, and the like. 1,762,983; June 10.
- Heinrich, Jean M., assignor to Société des Moteurs Salmson Systeme Canton-Unné, Paris, France. Construction of internal-combustion engines. 1,757,862; May 6.
- Heinrich, Paul G., Eden, N. Y. Trapper's glove. 1,762,865; June 10.
- Heinrich, Walter A., assignor, by mesne assignments, to W. N. Matthews Corporation, St. Louis, Mo. Making spray guns. 1,757,573; May 6.
- Heinrich, Walter W., assignor to W. N. Matthews Corporation, St. Louis, Mo. Switch. 1,764,403; June 17.
- Heinss, Christian F., sr., Fort Madison, Iowa. Dust separator for internal-combustion engines. 1,752,081; Mar. 25.
- Heintz, George W., Hamilton, Ohio. Automobile radiator cap. Des. 81,747; Aug. 5.
- Heintz, George W., Hamilton, Ohio. Electrically-operated car for racing apparatus. 1,764,627; June 17.
- Heintz Manufacturing Company. (See D'Ardenne, Walter H., assignor.)
- Heintz Manufacturing Company. (See D'Ardenne, W. H., Landis, and Christensen, assignors.)
- Heintz Manufacturing Company. (See Lambert, Francis M., assignor.)
- Heintze & Blanckertz. (See Blanckertz, Rudolf, assignor.)
- Heiny, Anatole C., Ridgefield Park, N. J., assignor to Dubilier Condenser Corporation, New York, N. Y. Feeding apparatus for condensers. 1,768,449; June 24.
- Heinz, John L. C., Chicago, Ill. Casement-window hinge. 1,787,249; Dec. 30.
- Heinz, Richard, Brooklyn, N. Y., assignor to Carl Percy, Inc. Device for raising and supporting advertising signs. 1,742,858; Jan. 7.
- Heinze, Adolf, Coswig Anhalt, Germany. Roller terrace tower as place of amusement and recreation. 1,759,008; May 20.
- Heinze, Ernst, Wiesdorf, near Cologne-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing hydroxides of alkali metals. 1,784,066; Dec. 9.
- Heinzen, Anton C., assignor to Wausau Iron Works, Wausau, Wis. Snowplow. 1,743,969; Jan. 14.
- Heinzmann, Albert O. (See MacLean, J. H., and Heinzmann.)
- Helse, George W., Bayside, N. Y., and C. W. Brokate, Danbury, Ohio, assignors to National Carbon Company, Inc. Galvanic cell. 1,786,406; Dec. 23.
- Heise, George W., and E. A. Schumacher, Lakewood, Ohio, assignors to National Carbon Co., Inc. Dry-battery electrolyte reinforcing means. 1,784,592; Dec. 9.
- Heise, George W., Bayside, N. Y., and H. H. Thompson, Cleveland, Ohio, assignors to National Carbon Company, Inc. Dry cell and electrode therefor. 1,775,763; Sept. 16.
- Heise, Otto W., Bridgeport, Conn., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, New York, N. Y. Expandible collapsible element. 1,774,437; Aug. 26.
- Heise, Otto W., Bridgeport, Conn., assignor to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. Retard gauge. 1,781,814; Nov. 18.
- Heise, Roscoe S., Dayton, Ohio. Door expander. 1,755,691; Apr. 22.
- Heisey, A. H., & Company. (See Cobel, Ray C., assignor.)
- Heisey, A. H., & Company. (See Heisey, Edgar W., assignor.)
- Heisey, A. H., & Company. (See Heisey, T. Clarence, assignor.)
- Heisey, A. H., & Company. (See Heisey, Thomas C., assignor.)
- Heisey, Edgar W., assignor to A. H. Heisey & Company, Newark, Ohio. Holder for candles. 1,761,299; June 3.
- Heisey, Edgar W., assignor to A. H. Heisey & Company, Newark, Ohio. Ice receptacle. 1,784,232; Dec. 9.
- Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Flower bowl or article of similar nature. Des. 81,388; June 17.
- Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Glass goblet or article of similar nature. Des. 82,151; Sept. 30.
- Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Glass plate or article of similar nature. Des. 82,887; Dec. 23.
- Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Flower bowl or article of similar nature. Des. 82,888; Dec. 23.
- Heishman, Clyde L., Washington, D. C. Illuminated board. 1,748,647; Feb. 25.
- Heising, Raymond A., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secret communicating system. 1,762,984; June 10.
- Heising, Raymond A., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave transmission device. 1,768,251; June 24.
- Heising, Raymond A., Millburn, assignor to Western Electric Company, Incorporated, New York, N. Y. Remote control system. 1,778,761; Oct. 21.
- Heisler, Charles A., Philadelphia, Pa. Rumble-seat top. 1,777,406; Oct. 7.
- Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Baking apparatus. 1,746,155; Feb. 4.
- Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Film-driving apparatus. 1,758,832; May 13.

Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Film driving means. 1,768,403; June 24.

Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Film driving. 1,771,922; July 29.

Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Motion-picture projector. 1,778,635; Oct. 14.

Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Roll spreader. 1,782,470; Nov. 25.

Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Sound recording and reproducing apparatus. 1,786,301; Dec. 23.

Heitel, Harry, and J. Heitel, assignors of one-third to H. Jacobson, New York, N. Y. Vanity case. 1,759,616; May 20.

Heitel, Joseph. (See Heitel, Harry and J.)

Heitger, Frank H., Flint, Mich. Throttle control for internal-combustion engines. 1,766,711; June 24.

Heitger, Frank H., assignor of one-half to J. R. Francis, Flint, Mich. Carburetor. 1,766,710; June 24.

Heitkamp, Frederick B., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Machine-tool rate-indicating dial. Des. 81,479; July 1.

Heitlage, Henry. (See Manley, S. M., and Heitlage.)

Heitlage, Henry, St. Bernard, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Can. 1,759,009; May 20.

Heitman, Herbert, Woodhaven, assignor to The Fred'k Page Contracting Company, New York, N. Y. Incinerator. 1,753,008; Apr. 1.

Heitman, Herbert, Woodhaven, assignor to The Fred'k Page Contracting Company, Inc., New York, N. Y. Firebrick construction. 1,754,015; Apr. 8.

Heitmann, William S., Philadelphia, Pa. Making tracer compositions. 1,748,288; Feb. 25.

Heitmuller, Henry, Cullman, Ala. Harrow. 1,781,459; Nov. 11.

Heitz, Leonard F., Lake Mills, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Valve-operating mechanism. 1,756,552; Apr. 29.

Heizenreter, Joseph, Culbertson, Nebr. Hog house. 1,743,603; Jan. 14.

Heizmann, Jules, Strasbourg, France. Heat exchanger. 1,767,794; June 24.

Hektner, Joel. (See Sanders, W. C., and Hektner.)

Helander, Lillian V. M. (See Allen, G. N., and Helander.)

Helberg, Oscar, Hamburg, Germany. Manufacturing tin closures. 1,743,544; Jan. 14.

Helbig, Albin B., Berlin, Germany. Pulverulent-fuel-firing system. 1,748,173; Feb. 25.

Helbronner, André, and E. Dutt, Paris France. Electric cell. 1,777,202; Sept. 30.

Helburn Thompson Co. (See Glendon, Thomas A., jr., assignor.)

Held, Joseph, assignor of one-half to L. Hanchett, Salt Lake City, Utah. Internal-combustion engine. 1,744,117; Jan. 21.

Held, Siegfried, Benton Harbor, Mich., assignor to Oil Gas Generator Corporation, Chicago, Ill. Oil-gas generator. 1,775,394; Sept. 9.

Heldenbrand, Arthur P., Three Sands, Okla. Steering knuckle. 1,750,518; Mar. 11.

Helenberg, John, Houston, Tex. Steam-valve gear. 1,759,399; May 20.

Helenbolt, George S., assignor to Niagara Sprayer & Chemical Co., Inc., Middleport, N. Y. Fruit and vegetable grading machine. 1,758,603; May 13.

Hele-Shaw, Henry S., and J. A. Pickard, London, England. Edge filtration. 1,744,510; Jan. 21.

Hele-Shaw, Henry S., and T. E. Beacham, London, England. Furniture and like caster. 1,755,670; Apr. 22.

Hele-Shaw, Henry S., and T. E. Beacham, London, England. Hydraulic transmission of power. 1,757,483; May 6.

Hele-Shaw, Henry S., London, England. Method of and apparatus for separating out and removing matter suspended in a fluid. 1,773,797; Aug. 26.

Helezer, Walter, assignor of one-tenth to J. Zajacsek, Chicago, Ill. Envelope. 1,765,157; June 17.

Helfgott, Solomon, New York, N. Y. Jewel-setting tool. 1,757,120; May 6.

Helfrich, John H. (See Roberts, C. E., and Helfrich.)

Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Speedometer. 1,760,844; May 27.

Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Ammeter. 1,761,917; June 3.

Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Location and design of a magnet for speedometers. 1,761,918; June 3.

Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Speedometer. 1,783,918; Dec. 2.

Helgesen, Jacob, White Plains, N. Y. Garbage chute. 1,767,885; June 24.

Helin, Alfred F., assignor to The Bagley and Sewall Company, Watertown, N. Y. Wire-washing device for paper-making machines. 1,744,892; Jan. 28.

Helin, Alfred F., assignor to The Bagley and Sewall Company, Watertown, N. Y. Paper-making machine. 1,774,553; Sept. 2.

Helios Corporation. (See Gilmore, David E., assignor.)

Helios Corporation. (See Proksa, John, assignor.)

Héliot, Maurice, Troyes, France. Tailoring. 1,781,580; Nov. 11.

Helland, Sigurd H. (See Hendrickson, F. K., and Helland.)

Helland, Sigurd H., assignor to Whittin Machine Works, Whittinsville, Mass. Builder mechanism for spinning frames. 1,747,974; Feb. 18.

Helle, Carl, Brunswick, Germany. Electric pipe-welding apparatus. 1,748,551; Feb. 25.

Heller, B., & Company. (See Alsberg, Julius, assignor.)

Heller Brothers Company. (See Logan, Colin M., assignor.)

Heller, Frank J., Woodhaven, N. Y. Banjo. 1,755,821; Apr. 22.

Heller, Harley H., Riverside, Conn., assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Insulation-removing process. 1,749,939; Mar. 11.

Heller, Herbert J. (See Steindorff, U. F. L., and Heller.)

Heller, Israel E., Buffalo, N. Y. Woven fabric. 1,770,134; July 8.

Heller, Josef, Vienna, Austria. Decorticating machine. 1,766,513; June 24.

Heller, Paul E., Newark, N. J. Pneumatic conveyer. 1,771,787; July 29.

Heller, Walter M., Newark, N. J. Wrench. 1,763,353; June 10.

Heller, William M. (See Stein, C., and Heller.)

Hellermann, Paul F., Hamburg, Germany. Binding insulated electrical conductors. 1,748,765; Feb. 25.

Hellermann, Paul F., Hamburg, Germany. Grip for electric cables. 1,785,628; Dec. 16.

Hellesoe, Hans A., Chicago, Ill. Rubber-stamp assembly. 1,750,004; Mar. 11.

Hellman, Isaac. (See Gross, J., and Hellman.)

Hellman, Marco H., Los Angeles, Calif. Shipping and display case for bridles. 1,755,295; Apr. 22.

Hellmann, Carl A., Washington, D. C. Rotary variable condenser. 1,748,345; Feb. 25.

Hellmers, Henry D., Westend, assignor to West End Chemical Company, Oakland, Calif. Recovering borax from brine. 1,756,122; Apr. 29.

Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electromagnetic blow-out device. 1,751,205; Mar. 18.

Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Frequency changer. 1,768,953; July 1.

Helriegel, Emil. (See Traube, W., and Helriegel.)

Hellstrom, John A., Woodlawn, Wheeling, W. Va. Universal joint. 1,777,263; Sept. 30.

Helthaler, Theodor. (See Metzger, J., Kreutzer, and Helthaler.)

Helthaler, Theodor, Granschütz, assignor to the firm A. Riebeckische Montanwerke Aktiengesellschaft, Halle, Saale, Germany. Bleaching Montan wax. 1,767,886; June 24.

Hellvik, Rasmus R., New York, and S. Perla, Brooklyn, N. Y.; said Hellvik assignor to said Perla. Chandelier arm. Des. 80,570; Feb. 25.

Hellvik, Rasmus R., New York, and S. Perla, Brooklyn, N. Y.; said Hellvik assignor to said Perla. Lighting fixture. Des. 81,284; June 3.

Hellvik, Rasmus R., New York, and S. Perla, Brooklyn, N. Y.; said Hellvik assignor to said Perla. Lamp. Des. 81,643; July 22.

Hellyar, Reginald H., London, England. Pipe joint. 1,781,581; Nov. 11.

Helm, Clyde D., Fort Worth, Tex. Pressure-relief device. 1,781,227; Nov. 11.

Helm, Dorothy S., Los Angeles, Calif. Spectacle frame. Des. 80,311; Jan. 14.

Helm, Harry E., Huntington, Ind. Anchor-rod clamp. 1,758,948; May 20.

Helma, Paul, and K. Bauch, assignors to Goodyear-Zeppelin Corporation, Akron, Ohio. Wire netting for airships. 1,763,584; June 10.

Helma, Paul, and W. B. Klemperer, assignors to Goodyear-Zeppelin Corporation, Akron, Ohio. Bulkhead for airships. 1,763,585; June 10.

Helman, August E., assignor to The W. S. Tyler Company, Cleveland, Ohio. Woven-wire screen. 1,747,631; Feb. 18.

Helmhold, Margaret L., and F. T. O'Malley, St. Paul, Minn. Lingerie suspender. 1,783,470; Dec. 2.

Helmecke, Arthur A., Bay City, Tex. Well tool. 1,781,903; Nov. 18.

Helmers, Nick F. (See Clements, M. F., and Helmers.)

Helmert, Robert, Berlin-Lichterfelde, and B. Johannesson, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Selector. 1,751,815; Mar. 25.

Helmholtz, Arthur W., and D. Ferrell, assignors to Safety Mining Company, Harrisburg, Ill. Shell for blasting cartridges. 1,779,595; Oct. 28.

Helmholtz, Henry. (See Fox, J. G., and Helmholtz.)

Helmling, George A., Whittensburg, Tex. Paraffin scraper for oil wells. 1,770,207; July 8.

Helmond, William F., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. 1,748,648; Feb. 25.

Helmond, William F., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. 1,756,513; Apr. 29.

- Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,748,649; Feb. 25.
- Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,762,173; June 10.
- Helmquest, William J., San Francisco, Calif. Photograph mount. Des. 82,374; Oct. 28.
- Helms, Harry W., assignor to Highway Trailer Company, Edgerton, Wis. Automatic semitrailer. 1,783,087; Nov. 25.
- Helms, Harry W., assignor to Highway Trailer Company, Edgerton, Wis. Fifth-wheel construction for semi-trailers. 1,785,697; Dec. 16.
- Helmus, Adolph C. (See Graham, G., and Helmus.)
- Helppinger, James N., Westerleigh, N. Y. Regulating apparatus. 1,743,545; Jan. 14.
- Helscher, Christian, and P. Tabellion, Massillon, Ohio. Building-opening ground. 1,748,605; Feb. 25.
- Helser, Maurice D., Ames, Iowa. Suspending animals while being dressed. 1,743,346; Jan. 14.
- Helstrom, Julmer, Virginia, Minn. Dirigible headlight. 1,768,252; June 24.
- Heltzel, John N., Warren, Ohio. Joint-filling machine. 1,750,104; Mar. 11.
- Heltzel, John N., Warren, Ohio. Concrete joint. 1,750,105; Mar. 11.
- Heltzel, John N., Warren, Ohio. Reenforcing-rod chair. 1,750,106; Mar. 11.
- Heltzel, John N., Warren, Ohio. Joint-producing machine. 1,750,107; Mar. 11.
- Heltzel, John N., Warren, Ohio. Road form. 1,755,541; Apr. 22.
- Heltzel, John N., Warren, Ohio. Collapsible form. 1,768,838; July 1.
- Heltzel, John N., Warren, Ohio. Concrete road construction. 1,780,588; Nov. 4.
- Heltzel, Joseph W., Warren, Ohio. Combination concrete-mixer turntable and subgrader. 1,749,101; Mar. 4.
- Heltzel, Joseph W., Warren, Ohio. Straightedge. 1,753,414; Apr. 8.
- Heltzel, Joseph W., Warren, Ohio. Finishing concrete surfaces. 1,760,596; May 27.
- Helweg, Svend J. (See Smith, C. F., and Helweg.)
- Helwig, Wilhelm A. A. H., assignor of one-third to S. Dickman, Detroit, Mich. Ventilating port. 1,752,794; Apr. 1.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Testing device. 1,746,351; Feb. 11.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Testing machine. 1,746,352; Feb. 11.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Counting device. 1,768,477; June 24.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,768,478; June 24.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,773,358; Aug. 19.
- Hemenway, George C. (See Underhill, J. A., and Hemenway.)
- Hemingray Glass Company. (See Holmes, Minot K., assignor.)
- Hemings, Albin J., assignor to Powers Regulator Company, Chicago, Ill. Thermostatic regulator. 1,761,300; June 3.
- Hemingway, Wilson, Jr. (See Andrew, F. W., and Hemingway.)
- Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lock-stitch sewing machine. 1,786,944; Dec. 30.
- Hemmer, Alfred J., Syracuse, N. Y. Nonskidding device. 1,746,772; Feb. 11.
- Hemmer, Peter J., New York, N. Y., and H. Waneck, North Bergen, N. J. Toy soldier. Des. 80,531; Feb. 18.
- Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Hosiery turning and inspecting form. 1,750,005; Mar. 11.
- Hemming, Stanley B. (See Allman, G., and Hemming.)
- Hemminger, Charles E., Rockwood, Pa. Gas turbine. 1,774,972; Sept. 2.
- Hemmingsen, Torkild V., Copenhagen, Denmark. Fuel valve for internal-combustion engines. 1,747,935; Feb. 18.
- Hemphill Company. (See Bergman, Harry K., assignor.)
- Hemphill Company. (See Jones, Frank E., assignor.)
- Hemphill Company. (See Landry, Aldei, assignor.)
- Hemphill Company. (See Lawson, John, assignor.)
- Hemphill Company. (See Lawson, John and R. H., assignors.)
- Hemphill Company. (See Lawson, Robert H., assignor.)
- Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)
- Hemphill, Stanley R. (See Smith, W. E., Hemphill, and Sullivan.)
- Hempstead, Charles S., New Salem, assignor of one-half to W. R. Wharton, Pittsburgh, Pa. Clamp for positioning metallic curb edging. 1,756,514; Apr. 29.
- Hemrich, John A., Seattle, Wash. Door opener. 1,775,093; Sept. 9.
- Henault, Nellie O., Butte, Mont. Milliner's shears. 1,759,553; May 20.
- Hench, Jay L., Hinsdale, Ill., assignor to Midwest Forging Company, Chicago, Ill. Fence post. 1,771,220; July 22.
- Hencken, John K., Brooklyn, N. Y. Earth-boring machine. 1,753,339; Apr. 8.
- Henderson, Albert, assignor to Henderson & Hatcher Inc., Pittsburgh, Pa. Making cementitious articles. 1,744,309; Jan. 21.
- Henderson, Albert, assignor to Henderson & Hatcher, Inc., Pittsburgh, Pa. Step. 1,768,061; June 24.
- Henderson, Alonzo P., Hanover, Mass. Folding staging bracket. 1,755,116; Apr. 15.
- Henderson, Charles E., Chickasha, Okla. Tire-chain snap lock fastener. 1,748,840; Feb. 25.
- Henderson Corporation. (See Henderson, Frederick W., assignor.)
- Henderson, Elden O., McAllen, Tex. Display cabinet. 1,779,815; Oct. 28.
- Henderson, Elden O., McAllen, Tex. Display tray for use on store counters. 1,787,373; Dec. 30.
- Henderson, Frederick W., Seattle, Wash., assignor to Henderson Corporation. Mixing device. 1,758,111; May 13.
- Henderson, Harry M., Washington, D. C. Cup-dispensing mechanism. 1,754,271; Apr. 15.
- Henderson, Harry M., Washington, D. C. Grader for vending-machine checks. 1,776,625; Sept. 23.
- Henderson & Hatcher, Inc. (See Henderson, Albert, assignor.)
- Henderson, Herbert, Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Liquid-cooled stuffing box. 1,776,974; Sept. 30.
- Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Robe rail. Des. 81,134; May 13.
- Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Foot rest. Des. 81,333; June 10.
- Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Radiator shell. Des. 82,152; Sept. 30.
- Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Radiator shell. Des. 82,153; Sept. 30.
- Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Lamp. Des. 82,426; Nov. 4.
- Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Automobile filler cap or similar article. Des. 82,500; Nov. 11.
- Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Instrument panel. Des. 82,501; Nov. 11.
- Henderson, Jack D., assignor to Moving Colour Signs Limited, London, England. Illuminative advertising apparatus. 1,753,049; Apr. 1.
- Henderson, James A. R. (See Horsfall, R. S., Lawrie, and Henderson.)
- Henderson, James B., Blackheath, England. Gyroscopic compass. 1,746,832; Feb. 11.
- Henderson, James B., Blackheath, England. Ballistic apparatus. 1,757,800; May 6.
- Henderson, James B., Blackheath, England. Automatic control of the steering of dirigible craft. 1,765,583; June 24.
- Henderson, James B., Blackheath, England. Bearing. 1,765,584; June 24.
- Henderson, Jock L., Williamstown, W. Va. Device for cleaning the scalp and hair. 1,755,151; Apr. 15.
- Henderson, John, Opal City, Ore. Combination smoker's tray. 1,759,051; May 20.
- Henderson, John, Picher, Okla. Windmill. 1,787,072; Dec. 30.
- Henderson, John E., Fort Myers, Fla. Dispensing device. 1,743,917; Jan. 14.
- Henderson, John S. M., Boonton, N. J. High-tension-current conductor and spark intensifier. 1,749,480; Mar. 4.
- Henderson, Joseph M., assignor to Burgess Battery Company, Madison, Wis. Method and apparatus for making dry-cell cores. 1,781,688; Nov. 18.
- Henderson, Kirby T., assignor to The Miller Rubber Company, Akron, Ohio. Preparing cord fabric for tire building. 1,756,355; Apr. 29.
- Henderson, L. L., trustee. (See Hubbard, Adra M., assignor.)
- Henderson, Ralph I., Charleston, W. Va. Fishing tool. 1,772,437; Aug. 5.
- Henderson, Robert H., East Orange, N. J. Bender for thin wall conduits. 1,754,317; Apr. 15.
- Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Ear for a burial-casket handle. Des. 82,030; Sept. 10.
- Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Ear for burial-casket handles. Des. 82,086; Sept. 23.
- Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Ear for burial-casket handles. Des. 82,087; Sept. 23.
- Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Corner for burial caskets. Des. 82,088; Sept. 23.
- Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Ear for burial-casket handles. Des. 82,939; Dec. 30.
- Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Ear for burial-casket handles. Des. 82,940; Dec. 30.
- Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Corner for burial caskets. Des. 82,941; Dec. 30.
- Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Corner for burial caskets. Des. 82,942; Dec. 30.
- Henderson, Thos. S., administrator. (See Byers, Dwight.)
- Henderson, Thomas W. (See Elliott, H. L., and Carroll, assignors.)

- Henderson, William F., Colfax, Wash. Wrecker bar. 1,782,506; Nov. 25.
- Henderson, William H., Youngstown, Ohio. Process of and apparatus for slaking lime. 1,780,821; Nov. 4.
- Henderson, William W., San Francisco, and R. A. Isenberg, Los Altos, Calif. Outdoor sports field. 1,763,782; June 17.
- Hendey Machine Company, The. (See Knight, George H., assignor.)
- Hendler, Lionel M. (See Cover, Harry C., assignor.)
- Hendrich, M. W. (See Schaller, William F., assignor.)
- Hendricks, Fred H., Seattle, Wash. Automobile theft-signal switch. 1,754,360; Apr. 15.
- Hendricks, Roy G., Lakewood, assignor to The Forest City-Walworth Run Foundries Company, Cleveland, Ohio. Warm-air-heating register. 1,757,085; May 6.
- Hendrickson, Fred K., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Separator support for spinning frames. 1,747,975; Feb. 18.
- Hendrickson, Fred K., Worcester, and S. H. Helland, Whitinsville, assignors to Whitin Machine Works, Whitinsville, Mass. Thread board and guide for spinning frames. 1,771,923; July 29.
- Hendrickson, Fred K., Worcester, and H. Mitchell, Whitinsville, Mass., assignors to Whitin Machine Works, Whitinsville, Mass. Twister head. 1,774,371; Aug. 26.
- Hendrickson, Fred K., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Scavenger mechanism for spinning frames. 1,774,372; Aug. 26.
- Hendrickson, John B., Philadelphia, Pa., assignor to Welding Engineers Incorporated. Apparatus for electric welding. 1,749,765; Mar. 11.
- Hendrickson, John B., Philadelphia, Pa., assignor to Welding Engineers Incorporated. Welding hydraulic apparatus. 1,755,321; Apr. 22.
- Hendrickson, Robert O. and C. B. Larsen, assignors to J. I. Case Company, Racine, Wis. Air cleaner for internal-combustion engines. 1,761,014; June 3.
- Hendrickson, Robert O., assignor to J. I. Case Company, Racine, Wis. Air cleaner for internal-combustion engines. 1,766,124; June 24.
- Hendrickson, Walter H., assignor to Emerson-Brantingham Corporation, Rockford, Ill. Kitchen cabinet and refrigerator. 1,763,306; June 10.
- Hendrix, Roy, South Carrollton, Ky. Porch swing. 1,769,509; July 1.
- Hendrix, William R., Pacific Palisades, assignor of one-half to H. A. Hyde, Santa Monica, Calif. Steering mechanism. 1,749,816; Mar. 11.
- Hendrix, William R., Pacific Palisades, assignor of one-half to H. A. Hyde, Santa Monica, Calif. Water-regulating device. 1,780,589; Nov. 4.
- Hendry, Johnson F., Schenectady, N. Y., assignor to General Electric Company. Thermo-electronic device. 1,758,833; May 13.
- Hendry, William F., Ossining, N. Y., assignor to Manhattan Electrical Supply Company, Inc. Gas-filled tube. 1,758,516; May 13.
- Hendry, William F., Ossining, assignor to Halliwell-Shelton Electric Corporation, New York, N. Y. Massaging machine. 1,758,663; May 13.
- Hendry, William F., Ossining, assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y. Door-check. 1,759,846; May 27.
- Hendry, William F., Ossining, assignor to E. D. Anderson, Inc., New York, N. Y. Wrapping packages. 1,768,982; July 1.
- Hendry, William F., Ossining, assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y. Manufacture of luminescent tubes. 1,769,025; July 1.
- Hendry, William F., Ossining, assignor to Manhattan Electrical Supply Co., Inc., New York, N. Y. Package wrapping and sealing machine. 1,769,135; July 1.
- Hendry, William F., Ossining, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry-cell-sealing device. 1,775,764; Sept. 16.
- Hendry, William F., Ossining, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Flashlight. 1,778,800; Oct. 21.
- Hendry, William F., Ossining, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Making dry cells. 1,786,945; Dec. 30.
- Hendry, William F., Westchester, assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y. Electric sign and controlling circuits therefor. 1,769,060; July 1.
- Hendryx, Andrew B., Company, The. (See Chadwick, Alfred, assignor.)
- Hendryx, Andrew B., Company, The. (See Greene, Frederick E., assignor.)
- Hendryx, Andrew B., Company, The. (See Hendryx, Nathan W., assignor.)
- Hendryx, Andrew B., Company, The. (See Hoefler, George C., assignor.)
- Hendryx, Andrew B., Company, The. (See Leon, Lewicki J., assignor.)
- Hendryx, Andrew B., Company, The. (See Tullis, Ross L., assignor.)
- Hendryx, Dwight B., assignor to Hanley Company, Bradford, Pa. Recuperator. 1,769,994; July 8.
- Hendryx, Nathan W., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird-cage body. Des. 80,485; Feb. 11.
- Hendryx, Nathan W., assignor to The A. B. Hendryx Company, New Haven, Conn. Bird cage. 1,771,491; July 29.
- Henebry, Leo F., assignor to Norfolk & Western Veterans Association, Roanoke, Va. Lapel button. Des. 81,237; May 27.
- Henglein, Friedrich A., Cologne-Deutz, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of metallic nitrates. 1,783,647; Dec. 2.
- Hengst, Frederick A., Racine, Wis. Method of and apparatus for straightening and solidifying electrotype plates and the like. 1,757,569; May 6.
- Hen Houses, Inc. (See Errett, A. J., and Pesek, assignors.)
- Henin, René, Haine-St.-Paul, Belgium. Planetary transmission mechanism. 1,774,831; Sept. 2.
- Henke, Anna, Sawyer, N. Dak. Box. 1,769,430; July 1.
- Henke, Clyde O. (See Gubelmann, I., and Henke.)
- Henkel, Frederick, Los Angeles, Calif. Sprinkler head. 1,760,903; June 3.
- Henken, Samuel L. (See Rothenberg, H., and Henken.)
- Henkes, Peter M., assignor to George Gorton Machine Company, Racine, Wis. Engraving machine. 1,750,594; Mar. 11.
- Henle, Franz, and B. Vossen, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 6-chloro-2-amino-1-methylbenzene-4-sulphonic acid. 1,755,648; Apr. 22.
- Henle, Franz, and B. Vossen, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing 6-chloro-2-nitro-1-methylbenzene-4-sulphonic acid. 1,759,554; May 20.
- Henle, Franz, and B. Vossen, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Uniform sulphonic acids of 6-chloro-2-amino-1-methylbenzene and preparing same. 1,773,706; Aug. 19.
- Henley, Joseph A., et al., executors. (See Lally, John.)
- Henley's, W. T., Telegraph Works Company. (See Dunsheath, Percy, assignor.)
- Henley's, W. T., Telegraph Works Company Limited. (See Judge, Ernest E., assignor.)
- Henneberger, Thomas C., Montclair, N. J., assignor to American Telephone and Telegraph Company. Apparatus for testing open wire joints. 1,745,419; Feb. 4.
- Hennebute, Henri, and E. Goutal, Paris, assignors to Société Anonyme "La Carbonite", St. Denis-sur-Seine, France. Tar-separating apparatus. 1,760,058; May 27.
- Hennegan, Joseph F., Cincinnati, Ohio. Rosary. 1,774,059; Aug. 26.
- Hennequin, Henry H., Seven Kings, assignor to Yardley & Company, Limited, London, England. Press for molding soap and like plastic materials. 1,770,646; July 15.
- Hennessey, Frank P., Evanston, Ill. Holding device. 1,773,676; Aug. 19.
- Hennessey, William H., Valparaiso, Chile, assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Crate. 1,746,470; Feb. 11.
- Hennessey, Charles C., Indianapolis, Ind. Writing board. 1,752,989; Apr. 1.
- Hennessey, Daniel E., Cambridge, assignor to Lewis-Shepard Company, Watertown, Mass. Platform. 1,745,617; Feb. 4.
- Hennessey, Daniel E., Cambridge, assignor of sixty per cent to Lewis-Shepard Company, Watertown, Mass. Protective wrapper for springs and the like. 1,757,633; May 6.
- Hennessey, Daniel E., assignor to Lewis-Shepard Company, Watertown, Mass. Elevating truck. 1,769,995; July 8.
- Hennessey, Daniel E., Cambridge, assignor to Lewis-Shepard Company, Watertown, Mass. Resilient floor platform. 1,770,614; July 15.
- Hennessey, James J., New York, N. Y. Automatic drain. 1,748,982; Mar. 4.
- Hennessey, Mark M., executor. (See Johnson, J. A., and Chalmers.)
- Hennessey, Patrick, Glendale, Calif. Adze-handle tightener. 1,775,765; Sept. 16.
- Hennessey, Richard T., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Knife-sharpening device. 1,746,353; Feb. 11.
- Hennicke, Carl R., assignor to The Eberhard Manufacturing Company, Cleveland, Ohio. Door latch. 1,771,677; July 29.
- Hennicke, Carl R., assignor to The Eberhard Manufacturing Company, Cleveland, Ohio. Hood fastener. 1,771,678; July 29.
- Hennig, Otto E., Joanna, Australia. Sawing machine for tree felling and log cutting. 1,778,321; Oct. 14.
- Henning, Bessie, Los Angeles, Calif. Pie-pan attachment. 1,768,954; July 1.
- Henning, Clarence I. B., and C. E. Burke, Wilmington, Del., and E. E. Reid, Baltimore, Md., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal salts of phthalic esters. 1,742,506; Jan. 7.
- Henning, Clarence I. B., and C. E. Burke, Wilmington, Del., and E. E. Reid, Baltimore, Md., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,742,507; Jan. 7.

- Henning, Clarence I. B., and C. E. Burke, Wilmington, Del., and E. E. Reid, Baltimore, Md., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Varnish. 1,742,508; Jan. 7.
- Henning, Clarence I. B., and C. E. Burke, Wilmington, Del., and E. E. Reid, Baltimore, Md., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,742,509; Jan. 7.
- Henning, Frederick C. (See Tollmann, Jerry, assignor.)
- Henning, Henry H., Pymble, near Sydney, New South Wales, Australia. Electric heating apparatus for liquids. 1,782,069; Nov. 18.
- Henning, Mortie, assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Apparatus for assembling armatures. 1,753,605; Apr. 8.
- Henning, Paul J., and W. H. Judy, Buenos Aires, Argentina. Piston ring. 1,754,625; Apr. 15.
- Henninger, Arthur H. (See Benner, R. C., and Henninger.)
- Henninger, Arthur H., Flushing, assignor to General Chemical Company, New York, N. Y. Determining hydrogen sulphide in gas mixtures containing sulphur dioxide, carbonyl sulphide, etc. 1,770,694; July 15.
- Hennings, Charles H., Chicago, Ill., assignor to Hennings Manufacturing Co. Cage. 1,772,003; Aug. 5.
- Hennings Manufacturing Co. (See Hennings, Charles H., assignor.)
- Henningsen, Carleton. (See Blanco, G. W., and Henningsen.)
- Henningsen, Poul, Charlottenlund, near Copenhagen, assignor to Messrs. Louis Poulsen & Company, Copenhagen, Denmark. Reflector for incandescent lamps. 1,757,527; May 6.
- Hénocque, Victor A., Las Basse-Croisille, par Conches, Eure, and H. Schmidt, Paris, France. Process and apparatus for obtaining new radiations. 1,754,950; Apr. 15.
- Henrard, Fernand, Brussels, assignor to Ecremeuses Melotte, Societe Anonyme, Remicourt, Belgium. Separating machine for milk. 1,787,311; Dec. 30.
- Henrich, Josef, Rheydt, Germany. Machine for subdividing bars while being rolled. 1,748,289; Feb. 25.
- Henricks, Arthur G., and H. L. Mitchell, assignors to Harnischfeger Corporation, Milwaukee, Wis. Steering gear. 1,767,524; June 24.
- Henricson, Edwin, Detroit, Mich. Jig. 1,769,644; July 1.
- Henrikson, Carl G. (See Fisher, G. W., and Henrikson.)
- Henrikson, Frank W., Mulberry, Kans. Car coupling. 1,751,154; Mar. 18.
- Henrikson, Gust, Seattle, Washs. Trawl reel. 1,768,981; July 1.
- Henri-Labourdette, Jean, Courbevoie, France. Fastening and tensioning means for removable vehicle roof coverings. 1,746,779; Feb. 11.
- Henroteau, Francois C. P., Ottawa, Ontario, Canada. Sound-reproducing apparatus. 1,747,936; Feb. 18.
- Henry, Abner E., Greensburg, Pa. Auto seat. 1,769,343; July 1.
- Henry, Arthur J., assignor of one-half to S. J. Bush, Los Angeles, Calif. Circulation element for tanks. 1,755,599; Apr. 22.
- Henry, Beulah L., assignor of one-half to E. A. Guinsburg, New York, N. Y. Closure construction. 1,769,259; July 1.
- Henry, Cashly A., Dayton, Ohio. Electric condenser for high-tension ignition circuits. 1,756,486; Apr. 29.
- Henry, Cashly A., Dayton, Ohio. Can opener. 1,772,665; Aug. 12.
- Henry, Charles A., Foley, and N. Krump, Oak, Ala. Oil burner. 1,775,458; Sept. 9.
- Henry, Charles K., Newark, N. J. Tamper indicating device. 1,772,252; Aug. 5.
- Henry, Clayton E., Kansas City, Kans., assignor of one-half to H. J. Brill Kansas City, Mo. Adjustable tool holder for lathes, etc. 1,768,762; July 1.
- Henry, Earl S. (See Elliott, W. C., and Henry.)
- Henry, Earl S., Medford, Okla. Steam scoring machine for ice. Re17,630; Apr. 1.
- Henry, Edward P. (See Morton, R. A., and Henry.)
- Henry, Eugene, Detroit, Mich. Automobile emblem plate. Des. 80,380; Jan. 21.
- Henry, Floyd P., Braddock, N. Dak. Automatic trap nest. 1,743,213; Jan. 14.
- Henry, George W., Jr., and S. J. Thackeray, assignors to Soabar Company, Philadelphia, Pa. Ticket and label printing machine. 1,765,158; June 17.
- Henry, Gerald J., Boston, Mass. Electric-light fixture. 1,750,006; Mar. 11.
- Henry, Harold T. (See Rumford, F., and Henry.)
- Henry, Henry L., Burbank, assignor of one-half to J. R. Preter, Los Angeles, Calif. Lawn sprinkler. 1,766,514; June 24.
- Henry, John W., Crawfordsville, Ind. Block-molding machine. 1,774,648; Sept. 2.
- Henry, Louis. (See Cauté, Louis, assignor.)
- Henry, William C. (See Odenbach, J. H., Goldman, and Henry.)
- Henry, William P. (See Brewster, C. L., and Henry.)
- Henry, William T. (See Pike, William A. and H. M., and Henry.)
- Henschel, Abraham L., New York, N. Y. Calcimine mixer. 1,775,345; Sept. 9.
- Henschel, C. B., Mfg. Co. (See Radloff, E. E., and Janke, assignors.)
- Henschel, Georg. (See Specketer, H., and Henschel.)
- Henschell, Ferdinand A. (See Dixon, A. H., Robson, and Henschell.)
- Hensel, Harry C., Seattle, Wash. Brush burner. 1,774,005; Aug. 26.
- Hensel, Richard, and E. Sausmikak, Hoboken, N. J. Illuminated house number. 1,742,807; Jan. 7.
- Hensel, Walter, Chelsea, Mass. Garment rack. 1,744,382; Jan. 21.
- Henshaw, Charles R. (See Gibson, W., and Henshaw.)
- Henshaw, Charles R., et al. (See Gibson, W., Henshaw, and Payman.)
- Hensing, Johann C., Arnhem, and J. W. Lubberhuizen, Ede, assignors to Naamlooze Vennootschap Nederlandsche Kunststijdefabriek, Arnhem, Netherlands. Spinning bowl. 1,763,520; June 10.
- Hensley, Arvie B., Bluefield, W. Va. Wick lifter. 1,774,795; Sept. 2.
- Hensley, William T. (See Trundle, George T., jr., assignor.)
- Hensley, William T., Indianapolis, Ind. Method of and machine for making annular laminated bodies. 1,769,950; July 8.
- Hensley, William T., Indianapolis, Ind., and R. H. Lewis, Cleveland, Ohio; said Lewis assignor to said Hensley. Apparatus for making laminated pulley units. 1,765,270; June 17.
- Henson, Andrew M. (See Glover, M. S., Henson, and Shepherd.)
- Henszey, Roy O., Oconomowoc, Wis. Purifying boiler water. 1,786,113; Dec. 23.
- Hentrich, Winfrid. (See Duisberg, W., Hentrich, and Zeh.)
- Hentrich, Winfrid. (See Lommel, W., Münzel, Hentrich, and Hardtmann.)
- Hentrich, Winfrid. (See Neelmeier, W., and Hentrich.)
- Hentrich, Winfrid, and M. Hardtmann, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs which are complex copper-amine compounds. 1,746,651; Feb. 11.
- Hentrich, Winfrid, and M. Hardtmann, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Condensation product of the benzodiazine series. 1,758,792; May 13.
- Hentrich, Winfrid, M. Hardtmann, Wiesdorf-on-the-Rhine, and E. Tietze, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing dyeings on the fiber. 1,759,258; May 20.
- Hentrich, Winfrid, M. Hardtmann, Wiesdorf-on-the-Rhine, and R. Knoche, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation product of the benzodiazine series. 1,780,879; Nov. 4.
- Hentrich, Winfrid, and L. Zeh, Wiesdorf, near Cologne, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New acid azo dyestuffs and making the same. 1,746,939; Feb. 11.
- Hentrich, Winfrid, and L. Zeh, Wiesdorf-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Heavy metal complex compounds of ortho-hydroxy-azo-perimidine dyestuffs. 1,746,940; Feb. 11.
- Hentschel, Paul A., Baltimore, Md. Flue deflector for gas stoves. Des. 81,645; July 22.
- Hentschel, Paul J., Baltimore, Md. Flue deflector for gas stoves. Des. 81,566; July 8.
- Hentschel, Paul J., assignor to Monarch Products Company, Baltimore, Md. Grease absorbing and deflecting attachment for gas-stove flues. 1,764,954; June 17.
- Hentschell, Charles, et al. (See Wheldon, George H., assignor.)
- Heny, Walter G., and E. G. Schutz, Elwood, Nebr. Tongs. 1,751,155; Mar. 18.
- Henze, Joseph J. (See Small, G. A., and Henze.)
- Henze, Paul, and G. S. Gillberg, assignors to Electro-Motive Instrument Co., Detroit, Mich. Therapeutic articulating apparatus. 1,765,669; June 24.
- Heon, Horace C., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Cylinder-grinding tool. 1,774,711; Sept. 2.
- Hepburn, Charles, Beebe, Quebec, Canada. Stonecutting machine. 1,768,525; June 24.
- Hepburn, Donald M., assignor to Amiesite Asphalt Company of America, Philadelphia, Pa. Bitumen road paving. 1,779,067; Oct. 21.
- Hepburn, Donald McK., Philadelphia, Pa. Shoe with in-step pads. 1,753,415; Apr. 8.
- Hepburn, Donald McK., Philadelphia, and S. S. Sadler, Springfield Township, Montgomery County, Pa., assignors to Amiesite Asphalt Company of America, Camden, N. J. Making paving material. 1,774,649; Sept. 2.
- Hepburn, Louis L., Philadelphia, Pa. Bilge pump. 1,769,136; July 1.
- Hepburn, William M., assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Conveyer for use with furnaces. 1,752,432; Apr. 1.
- Hepburn, William M., assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Burning explosive gaseous mixtures. 1,763,047; June 10.
- Hepler, Roy W. (See Russ, A. B., and Hepler.)
- Hepner, Harry W., Syracuse, N. Y. Toy. 1,753,926; Apr. 8.
- Hepp, Friedrich, Barmen-Wichlinghausen, Germany. Machine for assembling newspapers, periodicals, and the like. 1,779,130; Oct. 21.
- Heppenstall Company. (See Succop, John A., assignor.)

- Hepperlen, John A., East Orange, N. J., assignor to General Electric Company. System of motor control. 1,751,404; Mar. 18.
- Heppes, George P., Chicago Heights, Ill., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Machine for making roofing. 1,765,834; June 24.
- Heppes, George P., Chicago Heights, Ill., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Saturating sheet material. 1,776,586; Sept. 23.
- Herb, Otto J. (See Thomas, G. F., and Herb.)
- Herbert, David W., assignor of one-half to W. R. Hooven. Brookline, Pa. Electrically-operative sterilizer. 1,778,704; Oct. 14.
- Herbert, Edward J. (See Sussman, Jacob H., assignor.)
- Herbig, Elwood H., Great Neck, assignor to C. M. Vought, Grenwolde, Great Neck, N. Y. Aircraft. 1,751,631; Mar. 25.
- Herbert, Sigmund, New York, N. Y. Picture support. 1,778,636; Oct. 14.
- Herbest, Thomas R., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Metallic screen. 1,776,285; Sept. 23.
- Herbest, Thomas R., and C. J. Hoffman, assignors to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Metallic edging. 1,776,284; Sept. 23.
- Herbison, Nellie R., Ventura, Calif. Doll. 1,778,670; Oct. 14.
- Herbsman, Abraham M., Huntington Park, Calif. Treating colloids. 1,783,471; Dec. 2.
- Herbst, Ernest, and H. Kohler, Hoboken, N. J. Automatic dispenser for liquids. 1,786,302; Dec. 23.
- Herbst, Frank, Wilmington, N. C. Boat-propeller unit. 1,774,886; Sept. 2.
- Herbst, Henry W., Chicago, Ill., assignor, by mesne assignments, to The Philip Carey Manufacturing Company. Rail-expansion sound deadener. 1,771,078; July 22.
- Herbst, Paul, Bremen, Germany. Submersible device. 1,776,971; Sept. 30.
- Herbster, Benjamin H., assignor to Chapline-Mayer Shoe Company, Milwaukee, Wis. Forming back-heel seams for footwear. 1,759,643; May 20.
- Herby, Wilbur R., and R. J. Unger, Dayton, Ohio. Building structure. 1,782,121; Nov. 18.
- Hercules Powder Company. (See Babcock, Leon W., assignor.)
- Hercules Powder Company. (See Borglin, Joseph N., assignor.)
- Hercules Powder Company. (See Crater, Willard de C., assignor.)
- Hercules Powder Company. (See Humphrey, Irvin W., assignor.)
- Hercules Powder Company. (See Johnston, Alan C., assignor.)
- Hercules Powder Company. (See Norman, George M., assignor.)
- Hercules Powder Company. (See Pickett, Oscar A., assignor.)
- Hercules Powder Company. (See Shimer, Abraham A., assignor.)
- Hercules Powder Company. (See Smith, Lee T., assignor.)
- Hercules Powder Company. (See Symmes, Ernest M., assignor.)
- Hercules Products, Inc. (See Reidhaar, Frank P., assignor.)
- Herdemerten, Carl, Niederschreiberhau, assignor to firm Minimax Act.-Ges., Berlin, Germany. Apparatus for charging and cleaning boreholes by means of compressed air. 1,746,395; Feb. 11.
- Hereward, Herbert W. (See Thomas, J., and Hereward.)
- Herier, Joseph, Avery, Idaho. Supercharger. 1,746,309; Feb. 11.
- Heritage, Clark C., Cornell, Wis. Board machine. 1,746,255; Feb. 11.
- Heritage, Clark C., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Filter discharger. 1,781,389; Nov. 11.
- Herklotz, Max H., executor. (See Wieland, Max.)
- Herkt, Ernst, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Device for operating internal-combustion engines with an ignition chamber. 1,750,403; Mar. 11.
- Herkt, Ernst, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Internal-combustion engine. 1,752,082; Mar. 25.
- Herkt, Ernst, Kiel, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Bed for vertical internal-combustion engines. 1,766,383; June 24.
- Herkt, Ernst, Kiel, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Internal-combustion engine. 1,773,226; Apr. 19.
- Hertl, Dragutin. (See Bueter, Hermann, assignor.)
- Herlach, Fritz. (See Schüler, H., and Herlach.)
- Herlach, Fritz, assignor to Rheinische Metallwaren-und Maschinenfabrik, Dusseldorf, Germany. Automatic firearm with sliding barrel and locked breech. 1,770,135; July 8.
- Herlach, Fritz, and T. Rakula, Dusseldorf, assignors to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Automatic firearm. 1,746,471; Feb. 11.
- Herlach, Fritz, and T. Rakula, Dusseldorf, assignors to Rheinische Metallwaren-und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Automatic firearm with two cartridge magazines. 1,784,355; Dec. 9.
- Herlich, Samuel, Philadelphia, Pa. Bathing suit. 1,770,615; July 15.
- Herlihy, Theodore E., assignor of one-third to C. H. Herman, Los Angeles, Calif. Separable connector. 1,779,373; Oct. 28.
- Herlihy, Theodore S., et al. (See Van Leunen, Edgar, assignor.)
- Herlitz, Ivar. (See Ytterberg, A., and Herlitz.)
- Herman, Albert F., Cleveland, Ohio, assignor to National Carbon Company, Inc. Terminal and making same. 1,751,405; Mar. 18.
- Herman, Gottlieb J., Orrville, Ohio. Pickling receptacle. 1,776,558; Sept. 23.
- Herman, Joseph. (See Mitchell, D., and Herman.)
- Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Set for measuring operating time of relays. 1,765,585; June 24.
- Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Electrical communication-receiving apparatus. 1,769,431; July 1.
- Herman, Joseph M., Shoe Company. (See O'Donnell, Francis J., assignor.)
- Herman, Louis, Brooklyn, N. Y. Doll. 1,750,404; Mar. 11.
- Herman-Nelson Corporation. (See Shurtleff, Wilfred, assignor.)
- Herman, Raymond L., New York, N. Y. Screw driver and other tool. 1,769,510; July 1.
- Herman, Vernal V., Vancouver, Wash. Fog, frost, and snow eliminator. 1,768,404; June 24.
- Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Lunch kit. 1,748,841; Feb. 25.
- Hermani, Henry, Baltimore, Md., assignor to The American Tobacco Company, New York, N. Y. Telescopicall-collapsible box or can. 1,770,920; July 22.
- Hermann, Louis, Pleasanton, Nebr. Hog holder. 1,746,115; Feb. 4.
- Hermann, Charles H. (See Herlihy, Theodore E., assignor.)
- Hermann, Edward O., Mill Valley, assignor to Cobb Connector Company, Los Angeles, Calif. Train-pipe coupler. 1,786,066; Dec. 23.
- Hermann Manufacturing Company, The. (See Larson, Oscar E., assignor.)
- Hermann, Otto, Philadelphia, Pa., assignor to Century Rotary Motor Corporation, Wilmington, Del. Internal-combustion rotary engine and operating it. 1,742,706; Jan. 7.
- Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Strip-serving machine. 1,782,922; Nov. 25.
- Hermans, Theodorus H. (See Vermeulen, R., van Urk, and Hermans.)
- Hermansen, Carl, Astoria, N. Y. Combined pillow, sunshade, and life preserver. 1,746,833; Feb. 11.
- Hermes Makyar Altalanos Valtouzet Reszvenytarsasag. (See Schimanek, Emil, assignor.)
- Hermsdorf, Ewald, Brunswick, Germany. Apparatus for supplying powdered fuel to furnaces. 1,749,817; Mar. 11.
- Hernandez, Jesus G., Seattle, Wash. Portable lavatory. 1,783,712; Dec. 2.
- Hernes, Frank, and R. Winkler, Chicago, Ill. Combined table and amusement game. 1,755,062; Apr. 15.
- Herold, Paul, and H. Langheinrich, Neurossen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of organic compounds containing oxygen. 1,743,214; Jan. 14.
- Herold, Walter F., Upper Montclair, N. J. Receptacle for cigarette ashes and the like. Re17,598; Feb. 18.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,745,992; Feb. 4.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,749,880; Mar. 11.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Producing spring rings. 1,752,982; Apr. 1.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,752,983; Apr. 1.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,753,431; Apr. 8.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster socket. 1,755,322; Apr. 22.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Furniture slide or shoe. 1,757,962; May 13.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Furniture rest or shoe. 1,757,963; May 13.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster-bracket socket. 1,758,000; May 13.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,758,001; May 13.

- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,771,788; July 29.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,781,815; Nov. 18.
- Herr, Adam, Sheboygan, Wis. Garage-door operator. 1,753,340; Apr. 8.
- Herr, Benjamin M. (See Harris, Eliot H., assignor.)
- Herr, Harvey E., assignor to Herr Manufacturing Co., Inc., Buffalo, N. Y. Self-lubricating spinning ring. 1,745,795; Feb. 4.
- Herr, Harvey E., assignor to Herr Manufacturing Co., Inc., Buffalo, N. Y. Holder for spinning rings. 1,745,796; Feb. 4.
- Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Internal-combustion engine. 1,748,478; Feb. 25.
- Herr, Homer A., Philadelphia, Pa. Magnetic clutch. 1,765,670; June 24.
- Herr Manufacturing Co. (See Herr, Harvey E., assignor.)
- Herren, Earl R., Lorain, Ohio. Window ventilator. 1,748,552; Feb. 25.
- Herren, Wilson T. (See Otis, S., and Herren.)
- Herrick, Horace T., O. E. May, and H. W. Titus, Washington, D. C.; said May and said Titus assignors to said Herrick. Feed. 1,767,178; June 24.
- Herrick, Thomas E., Jr., Philadelphia, Pa. Cylinder structure. 1,781,582; Nov. 11.
- Herrick, William T., Tulsa, Okla. Cigarette and cigar extingisher. 1,744,763; Jan. 28.
- Herring, Andrew S. (See Taylor, Raymond A., assignor.)
- Herring, Eugene, New Orleans, La., assignor to Elm City Cotton Mills, La Grange, Ga. Loom. 1,762,717; June 10.
- Herring, Frank W., Detroit, Mich. Sand-washing meter. 1,770,308; July 8.
- Herring, Walter W., Oklahoma City, Okla. Doorframe. 1,748,766; Feb. 25.
- Herriott, William, Freeport, assignor to Fairchild Aviation Corporation, New York, N. Y. Transformer printing camera. 1,778,027; Oct. 14.
- Herris, Frederick S., Los Angeles, Calif. Fishing pole. 1,748,223; Feb. 25.
- Herrmann, Adolph S., New York, N. Y. Woven textile article. 1,775,346; Sept. 9.
- Herrmann, Arnold J., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Pipe packing. 1,775,459; Sept. 9.
- Herrmann, Charles A., Penn Yan, N. Y. Boat. 1,760,696; May 27.
- Herrmann, Heinrich, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Variable-speed gear. 1,775,460; Sept. 9.
- Herrmann, Isaac, Elyria, Ohio, assignor to The Undertakers' Supply Co., Chicago, Ill. Headrest. 1,748,954; Mar. 4.
- Herrmann, Karl L., assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 1,759,943; May 27.
- Herrmann, Paul E., assignor to Herrmann Supply Company Inc., New York, N. Y. Hair clamp. 1,761,830; June 3.
- Herrmann, Richard, Frankfort-on-the-Main, Germany. Machine for the production of the faces of teeth of gear wheels. 1,773,677; Aug. 19.
- Herrmann, Robert, New York, N. Y. Fitted traveling bag. 1,752,948; Apr. 1.
- Herrmann Supply Company Inc. (See Herrmann, Paul E., assignor.)
- Herrmann, Willy O., and E. Baum, assignors to Consortium für Elektrochemische Industrie, Munich, Germany. Preparation of condensation products of ethyl alcohol. 1,755,692; Apr. 22.
- Herrmann, Willy O., and H. Deutsch, Munich, assignors to Consortium für Elektrochemische Industrie G. m. b. H., Munich, Bavaria, Germany. Solid resinous condensation product. 1,767,759; June 24.
- Herrmann, Willy O., and W. Haehnel, assignors to Consortium für Elektrochemische Industrie, Munich, Germany. Adhesive composition. 1,784,008; Dec. 9.
- Herron, Albert O., Waterbury, Conn. Machine for forming hot metal. 1,755,323; Apr. 22.
- Herron, James C., assignor to Reflector & Illuminating Co., Chicago, Ill. Ventilating cowl for flood lights or the like. 1,772,894; Aug. 12.
- Herron, James S., Covington, Okla. Power-control mechanism. 1,775,038; Sept. 2.
- Herron, Wilmer B. (See Palmer, N. P., and Herron.)
- Herrschaft, William, New York, N. Y. Producing theatrical effects. 1,785,347; Dec. 16.
- Hersam, Conrad O. (See Logue, Charles H., assignor.)
- Herschdorfer, Arthur, and G. Asness, New York, N. Y. Combined spraying and polishing machine. 1,769,291; July 1.
- Herschmann, Arthur J., New York, N. Y. Match-holding paper weight. Des. 82,502; Nov. 11.
- Hersee, F. C., Company. (See Hersee, F. C., and Wiley, assignors.)
- Hersee, Frederick C., Watertown, and N. T. Wiley, Somerville, assignors to F. C. Hersee Company, Watertown, Mass. Lamp socket and terminal therefor. 1,765,793; June 24.
- Hersee, Frederick C., Watertown, and N. T. Wiley, Somerville, assignors to F. C. Hersee Company, Watertown, Mass. Lamp socket and terminal therefor. 1,770,667; July 15.
- Hersey, Ralph E. (See Carpenter, W. W., and Hersey.)
- Hersh, Earl F., McAllen, Tex. Cooling or refrigerating structure. 1,749,343; Mar. 4.
- Hersh, Harry, Milwaukee, Wis. Cover. 1,762,985; June 10.
- Hershberg, Samuel M., Brooklyn, N. Y. Combination printing camera and paper-supplying mechanism. 1,754,890; Apr. 15.
- Hershberger, David C., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Current-collecting device. 1,754,016; Apr. 8.
- Hershey, Carl G., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Measuring instrument. 1,756,005; Apr. 22.
- Hershey, Irving, Denver, Colo. Radioantenna. 1,744,548; Jan. 21.
- Hershey, Orville S., Chicago, assignor, by mesne assignments, to Oakes Products Corporation, North Chicago, Ill. Automobile lock. 1,772,043; Aug. 5.
- Hershey, Orville S., Chicago, assignor, by mesne assignments, to Oakes Products Corporation, North Chicago, Ill. Automobile lock. 1,772,044; Aug. 5.
- Hershman, Okla H., Indianapolis, Ind. Filling device for cigar lighters. Des. 81,980; Sept. 9.
- Hershman, Paul R., assignor of one-fourth to C. O. Sethness, one-fourth to C. H. Sethness, and one-fourth to P. Rudnick, Chicago, Ill. Hypochlorite in colloidal form and making the same. 1,765,013; June 17.
- Hershman, Paul R., assignor of one-fourth to C. O. Sethness, one-fourth to C. H. Sethness, and one-fourth to P. Rudnick, Chicago, Ill. Making easily soluble stable hypochlorites. 1,784,286; Dec. 9.
- Herskowitz, Adolf, & Son, Inc. (See Herskowitz, Joseph, assignor.)
- Herskowitz, Joseph, Woodhaven, assignor to Adolf Herskowitz & Son, Inc., Brooklyn, N. Y. Overalls. 1,783,538; Dec. 2.
- Hertel, Otto H., assignor to Old Ben Coal Corporation, Chicago, Ill. Carbonizing apparatus. 1,783,190; Dec. 2.
- Hertel, William, Jr., Van Wert, Ohio. Knockdown platform. 1,774,140; Aug. 26.
- Herthel, Eugene C. (See Isom, E. W., and Herthel.)
- Herthel, Eugene C. (See Pelzer, F. L., and Herthel.)
- Herthel, Eugene C. (See Vobach, A. C., and Herthel.)
- Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,755,600; Apr. 22.
- Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,755,601; Apr. 22.
- Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,761,340; June 3.
- Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Manufacture of acid extracts, alcohols, and the like from gas or vapor mixtures. 1,761,341; June 3.
- Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,772,865; Aug. 12.
- Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,781,388; Nov. 11.
- Herthel, Eugene C., Chicago, Ill., and E. W. Isom, Locust Valley, N. Y., assignors to Sinclair Refining Company, Chicago, Ill. Cracking of oils. 1,781,390; Nov. 11.
- Herthel, Eugene C., Chicago, Ill., and H. L. Pelzer, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y. Manufacture of lubricating oils. 1,756,153; Apr. 29.
- Herthel, Eugene C., Chicago, Ill., and H. L. Pelzer, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y. Refining hydrocarbon oils. 1,756,154; Apr. 29.
- Herthel, Eugene C., Chicago, Ill., and H. L. Pelzer, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y. Refining hydrocarbon oils. 1,756,156; Apr. 29.
- Herthel, Eugene C., Chicago, Ill., and H. L. Pelzer, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,773,180; Aug. 19.
- Herthel, Eugene C., Chicago, Ill., and H. L. Pelzer, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,777,307; Oct. 7.
- Herthel, Eugene C., Chicago, Ill., H. L. Pelzer, Highland, and J. G. Stafford, Whiting, Ind., assignors to Sinclair Refining Company, New York, N. Y. Refining hydrocarbon oils. 1,756,155; Apr. 29.
- Herthel, Eugene C., and T. De C. Tift, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,747,437; Feb. 18.
- Herthel, Eugene C., and T. De C. Tift, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,760,357; May 27.
- Herthel, Eugene C., and T. D. Tift, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,773,181; Aug. 19.
- Hertz, Jørgen, Copenhagen, Denmark. Coffee mill. 1,760,755; May 27.

- Hertzberg, Harry, Brooklyn, N. Y. Oil mop. 1,757,365; May 6.
- Hertzberg, Harry, Brooklyn, N. Y. Cleaning and polishing implement. 1,757,366; May 6.
- Hertzberg, Harry, Brooklyn, N. Y. Wringer mop. 1,760,695; May 27.
- Hertzberg, Harry, Brooklyn, N. Y. Holder for dusters and the like. 1,784,287; Dec. 9.
- Hertzberg, Harry, Brooklyn, assignor, by mesne assignments, to The M. Propp Co. Inc., New York, N. Y. Electric-lamp socket. 1,784,440; Dec. 9.
- Hertzberg, William, Brooklyn, N. Y. Machine for making tufts on wire brushes. 1,757,367; May 6.
- Hertzer, Carl G., Tiffin, Ohio. Ice-cream dipper. 1,760,358; May 27.
- Hervey, David F., Logansport, Ind. Handle for implements. 1,762,718; June 10.
- Herz, Alfred, Chicago, Ill. Meter. 1,760,646; May 27.
- Herz, Alfred, Chicago, Ill. Electric door release. 1,772,604; Aug. 12.
- Herz, Alfred, Chicago, Ill. Anti-induction shield. 1,782,875; Nov. 25.
- Herz, Gustave L. (See Michel, H., and Riedl, assignors.)
- Herz, Richard, and E. Albrecht, Frankfort-on-the-Main, Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacturing vic. trihalogenbenzenes. 1,766,747; June 24.
- Herz, Richard, Frankfort-on-the-Main, F. Farr, Fechenheim, near Frankfort-on-the-Main, K. Thiess, and C. J. Müller, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenated aminothionaphthene-2,3'-indole-indigoid dyestuffs. 1,778,076; Oct. 14.
- Herz, Richard, Frankfort-on-the-Main, E. Runne, Höchst-on-the-Main, and E. Albrecht, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Tri halogen benzene sulphochloride and preparing the same. 1,763,556; June 10.
- Herz, Richard, Frankfort-on-the-Main, and M. Schubert, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Ortho-cyanarylsulphocyanogen compounds and making the same. 1,766,820; June 24.
- Herz, Richard, Frankfort-on-the-Main, and M. Schubert, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacturing ortho-aminoarylmecaptanes. 1,784,441; Dec. 9.
- Herz, Richard, and F. Schulte, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Alkoxyderivatives of 1-aminonaphthalene-8-carboxylic acid-anhydride and making same. 1,779,314; Oct. 21.
- Herz, Richard, and F. Schulte, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Sulfoderivatives of 1-aminonaphthalene-8-carboxylic acid and making the same. 1,780,077; Oct. 28.
- Herzberg, Anton A., Waukesha, and H. O. Schultz, Milwaukee, Wis., assignors to The National Automatic Tool Company, Richmond, Ind. Slip-spindle device. 1,781,109; Nov. 11.
- Herzberg, Harry, Brooklyn, N. Y. Dusting mop. 1,781,460; Nov. 11.
- Herzberg, Wilhelm, Berlin-Wilmersdorf, and H. Lange, Dessau In Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 1- ω -aminomethyl-naphthalene sulphonic acids. 1,785,955; Dec. 23.
- Herzbrun, Isadore, et al. (See Schultis, Charles F., assignor.)
- Herzbrun, Isadore, Cleveland, Ohio. Device for controlling the discharge of liquids. 1,777,434; Oct. 7.
- Herzfeld, Harry, Hartford, Conn. Educational appliance. 1,764,448; June 17.
- Herzog, Alf. assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for directional receiving. 1,755,180; Apr. 22.
- Herzog, Carl W., Toledo, Ohio. Transmission gear. 1,753,784; Apr. 8.
- Herzog, Eugene, St. Paul, Minn. Portable light holder. 1,778,597; Oct. 14.
- Herzog, Herm., et al. (See Thiecke, Julius, assignor.)
- Herzog, Karl, Niederurnen, Switzerland, assignor to Eternit Inc., Philadelphia, Pa. Device for removing pipes made of asbestos cement. 1,744,764; Jan. 28.
- Heslop, Arthur P., Bridger, Mont. Garden-hose clamp. 1,786,612; Dec. 30.
- Hess, Arthur, Los Angeles, Calif. Adjustable floor drain. 1,779,936; Oct. 28.
- Hess, Arthur, assignor of one-half to S. L. Marsh, Los Angeles, Calif. Pipe hanger. 1,758,040; May 13.
- Hess-Bright Manufacturing Company, The. (See Russell, Charles L., assignor.)
- Hess, Carl F., Comstock Park, Mich. Automobile seat construction. 1,756,824; Apr. 29.
- Hess, Carl F., Comstock Park, Mich. Automobile seat construction. 1,762,623; June 10.
- Hess, Charles E., Donna, Tex. Agricultural implement. 1,764,449; June 17.
- Hess, Edward C., Pittsburgh, Pa. Envelope feeder. 1,784,836; Dec. 16.
- Hess, George L. (See Brink, W., and Hess.)
- Hess, Gustav. (See Krauer, K. and Hess.)
- Hess, Harry W., Los Angeles, Calif. Carburetor nozzle. 1,747,632; Feb. 18.
- Hess, Harry W., assignor to Carburetor Control Company, Los Angeles, Calif. Mixing throttle valve. 1,753,009; Apr. 1.
- Hess, Heinrich O., assignor to the firm Joh. Jacob Reiter & Co., Limited, Winterthur, Switzerland. Feeding apparatus with carding device for carding machines. 1,758,517; May 13.
- Hess, Herman O., Saginaw, Mich. Lathe for turning crank shafts. 1,781,229; Nov. 11.
- Hess, Herman O., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Lathe for turning crank shafts. 1,781,228; Nov. 11.
- Hess, John E., New Westminster, British Columbia, Canada. Helicopter. 1,742,808; Jan. 7.
- Hess, John P., Milwaukee, Wis. Cam. 1,785,736; Dec. 23.
- Hess, Louis F., Ansted, assignor to Daniel Boone Mining Machine Company, Beckley, W. Va. Mining machine. 1,774,006; Aug. 26.
- Hess, Max, Maplewood, assignor to George Kilgen & Son, Inc., St. Louis, Mo. Pipe organ. 1,764,682; June 17.
- Hess, Max, and A. N. Boehm, assignors to George Kilgen & Son, Inc., St. Louis, Mo. Combination stop action for organs. 1,770,752; July 15.
- Hess, Peter J., Richmond Hill, N. Y. Wrist exerciser. 1,774,973; Sept. 2.
- Hess, Ray W., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Sulphurized dyestuffs and making the same. 1,776,904; Sept. 30.
- Hess, Raymond W. (See Moses, F. G., Hess, and Perkins.)
- Hess, Robert F. W., Detroit, Mich. Parcel receiver. 1,752,984; Apr. 1.
- Hess, Simon B., assignor to Holmes Electric Protective Company, New York, N. Y. Burglar-alarm system. 1,752,083; Mar. 25.
- Hess, William J., Fort Wayne, Ind., assignor to Juvenile Wood Products, Inc. Child's for automobiles. 1,747,831; Feb. 18.
- Hesse, Erich, Insterburg, Germany. Device for regulating wind wheels. 1,757,667; May 6.
- Hesse Manufacturing Company, The. (See Seymour, William A., assignor.)
- Hessel, Caroline. (See Hardacker, W. E., and Hessel, assignor.)
- Hessel, Edward L. (See Hardacker, W. E., and Hessel.)
- Hessel, Max, Guttenberg, N. J. Resilient clamp socket for electric lamps in series. 1,744,383; Jan. 21.
- Hesselblad, Axel R., Lidingsö, Sweden. Liquid-soap-dispensing device. 1,774,438; Aug. 26.
- Hesselman, Knut J. E., Saltsjö-Storängen, Sweden. Fuel-injecting device for internal-combustion engines. 1,786,844; Dec. 30.
- Hessenbruch, Hermann M., Wynnewood, assignor to Philadelphia Lawn Mower Company, Inc., Philadelphia, Pa. Twisting machine. 1,772,139; Aug. 5.
- Hessenland, Max. (See Wagner, H., Brune, Hessenland, Hoffa, Müller, and Heyna.)
- Hesser, Fr., Maschinenfabrik-Aktiengesellschaft. (See Gangler, Paul, assignor.)
- Hession, Francis J., administrator. (See Dixon, John J.)
- Hession, John W., jr., Detroit, Mich. Automobile radiator ornament. Des. 82,219; Oct. 7.
- Hessler, Arthur, assignor to The Alligator Company, St. Louis, Mo. Apparel coat. 1,785,029; Dec. 16.
- Hesson, Charles M., and W. J. Koch, Midland Park, assignors to The Fred H. Knapp Corporation, Ridgewood, N. J. Can-boxing machine. 1,780,424; Nov. 4.
- Hestand, Bedford, Verden, assignor of one-half to B. Lackey, Chickasha, Okla. Cotton harvester. 1,767,979; June 24.
- Hester, Frederick C., jr., Leesburg, Fla. Airplane swing. 1,786,239; Dec. 23.
- Hester, Hayden P., and D. H. Gardner, assignors of one-third to J. F. Grillo, New Orleans, La. Electric sign. 1,765,073; June 17.
- Hester, Levi C., Jacksonville, Fla. Agricultural machine. 1,774,007; Aug. 26.
- Hester, Levi C., Jacksonville, Fla. Agricultural machine. 1,774,008; Aug. 26.
- Heston, Carl, A. E. Casady, and H. W. Pierson, San Diego, Calif. Carpenter's clamp. 1,769,511; July 1.
- Heston, Lorenzo R., and A. L. Anderson, Fairfield, Iowa. 1,748,767; Feb. 25.
- Heston, Lorenzo R., and A. L. Anderson, Fairfield, Iowa. Machine to shape flooring blocks. 1,758,734; May 13.
- Heth, Leon S., East Grand Rapids, Mich. Hydraulic shock diffuser. 1,751,696; Mar. 25.
- Hetherington, Harry C., Washington, D. C., and H. J. Krase, Clarendon, Va., assignors to Arthur B. Lamb, trustee. Manufacture of urea. 1,782,723; Nov. 25.
- Hetherington, Howard L., New London, Conn., assignor to The Babcock Printing Press Manufacturing Company, Press. 1,777,883; Oct. 7.
- Hetherington, John, Los Angeles, Calif. Mixing tool. 1,766,171; June 24.
- Hetzner, Arthur E., East Orange, N. J., assignor to Graybar Electric Company, Inc., New York, N. Y. Multiple push-button unit. 1,785,087; Dec. 16.
- Heuer, Lawrence H., assignor to The Evans Auto Loading Co., Inc., Detroit, Mich. Device for holding vehicles. 1,774,270; Aug. 26.

- Heumann, Emil, Itzehoe, Germany. Ditch digging and cleaning machine. 1,765,919; June 24.
- Heuser, Herman, Chicago, Ill. Foam production. 1,754,825; Apr. 15.
- Heuser, Herman, Evanston, Ill. Stabilization of cereal beverages. 1,764,955; June 17.
- Heuser, Herman, Chicago, Ill. Aldehyde-free alcoholic liquids. 1,785,447; Dec. 16.
- Heuser, Ralph V., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Making substituted guanidines. 1,784,442; Dec. 9.
- Heusler, Otto. (See Griessbach, R., Schliephake, and Heusler.)
- Heusser, Julius, Clear Lake, Wis. Disk-washing machine. 1,772,749; Aug. 12.
- Heusser, Wilfrid, Salt Lake City, Utah. Casing for precision balances. 1,784,098; Dec. 9.
- Heuze, Charles, Auvclais, Belgium. Glass-polishing apparatus. 1,746,472; Feb. 11.
- Heuze, Charles, Auvclais, Belgium, assignor, by mesne assignments, to The American Bicherox Company. Process and apparatus for the manufacture of glass. 1,780,590; Nov. 4.
- Hevey, Joseph. (See Casavant, S., Hevey, and Letiecq.)
- Hew Duty Electric Company. (See Smalley, Edwin L., assignor.)
- Hewel, Frank B., Pittsburgh, Pa. Universal joint. 1,775,556; Sept. 9.
- Hewetson, Henry H., Elizabeth, N. J., assignor to Standard Oil Development Company, New York, N. Y. Distillation of hydrocarbons. 1,753,149; Apr. 1.
- Hewitt, Edmund T., St. Louis, Mo. Steam trap. 1,787,374; Dec. 30.
- Hewitt, Edward R., Midvale, N. J., assignor to International Motor Company, New York, N. Y. Solid-injection otto-cycle engine. 1,757,246; May 6.
- Hewitt, Edward R., Midvale, N. J., assignor to International Motor Company, New York, N. Y. Bus body. 1,783,424; Dec. 2.
- Hewitt, Edward R., Midvale, N. J., and W. B. Jupp, New York, assignors to International Motor Company, New York, N. Y. Muffler manifold. 1,760,553; May 27.
- Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-rigging device. 1,776,257; Sept. 23.
- Hewitt, Ernest W. (See Rothermel, S. W., and Hewitt.)
- Hewitt, Frank W., Arlington, Mass., assignor, by mesne assignments, to Buckwalter Stove Company, Royersford, Pa. Self-contained electrical regulator unit. 1,745,420; Feb. 4.
- Hewitt, Jessamine A., Berkeley, Calif. Baby-carriage top. 1,758,112; May 13.
- Hewitt, Stanley L., Glassboro, N. J., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware-forming machine. 1,764,166; June 17.
- Hewitt, William R., New York, N. Y. Railroad tie. 1,751,156; Mar. 18.
- Hewitt, William R., New York, N. Y. Fuel-feeding system. 1,767,452; June 24.
- Hewitt, William R., New York, N. Y. Railway tie plate. 1,767,453; June 24.
- Hewitt, William R., New York, N. Y. Bolt and nut lock. 1,780,675; Nov. 4.
- Hewlett, Edward M., and W. W. Willard, Schenectady, N. Y., assignors to General Electric Company. Electric switch. 1,781,178; Nov. 11.
- Hey, Ashton, Wakefield, R. I. Adjustably attaching worsted comb brushes to dabber feet. 1,743,671; Jan. 14.
- Heydemann, Wolfgang, Kiel-Dietrichsdorf, assignors to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Prussia, Germany. Internal-combustion engine. 1,779,596; Oct. 28.
- Heyer, Benjamin F. W., Montclair, N. J. Apparatus for testing batteries. 1,772,217; Aug. 5.
- Heyer, Don, Los Angeles, Calif. Massaging oscillator. Des. 82,677; Dec. 2.
- Heyer Duplicator Company. (See Heileman, Herman F., assignor.)
- Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Cylinder lock. 1,782,347; Nov. 18.
- Heyland, Alexandre, Brussels, Belgium. Polyphase commutator dynamo-electric machine. 1,754,017; Apr. 8.
- Heylandt, Christian W. P., Berlin-Lankwitz, Germany. Method of and device for the regasification of liquefied gases. 1,747,366; Feb. 18.
- Heylandt, Christian W. P., Berlin-Lankwitz, Germany. Transferring liquefied gases from one container to another. 1,753,785; Apr. 8.
- Heylandt, Christian W. P., Lankwitz, near Berlin, Germany. Preparing compressed gases. 1,773,140; Aug. 19.
- Heylandt, Christian W. P., Berlin-Lankwitz, Germany. Transferring liquefied gases. 1,786,159; Dec. 23.
- Heylandt, Christian W. P., Lankwitz, Germany, assignor to Flüga Atkien-Gesellschaft, St. Moritz, Switzerland. Process and apparatus for the liquefaction of gases. 1,777,040; Sept. 30.
- Heyler, Charles J. (See Bradford, John B., assignor.)
- Heylman, Frederick C., Martinez, Calif. Stopcock. Re17,556; Jan. 7.
- Heymann, Bruno, San Francisco, Calif. Light projector. 1,758,041; May 13.
- Heymann, George H., Louisville, and E. D. Rose, Bowling Green, Ky. Toothpick. 1,746,591; Feb. 11.
- Heymanns, Rudolf. (See Wagner, G., Funke, and Heymanns.)
- Heyn, Bruno, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New derivative of 2,3-hydroxy-naphthoic acid and making same. 1,754,390; Apr. 15.
- Heyna, Hans. (See Hoffa, E. and Heyna.)
- Heyna, Hans. (See Wagner, H., Brune, Hessenland, Hoffa, Müller, and Heyna.)
- Heyna, Hans. (See Wagner, H., Hoffa, Runne, Thoma, and Heyna.)
- Heyna, Hans, Höchst-on-the-Main, W. Kirst, Frankfurt-on-the-Main, and H. Kracker and K. Moldaenke, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and making them. 1,746,652; Feb. 11.
- Heyner, Fritz, assignor to Franz Kruckenberg, Hanover, Germany. Rail-supporting structure for long spans for high-speed suspended vehicles. 1,783,648; Dec. 2.
- Heys, Roland B., assignor to St. Anne's Board Mill Company Limited, Bristol, England. Suction cylinder for paper-making machines and the like. 1,742,991; Jan. 7.
- Heyse, Max. (See Kränzlein, G., Hayse, and Ochwat.)
- Heyward, Thomas R., Jr., Pittsburgh, Pa. Apparatus for heat treating metal articles. 1,766,633; June 24.
- Heywood, Charles F., assignor to Sky Specialties Corporation, Detroit, Mich. Safety valve. 1,751,457; Mar. 18.
- Heywood, Francis C., and G. E. Senseney, Holyoke, and R. S. Bracewell, South Hadley, Mass., assignors to The Marvellum Company. Apparatus for obtaining marbling effect on paper. 1,742,250; Jan. 7.
- Heywood-Wakefield Company. (See Stinson, G., and Fred, assignors.)
- Hiatt, Enos B. (See Kendall, Oliver O., assignor.)
- Hiatt, John R., and C. R. Wicker, Indianapolis, Ind. Cleaning journal-box waste. 1,771,848; July 29.
- Hiatt, William F., assignor of one-half to H. D. Skiles, Indianapolis, Ind. Connecting rod and cross-head. 1,784,837; Dec. 16.
- Hibbard, Charles G., Sheffield, England. Automatic starting and stopping attachment for talking machines. 1,746,592; Feb. 11.
- Hibbard, Charles T., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn. Electrically-operated valve. Re17,689; June 3.
- Hibbard, Charles T., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn. Switch mechanism for synchronous-motor-starting systems. 1,742,593; Jan. 7.
- Hibbard, Charles T., assignor to Electric Machinery Mfg. Company, Minneapolis, Minn. Starting system for synchronous motors. 1,772,566; Aug. 12.
- Hibbard, Frank H., Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical measuring instrument. 1,762,780; June 10.
- Hibbard, Jack. (See Stevens, William, assignor.)
- Hibbard, Merrill, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-washing apparatus. 1,748,569; Feb. 25.
- Hibbard, Rowland G., Manhattan, Mont. Lifting truck. 1,744,894; Jan. 28.
- Hibberd, Delbert L., Lodge Pole, Nebr. Casing for a pocket prophylactic unit. Des. 81,644; July 22.
- Hibberd, Wilton L. (See Beck, William M., assignor.)
- Hibbert, Ernest, Goulburn, New South Wales, Australia. Tire for motor-vehicle wheels. 1,752,845; Apr. 1.
- Hibbert, Harold, Montreal, Quebec, Canada, and J. L. Parsons, assignors to Hammermill Paper Company, Erie, Pa. Making pyroxylin solutions of low viscosity. 1,768,253; June 24.
- Hibbets, Charles M., Claude, Tex. Clutch-protecting device. 1,755,002; Apr. 15.
- Hibbs, Russell R., Cape Girardeau, Mo. Wood-grooving machine. 1,775,430; Sept. 9.
- Hibner, Charles G., Los Angeles, Calif. Combination sink and garbage receptacle. 1,756,290; Apr. 29.
- Hibner, De Los E., Jr. (See Bruback, T. M., and Hibner.)
- Hicinbothem, Joseph H., Fort Thomas, Ky. Shade-operating means. 1,751,735; Mar. 25.
- Hickel, Fred L., Ray, N. Dak. Fly exit. 1,755,542; Apr. 22.
- Hickerson, Henry P., Anaheim, assignor to E. Koppl, Long Beach, Calif. Valve construction for slush pumps. 1,785,259; Dec. 16.
- Hickey, John H., San Francisco, Calif. Fuse casing. 1,773,182; Aug. 19.
- Hickey, John H., San Francisco, Calif. Refillable cartridge fuse. 1,773,183; Aug. 19.
- Hickey, John H., San Francisco, Calif. Venting fuse. 1,773,184; Aug. 19.
- Hickish, Robert S. (See Titmas, R. W., and Hickish.)
- Hickman, Albert F., assignor to Hickman Pneumatic Seat Company, Inc., Eden, N. Y. Seat. 1,774,009; Aug. 26.
- Hickman Pneumatic Seat Company. (See Hickman, Albert F., assignor.)
- Hickok, Arthur S. (See Myers, Hubert A., assignor.)
- Hickok, George F., San Francisco, Calif. Choker hook for logging. 1,775,200; Sept. 9.
- Hickok Mfg. Co. (See Beck, Alwin H., assignor.)
- Hickok Manufacturing Company. (See Koeth, Charles E., assignor.)
- Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)
- Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)

- Hickok Manufacturing Company. (See Vaisey, Harold C., assignor.)
- Hickok, W. O., Mfg. Co., The. (See Broadmeyer, Albert, assignor.)
- Hicks, Carl P. (See Newton, H. B., and Hicks.)
- Hicks, Clyde B., Abilene, Tex. Dipper device. 1,778,598; Oct. 14.
- Hicks, Frank V., Rock Springs, Wyo., assignor to Goodman Manufacturing Company, Chicago, Ill. Draft-operated scraper. 1,762,334; June 10.
- Hicks, George J., Saginaw, Mich. Mixing machine. 1,745,993; Feb. 4.
- Hicks, Harold A. (See Smith, C. J., and Hicks.)
- Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Device for cooling aircraft engines. 1,761,560; June 3.
- Hicks, James A., assignor to Automatic Car Lock Company, Atlanta, Ga. Railway car door fastener. 1,744,118; Jan. 21.
- Hicks, John K., El Paso, Tex. Adjustable riding-breeches leg. 1,750,595; Mar. 11.
- Hicks, John N., Los Angeles, Calif. Deep-well pressure recorder. 1,751,632; Mar. 25.
- Hicks, John R., assignor of three-fourths to Tidal Oil Company, Tulsa, Okla. Transmission power take-off. 1,755,395; Apr. 22.
- Hicks, Thomas N., Perth, Ontario, Canada, assignor of one-half to E. C. White, New York, N. Y. Back wind mechanism for clocks. 1,749,185; Mar. 4.
- Hicks, William D., Inglewood, assignor, by mesne assignments, to Master Wire Lath Company, Los Angeles, Calif. Lath. 1,782,568; Nov. 25.
- Hicks, William W. (See Kercher, A. J., and Hicks.)
- Hicks, William W., San Francisco, Calif. Electric re-heating heater. 1,785,413; Dec. 16.
- Hidawae Products Corporation. (See Rice, H., and Mutch, assignors.)
- Hiebert, Erdman R., Gretna, Manitoba, Canada. Storage-battery clamp. 1,766,515; June 24.
- Hierholzer, Leo E. (See Buschor, F. M., and Hierholzer.)
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag frame. Des. 80,270; Jan. 7.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag frame. Des. 80,271; Jan. 7.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag frame. Des. 80,691; Mar. 11.
- Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Cigarette-package holder. Des. 80,835; Apr. 1.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Ash receiver or the like. Des. 82,089; Sept. 23.
- Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Cigarette-package holder. Des. 82,746; Dec. 9.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Cigar holder and ash receptacle. 1,745,761; Feb. 4.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Fastening for pouches, wallets, and all kinds of leather containers. 1,755,296; Apr. 22.
- Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Bag-frame fastener. 1,765,671; June 24.
- Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Bag-frame clasp. 1,785,380; Dec. 16.
- Hiers, Harvey, Los Angeles, Calif. Airplane brake. 1,766,074; June 24.
- Hiers, Herbert A. (See Hiers, Ralph H. and H. A.)
- Hiers, Ralph H. and H. A., assignors to Noble and Cooley Co., Granville, Mass. Snare drum. 1,783,843; Dec. 2.
- Hiersch, Fredrick A., Seattle, Wash. Speed wrench. 1,762,515; June 10.
- Higbee, Glenn A., Detroit, Mich. Window-shade pull. 1,778,189; Oct. 14.
- Higbee, Ray P., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Power-transmission mechanism. 1,753,927; Apr. 8.
- Higbee, Ray P., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,763,151; June 10.
- Higbee, Ray P., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Safety device for elevators. 1,764,303; June 17.
- Higbie, Allan S., Elizabeth, N. J. Telephone-dial light. 1,747,299; Feb. 18.
- Higbie, Henry H., Ann Arbor, Mich. Reflecting material. 1,767,285; June 24.
- Higbie, Joseph S., Rockville Center, N. Y. Convertible gas range. 1,775,902; Sept. 16.
- Higbie, Murvale I., New York, N. Y. Paper cutter. 1,787,375; Dec. 30.
- Higgin, Henry, assignor to The Higgin Manufacturing Company, Newport, Ky. Screen for casement windows. 1,785,584; Dec. 16.
- Higgin, Henry, assignor to The Higgin Manufacturing Company, Newport, Ky. Window screen. 1,754,018; Apr. 8.
- Higgin Manufacturing Company, The. (See Heckman, William F., assignor.)
- Higgin Manufacturing Company, The. (See Higgin Henry, assignor.)
- Higgin Manufacturing Company, The. (See Pendery, Edward, assignor.)
- Higgin Manufacturing Company, The. (See Traut, Clifford, assignor.)
- Higgins, Avery W., and S. G. Rudd, Greensboro, N. C. Washing machine. 1,753,416; Apr. 8.
- Higgins, Charles M., & Co. (See Porter, Vernon C., assignor.)
- Higgins, Clark F., Melrose, Mass. Dumping vehicle. 1,757,190; May 6.
- Higgins, Clark F., Melrose, Mass. Dumping vehicle hoist. 1,757,191; May 6.
- Higgins, Clark F., Melrose, Mass. Dumping vehicle. 1,766,436; June 24.
- Higgins, Clifford B., assignor of one-half to H. A. Higgins, Detroit, Mich. Radiator tube. 1,742,392; Jan. 7.
- Higgins, Emma. (See Higgins, John A., assignor.)
- Higgins, Harry A., assignor to Long Manufacturing Company, Detroit, Mich. Radiator. 1,781,781; Nov. 18.
- Higgins, Eric B., assignor to United Water Softeners Limited, London, England. Apparatus for use in carrying out exchange reactions. 1,745,421; Feb. 4.
- Higgins, Eric B., assignor of one-half to British Synthetics Limited, Brentford, England. Preparation of arylides of 2-hydroxy-3-naphthoic acid. 1,762,474; June 10.
- Higgins, Eugene, Jackson, Mich. Friction clutch. 1,762,624; June 10.
- Higgins, Grover B., Chicago, Ill. Coiling device. 1,785,518; Dec. 16.
- Higgins, Harry A. (See Higgins, Clifford B., assignor.)
- Higgins, Harry A., Detroit, Mich. Radiator. 1,747,115; Feb. 11.
- Higgins, Henry B., jr., Denver, Colo. Control for dispensing apparatus. 1,757,801; May 6.
- Higgins, Henry B., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Transparent glass plate. 1,771,378; July 22.
- Higgins, John A., assignor to E. Higgins, St. Joseph, Mo. Composite lubricant. 1,780,157; Nov. 4.
- Higgins, John C., San Diego, Calif. Automatic water-heater control-valve apparatus. 1,755,476; Apr. 22.
- Higgins, Mark F. (See Nyborg, T. G., and Higgins.)
- Higgins, Patrick S., et al. (See Gartner, John H., assignor.)
- Higgins, Pierre, Fort Worth, Tex. Paring knife and corer. 1,745,675; Feb. 4.
- High, Antony, assignor to Abbotts Alderney Dairies, Inc., Philadelphia, Pa. Receptacle lifter. 1,763,965; June 17.
- High, John M., jr., New York, N. Y., assignor to Hopkins Corporation, Jersey City, N. J. Sound-producing device. 1,763,056; June 10.
- High, Jurjen S., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reproducing device. 1,765,586; June 24.
- High, Jurjen S., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reproducing device. 1,782,781; Nov. 25.
- Highberg, Carle J., Worcester, and J. A. Thompson, Cambridge, Mass. Mouth gag. 1,764,167; June 17.
- Highberger, John H. (See McLaughlin, G. D., Rockwell, O'Flaherty, and Highberger.)
- Highfield, Frank W., Coventry, England. Weighing and testing apparatus of the steelyard type. 1,775,958; Sept. 16.
- Highsmith, Aubrey O., Fort Worth, Tex. Adjustable awning support. 1,775,857; Sept. 16.
- Highsmith, H. K., et al. (See Morrison, Thomas P., assignor.)
- Hight, William R., Hollis, and L. Wainwright; said Hight assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Constant-period compass. 1,780,014; Oct. 28.
- Hightower, Arthur, Frost, Tex. Cotton packer. 1,786,240; Dec. 23.
- Hightower, Arthur, Frost, Tex. Cross-row cotton chopper and cultivator. 1,786,241; Dec. 23.
- Hightower, Howard, Bethune, Colo. Agricultural implement. 1,772,181; Aug. 5.
- Highway Service, Incorporated. (See Nickerson, Alma N., assignor.)
- Highway Trailer Company. (See Clement, Charles G., assignor.)
- Highway Trailer Company. (See Davis, Durrel H., assignor.)
- Highway Trailer Company. (See Davis, D. H., and Williams, assignors.)
- Highway Trailer Company. (See Helms, Harry W., assignor.)
- Highway Trailer Company. (See Nolen, T., and Truempner, assignors.)
- Highway Trailer Company. (See Williams, Leroy E., assignor.)
- Hilam, Incorporated. (See Hine, R. E., and Hallam, assignors.)
- Hilbert, William B., Waukegan, Ill. Envelope. 1,772,312; Aug. 5.
- Hilburger, Frank J., assignor to The Studebaker Corporation, South Bend, Ind. Vehicle seat. 1,742,540; Jan. 7.
- Hild, Frederic W., Los Angeles, Calif. Automatic control device. 1,744,223; Jan. 21.
- Hild, Frederic W., Los Angeles, Calif. Regulating device. 1,745,094; Jan. 28.
- Hild, Frederic W., Los Angeles, Calif. Disk bit. 1,749,344; Mar. 4.
- Hild, Frederic W., Los Angeles, Calif. Gear transmission. 1,784,593; Dec. 9.
- Hild, William F., East Rutherford, N. J. Signal mechanism for automobiles. 1,763,465; June 10.

- Hildebrand, James L. (See Sneierson, S. L., and Hildebrand.)
- Hildebrand, Lee E., Marblehead, Mass., assignor to General Electric Company. Calibrating instruments. 1,755,117; Apr. 15.
- Hildebrand, Reinhard, Webster Groves, Mo. Combined internal and external combustion engine. 1,761,561; June 3.
- Hildebrand, Reinhard, Webster Groves, Mo. Valve and valve motion. 1,775,490; Sept. 9.
- Hildebrand, Wilhelm, Berlin, Germany. Compressed-air brake. 1,772,832; Aug. 12.
- Hildebrand, Willy, Griesheim-on-the-Main, assignor to the firm: I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing formaldehyde-primary aromatic amine condensation products. 1,777,140; Sept. 30.
- Hildebrandt, Edward, Tacoma, Wash. Can. 1,755,297; Apr. 22.
- Hildebrandt, Edward, Tacoma, Wash. Can and slip cover. 1,764,304; June 17.
- Hildebrandt, Ernest A., Indianapolis, and C. McDonald, Beech Grove, Ind. Superheater bracket. 1,780,188; Nov. 4.
- Hildebrandt, Gustav, Mannheim, E. Leube, and W. Biehler, assignors to Knoll A.-G., Chemische Fabriken, Ludwigshafen-on-the-Rhine, Germany. Ethylic-isopropyl alpha bromo acetamid and preparing the same. 1,780,131; Oct. 28.
- Hildebrandt, Louis H., assignor to Collins Loom Works Inc., Amsterdam, N. Y. Adjustable stop mechanism for yarn-measuring spool winders. 1,755,396; Apr. 22.
- Hildebrandt, Richard, Weehawken, N. J. Piston. 1,754,891; Apr. 15.
- Hildebrandt-Sørensen, Carl, Hvidovre, Denmark. Machine for treating crystallized margarine mass and the like. 1,747,300; Feb. 18.
- Hildorf, Walter G., assignor to Reo Motor Car Company, Lansing, Mich. Apparatus for hardening articles. 1,748,290; Feb. 25.
- Hildorf, Walter G., and F. Sergardi, assignors to Reo Motor Car Company, Lansing, Mich. Piston. 1,779,166; Oct. 21.
- Hildreth, William H., Old Trafford, Manchester, England. Punching and indexing apparatus for sheets, cards, and the like. 1,778,155; Oct. 14.
- Hillman, Ernest J., Detroit, Mich. Electrically-driven agitating machine. 1,764,404; June 17.
- Hiles, Theron L., Niles, Mich. Fluid-supply apparatus. 1,772,997; Aug. 12.
- Hiles, William A., Cleveland, Ohio. Ice-cream freezer. 1,766,172; June 24.
- Hilgendorf, Henry, Harvey, assignor to National Brick Company, Chicago, Ill. Brick-making machine and method. 1,783,287; Dec. 2.
- Hilger, Adam, Ltd. (See Twyman, F., and Perry, assignors.)
- Hilger, Josef, Cologne-Mulheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. 2-aryl-4,6-dihydroxypyrimidines. 1,766,748; June 24.
- Hilgers, Nino, Charlottenburg, Germany, assignor to General Electric Company. Elastic fluid prime mover. 1,779,315; Oct. 21.
- Hilgers, Nino, Charlottenburg, and T. Stein, Friedenau, Berlin, Germany, assignors to General Electric Company. Power plant. 1,774,974; Sept. 2.
- Hilgert, Mathew, deceased, New York, N. Y., L. Harper and H. M. Weiss, administratrices. Tongue for shoes. 1,781,950; Nov. 18.
- Hilkemeyer, Albert B., Westphalia, Mo. Shipping box for baby chicks. 1,752,177; Mar. 25.
- Hilkey, Charles Joseph, Emory, Ga. Bookholder. 1,786,567; Dec. 30.
- Hill, Arthur. (See Chapman, E., and Hill.)
- Hill, Arthur, Cleveland, Ohio. Reducing valve. 1,769,026; July 1.
- Hill, Arthur W., Belmond, Iowa. Vehicle awning. 1,746,310; Feb. 11.
- Hill, Boardman J., Des Moines, Iowa. Ink-cleaning device for flat-bed cylinder printing presses. 1,770,695; July 15.
- Hill, Charles A., assignor to Mueller Brass Co., Port Huron, Mich. Connecting means. 1,770,852; July 15.
- Hill, Charles A., assignor to Mueller Brass Co., Port Huron, Mich. Method of and apparatus for reshaping deformed pipe ends. 1,783,088; Nov. 25.
- Hill, Charles L., North Plainfield, N. J., assignor to Vendex, Inc., New York, N. Y. Coin-control device. 1,779,433; Oct. 28.
- Hill, Charles P., Los Angeles, Calif. Cable connection for batteries. 1,786,206; Dec. 23.
- Hill, Charles R., Toronto, Ontario, Canada. Filling cabinet. 1,770,235; July 8.
- Hill, Chester J., Hazleton, Pa. Holder for writing implements. 1,747,167; Feb. 18.
- Hill, Clement V., Trenton, N. J. Refrigerator-display-case door. 1,769,951; July 8.
- Hill-Curtis Company. (See Hammond, W. C., and Kingsbury, assignors.)
- Hill, Curtiss L., Tacoma, Wash. Measuring apparatus. 1,743,137; Jan. 14.
- Hill, David J., Grey Lynn, Auckland, assignor of one-half to J. E. Hill, Auckland, New Zealand. Attachment to scrapers and scoops for earth and the like. 1,759,697; May 20.
- Hill, Dewey H., Macomb, Ill., assignor, by mesne assignments, to Globe American Corporation, Kokomo, Ind. Thermostatic control mechanism. 1,777,041; Sept. 30.
- Hill, Edith A. (See Mayberry, M. E., and Hill.)
- Hill, Edward E., Indianapolis, Ind. Adapter for casket lamps. 1,747,073; Feb. 11.
- Hill, F. H., Company. (See Falck, Joseph E., assignor.)
- Hill, Frederick H., assignor to The Monogram Shop, Los Angeles, Calif. Ring. Des. 80,836; Apr. 1.
- Hill, Frederick H., assignor to The Monogram Shop, Los Angeles, Calif. Ring. Des. 82,090; Sept. 23.
- Hill, Frederick H., assignor to The Monogram Shop, Los Angeles, Calif. Ring. Des. 82,091; Sept. 23.
- Hill, George, West Windsor, Ontario, Canada, assignor to R. L. Skinner, Detroit, Mich. Internal-combustion engine. 1,754,791; Apr. 15.
- Hill, Grover L., Bagley, Wis. Spraying device. 1,768,062; June 24.
- Hill, Harold N. (See Asten, E. V., and Hill.)
- Hill, Harold N., Philadelphia, Pa. Drier-felt seam construction. 1,748,880; Feb. 25.
- Hill, Harry L., assignor to Rodwell Sign Company, Buffalo, N. Y. Packing cushion. 1,783,570; Dec. 2.
- Hill, Henry, Paignton, England. Apparatus for playing golf in restricted spaces or indoors. 1,781,230; Nov. 11.
- Hill, Irving, assignor to Lawrence Paper Manufacturing Company, Lawrence, Kans. One-piece eyelet. 1,756,356; Apr. 29.
- Hill, Irving, and R. H. Clayton, assignors to Lawrence Paper Manufacturing Company, Lawrence, Kans. Shipping case. 1,774,511; Sept. 2.
- Hill, James, Mitchell, Ontario, Canada. Headlight adjusting and focusing device. 1,743,546; Jan. 14.
- Hill, Jesse J., Independence, Kans. Well-shooting device. 1,750,405; Mar. 11.
- Hill, John E. (See Hill, David, assignor.)
- Hill, John F., Clatskanie, Oreg. Harrow. 1,749,074; Mar. 4.
- Hill, Joseph H. (See Hannam, Frederick J., assignor.)
- Hill, Joseph M., Ogden, Utah. Smoke condenser. 1,765,159; June 17.
- Hill, Leland H., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer. 1,763,152; June 10.
- Hill, Leland H., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer-cooling system. 1,764,305; June 17.
- Hill, Leland H., and W. M. Dann, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company. Tap-changing interlock. 1,764,405; June 17.
- Hill, Louis A., Washington, D. C. Collar fastener. 1,781,639; Nov. 11.
- Hill, Mamie E., Walden, Colo. Tire-chain carrier for motor vehicles. 1,766,634; June 24.
- Hill, Maxwell H. (See Bullock, E. W., Schauseil, Dracseke, Galloway and Hill.)
- Hill, Midgley W., Flushing, N. Y. Information device for automobiles. 1,761,790; June 3.
- Hill, N. N., Brass Company, The. (See Hill, Norman W., assignor.)
- Hill, Norman W., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Toy telephone. 1,778,555; Oct. 14.
- Hill, Norman W., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Toy telephone. 1,778,556; Oct. 14.
- Hill, Norman W., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Toy telephone. 1,778,557; Oct. 14.
- Hill, Oris C., Pawtucket, R. I. Snap link. 1,769,512; July 1.
- Hill, Paul E. (See MacPherson, J. R., and Hill.)
- Hill, Raymond P. (See Wolf, R. B., and Hill.)
- Hill, Rimmel H., Columbia, Mo. Medicine dispenser. 1,770,173; July 8.
- Hill, Reuben, Detroit, Mich., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Door-control apparatus. 1,782,040; Nov. 18.
- Hill, Reuben, Detroit, Mich., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Door-control apparatus. 1,787,073; Dec. 30.
- Hill, Roger B., assignor to Brown Company, Berlin, N. H. Refining edible oils. 1,749,976; Mar. 11.
- Hill, Roger M., Washington, D. C. Polyphase hammers for musical instruments. 1,769,952; July 8.
- Hill, Roscoe, Clifford, Ind. Nonfreezing device for automobiles. 1,749,286; Mar. 4.
- Hill, Roscoe A., St. Paul, Minn. Detachable commercial body for automobile tonneau. 1,755,543; Apr. 22.
- Hill, Roy L., Wilmington, Del. assignor to Darco Corporation. Treating milk. 1,772,349; Aug. 5.
- Hill, Roy L., Tamaqua, Pa., assignor to Darco Corporation, Wilmington, Del. Purifying water and apparatus therefor. 1,782,850; Nov. 25.
- Hill, Roy Linden, assignor to Atlas Powder Company, Wilmington, Del. Gelignite and gelatin dynamite. 1,778,718; Oct. 21.
- Hill, Teenah P. (See Paris, W., and Hill.)
- Hill, Thomas, assignor to D. H. Gilchrist, Detroit, Mich. Mop. 1,745,486; Feb. 4.

- Hill, Thomas A., Manhattan Beach, assignor to Lion Match Company, Inc., New York, N. Y. Automatic packaging machine. 1,751,157; Mar. 18.
- Hill, Walter J., Birmingham, England. Extensible hinge. 1,745,368; Feb. 4.
- Hill, Willard J., Winnipeg, Manitoba, Canada. Water column. 1,745,095; Jan. 28.
- Hill, William D., Alliance, Ohio. Lubricating system. 1,757,086; May 6.
- Hill, William H. (See Huff, W. J., Jacobson, and Hill.)
- Hill, William R., and W. F. Diesel, assignors to Sargent & Greenleaf, Inc., Rochester, N. Y. Safety receptacle for small articles. 1,781,060; Nov. 11.
- Hill, Willoughby F., Mamaroneck, N. Y. Production of paper cups. 1,743,215; Jan. 14.
- Hill, Willoughby F., New York, N. Y. Container cover. 1,782,532; Nov. 25.
- Hillbom, Henrik, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 80,312; Jan. 14.
- Hillborn, Herbert J. (See Schreil, A., and Hillborn.)
- Hillebrand, Franz, Niederschönhausen, Berlin, Germany, assignor to General Electric Company. Protective device for rotary converters. 1,759,787; May 20.
- Hillebrand, Paul, assignor to firm Werdobler, Pumpenfabrik Paul Hillebrand G. m. b. H., Werdohl, Germany. Artificial-silk-spinning machine. 1,781,231; Nov. 11.
- Hillebrandt, Johan E., Brooklyn, N. Y. Stringed instrument. 1,752,906; Apr. 1.
- Hiller, Everett O., assignor to Hartford-Empire Company, Hartford, Conn. Glass-fabricating mechanism. 1,753,655; Apr. 8.
- Hiller, Everett O., Hartford, and E. H. Lorenz, West Hartford, assignors to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for distributing articles. 1,743,062; Jan. 7.
- Hiller, Stanley, Oakland, Calif. Rendering process. 1,760,059; May 27.
- Hillhouse, John T. E., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 1,743,453; Jan. 14.
- Hilliard, Glenn E., Brackenridge, Pa. Making furnace roofs. 1,773,359; Aug. 19.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,760,554; May 27.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,784,669; Dec. 9.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Safety pressure relief and indicating apparatus. 1,775,028; Sept. 2.
- Hilliard, John H., New York, N. Y., assignor to The Turner and Seymour Mfg. Company. Can opener. 1,756,487; Apr. 29.
- Hillier, Harold, Westminster, London, England. Feed-water-supply regulator intended particularly for use with steam boilers. 1,771,331; July 22.
- Hillier, Seymour W., assignor of one-half to J. Headrick and one-fourth to G. G. Startup, Sultan, Wash. Pulley carrier for guy lines. 1,782,348; Nov. 18.
- Hillman, Herbert H., assignor to Challenge Refrigerator Company, Grand Haven, Mich. Refrigerator and the like. 1,748,570; Feb. 25.
- Hillman, Joseph, New York, N. Y. Soft collar. 1,758,224; May 13.
- Hillman, Joseph, New York, N. Y. Soft collar. 1,786,535; Dec. 30.
- Hillman Motor Car Company Limited, The. (See Irving, J. S., and Green, assignors.)
- Hillman Syndicate, Limited, The. (See Hillmann, Hans, assignor.)
- Hillmann, Hans, Gross-Raschen, Germany. Bottle-blowing machine. 1,787,312; Dec. 30.
- Hillmann, Hans, Gross-Raschen, Germany, assignor of fifty-two one-hundredths to the firm Hallesche Pfannenschafte Abteilung der Mansfeld Aktiengesellschaft für Bergbau und Huttenbetrieb in Eisleben, Halle-Saale, Germany. Automatic bottle-blowing machine. 1,747,438; Feb. 18.
- Hillmann, Hans, Dresden-Strehlen, Germany, assignor to The Hillman Syndicate, Limited, London, England. Glass-blowing machine. 1,761,665; June 3.
- Hilner, Rudolph, Schenectady, N. Y., assignor to General Electric Company. Electromagnetic pick-up device. 1,774,975; Sept. 2.
- Hills Bros. (See Hills, Leslie W., assignor.)
- Hills Brothers Company, The. (See Ostricher, Edwin D., assignor.)
- Hills Brothers Company, The. (See Smith, Albert K., assignor.)
- Hills, Charles F., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elimination of corona in alternators. 1,784,989; Dec. 16.
- Hills, Charles F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Corona elimination in dynamo-electric machines. 1,784,990; Dec. 16.
- Hills, George T., Chicago, Ill., assignor to Muskegon Manufacturing Company, Muskegon, Mich. Floor-surfacing machine. 1,753,376; Apr. 8.
- Hills, John C., Melrose, Mass. Device for raising and buoying up ships. 1,767,672; June 24.
- Hills, Leslie W., assignor to Hills Bros., San Francisco, Calif. Construction for and method of evacuating cans. 1,766,173; June 24.
- Hills, Reuben B., Northampton, assignor to The Haydenville Company, Haydenville, Mass. Service box. 1,774,141; Aug. 26.
- Hillsdale Screen Company. (See Hinkle, Bert E., assignor.)
- Hillyard, Newton S. (See Gill, Stella F., assignor.)
- Hilmer, Charles, Chicago, Ill. Window-operating device. 1,756,357; Apr. 29.
- Hilpert, Meier G., Bethlehem, Pa. Trackway. 1,764,306; June 17.
- Hilscher, Curt, Chemnitz, Germany. Producing stockings on flat knitting frames. 1,743,347; Jan. 14.
- Hilt, Jacob, and T. F. Laughlin, Hartford, Wis. Motor-heating apparatus. 1,744,470; Jan. 21.
- Hilton, Alfred, et al. (See Winning, John F. F., assignor.)
- Hilton, Alleetah H., Venice, assignor to E. Alkire, Long Beach, Calif. Treating shells for making a decorative material. 1,744,634; Jan. 21.
- Hilton, John, Dublin, Irish Free State. Spring upholstered seat back. 1,774,597; Sept. 2.
- Hilton, Ralph W., assignor of one-half to H. W. Brown, Wichita, Kans. Aeroplane braking system. 1,775,039; Sept. 2.
- Hilty, Charles R., Birmingham, Ala., assignor to Southern Automatic Sales Manufacturing Company. Liquid-beverage-dispensing apparatus. 1,772,545; Aug. 12.
- Hiltz, George S., Brooklyn, N. Y., and W. F. Purcell, Hoboken, N. J., assignors to Stock Quotation Telegraph Company, New York, N. Y. Printing telegraph. 1,752,084; Mar. 25.
- Hiltz, George S., Brooklyn, N. Y., and W. F. Purcell, Hoboken, N. J., assignors to Stock Quotation Telegraph Company, New York, N. Y. Printing telegraph. 1,753,656; Apr. 8.
- Hiltz, George S., Brooklyn, N. Y., and W. F. Purcell, Hoboken, N. J., assignors to Stock Quotation Telegraph Company, New York, N. Y. Printing-telegraph system. 1,767,128; June 24.
- Hime, Clint T., assignor of one-third to P. H. Long, San Antonio, Tex. Flash light. 1,758,735; May 13.
- Himmel Brothers Co., The. (See Himmel, Fred, and I., assignors.)
- Himes, William D., York, Pa. Dispensing receptacle. 1,775,959; Sept. 16.
- Himmel Brothers Company, The. (See Himmel, Fred and I., assignors.)
- Himmel, Fred and I., assignors to The Himmel Brothers Co., New Haven, Conn. Machine for forming strips for store-front construction. 1,753,829; Apr. 8.
- Himmel, Fred and I., assignors to The Himmel Brothers Company, New Haven, Conn. Store-front construction. 1,784,689; Dec. 9.
- Himmel, Isidore. (See Himmel, Fred and I.)
- Himmer, Vitalis, Mountain Lakes, N. J. Vibration-transmission mechanism. 1,746,039; Feb. 4.
- Hinchcliffe, John R. (See Curioni, Aldo, assignor.)
- Hincher Manufacturing Company. (See Holliday, John F., assignor.)
- Hincher Paper Box Co. (See Cunningham, Raymond C., assignor.)
- Hinchliffe, Harold O., Middleton St. George, England. Locking lever for hand brakes for motor cars. 1,742,351; Jan. 7.
- Hinckley, F. C., Stratford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Sound-amplifying means. 1,785,553; Dec. 16.
- Hinckley, Frank C., Stratford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Sound amplifier. 1,752,526; Apr. 1.
- Hinckley, Frank C., Stratford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Sound amplifier. 1,754,425; Apr. 15.
- Hinckley, Frank C., Stratford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Cabinet phonograph. 1,776,905; Sept. 30.
- Hinckley & Schmitt. (See Schmitt, Victor T., assignor.)
- Hinde, Charles, Wilmington, Calif. Trunk lock. 1,745,422; Feb. 4.
- Hinde, Charles, Wilmington, Calif. Disposing of sulphuric-acid materials. 1,776,070; Sept. 16.
- Hinde, James J., Sandusky, Ohio. Apparatus for manufacturing fiber board or analogous material. 1,748,224; Feb. 25.
- Hinde, James J., Sandusky, Ohio. Insulating lumber or wall board. 1,755,781; Apr. 22.
- Hinderer, Eugen, Hamborn, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Düsseldorf, Germany. Separating adhering rolled metal sheets. 1,749,075; Mar. 4.
- Hinderliter, Frank J., Tulsa, Okla. Trip-latch jack. 1,749,379; Mar. 4.
- Hinderliter, Frank J., Tulsa, Okla. Bailer spear. 1,749,380; Mar. 4.
- Hinderliter, Frank J., Tulsa, Okla. Jar-rein socket. 1,751,997; Mar. 25.
- Hinderliter, Frank J., Tulsa, Okla. Combination tap and die fishing tool. 1,751,998; Mar. 25.
- Hinderliter, Frank J., Tulsa, Okla. Heat treating bits. 1,763,704; June 17.
- Hinderliter, Frank J., Tulsa, Okla. Friction sub. 1,767,286; June 24.
- Hinderliter, Frank J., Tulsa, Okla. Pipe unscrewing socket. 1,776,024; Sept. 16.
- Hinderliter, Frank J., Tulsa, Okla. Casing ripper. 1,776,025; Sept. 16.

- Hinderliter, Frank J., Tulsa, Okla. Knife for use in wells. 1,776,026; Sept. 16.
- Hinderliter, Frank J., Tulsa, Okla. Eccentric slip socket. 1,776,027; Sept. 16.
- Hinderliter, Frank J., assignor to Hinderliter Tool Company, Tulsa, Okla. Oil-well fishing tool. 1,763,703; June 17.
- Hinderliter, Frank J., assignor to Hinderliter Tool Company, Tulsa, Okla. Oil-well fishing tool. 1,776,028; Sept. 16.
- Hinderliter Tool Company. (See Hinderliter, Frank J., assignor.)
- Hindle, Charles F. (See Ballou, George F., assignor.)
- Hindle, Charles F., Ossining, assignor to Cambridge Instrument Company, Inc., Ossining-on-Hudson, N. Y. Film-camera apparatus. 1,764,450; June 17.
- Hinds, Daniel C., Sioux Falls, S. Dak., and O. Q. Hinds, assignors to Ryan Manufacturing Corporation, Chicago, Ill. Ditch cutter for graders. 1,753,150; Apr. 1.
- Hinds, Orville Q. (See Hinds, Daniel C. and O. Q.)
- Hine, Charles F., San Francisco, Calif. Material classifier. 1,761,627; June 3.
- Hine, James H. (See Walter, Frank K., assignor.)
- Hine, Robert E., and S. M. Hallam, assignors to Hilam, Incorporated, Milwaukee, Wis. Electric-light fixture. 1,778,855; Oct. 21.
- Hines, Benjamin F., jr. (See Cammack, B. F., and Hines.)
- Hines, C. C. (See Christmas, William W., assignor.)
- Hines, Gail H., Lansing, Mich. Flexible automatic transmission. 1,768,839; July 1.
- Hines, Gail H., Lansing, Mich. Flexible automatic transmission. 1,771,040; July 22.
- Hines, James F., Lakewood, Ohio. Molding flask. 1,752,907; Apr. 1.
- Hines, James F., Lakewood, Ohio. Molding. 1,773,732; Aug. 26.
- Hines, John, Astoria, assignor to Segal Lock & Hardware Co. Inc., New York, N. Y. Cylinder lock. 1,777,725; Oct. 7.
- Hines, John C., Chicago, Ill. Apparatus for filtering air. 1,751,999; Mar. 25.
- Hines, Sherman, et al. (See Stormont, Owen, assignor.)
- Hines, William, et al. (See Stormont, Owen, assignor.)
- Hines, William A., assignor, by mesne assignments, to The Standard Traffic Marker Company, Wichita, Kans. Stop sign. 1,773,487; Aug. 19.
- Hines, William A., assignor, by mesne assignments, to The Standard Traffic Marker Company, Wichita, Kans. Street stop signal. 1,773,488; Aug. 19.
- Hinkel, Adam, Offenbach, Germany. Indicating device for displaying variable information. 1,753,786; Apr. 8.
- Hinkle, Bert E., assignor to Hillsdale Screen Company, Hillsdale, Mich. Window screen. 1,775,526; Sept. 9.
- Hinkle, James M., assignor of one-half to R. B. Minton, Barbourville, Ky. Flexible oil can. 1,752,085; Mar. 25.
- Hinkley, Milton, Benton Harbor, Mich. Carton. 1,759,455; May 20.
- Hinkson, Adelbert M., Niagara Falls, N. Y. Manufacture of moistureproof paper. 1,769,513; July 1.
- Hinman, George L., assignor to The Greist Manufacturing Company, New Haven, Conn. Support for lamp shades. 1,774,512; Sept. 2.
- Hinman, Ralph L., and W. H. Glenn, Oneida, N. Y. Cast-metal wheel. 1,777,671; Oct. 7.
- Hinneken, Florent, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Finishing machine. 1,752,949; Apr. 1.
- Hinneken, Florent, Paterson, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Dyeing machine. 1,761,562; June 3.
- Hinneken, Florent, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Apparatus for treating fabrics. 1,761,563; June 3.
- Hinneken, Florent, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Method and apparatus for treating fabrics with liquids. 1,781,391; Nov. 11.
- Hinrichs, Karl H., Winnetka, Ill. Oil-base insulating pan for internal-combustion engines. 1,783,472; Dec. 2.
- Hinrichsen, Edward E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. Re17,666; May 13.
- Hinrichsen, Edward E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,747,241; Feb. 18.
- Hinrichsen, Edward E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,762,986; June 10.
- Hinsch, Johannes. (See Siemen, O., and Hinsch.)
- Hinson Manufacturing Company, The. (See Wengard, Ben, assignor.)
- Hinteresch, Herman D., Baltimore, Md. Ear trumpet. 1,761,666; June 3.
- Hinton, George B., Mexico City, Mexico. Making cementitious material of cellular texture. 1,756,789; Apr. 29.
- Hinton, Norman P., Timperley, England, assignor to Associated Electrical Industries Limited. Electron-discharge devices. 1,750,307; Mar. 11.
- Hinton, Norman P., Timperley, England, assignor to Westinghouse Electric & Manufacturing Company. Electrical protective system. 1,768,688; July 1.
- Hintze, Raymond S., Chicago, Ill. Display rack and stand. 1,767,980; June 24.
- Hintze, Walter B. (See Sheller, John C., assignor.)
- Hinz Fabrik G. m. b. H. (See Lukacs, Elmar, assignor.)
- Hjorth, Jens B., Hovik, near Oslo, Norway. Guide apparatus for the propeller stream of vessels. 1,775,395; Sept. 9.
- Hi-Power Manufacturing Company. (See Van Etten, William V., assignor.)
- Hippenmeyer, Irving R., Waukesha, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Unloading mechanism for bottle washers. 1,756,553; Apr. 29.
- Hippenmeyer, Irving R., Waukesha, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Bottle-washing machine. 1,756,554; Apr. 29.
- Hippenmeyer, Irving R., Waukesha, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Intermittent drive for endless conveyers. 1,775,029; Sept. 2.
- Hipple, George R., Portstown, Pa. Tape measure. 1,786,845; Dec. 30.
- Hipple, James L. (See Graham, W. S., and Hipple.)
- Hipple, James L., Canton, Ill., assignor to International Harvester Company. Tractor attachment. 1,748,418; Feb. 25.
- Hird, John B., Seattle, assignor to Lamb Machine Company, Hoquiam, Wash. Brake-lining machine. 1,746,941; Feb. 11.
- Hirsch, Alfred C. (See Krause, A. R., and Hirsch.)
- Hirsch, Alfred C., and A. R. Krause, Eau Claire, Wis., assignors to Gillette Rubber Company. Tread-cutting machine. 1,744,224; Jan. 21.
- Hirsch, G., Sons, Inc. (See Gerstle, Justin, assignor.)
- Hirsch, Henry, Jersey City, N. J. Portable laundry receptacle. 1,762,475; June 10.
- Hirsch, Herman J., Milwaukee, Wis. Display cabinet. Des. 81,584; July 15.
- Hirsch, Joseph, Yonkers, N. Y., assignor to Kops Bros. Inc. Elastic webbing. 1,782,041; Nov. 18.
- Hirsch, Lee, New York, N. Y. Ring setting. Des. 80,571; Feb. 25.
- Hirsch, Marx, New York, N. Y. Treatment of iron and steel. 1,772,866; Aug. 12.
- Hirsch, Paul A., New York, N. Y. Pulverizing machine. 1,744,895; Jan. 28.
- Hirsch, Rudolph, North Bergen, assignor to Reiss Premier Pipe Co., Inc., Union City, N. J. Cigarette and cigar holder. 1,780,389; Nov. 4.
- Hirsch, Sidney, New York, N. Y., assignor to Photomaton Inc. Film-strip-feeding means for cameras. 1,775,643; Sept. 16.
- Hirsch, Sidney, assignor to Photomaton Inc., New York, N. Y. Shutter for photographic cameras. 1,781,923; Nov. 18.
- Hirschhorn, Benjamin, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Tea cartridge. 1,775,347; Sept. 9.
- Hirschhorn, Benjamin, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Tea cartridge. 1,780,484; Nov. 4.
- Hirschkind, Wilhelm, Pittsburg, Calif., assignor to Great Western Electric-Chemical Company. Recovering alkali-metal xanthates. 1,753,787; Apr. 8.
- Hirschner, Karl, assignor to the firm Schmidt & Melmer, Weidenau-on-the-Sieg, Germany. Refuse-handling apparatus. 1,752,950; Apr. 1.
- Hirsh, Fred, assignor to Adjusta Company, New York, N. Y. Belt buckle. Des. 81,389; June 17.
- Hirshfield, Morris, Brooklyn, N. Y. Shoe. 1,760,197; May 27.
- Hirst, Herbert S. (See Rowell, S. W., and Hirst.)
- Hirst, James E., assignor to The J. A. Fay & Egan Company, Cincinnati, Ohio. Woodworking machinery. 1,783,041; Nov. 25.
- Hirst, Samuel L., Beeville, Tex. Sand and scale trap. 1,772,946; Aug. 12.
- Hirstel, Dave, assignor to J. Brandies, San Francisco, Calif. Manufacturing synthetic chlorides. 1,771,628; July 29.
- Hirt, Franz. (See Lund, H., Laub, and Hirt.)
- Hirt, Franz, Berlin-Steglitz, Germany, assignor to General Electric Company. Relay system. 1,751,330; Mar. 18.
- Hirth, Albert, Nonnenhorn-on-the-Bodensee, Germany. Tubular container for viscous materials. 1,765,794; June 24.
- Hirth, Alexander N., assignor to W. S. Embroidery Works, Incorporated, Cliffside Park, N. J. Embroidered lace. Des. 81,877; Aug. 26.
- Hirth, Alexander N., assignor to W. S. Embroidery Works, Incorporated, Cliffside Park, N. J. Embroidered lace. Des. 81,878; Aug. 26.
- Hirth, Alexander N., assignor to W. S. Embroidery Works, Incorporated, Cliffside Park, N. J. Embroidered lace. Des. 81,879; Aug. 26.
- Hirtz, Heinrich, Eilenburg, Germany. Recovering nitric acid from weak nitric liquors. 1,752,086; Mar. 25.
- Hirvonen, Eric J., Worcester, Mass., assignor to Leland-Gifford Company. Spindle bearing. 1,748,174; Feb. 25.
- Hise Bed Spring Company. (See Hise, James P., assignor.)
- Hise, James P., Hightown, Va., assignor to Hise Bed Spring Company. Bed spring. 1,746,942; Feb. 11.
- Hisor, Charles H., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Clamping device. 1,762,578; June 10.

- Hiser, Charles H., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Hinge. 1,776,681; Sept. 23.
- Hiss, George C., East Orange, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Extinguishing fire. 1,760,359; May 27.
- Hitchcock, Guy F., Houston, assignor of one-half to T. H. Meeks, Harris County, Tex. Lantern. 1,768,763; July 1.
- Hitchcock, Guy F., and T. H. Meeks, Houston, Tex. Automatic valve mechanism. 1,768,764; July 1.
- Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass-grinding apparatus. 1,742,594; Jan. 7.
- Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Fluid-cooled roll. 1,754,826; Apr. 15.
- Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for polishing plate glass. 1,771,408; July 29.
- Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making laminated glass. 1,777,643; Oct. 7.
- Hitchcock, Helen S., New York, N. Y. Toy animal. 1,756,555; Apr. 29.
- Hitchcock, Louis N., Chicago, Ill., assignor to S. Silvers, Waterloo, Iowa. Device for flushing drain outlets. 1,769,061; July 1.
- Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Stackers. 1,786,752; Dec. 30.
- Hitchcock, Rex B., Chicago, Ill., assignor to International Harvester Company. Plate mounting for feed grinders. 1,744,471; Jan. 21.
- Hitchcock-Spencer, Arthur L., Ashwell, near Baldock, England. Boiler for evaporating or heating liquids. 1,743,918; Jan. 14.
- Hitchings & Company. (See King, Thomas E., assignor.)
- Hitchner, Joseph C., assignor to Hitchner Tire Corporation, Philadelphia, Pa. Tire. 1,749,766; Mar. 11.
- Hitchner Tire Corporation. (See Hitchner, Joseph C., assignor.)
- Hite, Melville P., Elizabeth City, N. C. Calculating device. 1,780,078; Oct. 28.
- Hite, William B., jr., Webster Groves, Mo. Shock absorber. 1,782,533; Nov. 25.
- Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,761,342; June 3.
- Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for severing glass sheets. 1,777,644; Oct. 7.
- Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for regulating the temperature of glass withdrawn from a tank. 1,783,473; Dec. 2.
- Hitt, Genevieve Y., New York, N. Y. Illuminating device for dial telephones. 1,747,976; Feb. 18.
- Hitt, Thomas G., Seattle, Wash. Fastening pyrotechnic elements or firecrackers together. 1,755,003; Apr. 15.
- Hitt, Thomas G., Seattle, Wash. Firecracker combination. 1,770,921; July 22.
- Hitt, Verlington F., and J. O. Evans, Miami Beach, Fla. Rumble seat. 1,768,466; June 24.
- Hitzeman, Arnold P., assignor to Wayne Company, Fort Wayne, Ind. Liquid-dispensing apparatus. 1,757,836; Uitzler, George, Hoboken, N. J. Mechanical reminder. 1,772,485; Aug. 12.
- Hi-Way Service Corporation. (See Kerber, Joseph H., assignor.)
- Hixon, John F., assignor to Gilfillan Machine Works, Inc., Ebenezer, N. Y. Dual fluid-pressure-controlling device. 1,752,087; Mar. 25.
- Hixon, Ralph M. (See Arnold, R. B., and Hixon.)
- Hixson, Arthur W., et al. (See Balls, Arnold K., assignor.)
- Hixson, Arthur W., Leonia, N. J., and N. E. A. Hugoson, New York, N. Y., assignors to Standard Brands Incorporated, Dover, Del. Yeast and making the same. 1,745,693; Feb. 4.
- Hixson, E. S. (See Hawkins, Roe C., assignor.)
- Hjermstad, John M., Red Wing, Minn. Harrow. 1,754,103; Apr. 8.
- Hlavac, Anthony, Chicago, assignor to E. J. Hubbard, Berwyn, Ill. Braider bobbin. 1,753,341; Apr. 8.
- Hlavac, Anthony, Chicago, assignor to E. J. Hubbard, Berwyn, Ill. Cop holder. 1,762,516; June 19.
- Hlavacek, Jan, Chicago, Ill. Aeroplane. 1,759,698; May 20.
- Hoag, Charles L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Sawing machine. 1,752,487; Apr. 1.
- Hoagland, Frank O. (See Banfield, F. E., jr., and Hoagland.)
- Hoagland, Frank O., Bridgeport, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Adapter for segmental abrasive wheels. 1,743,604; Jan. 14.
- Hoagland, Frank O., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Welding drills. 1,784,932; Dec. 16.
- Hogues-Sprague Corporation. (See Smith, Harry B., assignor.)
- Hoare, Stephen C., Lynn, Mass., assignor to General Electric Company. Thermionic measuring device. 1,760,597; May 27.
- Hoban, Fairfield W., assignor to Fairfield Specialties Corporation, New York, N. Y. Valve-controlled closure for bottles containing carbonated beverages. 1,751,237; Mar. 18.
- Hobart Bros. Company, The. (See Hobart, Edward A., assignor.)
- Hobart, Edward A., Troy, Ohio. Voltage-regulation winding for electric generators. 1,750,713; Mar. 18.
- Hobart, Edward A., assignor to The Hobart Bros. Company, Troy, Ohio. Car-washing pump. Des. 82,889; Dec. 23.
- Hobart, Edward A., assignor to The Hobart Bros. Company, Troy, Ohio. Compressor. 1,771,889; July 29.
- Hobart, Edward A., assignor to The Hobart Bros. Company, Troy, Ohio. Compressor. 1,786,242; Dec. 23.
- Hobart, Franklin G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Oil filter. 1,764,722; June 17.
- Hobart, Henry M., Niskayuna, N. Y., assignor to General Electric Company. Arc welding. 1,746,081; Feb. 4.
- Hobart Manufacturing Company, The. (See De Long, Arthur R., assignor.)
- Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
- Hobart Manufacturing Company, The. (See Johnston, H. L., and Meeker, assignors.)
- Hobart Manufacturing Company. (See Zademach, Erich R., assignor.)
- Hobb, Samuel T., assignor to The Washburn Company, Worcester, Mass. Bottle holder. 1,782,962; Nov. 25.
- Hobbins, William J., Madison, Wis. Combined windshield wiper and ice remover. 1,763,153; June 10.
- Hobbs, Edwin E., Independence, Kans. Radio apparatus. 1,756,745; Apr. 29.
- Hobbs, Elbert R., Castleford, Idaho. Ear-tagging apparatus for stock. 1,759,400; May 20.
- Hobbs, Horace E., London, England. Tag. Des. 80,951; Apr. 15.
- Hobbs, James C., Painesville, Ohio. Furnace wall. 1,754,514; Apr. 15.
- Hobbs, James C., Painesville, Ohio. Furnace wall. 1,772,350; Aug. 5.
- Hobbs, James C., Painesville, Ohio. Furnace wall. 1,772,486; Aug. 12.
- Hobbs, James C., Painesville, Ohio. Furnace. 1,776,906; Sept. 30.
- Hobbs, John H., Syracuse, N. Y. Door and frame gauge. 1,778,496; Oct. 14.
- Hobbs Manufacturing Company. (See Jones, F. A., and Klaucke, assignors.)
- Hobbs Manufacturing Company. (See Klaucke, George W., assignor.)
- Hobbs Manufacturing Company. (See Lenston, Charles S., assignor.)
- Hobbs, Samuel T., assignor to The Washburn Company, Worcester, Mass. Egg beater. 1,767,454; June 24.
- Hobbs, William E., Clinton, N. C. Automobile convertible-seat arrangement. 1,745,538; Feb. 4.
- Hobbs, William R., East St. Louis, Ill. Car-door lock for railway box cars. 1,776,559; Sept. 23.
- Hobbs, Willis F., assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Screw driver and making the same. 1,755,822; Apr. 22.
- Hobbs, Willis F., and J. A. Anderson, assignors to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Parallel-jaw wrench or brace. 1,766,174; June 24.
- Hobé, William W., New York, N. Y. Button or similar article. Des. 80,692; Mar. 11.
- Hobé, William W., New York, N. Y. Bottle or similar article. Des. 82,824; Dec. 16.
- Hobert Manufacturing Company, The. (See Rataiczak, T. F., and Akers, assignors.)
- Hobson, Benjamin F., assignor of one-half to T. C. Deal, Monticello, Ark. Pick mechanism for looms. 1,744,225; Jan. 21.
- Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Electric stove. 1,747,242; Feb. 18.
- Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Gas range. 1,763,705; June 17.
- Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Water-system pumping apparatus. 1,763,706; June 17.
- Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Water-system pump unit. 1,764,307; June 17.
- Hoch, Edward G., Minneapolis, and J. L. Wallin, St. Paul, Minn. Input and output amplifying unit. 1,748,225; Feb. 25.
- Hoch, Ellery T., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric condenser. 1,781,917; Nov. 11.
- Hoch, George, assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier or similar article. Des. 80,313; Jan. 14.
- Hoch, George, assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier or similar article. Des. 80,418; Jan. 28.
- Hoch, George, assignor to Star Chandelier Co., Inc., New York, N. Y. Globe holder for lighting fixtures or similar articles. Des. 80,953; Apr. 15.
- Hoche, Adam, assignor to Litmo Adhesive & Products Company, Lynn, Mass. Moldable composition. 1,753,010; Apr. 1.
- Hochman, Julius C., et al. (See Degener, Gustave O., assignor.)

- Hochmann, Richard K., Brooklyn, assignor, by mesne assignments, to Gotham Knitting Machine Corporation, New York, N. Y. Knitting needle. 1,764,406; June 17.
- Hochriem, Gustav F., Chicago, Ill. Check-controlled machine. 1,765,014; June 17.
- Hochriem, Gustav F., Chicago, Ill. Coin-controlled mechanism. 1,786,014; Dec. 23.
- Hochschild, Richard, assignor to the firm Aug. Schmidt-mann, Barmen, Germany. Card unit for visible card systems. 1,757,368; May 6.
- Hochstadter, Frank. (See Hochstadter, Roy B., and F.)
- Hochstadter, Roy B. and F., Brooklyn, N. Y. Egg candler. 1,760,697; May 27.
- Hochstetter, Frederick W., Pittsburgh, Pa. Process and apparatus for treating derivatives of aqueous cellulose compounds for use in photographic and its allied arts and other useful purposes. 1,772,081; Aug. 5.
- Hochwalt, Carroll A. (See Midgley, T., jr., and Hochwalt.)
- Hochwalt, Carroll A. (See Thomas, C. A., and Hochwalt.)
- Hocker Corporation, The. (See Hocker, Ivan S., assignor.)
- Hocker, Ivan S., assignor to The Hocker Corporation, Philadelphia, Pa. Extraction of oils from vegetable matter. 1,751,331; Mar. 18.
- Hocking Glass Company, The. (See Barbiers, Ferdinand S., assignor.)
- Hockley, Claude C., Portland, Oreg. Method and apparatus for making paper. 1,757,948; May 6.
- Hodapp, Albert J., Dayton, Ohio. Form tie for concrete structures. 1,769,292; July 1.
- Hodgdon, Theodore A., Springfield, Mass. Toy airplane. 1,758,399; May 13.
- Hodge, Alfretha. (See Hodge, Howard Y., assignor.)
- Hodge, Allan C., Burbank, Calif. Firearm cushion. 1,774,060; Aug. 26.
- Hodge, George O., assignor to Standard Steel and Bearings Incorporated, Plainville, Conn. Riveting stays or rivets in ball bearings. 1,780,189; Nov. 4.
- Hodge, Howard Y., assignor to A. Hodge, Seneca Falls, N. Y. Window ventilator and screen. 1,756,088; Apr. 29.
- Hodge, Pearle M., Barnston, Nebr. Animal-draft equalizer. 1,766,384; June 24.
- Hodge, Robert J., assignor to American Buckle Company, West Haven, Conn. Slide buckle. 1,775,097; Sept. 9.
- Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,775,098; Sept. 9.
- Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,775,099; Sept. 9.
- Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,775,100; Sept. 9.
- Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,775,101; Sept. 9.
- Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,775,102; Sept. 9.
- Hodge, William B., Charlotte, N. C. Humidifier. 1,743,668; Jan. 14.
- Hodges, Fred M., et al. (See McFarland, Ernest H., assignor.)
- Hodges, Gordon K., Montreal, Quebec, Canada. Band for knee breeches and the like. 1,745,259; Jan. 28.
- Hodges, James A., et al. (See McFarland, Ernest H., assignor.)
- Hodges, James M., Louisville, Ky. Recording device for poultry. 1,762,687; June 10.
- Hodges, John M., et al. (See McFarland, Ernest H., assignor.)
- Hodges, Reginald C., Thornton Heath, England. Curtain suspension and actuating means. 1,746,256; Feb. 11.
- Hodges, Thomas A., Tulare, Calif., and H. E. Elrod, Dallas, Tex. Oil gauge. 1,781,756; Nov. 18.
- Hodgkins, George V., Minneapolis, assignor to The Valentine Clark Co., St. Paul, Minn. Pole punching machine. 1,779,625; Oct. 28.
- Hodgkins, Reginald R., Los Angeles, Calif. Punching-bag hook and swivel. 1,762,439; June 10.
- Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Power installation. 1,754,426; Apr. 15.
- Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combined turbine and condenser. 1,763,237; June 10.
- Hodgman, Frederick S. (See Carter, L. F., and Hodgman.)
- Hodgman, Willis K., jr., Taunton, Mass. Dry-pipe valve. 1,767,129; June 24.
- Hodgson, Edward S., East St. Louis, Ill. Film holder. 1,743,138; Jan. 14.
- Hodgson, Harriette E., New York, N. Y. Dog pan. 1,773,141; Aug. 19.
- Hodgson, John W., assignor to The Miller Rubber Co., Akron, Ohio. Plug-inserting needle. 1,754,556; Apr. 15.
- Hodgson, William W., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Handle grip for pails. 1,781,583; Nov. 11.
- Hodkinson, George F., Philadelphia, Pa., assignor to The Permutit Company, New York, N. Y. Zeolite water softener. 1,763,783; June 17.
- Hodkinson, George F., Blue Bell, near Ambler, Pa., assignor to The Permutit Company, New York, N. Y. Water softener for base-exchanging substances. 1,763,784; June 17.
- Hodsdon, Floyd G., Chicago, Ill., assignor to International Harvester Company. Milking machine. 1,786,846; Dec. 30.
- Hodson Corporation, The. (See Hodson, W. D., and Coleman, assignors.)
- Hodson, Walter D., and R. E. Coleman, assignors, by mesne assignments, to The Hodson Corporation, Chicago, Ill. Lubricating compound. 1,764,837; June 17.
- Hodson, William F., assignor to Monument Mills, Housatonic, Mass. Fabric. Des. 82,154; Sept. 30.
- Hoe, R. & Co. (See Ball, Harry V., assignor.)
- Hoe, R., & Co. (See Baumgartner, August, assignor.)
- Hoe, R., & Co. (See Bennisson, William E., assignor.)
- Hoe, R., and Co. (See Ebel, John H., assignor.)
- Hoe, R., & Co. (See Eckhard, William K., assignor.)
- Hoe, R., & Co. (See Frederickson, Charles A., assignor.)
- Hoe, R., & Co. (See Halliwell, John J., assignor.)
- Hoe, R., & Co. Inc. (See Huck, William F., assignor.)
- Hoe, R., & Co. (See Knox, Harry G., assignor.)
- Hoe, R., & Co. (See Lamatsch, Frederick, assignor.)
- Hoe, R., & Co. Inc. (See Morris, Edward T., assignor.)
- Hoe, R., & Co. (See Reynolds, Howard, assignor.)
- Hoe, R., & Co. (See Rodd, E., and Ebel, assignors.)
- Hoe, R., & Co. (See Schmidt, Louis A., assignor.)
- Hoe, R., & Co. (See Strain, William J., assignor.)
- Hoe, Robert, Hyde Park, N. Y. Washing apparatus. 1,761,564; June 3.
- Hoe, Robert, Hyde Park, N. Y. Power unit. 1,771,629; July 29.
- Hoe, Robert, Hyde Park, N. Y. Power unit. 1,771,630; July 29.
- Hoecker, Albert C., St. Louis, Mo. Valve and head for gas engines. 1,753,515; Apr. 8.
- Hoeller, George C., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird-cage body. Des. 80,791; Mar. 25.
- Hoeller, George C., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird-cage body. Des. 80,792; Mar. 25.
- Hoelt & Company. (See Moe, Aaron B., assignor.)
- Hoeltmann, Alexander O., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Armored cable. Re17,850; Oct. 28.
- Hoegge, Wm. H., Company. (See Martin, Earl, assignor.)
- Hoegger, Joseph A. (See Mohr, Otto, assignor.)
- Hoegger, Joseph A., Jersey City, N. J. Hanger for frames and the like. 1,745,574; Feb. 4.
- Hoegger, Joseph A., Jersey City, N. J. Shaving mirror. 1,761,393; June 3.
- Hoegger, Joseph A., Jersey City, N. J. Wall bottle opener. 1,763,848; June 17.
- Hoegger, Joseph A., Jersey City, N. J. Bottle opener. 1,763,849; June 17.
- Hoegger, Joseph A., Jersey City, N. J. Support for brackets and the like. 1,773,815; Aug. 26.
- Hoegger, Joseph A., Jersey City, N. J. Wall bottle cap and cork remover. 1,775,164; Sept. 9.
- Hoegger, Joseph A., Jersey City, N. J. Holder for rolled paper. 1,778,856; Oct. 21.
- Hoegger, Joseph A., Jersey City, N. J. Bracket and shelf. 1,779,236; Oct. 21.
- Hoegger, Joseph A., Jersey City, N. J. Adjustable-tension paper holder. 1,781,547; Nov. 11.
- Hoeh, Albert C. (See Davis, F. M., and Hoeh.)
- Hoehn, Anton. (See von Staden, H. A., and Hoehn.)
- Hoekstra, William A., Grand Rapids, Mich. Swimming device. 1,770,472; July 15.
- Hoel, Carey C., Columbus, Ohio, assignor to Jeannette Shade and Novelty Company, Jeannette, Pa. Lighting fixture. 1,768,322; June 24.
- Hoelper, Hugo, Tacony, Pa. Nut and pipe wrench. 1,758,664; May 13.
- Hoelscher Brothers. (See Hoelscher, Herman M., assignor.)
- Hoelscher, Herman M., assignor to Hoelscher Brothers, Chicago, Ill. Pop-up valve. 1,776,385; Sept. 23.
- Hoelscher, William G. (See Sosa, A. M., and Hoelscher.)
- Hoelzel, Otto, assignor to The Eastern Machine Screw Corporation, New Haven, Conn. Die head. 1,742,913; Jan. 7.
- Hoenes, Herman J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Mold-cleaning machine. 1,750,470; Mar. 11.
- Hoepner Automatic Machinery Corporation, The. (See Cundall, Robert N., assignor.)
- Hoerbiger, Alfred, assignor to the firm Hoerbiger & Co., Mauer, near Vienna, Austria. Gas compressor. 1,759,617; May 20.
- Hoerbiger & Co. (See Hoerbiger, Alfred, assignor.)
- Hoern, Joseph H., Saginaw, Mich., assignor to Wilcox-Rich Corporation. Device for assembling and holding piston rings for machining operations. 1,772,082; Aug. 5.
- Hoern, Joseph H., Saginaw, Mich., assignor to Wilcox-Rich Corporation. Piston-ring burr-removing device. 1,783,121; Nov. 25.
- Hoerr, Louis A., assignor to Western Railway Equipment Company, St. Louis, Mo. Pipe clamp. 1,757,570; May 6.
- Hoerr, Louis A., assignor to Railway Devices Company, St. Louis, Mo. Hand brake. 1,761,209; June 3.

- Hloerr, Louis A., and F. K. Habenicht, assignors to Western Railway Equipment Company, St. Louis, Mo. Pipe clamp. 1,773,142; Aug. 19.
- Hoes, James W., and H. Cronk, assignors to The Wind-Blast Chaffer Company, Sidney, Nebr. Chaffer for thrashing machines and grain harvesters. 1,785,195; Dec. 16.
- Hoetger, Bernhard, Worpswede, near Bremen, Germany. Advertising device. 1,753,203; Apr. 8.
- Hoetger, Bernhard, Worpswede, near Bremen, Germany. Traveling signboard. 1,764,683; June 17.
- Hoewel, Herman F. (See Auerbach, Karl, assignor.)
- Hoewel, Hugo H., Oklahoma City, Okla. Outage rule. 1,742,595; Jan. 7.
- Hoey, Clayton L., Frederica, Del. Spinning pot or centrifuge. 1,759,699; May 20.
- Hoey, John J., Providence, R. I. Tenting machine. 1,746,473; Feb. 11.
- Hof, Wilhelm, et al. (See Lüdorf, Gustav, assignor.)
- Hoff, Carlton L., and G. G. Naugle, York, Pa. Tire-chain tread. 1,745,797; Feb. 4.
- Hoff, Chester A. (See Steese, J. C., and Hoff.)
- Hoff, Edward R., Tompkinsville, N. Y. Toothbrush. 1,742,596; Jan. 7.
- Hoff, Henry, Minneapolis, Minn. Door plate. Des. 81,834; Aug. 19.
- Hoff, Leigh P. (See Sherman, M. C., and Hoff.)
- Hoff, Waldemar, Oslo, Norway. Automatic emergency control. 1,751,084; Mar. 18.
- Hoffa, Erwin. (See Wagner, H., Brune, Hessenland, Hoffa, Müller, and Heyna.)
- Hoffa, Erwin. (See Wagner, H., Hoffa, Runne, Thoma, and Heyna.)
- Hoffa, Erwin, and H. Heyna, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 2-substituted-1-methyl-phenyl-3-mercaptans. 1,762,270; June 10.
- Hoffa, Erwin, and H. Heyna, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 2-substituted-1-methyl-3-thioglycolic acid. 1,762,719; June 10.
- Hoffa, Erwin, and H. Heyna, Frankfort-on-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 5-Halogen-2-cyano-3-amino-1-methyl-benzene compounds. 1,774,650; Sept. 2.
- Hoffa, Erwin, and H. Heyna, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New vat dyestuffs and preparing them. 1,762,817; June 10.
- Hoffa, Erwin, and H. Heyna, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Trimethylthionaphthene vat dyestuffs. 1,782,724; Nov. 25.
- Hoffa, Erwin and F. Müller, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and preparing them. 1,759,259; May 20.
- Hoffa, Erwin, and F. Müller, Frankfort-on-the-Main, Höchst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing hydroxythionaphthenes. 1,785,813; Dec. 23.
- Hoffa, Erwin, and E. Thoma, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs making them. 1,745,676; Feb. 4.
- Hoffa, Erwin, and E. Thoma, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Chlorine-substitution products of 4-nitro-1,3-dimethylbenzene and preparing them. 1,762,018; June 3.
- Hoffberg, Louis, assignor to Vidrio Products Corporation, Chicago, Ill. Ash stand. Des. 80,764; Mar. 18.
- Hoffberg, Louis, assignor to Vidrio Products Corporation, Chicago, Ill. Combined ash tray and stand. Des. 80,765; Mar. 18.
- Hoffer, Le Roy, assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Welding clamping device. 1,781,548; Nov. 11.
- Hoffer, Le Roy H. (See Holmes, H. S., and Hoffer.)
- Hofferberth, George F., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,593; July 1.
- Hoffman, Andrew, assignor to Andrew Hoffman Manufacturing Company, Chicago, Ill. Window fastener. 1,782,896; Nov. 25.
- Hoffman, Andrew, Manufacturing Company. (See Hoffman, Andrew, assignor.)
- Hoffman, Andrew, Manufacturing Co. (See Johnson, Alfred J., assignor.)
- Hoffman, Ayers M. (See Hoffman, Benjamin P., and A. M.)
- Hoffman, Benjamin P., Tulsa, Okla. Rod elevator. 1,768,450; June 24.
- Hoffman, Benjamin P. and A. M., assignors to The Pierce Development Company, Tulsa, Okla. Oil saver. 1,782,851; Nov. 25.
- Hoffman, Charles, Tuckahoe, and T. R. Schweitzer, Ozone Park, assignor to Ward Baking Company, New York, N. Y. Treating butter. 1,749,427; Mar. 4.
- Hoffman, Charles J. (See Herbest, T. R., and Hoffman.)
- Hoffman, Charles T., Washington, D. C. Rail anchor. 1,767,981; June 24.
- Hoffman, Charles T., assignor of one-half to E. L. Groff, Washington, D. C. Toy electric motor. 1,760,498. May 27.
- Hoffman, Christian, Rutherford, N. J., assignor to Golding Bros. Company, New York, N. Y. Textile fabric or similar article of manufacture. Des. 81,238; May 27.
- Hoffman, Edward J., assignor to Eldeen Automatic Hosiery Mender Inc., Boston, Mass. Reknitting needle. 1,765,303; June 17.
- Hoffman, Edward L., Dayton, Ohio. Parachute. 1,757,247; May 6.
- Hoffman, Edward L., Dayton, Ohio. Separable fastener. 1,764,044; June 17.
- Hoffman, Edward L., Dayton, Ohio. Parachute pack. 1,774,513; Sept. 2.
- Hoffman, Edward L., Dayton, Ohio. Parachute. 1,780,190; Nov. 4.
- Hoffman, Elmer. (See Weinheimer, T. A., and Hoffman.)
- Hoffman, Fred D., St. Louis, and O. E. Cluss, Webster Groves, Mo., assignors to Veto Corporation. Gas generator. 1,742,992; Jan. 7.
- Hoffman, George H., and G. E. Olson, Greeley, Colo. Dadoing and mortising attachment for portable power tools. 1,772,833; Aug. 12.
- Hoffman, George R., assignor to Milwaukee Electric Crane & Manufacturing Company, West Allis, Wis. Lumber grapple. 1,767,525; June 24.
- Hoffman, Glenn R., East St. Louis, Ill., assignor, by mesne assignments, to Hoffman-Paulding Company. Holder for milk bottles and other articles. 1,744,385; Jan. 21.
- Hoffman, Glenn R., Springfield, Ill., assignor, by mesne assignments, to Hoffman-Paulding Company. Transmission band. 1,787,376; Dec. 30.
- Hoffman, Glenn R., East St. Louis, Ill., assignor to Hoffman-Paulding Company, Detroit, Mich. Braking mechanism for automobiles and other motor or power driven vehicles. 1,787,377; Dec. 30.
- Hoffman, Harry E., Williamsport, Pa. Loom attachment. 1,758,042; May 13.
- Hoffman, Hugo. (See Luedtke, M. A. G., and Hoffman.)
- Hoffman, John C., Sioux City, Iowa. Extensible bumper for automobiles. 1,754,104; Apr. 8.
- Hoffman, John C., Sioux City, Iowa. Expansible vehicle trunk. 1,768,405; June 24.
- Hoffman, John C., Sioux City, Iowa. Automobile trunk. 1,770,309; July 8.
- Hoffman, John E., Casper, Wyo. Nailing tool. 1,767,926; June 24.
- Hoffman, John F., assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Automatic control valve. 1,757,248; May 6.
- Hoffman, John F., assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Refrigerating system. 1,782,651; Nov. 25.
- Hoffman, John F., assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Refrigerating apparatus. 1,782,687; Nov. 25.
- Hoffman, John F., assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Refrigerating system. 1,782,688; Nov. 25.
- Hoffman, John F., assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Refrigerating apparatus. 1,782,689; Nov. 25.
- Hoffman, Louis, San Francisco, Calif. Panel construction. 1,763,966; June 17.
- Hoffman, Louis A., Chicago, Ill. Electric-light fixture. 1,742,859; Jan. 7.
- Hoffman, Michael, Brooklyn, N. Y. Indicator for motion-picture-projection apparatus. 1,768,063; June 24.
- Hoffman, Michael, Brooklyn, N. Y. Sound-reproducing machine. 1,768,200; June 24.
- Hoffman, Nicholas. (See Brown, I. E., and Hoffman.)
- Hoffman, Oscar. (See Woodman, Commodore B., assignor.)
- Hoffman, Otto C., assignor to C. R. Hatch, Buffalo, N. Y. Outlet or junction box. 1,772,313; Aug. 5.
- Hoffman-Paulding Company. (See Hoffman, Glenn R., assignor.)
- Hoffman, Philip J., Johnstown, Pa., assignor to Bethlehem Steel Company. Valve. 1,762,818; June 10.
- Hoffman, Rudolph, Cleveland, Ohio. Grate. 1,765,426; June 24.
- Hoffman, Simon, New York, N. Y. Device for operating bells by means of door knobs. 1,776,729; Sept. 23.
- Hoffman Specialty Company. (See Simpson, William K., assignor.)
- Hoffman, Walter A. (See Ferguson, J. E., Conn, and Hoffman.)
- Hoffman, Walter F. (See Gortner, R. A., and Hoffman.)
- Hoffmann, Bruno, Spandau-West, Germany, assignor to General Electric Company. Centrifugal compressor. 1,776,152; Sept. 16.
- Hoffmann, Edward C., Beaver Dam, Wis. Cooking stove or range. 1,745,618; Feb. 4.
- Hoffmann, Edward C., Beaver Dam, Wis. Cooking stove. 1,778,943; Oct. 21.
- Hoffmann, Ernst, Salza, near the Harz, assignor to Schmidt, Kranz & Co. Nordhäuser Maschinenfabrik Aktien-Gesellschaft, Nordhausen, near the Harz, Germany. Propulsion conveyer. 1,763,307; June 10.
- Hoffmann, Fred G., Pleasantville, N. Y. Self-locking shoe-buckle holder. 1,747,007; Feb. 11.
- Hoffmann, Gottfried, Ennetbaden, assignor to Motor-Columbus, Aktiengesellschaft für Elektrische Unternehmungen, Baden, Switzerland. Electric insulator. 1,772,947; Aug. 12.

- Hoffmann, Konrad, Kreis Heinsberg, Germany. Process and apparatus for the manufacture of artificial threads of derivatives of cellulose. 1,754,427; Apr. 15.
- Hoffmann, Oswald, Neugersdorf, Germany. Spinning process for polychromatic yarns, devices for said process, and the products of said process. 1,759,260; May 20.
- Hoffmann, Otto, Woodhaven, N. Y., assignor to Art Fixtures, Inc., New York, N. Y. Chandelier or similar article. Des. 80,727; Mar. 18.
- Hoffmann, Otto, Woodhaven, assignor to Art Fixtures, Inc., New York, N. Y. Strap for lighting fixtures or similar articles. Des. 80,837; Apr. 1.
- Hoffmann, Otto, Woodhaven, assignor to Art Fixtures, Inc., New York, N. Y. Corner ornament for lighting fixtures or similar articles. Des. 80,838; Apr. 1.
- Hoffmann, Otto, Woodhaven, assignor to Art Fixtures, Inc., New York, N. Y. Chandelier or similar article. Des. 80,892; Apr. 8.
- Hoffmann, Otto, Woodhaven, assignor to Art Fixtures, Inc., New York, N. Y. Lantern or similar article. Des. 80,893; Apr. 8.
- Hoffmann, Otto, Woodhaven, assignor to Art Fixtures, Inc., New York, N. Y. Lighting fixture or similar article. Des. 80,894; Apr. 8.
- Hoffmann, Otto, Woodhaven, N. Y., assignor to Art Fixtures, Inc., New York, N. Y. Wall bracket or similar article. Des. 80,952; Apr. 15.
- Hoffmann, Otto, Woodhaven, N. Y., assignor to Art Fixtures, Inc., New York, N. Y. Canopy for lighting fixtures or similar articles. Des. 81,443; June 24.
- Hoffmann, Ulrich. (See Meyer, K. H., Müller, and Hoffmann.)
- Hoffmann, Ulrich. (See Müller, J., and Hoffmann.)
- Hoffmann, Willibald, Milwaukee, Wis. Display device for show cases, windows, and similar places. 1,762,987; June 10.
- Hoffmaster, Harry W., and F. H. Howard, assignors to Reading Chain and Block Corporation, Reading, Pa. Push button contact switch box. 1,769,739; July 1.
- Hoffmeister, Halesia D., Los Angeles, Calif. Device for correlating the staff with the keyboard of pianos. 1,758,043; May 13.
- Hoffmire, John S., Auburn, N. Y. Shoe rack. 1,769,344; July 1.
- Hoffmire, John S. Co. (See Lewis, George W., assignor.)
- Hofmann, Albert, Zurich-Engel, Switzerland. Safety mechanism for clutch operators. 1,776,000; Sept. 16.
- Hofmann, Alfred, & Co. (See Anderson, Victor, assignor.)
- Hofmann, Carl, Berlin, Germany. Stretching and smoothing device for neckties. 1,775,431; Sept. 9.
- Hofmann, Friedrich, Mulheim-on-the-Ruhr, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Fuel-injection device for explosion engines. 1,786,946; Dec. 30.
- Hofmann, Fritz. (See Ossanna, J., Graner, and Hofmann.)
- Hofmann, Fritz, Breslau, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Oxidizing paraffins, waxes, and the like. 1,762,688; June 10.
- Hofmann, Hugo, Johnson City, Tenn., assignor to American Bemberg Corporation, New York, N. Y. Tying string for skeins. 1,785,414; Dec. 16.
- Hofmann, Johannes W., Kottschenbroda, near Dresden, Germany. Oscillating-damping device free from radiation for electric lines. 1,766,995; June 24.
- Hofmann, Julius C. (See Reiterer, R., and Hofmann.)
- Hofmann, Konrad, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Purifying pig iron. 1,782,923; Nov. 25.
- Hofmann, Otto U., Philadelphia, Pa. Welding and the resultant product. 1,782,234; Nov. 18.
- Hofmann, Reinhard, Vevey, Switzerland, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Water turbine with a high specific speed. 1,748,768; Feb. 25.
- Hofmann, Victor E., Toledo, Ohio. Method of and apparatus for drawing sheet glass. 1,760,499; May 27.
- Hofmann, Volney L., Cincinnati, Ohio. Sign. 1,746,943; Feb. 11.
- Höfner, Jakob, Thum im Erzgebirge, Germany. Method of and apparatus for finishing textile goods. 1,758,665; May 13.
- Hofseth, Bjarne, Leirbotn, Norway. Extracting useful elements from their ores by the aid of gases. 1,759,456; May 20.
- Hofstetter, Robert, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control instrument. 1,748,953; Mar. 4.
- Hofstetter, Robert, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling members. 1,749,076; Mar. 4.
- Hofstetter, Robert, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Indicating apparatus. 1,764,628; June 17.
- Hozaboom, George B., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Nickel anode. 1,757,714; May 6.
- Hogan, Edward L. (See Morse, C. T., and Hogan.)
- Hogan, George F., Chicago, Ill. Truss. 1,747,714; Feb. 18.
- Hogan, Jay J., Erie, Pa., assignor to The Bryant Electric Company, Bridgeport, Conn. Switch. 1,749,536; Mar. 4.
- Hogan, Jay J., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,758,793; May 13.
- Hogan, John, Altavista, Va., assignor to The Lane Company, Inc. Lock. 1,759,402; May 20.
- Hogan, John R., Altavista, Va., assignor to The Lane Company, Inc., Cedar chest. 1,756,746; Apr. 29.
- Hogan, John R., Altavista, Va., assignor to The Lane Company, Inc. Lock. 1,759,401; May 20.
- Hogan, John V. L., Forest Hills, N. Y., assignor to Radio Inventions, Inc. Acoustic device. 1,776,223; Sept. 16.
- Hogan, Michael J., Chicago, Ill. Interchangeable-character-locking device. 1,748,984; Mar. 4.
- Hogan, William A., Danville, Va. Automatic stop-motion feeler for tentering machines. 1,776,224; Sept. 16.
- Hogancamp, Marion A., Seattle, Wash. Agitating and aerifying device. 1,768,765; July 1.
- Hogberg, John L., Attleboro, Mass., and J. A. Granskog, Hills Grove, assignor to General Chain Company, Providence, R. I. Chain link. 1,744,765; Jan. 28.
- Hoge, John R., and L. D. Soubier, Toledo, Ohio, assignor to American Patents Corporation. Game apparatus. 1,785,088; Dec. 16.
- Hogg, Francis, Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Coal pusher for locomotive tenders. 1,747,899; Feb. 18.
- Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Threading-die-operating attachment. 1,762,988; June 10.
- Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Threading die. 1,783,539; Dec. 2.
- Hogg, William J., and F. Neumann, assignors to The National Acme Company, Cleveland, Ohio. Die-chaser-grinding fixture. 1,783,540; Dec. 2.
- Hogg, William J., and F. Neumann, assignors to The National Acme Company, Cleveland, Ohio. Tool holder. 1,783,541; Dec. 2.
- Hogelund, Carl F., assignor to Flour City Specialty Mfg. Co., Minneapolis, Minn. Full-vision frost shield. 1,777,435; Oct. 7.
- Hogner, Einar G. E., Stockholm, Sweden. Mechanical pencil. 1,746,474; Feb. 11.
- Hogner, Einar G. E., Stockholm, Sweden. Hull of ships. 1,779,041; Oct. 21.
- Hogrebe, Arthur E., assignor to Box Crane & Hoist Corporation, Philadelphia, Pa. Crane trolley. 1,781,281; Nov. 11.
- Hogue, Clayton M., Benton Harbor, Mich. Shipping basket. 1,746,653; Feb. 11.
- Hohaus, Verne T., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Return bend. 1,777,753; Oct. 7.
- Hohenzollern Aktiengesellschaft für Lokomotivbau. (See Lindner, Walther, assignor.)
- Hohl, George I. (See Evans, H. L., and Hohl.)
- Hohl, George I., assignor to Cartonizing Machinery Corporation, Newport, R. I. Packaging mechanism. 1,754,318; Apr. 15.
- Hohl, George I., and H. L. Evans, assignors to Cartonizing Machinery Corporation, Newport, R. I. Circular feeding and folding mechanism. 1,747,367; Feb. 18.
- Hohm, Carl. (See McLeod, H. R., and Hohm.)
- Hohmann, Richard K., Brooklyn, assignor to Frederick Osann Company, New York, N. Y. Sewing machine. 1,748,479; Feb. 25.
- Hohmeister, Arthur E., assignor to The John Douglas Company, Cincinnati, Ohio. Elbow housing and the like. 1,776,386; Sept. 23.
- Höhn, Anton. (See von Staden, H. A., Berenbruch, and Höhn.)
- Hohn, Max P. E., assignor to the firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Sharpening the fly cutters of cigarette-rod machines. 1,746,257; Feb. 11.
- Hohn, Max P. E., assignor to the firm "Universelle" Cigarettenmaschinenfabrik J. C. Müller & Co., Dresden, Germany. Means for counter rolling a cigarette paper. 1,752,340; Apr. 1.
- Hohn, Max P. E., assignor to the firm "Universelle" Cigarettenmaschinenfabrik J. C. Müller & Co., Dresden, Germany. Sharpening-roller arrangement for the revolving sickle knives in cigarette-rod machines. 1,752,341; Apr. 1.
- Hohn, Max P. E., assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Müller & Co., Dresden, Germany. Cigarette-making machine. 1,759,747; May 20.
- Hohn, Max P. E., Dresden, assignor to The Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Cigarette-making machine. 1,784,443; Dec. 9.
- Hohndorf, William. (See Beck, H., and Hohndorf.)
- Höhne, Wilhelm, Berlin-Charlottenburg, assignor to Deutsche Telefonwerke und Kabelindustrie Aktiengesellschaft, Berlin, Germany. Tubular postal section. 1,753,169; Apr. 1.
- Höhne, Wilhelm, Berlin-Charlottenburg, assignor to Deutsche Telefonwerke und Kabelindustrie Aktiengesellschaft, Berlin, Germany. Tubular postal system. 1,753,987; Apr. 8.
- Höhne, Wilhelm, Berlin-Charlottenburg, assignor to Deutsche Telefonwerke und Kabelindustrie Aktiengesellschaft, Berlin, Germany. Tubular postal dispatching station. 1,753,988; Apr. 8.
- Höhne, Wilhelm, Berlin-Charlottenburg, assignor to Deutsche Telefonwerke und Kabelindustrie Aktiengesellschaft, Berlin, Germany. Switch point for tubular postal systems. 1,753,989; Apr. 8.

- Höhne, Wilhelm, Berlin-Charlottenburg, assignor to Deutsche Telefonwerke und Kabelindustrie Aktiengesellschaft, Berlin, Germany. Sluice for tubular dispatch system. 1,770,696; July 15.
- Hohner, Jacob, Trossingen, Germany. Mouth organ. 1,783,173; Dec. 2.
- Hoiem, Ole J., Bellingham, Wash. Floor-mop handle. 1,750,930; Mar. 18.
- Hois, Louis J., assignor to Geuder, Paeschke & Frey Company, Milwaukee, Wis. Steamer cooker. 1,750,596; Mar. 11.
- Hoisington, Harry, Davenport, Iowa. Speed-responsive device. 1,743,919; Jan. 14.
- Hojnowski, Jakob, Nekoosa, Wis. Helicopter aeroplane with a plurality of propellers. 1,750,108; Mar. 11.
- Hojnowski, Jakob, Nekoosa, Wis. Helicopter aeroplane. 1,777,492; Oct. 7.
- Hokanson, Martin, assignor to Marshall-Wells Company, Duluth, Minn. Shovel. 1,755,923; Apr. 22.
- Hokanson, Martin, assignor to Marshall-Wells Company, Duluth, Minn. Hollow-back shovel. 1,776,434; Sept. 23.
- Hoke, Harry H., jr., Washington, D. C. Game attachment for coin machines. 1,756,861; Apr. 29.
- Hoke, William E., Baltimore, Md. Method of and apparatus for making gears. 1,749,670; Mar. 4.
- Hoke, William E., Baltimore, Md. Apparatus for finishing gears. 1,749,704; Mar. 4.
- Hoke, William E., Baltimore, Md., assignor to J. Mercadante, New York, N. Y. Rotary pump. 1,742,597; Jan. 7.
- Hoke, William E., Baltimore, Md., assignor to Dardet Threadlock Corporation, New York, N. Y. Valve mechanism. 1,781,011; Nov. 11.
- Hokin, Barney E., Chicago, Ill. Home golf game. 1,783,089; Nov. 25.
- Hol, John C. (See De Jarnette, Henry W., assignor.)
- Holaday, Fred M., Virginia Place Tract, Calif. Steering apparatus for automobiles. 1,763,785; June 17.
- Holan, James, Cleveland, Ohio. Bulletproof window for armored cars. 1,745,299; Jan. 28.
- Holan, James, assignor to The American Coach & Body Company, Cleveland, Ohio. Curtain for motor vehicles. 1,767,071; June 24.
- Holben, George O., Allentown, Pa. Container. 1,768,064; June 24.
- Holbrook, Art E., Joplin, Mo. Fisherman's outfit. 1,767,887; June 24.
- Holbrook, Charles H. (See Holbrook, Fred E. and C. H.)
- Holbrook, Fred E., Elmira, and C. H. Holbrook, Hornell, N. Y. Valve control for driving engines. 1,751,920; Mar. 25.
- Holbrook, Frederick C., Dummerston, Vt. Packing case. 1,757,087; May 6.
- Holbrook, Gordon G., Maplewood, N. J. Steel hull and building the same. 1,782,422; Nov. 25.
- Holbrook, Newton D., Thomaston, Conn. Operating mechanism for timepieces. 1,773,308; Aug. 19.
- Holbrook, William C., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,599; July 1.
- Holcomb, Alpheus E., assignor to Kochring Company, Milwaukee, Wis. Locomotive crane. 1,751,633; Mar. 25.
- Holcomb, Dayton, B., Pasadena, Calif. Surgical garment. 1,778,801; Oct. 21.
- Holcomb, Walter W., Chicopee Falls, Mass., assignor to American Chain Company, Inc. Bench tool for repairing chains. 1,748,128; Feb. 25.
- Holcomb, William K., Riverside, Calif. Chin support for washbasins. 1,777,086; Sept. 30.
- Holcombe, William L., Trenton, N. J. Toy aeroplane. 1,745,300; Jan. 28.
- Holdaway, Hall H., Long Beach, assignor to Byron Jackson Co., West Berkeley, Calif. Antifriction bearing for drill pipes. 1,756,195; Apr. 29.
- Holdaway, Hall H., Long Beach, assignor to Byron Jackson Co., West Berkeley, Calif. Pin thread for disk bit mountings. 1,766,635; June 24.
- Holdaway, William S., Sawtelle, assignor, by mesne assignments, to Byron Jackson Co., West Berkeley, Calif. Rotary disk drill. 1,769,371; July 1.
- Holdeman, Harry R., assignor to J. M. Feldman Co. Inc., Los Angeles, Calif. Panel for lighting fixtures or similar articles. Des. 80,839; Apr. 1.
- Holden, Albert D., Texon, Tex. Golf tee. 1,781,757; Nov. 18.
- Holden, Arthur P., and P. Morgan, Toronto, Ontario, Canada. Electric ignition for oil burners. 1,756,686; Apr. 29.
- Holden, Benedict M., Hartford, Conn. Shield for window openings. 1,777,087; Sept. 30.
- Holden, Charles A. (See Hadden, G., and Holden.)
- Holden, Frank, Aldwych, London, England. Electrically-driven clock. 1,755,649; Apr. 22.
- Holden, James H., Brentwood; T. O'Brien, Sharon; and J. C. Whetzel and R. E. Zimmerman, assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Removing, purifying, and recovering oil from tin plate. 1,763,430; June 10.
- Holden, John W. W., Providence, R. I. Bead-chain connector. 1,763,850; June 17.
- Holden, Joseph B., assignor to Diemoulding Production Company Inc., Canastota, N. Y. Shell handle. 1,742,914; Jan. 7.
- Holden, Joseph B., assignor to Diemoulding Production Company, Incorporated, Canastota, N. Y. Jewel case. 1,755,063; Apr. 15.
- Holden, Richard, Blackburn, England. Shuttle-releasing motion of looms for weaving. 1,776,626; Sept. 23.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Amplifying system. 1,742,251; Jan. 7.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Piezo-electric frequency eliminator. 1,742,252; Jan. 7.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Unipotential-cathode vacuum tube. 1,745,369; Feb. 4.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Thermionic vacuum tube. 1,748,175; Feb. 25.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Vacuum tube. 1,754,234; Apr. 15.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Vacuum tube and preparing the same. 1,755,257; Apr. 22.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Battery-charging circuits. 1,755,258; Apr. 22.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Remote-control system. 1,778,077; Oct. 14.
- Holder, Lawrence, Los Angeles, Calif. Device for displaying draperies, etc. 1,744,635; Jan. 21.
- Holderness, John, Chicago, Ill. Box-car door. 1,761,301; June 3.
- Holdridge, William R., Lima, Ohio. Wrench. 1,779,704; Oct. 28.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Valve. 1,768,840; July 1.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Valve. 1,768,841; July 1.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Valve. 1,768,842; July 1.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Valve. 1,768,843; July 1.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Valve. 1,768,844; July 1.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 1,768,845; July 1.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 1,768,846; July 1.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Unloading mechanism. 1,769,783; July 1.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Sound-deadening device. 1,774,178; Aug. 26.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,785,956; Dec. 23.
- Holdzkorn, Samuel E., et al. (See Barili, A. E. H., and Hyle, assignors.)
- Holed-Tite Packing Corporation. (See Koppelman, Morris, assignor.)
- Holek, Emanuel, assignor to the Firm Ceskoslovenska Zbrojovka Akciova Spolecnost V Brne, Brunn, Czechoslovakia. Firing mechanism for automatic firearms. 1,786,536; Dec. 30.
- Holek, Václav, assignor to the Firm Ceskoslovenska Zbrojovka Akciova Spolecnost V Brne, Brunn, Czechoslovakia. Apparatus for filling magazines for self-loading firearms. 1,786,537; Dec. 30.
- Holford, Harvey, Separators, Limited. (See Holford, Hastings J., assignor.)
- Holford, Hastings J., assignor to Harvey Holford Separators, Limited, London, England. Separator for the treatment of mixtures of mutually-insoluble liquids. 1,756,862; Apr. 29.
- Holiday, Harry, Glenshaw, W. McKnight, and J. G. Christfield, Butler, Pa., assignor, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Heating furnace. 1,755,875; Apr. 22.
- Holinger, Emil F., New York, N. Y. Anticreeping device for railway rails. 1,743,063; Jan. 7.
- Holinger, Emil F., assignor to Hudson Electrical Heating Corporation, New York, N. Y. Apparatus for thermstatic control of electrical circuits. 1,762,174; June 10.
- Holinger, Emil F., assignor to Hudson Electrical Heating Corporation, New York, N. Y. Water heater. 1,779,937; Oct. 28.
- Holinger, Emil F., assignor to Hudson Electrical Heating Corporation, New York, N. Y. Electric heater. 1,782,825; Nov. 25.
- Holl, Alfred. (See Nawiasky, P., Krause, and Holl.)
- Holland, Charlotte M., administratrix. (See Holland, Newman H.)
- Holland Furnace Company. (See de Lannoy, George C., assignor.)
- Holland, Horace B., Woodside, N. Y. Graphical recording means for stock quotations. 1,772,605; Aug. 12.
- Holland-Letz, Ludwig, Crown Point, Ind. Take-up for multiple antifriction bearings. 1,744,393; Jan. 21.
- Holland, Lionel, Calcutta, British India. Aeroplane-landing means. 1,756,747; Apr. 29.

- Holland, Margaret C., Exmouth, England. Netted fabric and producing the same. 1,769,953; July 8.
- Holland, Newman H., deceased, by C. M. Holland, administratrix, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording telephone conversations. 1,730,919; Nov. 11.
- Holland, Roy A. (See Whiting, G. A., and Holland.)
- Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Electric battery. 1,744,896; Jan. 28.
- Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Battery separator. 1,765,271; June 17.
- Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Charge indicator for storage batteries. 1,777,436; Oct. 7.
- Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Electric battery. 1,781,640; Nov. 11.
- Holland, Walter E., and D. P. Earnshaw, assignors to Philadelphia Storage Battery Company, Philadelphia, Pa. Radio receiver control. 1,754,105; Apr. 8.
- Holland, Walter E., Philadelphia, and L. J. Pearson, Wyncote, Pa., assignors to Philadelphia Storage Battery Company, Philadelphia, Pa. Electrolyte cell. 1,781,641; Nov. 11.
- Hollaender, Aladar, Berkeley, Calif., assignor, by mesne assignments, to Byron Jackson Pump Co. Centrifugal pump assembly. 1,743,348; Jan. 14.
- Hollo, Roy, Mount Healthy, Ohio. Mechanical hammer. 1,745,694; Feb. 4.
- Hollenback, George M., Los Angeles, Calif. Dental device. 1,750,804; Mar. 18.
- Hollenback, George M., Los Angeles, Calif. Dental device. 1,772,083; Aug. 5.
- Hollenbeck, Caroline D., Sheridan, Wyo. Cap. 1,787,378; Dec. 30.
- Hollenbeck, Harold W., Kirkland, assignor to Durable Mat Company, Seattle, Wash. Flexible mat. 1,752,846; Apr. 1.
- Hollenbeck, Oscar D., Wadsworth, assignor to Seiberling Latex Products Company, Barberton, Ohio. Protective cover for ignition distributors. 1,748,650; Feb. 25.
- Hollender, Max, New York, N. Y. Dispenser. 1,743,605; Jan. 14.
- Hollenweger, Max, Bonn, Germany. Water-closet pan. 1,759,574; May 20.
- Hollstelle, Jan H., St. Louis, Mo., assignor to The Kennedy Corporation, Wilmington, Del. Drilling tool. 1,766,253; June 24.
- Holley, Earl. (See Anderson, Walter S., assignor.)
- Holley, Earl. (See Dostal, Joseph L., assignor.)
- Holley, George M. (See Beard, Bert, assignor.)
- Holley, George M. (See Petit, Henry B., assignor.)
- Holley, George M., Detroit, Mich. Vaporizing device. 1,745,325; Jan. 28.
- Holley, George M., Detroit, Mich. Carburetor-accelerating means. 1,770,404; July 15.
- Holliday, Clarence E., St. Paul, Minn. Shooting device. 1,748,651; Feb. 25.
- Holliday, J. Margaret, administratrix. (See Holliday, John S.)
- Holliday, J. Margaret, administratrix. (See Loughbridge, M. H., and Holliday.)
- Holliday, John F., assignor to Hincer Manufacturing Company, Washington, Ind. Removable folding seat. 1,756,687; Apr. 29.
- Holliday, John S. (See Loughbridge, M. H., and Holliday.)
- Holliday, John S., deceased, New York, N. Y.; J. M. Holliday, administratrix, assignor to M. H. Loughbridge, trustee, Bogota, N. J. Train-control system. 1,747,368; Feb. 18.
- Holliday Life Saving Headlight Company. (See Holliday, Thomas C., assignor.)
- Holliday, Thomas C., assignor to Holliday Life Saving Headlight Company, Jackson, Miss. Dirigible headlight. 1,748,769; Feb. 25.
- Hollier, Walter J., St. Louis, Mo. Washing machine. 1,754,951; Apr. 15.
- Hollindale, Wilfred H. (See Schnell, W., and Hollindale.)
- Hollindale, Wilfred H., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Dome light or the like for an automotive vehicle. Des. 80,381; Jan. 21.
- Hollindale, Wilfred H., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window-regulator handle or the like for an automotive vehicle. Des. 80,840; Apr. 1.
- Holling, Frederick C. (See Johnsen, M., and Holling.)
- Hollinger, Harry C., assignor to A. B. Farquhar Co. Limited, York, Pa. Wide-spread. 1,764,956; June 17.
- Hollinger, Harry C., assignor to A. B. Farquhar Co. Limited, York, Pa. Vehicle. 1,777,364; Oct. 7.
- Hollinger, William M., Harrisburg, assignor of one-half to L. M. Baschour, Hampden Township, Pa. Heating switch. 1,778,637; Oct. 14.
- Hollingshead, Arthur G., et al, trustees. (See Ayers, Augustine R., assignor.)
- Hollingshead, R. M., Co., The. (See Bagley, Robert M., assignor.)
- Hollingshead, R. M., Company, The. (See De Loache, George W., assignor.)
- Hollingshead, William B., Mount Vernon, N. Y. Sound-damping device. 1,768,766; July 1.
- Hollingsworth, Ardent, Portland, Oreg. Bathing suit or similar article. Des. 81,135; May 13.
- Hollingsworth, Carl W., Marshalltown, Iowa. Breather cap for crank casings. 1,775,557; Sept. 9.
- Hollingsworth, Fred M., Greenfield, Calif. Wire stretcher. 1,747,473; Feb. 18.
- Hollingsworth, Ira M. (See Hollingsworth, Valorus S., assignor.)
- Hollingsworth, Jephtha G., Kansas City, Mo. Plate frame for supporting artificial teeth and making same. 1,767,130; June 24.
- Hollingsworth, Valorus S., assignor of one-half to I. M. Hollingsworth, Los Angeles, Calif. Windmill. 1,752,847; Apr. 1.
- Hollingsworth, William F. (See Blair, John H., assignor.)
- Hollins, Cecil, and E. Chapman, assignors to British Dye-stuffs Corporation Limited, Blackley, Manchester, England. Manufacture of aerated waters, sparkling drinks, and the like. 1,777,365; Oct. 7.
- Hollins, Cecil, and E. Chapman, assignors to British Dye-stuffs Corporation Limited, Blackley, Manchester, England. Manufacture of aerated waters, sparkling drinks, and the like. 1,777,366; Oct. 7.
- Hollins, Cecil, and E. Chapman, assignors to British Dye-stuffs Corporation Limited, Blackley, Manchester, England. Manufacture of aerated waters, sparkling drinks, and the like. 1,777,367; Oct. 7.
- Hollins, Jack, Middlewich, and D. J. Glossop, assignors to Imperial Chemical Industries Limited, London, England. Reeling machine. 1,762,866; June 10.
- Hollins, Jack, Rosemount, Middlewich, assignor to Imperial Chemical Industries Limited, London, England. Electrodeposition of metals. 1,782,614; Nov. 25.
- Hollister, Edward E., assignor to Hollister-Whitney Company, Quincy, Ill. Air-actuated lifting device. 1,750,597; Mar. 11.
- Hollister, Edward E., assignor to Hollister-Whitney Company, Quincy, Ill. Automobile lift. 1,767,982; June 24.
- Hollister-Whitney Company. (See Hollister, Edward E., assignor.)
- Hollnagel, Herbert P., Swampscott, Mass., assignor to General Electric Company. Motion damping means. 1,743,775; Jan. 14.
- Hollnagel, Herbert P., Swampscott, Mass., assignor to General Electric Company. Motion damping means. 1,743,776; Jan. 14.
- Holloway, Harry F., Kansas City, Mo. Bench or similar article. Des. 82,155; Sept. 30.
- Holloway, Harry F., Kansas City, Mo. Bench or similar article. Des. 82,156; Sept. 30.
- Holloway, Jack. (See Frazier, Orville Z., assignor.)
- Holloway, John H., La Fayette, Ind. Graphophone clock. 1,785,121; Dec. 16.
- Holloway, John H., assignor to Northwest Engineering Corporation, Green Bay, Wis. Charge-forming apparatus. 1,778,190; Oct. 14.
- Hollowell, Irvin L. (See Beal, F., and Hollowell.)
- Hollup, Charles H., Chicago, Ill., assignor to Hollup Corporation. Electrode holder. 1,748,346; Feb. 25.
- Hollup, Charles H., Chicago, Ill., assignor to Hollup Corporation. Electrode holder. 1,756,556; Apr. 29.
- Hollup Corporation. (See Hollup, Charles H., assignor.)
- Hollup Corporation. (See Kinkad, Robert E., assignor.)
- Hollup Corporation. (See Pennington, Harry P., assignor.)
- Hollup Corporation. (See Turbayne, William A., assignor.)
- Holly, Ed J., Taylor, Tex. Automatic railroad gate. 1,766,516; June 24.
- Holly, Edward B., jr. (See Pichl, Anthony J., assignor.)
- Hollywood, Oney, Hyattville, Wyo. Fur stretcher. 1,755,118; Apr. 15.
- Holm Company. (See Holm, John H., assignor.)
- Holm, John H., assignor to Holm Company, Kenosha, Wis. Golf-teeing stand or similar device. Des. 82,678; Dec. 2.
- Holm, John H., and L. E. Holm, assignors to Holm's Manufacturing Company, Kenosha, Wis. Vibrating-machine casing. Des. 80,955; Apr. 15.
- Holm, Luther E. (See Holm, John H., and L. E.)
- Holman, Arthur T. (See Holman, John L. and A. T.)
- Holman Brothers Limited. (See Holman, John L. and A. T., assignors.)
- Holman, Harry V., assignor to Adjustable Clamp Company, Chicago, Ill. Adjustable clamp. 1,783,713; Dec. 2.
- Holman, John L. and A. T., assignors to Holman Brothers Limited, Camborne, England. Fluid-operated reciprocating machine tool. 1,750,890; Mar. 18.
- Holmberg, Albert W., South Orange, N. J., assignor to American Rubber Company, Boston, Mass. Waterproofing composition. 1,754,827; Apr. 15.
- Holmberg, Anders, Stockholm, Sweden. Sintering apparatus. 1,757,863; May 6.
- Holmberg, John A., Lindsborg, Kans. Steam-radiator return valve. 1,744,636; Jan. 21.
- Holmes, Arthur W., Veedersburg, D. E. Jaques, Throntown, and H. B. Coats, Veedersburg, Ind. Portable cleaning machine. 1,774,326; Aug. 26.
- Holmes, Bradford B., New York, N. Y., assignor to American Chain Company, Inc. Shock absorber. 1,751,479; Mar. 25.
- Holmes, Daisy N., executrix. (See Holmes, William T.)
- Holmes, Daniel T., assignor of one-fourth to O. Rogers and one-fourth to E. Williams, Webb City, Mo. Brake. 1,766,517; June 24.
- Holmes Disappearing Bed Company. (See Ellsworth, Ross J., assignor.)
- Holmes, Earl K. (See Harvey, H. E., and Holmes.)

- Holmes, Earl K., assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Forming hollow articles. 1,749,428; Mar. 4.
- Holmes, Earl K., assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Method and machine for hanging tubes. 1,775,766; Sept. 16.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Let-off mechanism for looms. 1,752,488; Apr. 1.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side-slipping movable-plunger weft detector. 1,766,821; June 24.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Chain guard for narrow-ware looms. 1,766,903; June 24.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking motion for looms. 1,777,368; Oct. 7.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin for electrical feelers. 1,786,654; Dec. 30.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin support for weft-replenishing looms. 1,786,655; Dec. 30.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Connecting mechanism for jacquard levers. 1,786,656; Dec. 30.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Let-off for narrow ware looms. 1,786,657; Dec. 30.
- Holmes Electric Protective Company. (See Hess, Simon B., assignor.)
- Holmes Electric Protective Company. (See Roe, William C., assignor.)
- Holmes, Elizabeth B. (See Holmes, Sydney V., assignor.)
- Holmes, Ernest, Company. (See Holmes, Ernest W., assignor.)
- Holmes, Ernest, Company. (See Holmes, E. W., and Cline, assignors.)
- Holmes, Ernest W., assignor to Ernest Holmes Company, Chattanooga, Tenn. Automobile jack. 1,750,598; Mar. 11.
- Holmes, Ernest W., and E. E. Cline, assignors to Ernest Holmes Company, Chattanooga, Tenn. Steering-gear clamp for towed automobiles. 1,750,599; Mar. 11.
- Holmes, Frank G., assignor to Lenox, Inc., Trenton, N. J. Plate or similar article. Des. 80,314; Jan. 14.
- Holmes, Frank G., assignor to Lenox, Inc., Trenton, N. J. Plate or similar article. Des. 80,315; Jan. 14.
- Holmes, Frank G., assignor to Lenox, Inc., Trenton, N. J. Plate or similar article. Des. 82,375; Oct. 28.
- Holmes, Frederick J., Detroit, Mich., assignor to United States Trust Company of Detroit, trustee. Rotary valve. 1,754,019; Apr. 8.
- Holmes, George A., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Envelope fastener. 1,756,746; May 6.
- Holmes, George A., Newton, assignor, by mesne assignments to United-Carr Fastener Corporation, Cambridge, Mass. Fastener plate. 1,759,847; May 27.
- Holmes, George A., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 1,763,521; June 10.
- Holmes, George A., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Key holder. 1,764,451; June 17.
- Holmes, Grant, Danville, and A. Allen, Glencoe, Ill., assignors to Robt. Holmes & Bros., Inc., Danville, Ill. Car-retarding device. 1,758,836; May 13.
- Holmes, Grant, Danville, Ill., assignor to The Marion Steam Shovel Company, Marion, Ohio. Controlling mechanism for steam engines and the like. 1,778,191; Oct. 14.
- Holmes, Grant, Danville, Ill. Steering mechanism for self-propelled vehicles. 1,783,288; Dec. 2.
- Holmes, Harold W., Detroit, Mich., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Truing device. 1,750,175; Mar. 11.
- Holmes, Harry N., Oberlin, Ohio. Preparation of absorptive gels. 1,762,228; June 10.
- Holmes, Henry H., assignor to Wildt & Company, Limited, Leicester, England. Knitting machine. 1,776,809; Sept. 30.
- Holmes, Henry S., New York, N. Y., assignor, by mesne assignments, to Metropolitan Engineering Company. Making flanged tubes and the like. 1,776,855; Sept. 30.
- Holmes, Henry S., New York, N. Y., and Le R. H. Hoffer, Brooklyn, N. Y., assignors, by mesne assignments, to Metropolitan Engineering Company. Welding machine and method. 1,776,587; Sept. 23.
- Holmes, Herbert G., assignor to Novo Engine Company, Lansing, Mich. Power-driven pump. 1,751,634; Mar. 25.
- Holmes, Herbert G., assignor to Novo Engine Company, Lansing, Mich. Relief valve. 1,780,782; Nov. 4.
- Holmes, Julius F. (See Johnson, John F., assignor.)
- Holmes, Minot K., assignor to Hemingray Glass Company, Muncie, Ind. Bottle. Des. 82,326; Oct. 21.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,763,631; June 10.
- Holmes, Morris P., assignor to Sullivan Machinery Company, Claremont, N. H. Mining machine. 1,769,878; July 1.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,770,922; July 22.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,770,923; July 22.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,770,924; July 22.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,771,959; July 29.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,773,532; Aug. 19.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Automatic lubricator. 1,774,271; Aug. 26.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,774,485; Aug. 26.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,777,615; Oct. 7.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Adjustable jack. 1,784,991; Dec. 16.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,785,196; Dec. 16.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,785,957; Dec. 23.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,785,958; Dec. 23.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,785,959; Dec. 23.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,785,960; Dec. 23.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,785,961; Dec. 23.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,786,243; Dec. 23.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,786,244; Dec. 23.
- Holmes, Ralph C., New York, N. Y., and F. T. Manley, Houston, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Cracking oils. 1,786,947; Dec. 30.
- Holmes, Robt. H., & Bros., Inc. (See Holmes, G., and Allen, assignors.)
- Holmes, Sydney V., assignor to E. B. Holmes, St. Paul, Minn. Game apparatus. 1,757,088; May 6.
- Holmes, Walter G., Minneapolis, Minn., assignor to Kny-Scheerer Corporation, New York, N. Y. Water-feed control. 1,769,836; July 1.
- Holmes, William, Chicago, Ill. Kneeling pad. 1,753,606; Apr. 8.
- Holmes, William B., Hammonton, N. J. Ladder-jack-supporting device. 1,758,319; May 13.
- Holmes, William T., deceased; D. N. Holmes, executrix, assignor to Monitor Controller Company, Baltimore, Md. Electric-motor starter. 1,753,116; Apr. 1.
- Holmgreen, Eugene A., San Antonio, Tex. Cotton tramper. 1,751,332; Mar. 18.
- Holmquist, Earl B. (See Wallace, W. A., and Holmquist.)
- Holmquist, Edward C. (See Wallace, W. A., and Holmquist.)
- Holm's Manufacturing Company. (See Holm, John H. and L. E., assignors.)
- Holms, Walter. (See Olson, A., and Holms.)
- Holmstrom, Axel, Monte Carlo, Monaco. Adjustable spraying device for etching machines. 1,747,168; Feb. 18.
- Holmström, Axel, Viggbyholm, Sweden. Air-cooling system. 1,759,575; May 20.
- Holness, Wallace, assignor, by mesne assignments, to Pratt & Letchworth Company, Buffalo, N. Y. Producing helically-coiled springs of uniform length. 1,779,131; Oct. 21.
- Holophane Company. (See Dorey, W. A., and Rolph, assignors.)
- Holophane Company. (See Jenkins, Howard L., assignor.)
- Holophane Company. (See Rolph, Thomas W., assignor.)
- Holophane Company. (See Rucker, George, assignor.)
- Holoubek, Joseph, New York, N. Y. Crab trap. 1,785,348; Dec. 16.
- Holper, Marcus, Coraopolis, Pa. Luminous electric-light switch. 1,749,881; Mar. 11.
- Holsclaw, Harry E. (See Holsclaw, Walter E. and H. E.)
- Holsclaw, Walter E. and H. E., Evansville, Ind. Pipe and tube bender. Re17,732; July 15.
- Holsen, Alban A., Two Rivers, Wis. Tool for compressing valve springs. 1,753,888; Apr. 8.
- Holst, Gilles, Eindhoven, Netherlands, assignor to Radio Corporation of America. Light valve. 1,767,132; June 24.

- Holst, Gilles, G. B. Jones, and A. Bouwers, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Anticathode for discharge tubes. 1,754,716; Apr. 15.
- Holst, Lodewyk J. R., Brookline, Pa., assignor, by mesne assignments, to Brock & Weymouth, Incorporated.
- Holston, James B., Baltimore, Md., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Tank-vent device. 1,784,067; Dec. 9.
- Holt, Carl E., Kansas City, Mo. Lubrication guide. 1,781,512; Nov. 11.
- Holt, Claude G., St. Johns Station, Mo. Pump. 1,762,625; June 10.
- Holt, Daniel S., New Brunswick, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Block-printing machine and operating the same. 1,753,265; Apr. 8.
- Holt, Edwin M., West Durham, N. C., assignor to Whitin Machine Works, Whitinsville, Mass. Automatic feed control for cotton-opening machinery. 1,783,333; Dec. 2.
- Holt, Fred L., assignor of one-half to J. T. Benbow, Winston-Salem, N. C. Changeable sign. 1,750,714; Mar. 18.
- Holt, Grover J., and W. Longevin, Crosby, assignors, by mesne assignments, to The Reclamation Company, St. Paul, Minn. Track-shifting apparatus. 1,784,963; Dec. 16.
- Holt, Harold E. S., London, England. Flare-supporting bracket for aircraft. 1,776,810; Sept. 30.
- Holt, Harris B., assignor to Rosedale Foundry & Machine Company, Pittsburgh, Pa. Glass-rolling machine. 1,767,131; June 24.
- Holt, John W., Cleveland Heights, Ohio. Making electrically-welded tubing. 1,783,571; Dec. 2.
- Holt, Samuel E., Rhinebeck, N. Y. Ventilated hood for engines. 1,742,598; Jan. 7.
- Holt, Samuel E., Rhinebeck, N. Y. Louver shutter. 1,771,679; July 29.
- Holt, Theodore P., Whittier, Calif. Treating ores. 1,775,767; Sept. 16.
- Holt, Thomas W., and J. F. Levan, assignors to Excel Curtain Company, Elkhart, Ind. Curtain-roller construction. 1,775,364; Sept. 9.
- Holte, Halvor, Skien, Norway. Pasteurizing apparatus. 1,772,998; Aug. 12.
- Holte, Harold O. (See Nettleton, L. L., and Holte.)
- Holther, Oscar, Attleboro, Mass. Piano lamp. 1,764,308; June 17.
- Holtje, Howard J., Woodcliff, N. J. Floor brush. 1,779,316; Oct. 21.
- Holton, Edward C., Olmsted Falls, assignor to The Sherwin-Williams, Cleveland, Ohio. Parasitocidal composition. 1,742,472; Jan. 7.
- Holton, Edward C., Olmsted Falls, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Pigment. 1,778,975; Oct. 21.
- Holton, Frank, & Co. (See Arthur, Paul, assignor.)
- Holton, Frank, & Company. (See Charlton, Harry J., assignor.)
- Holton, Frank, & Co. (See Grant, William H., assignor.)
- Holton, James B., Baltimore, Md. Fill box. 1,774,439; Aug. 26.
- Holtz, Frederick C., assignor to Sangamo Electric Co., Springfield, Ill. Motor. 1,747,870; Feb. 18.
- Holtz, Frederick C., assignor to Sangamo Electric Company, Springfield, Ill. Removable terminal. 1,773,143; Aug. 19.
- Holtzen, John F. (See Watts, Leo E., assignor.)
- Holtzer-Cabot Electric Company. (See Durbin, Vernon, assignor.)
- Holtzer-Cabot Electric Company, The. (See Kennedy, Carlton L., assignor.)
- Holtzman, John. (See Geffon, A., and Holtzman.)
- Holtzman, John, New York, N. Y. Razor-blade sharpener. 1,742,707; Jan. 7.
- Holtzman, John, New York, N. Y. Lighter. 1,754,319; Apr. 15.
- Holtzman, John, New York, N. Y. Razor-blade ejector. 1,760,060; May 27.
- Holtzman, John, New York, N. Y. Door lock. 1,787,272; Dec. 30.
- Holtzman, John, assignor of one-half to O. Munk, New York, N. Y. Pocket lighter. 1,743,349; Jan. 14.
- Holtzman, John, New York, N. Y., assignor to Francis Keil & Son, Inc. Lock. 1,785,381; Dec. 16.
- Holub, John J., Cicero, assignor to The Excelsior Steel Furnace Company, Chicago, Ill. Boot for hot air stacks. 1,771,176; July 22.
- Holum, Martin, Hazel Run, Minn. Seed-corn stringer. 1,784,690; Dec. 9.
- Holveck, Alpha O., Jr., Victoria, Tex. Oil-gauge wiper. 1,759,788; May 20.
- Holweck, Fernand, Paris, France, assignor to Les Etablissements Edouard Belin. Reflecting element for oscillographs. 1,777,308; Oct. 7.
- Holweck, Fernand, assignor to Etablissements Edouard Belin, Paris, France. Electrical tuning fork. 1,781,513; Nov. 11.
- Holyoke Heater Company. (See Sinclair, Peter S., assignor.)
- Holz, Robert, Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Battery-box mold. 1,742,473; Jan. 7.
- Holzach, Karl. (See Kämmerer, H., and Holzach.)
- Holzappel, Albert C., New York, N. Y. Protecting the interiors of oil-cracking retorts. 1,761,343; June 3.
- Holzappel, Richard R. (See Hamilton, G. F., Holzappel, Girty, and Lawton.)
- Holzel, Johannes, Pasing, near Munich, Germany, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Insulator guard. 1,766,636; June 24.
- Holzhauser, Philo J., assignor to General Motors Corporation, Detroit, Mich. Radiator screen. 1,768,479; June 24.
- Holzhauser, William. (See Stay, T. D., and Holzhauser.)
- Holzhausen, Richard J., Westport, Conn. Washing-machine impeller. 1,754,626; Apr. 15.
- Holzhauser, Frederick W. (See Sinton, R., Holzhauser, and Lutz.)
- Holzman, Herman, Newark, N. J. Musical-instruction device. 1,780,918; Nov. 11.
- Holzman, Madeline B., London, England. Lady's vanity case or like container. 1,776,185; Sept. 16.
- Holzman, Paul A. (See Miller, Henry R., assignor.)
- Holzmann, Anna, Vienna, Austria. House boat adapted to be taken to pieces. 1,779,880; Oct. 28.
- Holzmark, William P., University City, Mo. Collapsible tube. 1,776,387; Sept. 23.
- Holzverkohlungs-Industrie Aktiengesellschaft. (See Enssle, Georg, assignor.)
- Holzverkohlungs-Industrie Aktiengesellschaft. (See Fuchs, Otto, assignor.)
- Holzverkohlungs-Industrie Aktiengesellschaft. (See Mik. Franz, assignor.)
- Holzverkohlungs-Industrie Aktien-Gesellschaft. (See Querfurth, Wilhelm, assignor.)
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Multistage combustion turbine. 1,757,045; May 6.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Explosion turbine. 1,757,574; May 6.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Controlling device. 1,763,154; June 10.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Multistage gas turbine. 1,775,527; Sept. 9.
- Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Gas turbine cooled by steam. 1,776,832; Sept. 30.
- Holzwarth Gas Turbine Co. (See Hofmann, Friedrich, assignor.)
- Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)
- Holzwarth Gas Turbine Co. (See Sedlmeir, Michael, assignor.)
- Holzworth, Ernest H., Buffalo, N. Y. Tuyère for blast furnaces. 1,759,114; May 20.
- Holzworth, George, Halifax, Mass. Flowerpot stand or similar article. Des. 82,607; Nov. 25.
- Homan, John G., Steubenville, Ohio. Therapeutic lamp. 1,746,893; Feb. 11.
- Homan, John G., Steubenville, Ohio. Truss. 1,771,256; July 22.
- Homan, Albert, Pittsburgh, Pa. Multiple propeller drive for airplanes. 1,761,077; June 3.
- Hombert, Felix, Barmen, Germany, assignor to American Nuplax Corporation, New York, N. Y. Manufacture from blood of a mass capable of being colored. 1,786,488; Dec. 30.
- Home Heating Corporation, The. (See Muller, George J., assignor.)
- Homel, Charles L., Detroit, Mich. System for the generation and distribution of electric energy. 1,783,935; Dec. 2.
- Homestead Valve Manufacturing Company. (See Powell, Clarence E., assignor.)
- Homiller, Thomas C., Washington, D. C. Glass-cleaning device. 1,783,506; Dec. 2.
- Hommel, Leon, Oakland, Calif. Tool and work support. 1,777,616; Oct. 7.
- Hommel, Oscar, Pittsburgh, Pa. Making enamel ware. 1,779,273; Oct. 21.
- Homolka, Benno, deceased; Rosenthal, executor, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Desensitizing silver bromide emulsions and plates or films covered with such emulsions. 1,760,756; May 27.
- Homolle, Robert G. M., assignor to Societe Bonruisien Beau & Cie., Paris, France. Cylinder lock. 1,784,444; Dec. 9.
- Homoly, Louis, Jr. (See Homoly, Louis, assignor.)
- Homoly, Louis, assignor of one-half to L. Homoly, Jr., Cleveland, Ohio. Grab hook. 1,777,119; Sept. 30.
- Hompe, Robert W., Cleveland, Ohio. Candy molding. 1,785,904; Dec. 23.
- Homstead, Frank L., and W. R. Homstead, Pittsfield, Me. Belt replacer. 1,755,876; Apr. 22.
- Homstead, Wilson R. (See Homstead, Frank L., and W. R.)
- Honda, Kotaro, Sendai, Japan. Machine for testing and quantitatively indicating the cutting power and durability of blades and cutlery. 1,780,822; Nov. 4.
- Honey, Alfred E., Ilford, assignor to J. Stone & Company Limited, Deptford, England. Power-transmission gearing for use on railway and other vehicles. 1,785,197; Dec. 16.

- Honeycutt, Paul, Mooresville, N. C. Safety attachment for cottonseed linters. 1,781,061; Nov. 11.
- Honeywell, Stanley, Atwater, Ohio. Vine lifter. 1,754,168; Apr. 8.
- Honig, Frank, Oak Park, assignor to Cyclo Corporation, Chicago, Ill. Wire-drawing apparatus. 1,772,948; Aug. 12.
- Honigbaum, Harry H., New York, N. Y. Hanger. Des. 82,261; Oct. 14.
- Honigbaum, Harry H., New York, N. Y. Cigarette. 1,772,809; Aug. 12.
- Honigbaum, Harry H., New York, N. Y. Match. 1,780,920; Nov. 11.
- Honigmann, Hans, assignor to The Chandler & Price Company, Cleveland, Ohio. Bed and cylinder printing press. 1,774,272; Aug. 26.
- Honigmann, Ludwig, Bad Tolz, and F. Bartling, Munich, Germany. Revolving-ring-hearth oven. 1,771,756; July 29.
- Honigmann, Ludwig, Bad Tolz, and F. Bartling, Munich, Germany. Apparatus for the recovery of dry distillation material. 1,774,554; Sept. 2.
- Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Magnetic float valve. 1,745,762; Feb. 4.
- Honn, Peter, Grand Rapids, Mich. Fluid-pressure pump. 1,767,072; June 24.
- Hönningsstad, Amund, A. Arneson, Forus, near Stavanger, and A. Norheim, Hinna, near Stavanger, Norway. Manufacturing drain pipes from veneer. 1,786,245; Dec. 23.
- Honohan, William D., assignor to Swift & Company, Chicago, Ill. Hanging bacon bellies in smoke. 1,745,013; Jan. 28.
- Honold, Ernst, Fechenheim, near Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuff and making same. 1,744,163; Jan. 21.
- Honsinger, Ornan A., Portland, Oreg. Davenport bed. 1,743,216; Jan. 14.
- Honstead, Severn G., Nampa, Idaho. Display counter. 1,755,782; Apr. 22.
- Honywill, Albert W., jr. (See Snow, N. L. and Honywill.)
- Hood, Arthur H., Highland Park, Mich. Method and apparatus for making pastry. 1,770,337; July 8.
- Hood, Arthur S., Kenmore, N. Y. Dispensing device. 1,776,258; Sept. 23.
- Hood, Clifford C., Monmouth, Ill. Thigh guard. 1,744,384; Jan. 21.
- Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Refractory product. 1,760,360; May 27.
- Hood, Harry L., East Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Grinding machine. 1,744,766; Jan. 28.
- Hood, Harry M., Chicago, Ill., assignor to Featheredge Rubber Company, Inc. Head construction for automobile windows. 1,763,522; June 10.
- Hood, Harry M., Chicago, Ill., assignor to Featheredge Rubber Company, Inc. Sealing means for cowl ventilators for automobiles. 1,765,333; June 17.
- Hood, Ralph O., Danvers, Mass., assignor, by mesne assignments, to The Boynton Company, Inc., New York, N. Y. Acoustic signaling device. Re17,560; Jan. 7.
- Hood Rubber Company. (See Ashton, William S., assignor.)
- Hood Rubber Company. (See Davidson, J. H., and Wade, assignors.)
- Hood Rubber Company. (See Ellis, Howard G., assignor.)
- Hood Rubber Company. (See Flink, John H., assignor.)
- Hood Rubber Company, The. (See Fowler, Fred D., assignor.)
- Hood Rubber Company. (See Glidden, Alfred A., assignor.)
- Hood Rubber Company. (See Glidden, A. A., and Bean, assignors.)
- Hood Rubber Company. (See Glidden, A. A., and Knowland, assignors.)
- Hood Rubber Company. (See Glidden, A. A., Knowland, and Dow, assignors.)
- Hood Rubber Company. (See Glidden, A. A., Knowland, and Duffy, assignors.)
- Hood Rubber Company, Inc. (See Glidden, A. A., and Lukens, assignors.)
- Hood Rubber Company. (See MacDonald, Frank J., assignor.)
- Hood Rubber Company. (See Perrault, J. E., and Davis, assignors.)
- Hood Rubber Company. (See Perrault, J. E., and Ellis, assignors.)
- Hood Rubber Company. (See Sullivan, Edmond R., assignor.)
- Hood Rubber Company. (See Wydom, Herbert H., assignor.)
- Hood, Thomas H., assignor to Extension Garment Hanger Company, Inc., Dallas, Tex. Garment hanger. 1,748,068; Feb. 25.
- Hood, William. (See Rutherford, R. F., and Hood.)
- Hoodless, William H., Philadelphia, Pa. Raw-sugar conveyor. 1,764,100; June 17.
- Hooley, William C., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Manufacture of lithopone. 1,759,115; May 20.
- Hooley, William C., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Manufacture of lithopone. 1,759,116; May 20.
- Hooft, Franciscus V. (See Gelissen, H. C. J. H., and Hooft.)
- Hoogerhyde, James, Belmont, Mich., assignor to N. J. Billstrom, Rockford, Ill. Four-way blocking clamp. 1,772,514; Aug. 12.
- Hoogeweg, Willem J., Hengelo, and E. Van Oven, Aerdenhout, Netherlands. Foot-cleaning mat. 1,743,139; Jan. 14.
- Hook, Charles H., Pittsburgh, and N. L. Mercur, McKeesport, Pa. Pressure-regulating and shut-off valve. 1,764,790; June 17.
- Hook, Ira T., New Haven, assignor to The American Brass Company, Waterbury, Conn. Cable and connector therefor. 1,783,016; Nov. 25.
- Hooke, Fred G., and J. J. Flynn, assignors of one-fourth to G. W. Pearson, Lowell, Mass. Shoe. 1,751,036; Mar. 18.
- Hooker, Duncan C., Farmington, Conn. Device for cleaning guns. 1,745,575; Feb. 4.
- Hooker, George R., and C. J. Miller, Buffalo, N. Y. Vehicle signal. 1,748,930; Feb. 25.
- Hookless Fastener Company. (See Aronson, Peter A., assignor.)
- Hookless Fastener Company. (See Bennett, John P., assignor.)
- Hookless Fastener Company. (See Nicholson, Robert H., assignor.)
- Hookless Fastener Company. (See Norton, Samuel H., assignor.)
- Hookless Fastener Company. (See Sundback, Gideon, assignor.)
- Hooks, John S., Yazoo City, Miss. Toy animal. Des. 81,646; July 22.
- Hooley, John W., Larchmont, N. Y. Fuse structure for electric circuits. 1,748,480; Feb. 25.
- Hooper, Charles L., and R. F. Sutherland, Rochester, assignors to Vacuum Oil Company, New York, N. Y. Inclosure for articles being sprayed. 1,742,393; Jan. 7.
- Hooper, F. X., Company. (See Glose, Frederick P., assignor.)
- Hooper, James P., Ruxton, assignor to Wm. E. Hooper & Sons Company, Baltimore, Md. Portable pool. 1,742,313; Jan. 7.
- Hooper, James P., Ruxton, assignor to Wm. E. Hooper & Sons Company, Baltimore, Md. Golf bag. 1,747,715; Feb. 18.
- Hooper, James P., Ruxton, assignor to Wm. E. Hooper & Sons Company, Baltimore, Md. Wading pool. 1,765,074; June 17.
- Hooper, James P., Ruxton, assignor to Wm. E. Hooper & Sons Company, Baltimore, Md. Swimming pool. 1,786,613; Dec. 30.
- Hooper, Martin T., Alhambra, Calif. Ventilator. 1,742,541; Jan. 7.
- Hooper, Rebecca E., Half Moon Bay, Calif. Memory pad. 1,760,408; May 27.
- Hooper, Ted F., assignor to The Miller Rubber Company, Measuring stereoscope. 1,756,062; Apr. 29.
- Hooper, Wm. E. & Sons Company. (See Hooper, James P., assignor.)
- Hoopes, Penrose R., Hartford, Conn., assignor to Essex Rubber Company, Trenton, N. J. Trimming machine. 1,749,882; Mar. 11.
- Hoopes, Penrose R., Hartford, Conn., assignor to Essex Rubber Company, Trenton, N. J. Trimming machine. 1,762,626; June 10.
- Hoopes, Penrose R., Hartford, assignor to William L. Gilbert Clock Company, Winsted, Conn. Machine for making clock pinions. 1,777,849; Oct. 7.
- Hoosier Lamp and Stamping Corporation. (See Moll, Walter, assignor.)
- Hooton, Gordon B., Grand Rapids, Mich. Hydroplane. Akron, Ohio. Ornamented rubber article and making liquid medicine. 1,742,809; Jan. 7.
- Hooven, C. E. (See Evans, Kelley D., assignor.)
- Hooven, Owens, Rentschler Company, The. (See Theile, George I., assignor.)
- Hooven, William R. (See Herbert, David W., assignor.)
- Hoover, Alan C., Chicago, Ill. Machine for forming articles. 1,750,471; Mar. 11.
- Hoover, Brooks B., Aurora, Ill. Garage door. 1,750,042; Mar. 11.
- Hoover, Charles P., Columbus, Ohio, and F. A. Downes, New York, N. Y. Agitation and settling process. 1,752,795; Apr. 1.
- Hoover Company, The. (See Becker, Bernard C., assignor.)
- Hoover Company, The. (See Broeske, Paul R., assignor.)
- Hoover Company, The. (See Conley, Brooks L., assignor.)
- Hoover Company, The. (See Davidson, Walter C., assignor.)
- Hoover Company, The. (See Hoover, Howard E., assignor.)
- Hoover Company, The. (See Kitto, William H., assignor.)
- Hoover Company, The. (See Page-Wood, Gerald, assignor.)
- Hoover Company, The. (See Ryan, Andrew H., assignor.)
- Hoover Company, The. (See Smellie, Donald G., assignor.)
- Hoover Company, The. (See White, Harry B., assignor.)
- Hoover, George W., Elwyn, Pa. Napkin ring. Des. 81,793; Aug. 12.
- Hoover, Howard E., Glencoe, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. same. 1,761,443; June 3.
- Hoover, Howard E., Glencoe, Ill., assignor to The Hoover Company. Dust-bag ring. 1,783,240; Dec. 2.

- Hoover, Ros P., Rochester, Ind. Dispensing container for Suction cleaner. Re17,615; Mar. 4. 1,756,826; Apr. 29.
- Hope, Charles S., assignor, by mesne assignments, to K. and J. D. Keating and B. E. Brunell, Springfield, Mass., and M. K. Quirk, Middletown, Conn. Flush valve. 1,750,317; Mar. 11.
- Hope, Ernest, and A. E. Richards, Leicester, England. assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon blanks of sheet material. 1,751,549; Mar. 25.
- Hopewell, Frank B., as trustee. (See Peabody, J. C., and Brown, assignors.)
- Hopewell, Lester H., Brooklyn, N. Y. Color lamp. 1,766,637; June 24.
- Hopf, Wilhelm, assignor of Fried. Krupp Gaarden, Germania-werft Aktiengesellschaft, Kiel, Germany. Waste-heat boiler plant for industrial furnaces. 1,743,606; Jan. 14.
- Hopff, Heinrich. (See Meyer, K. H., Hopff, and Krause.)
- Hopff, Heinrich. (See Schuster, K., and Hopff.)
- Hopkin, Alfred, jr., Philadelphia, Pa. Method of and apparatus for producing illumination effects. 1,772,606; Aug. 12.
- Hopkins, Alfred, assignor to Hopkins-Tull Machinery Company, Philadelphia, Pa. Filter. 1,754,320; Apr. 15.
- Hopkins, Arthur C., assignor to National-Standard Company, Niles, Mich. Tire-spreading machine. 1,759,052; May 20.
- Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Lifting jack. 1,762,627; June 10.
- Hopkins, Arthur T., Detroit, Mich., assignor of one-half to R. C. Hupp, Birmingham, Mich. Hose coupling. 1,786,489; Dec. 30.
- Hopkins, Ben F., and J. V. O. Palm, Cleveland Heights, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making metal sheets. 1,756,196; Apr. 29.
- Hopkins, Charles L., River Forest, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Indicating device for radioreceivers. 1,754,792; Apr. 15.
- Hopkins, Clyde E., Seminole, Okla. Combination casing head. 1,768,908; July 1.
- Hopkins Corporation. (See High, John M., jr., assignor.)
- Hopkins Corporation. (See Hopkins, Marcus C., assignor.)
- Hopkins, Elton R., San Francisco, Calif. Generator-circuit protector. 1,762,297; June 10.
- Hopkins, Frank H., Arlington, Mass., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. Spring adjustment for valves, etc. 1,743,350; Jan. 14.
- Hopkins, Frank H., Worcester, Mass., assignor to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. Relief ring for safety valves. 1,772,004; Aug. 5.
- Hopkins, George F., deceased, Jackson, Mich.; W. K. Sagen-dorph, executor. Lathe and lathe chuck. 1,780,390; Nov. 4.
- Hopkins, George F., Jackson, Mich., W. K. Sagen-dorph, executor of said George F. Hopkins. Pneumatic engine cylinder and control for lathe chucks and the like. 1,785,349; Dec. 16.
- Hopkins, George W., Cleveland, Ohio. Film drier. 1,756,197; Apr. 29.
- Hopkins, George W., Cleveland, Ohio. Arc-lamp hanger. 1,760,134; May 27.
- Hopkins, George W., Cleveland, Ohio. Film developing apparatus. 1,772,834; Aug. 12.
- Hopkins, George W., Cleveland, Ohio. Motor heater. 1,783,289; Dec. 2.
- Hopkins, Harry S., White Plains, N. Y. Doll. Des. 81,191; May 20.
- Hopkins, Hiram W., Whiting, Iowa. Corn harvesting and husking attachment for tractors. 1,776,627; Sept. 23.
- Hopkins, Horace H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated product. 1,771,538; July 29.
- Hopkins, James E., assignor, by mesne assignments, to The Nascent Amalgam Corporation, Denver, Colo. Apparatus and method for recovering precious metals. Re17,757; July 29.
- Hopkins, John C., Lakewood, and A. Osolin, Cleveland, Ohio. Mud gun. 1,774,373; Aug. 26.
- Hopkins, John C., Lakewood, and A. Osolin, Cleveland, Ohio. Operating blast furnaces. 1,780,485; Nov. 4.
- Hopkins, Loren L., West New York, N. J. Sanding device for vehicles. 1,755,823; Apr. 22.
- Hopkins, Loren L., West New York, N. J. Sanding device for vehicles. 1,755,824; Apr. 22.
- Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, New York, N. Y. Electrical pick-up. 1,760,647; May 27.
- Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J. Loud-speaker. 1,763,048; June 10.
- Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J. Loud-speaker. 1,763,049; June 10.
- Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J. Loud-speaker. 1,763,050; June 10.
- Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J. Loud-speaker. 1,763,051; June 10.
- Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J. Loud-speaker. 1,763,052; June 10.
- Hopkins, Marcus C., Washington, D. C., assignor to Titanafram Corporation, Jersey City, N. J. Loud-speaker. 1,763,053; June 10.
- Hopkins, Marcus C., Washington, D. C., assignor to Titanafram Corporation, Jersey City, N. J. Loud-speaker. 1,763,054; June 10.
- Hopkins, Marcus C., Washington, D. C., assignor to Titanafram Corporation, Jersey City, N. J. Loud-speaker. 1,763,055; June 10.
- Hopkins, Marcus C., Washington, D. C., assignor, by mesne assignments, to Hopkins Corporation, Jersey City, N. J. Electrical movement for loud-speakers. 1,782,094; Nov. 18.
- Hopkins, Marion B., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparing hydrocarbon products. 1,767,363; June 24.
- Hopkins, Nathan F. (See Davenport, H. A., and Hopkins.)
- Hopkins, Nevil M., New York, N. Y., assignor to National Carbon Company, Inc. Alternating-current converter. 1,747,937; Feb. 18.
- Hopkins, Nevil M., New York, assignor of twenty-five per cent to Tobacco Perfecting Corporation, and 12 per cent to R. G. Le Brosi, Port Washington, N. Y. Improving cigarettes, cigars and pipe cartridges. 1,749,582; Mar. 4.
- Hopkins, Ralph Z., assignor to Hudson Motor Car Company, Detroit, Mich. Protecting sheet metal. 1,769,577; July 1.
- Hopkins, Ralph Z., assignor to Hudson Motor Car Company, Detroit, Mich. Sectional tank. 1,769,578; July 1.
- Hopkins, Ralph Z., A. E. Fellers, and G. T. Davey, assignors to Hudson Motor Car Company, Detroit, Mich. Brake-testing machine. 1,769,432; July 1.
- Hopkins, Richard M., Rutherford, N. J., assignor to American District Telegraph Company, New York, N. Y. Retard alarm device. 1,763,967; June 17.
- Hopkins, Richard M., Rutherford, N. J., and F. P. McIntosh, New York, N. Y., assignors to American District Telegraph Company, Jersey City, N. J. Bank-vault alarm system. 1,772,422; Aug. 5.
- Hopkins, Robert C., Alliance, Ohio. Recuperative oil burner. 1,716,628; June 3.
- Hopkins, Robert C., Alliance, Ohio. Blower for atomizing oil. 1,742,474; Jan. 7.
- Hopkins, Robert C., Alliance, Ohio. Rotary cutting, mixing, and attrition mill. 1,764,020; June 17.
- Hopkins, Robert C., Alliance, Ohio. Oil mill. 1,775,721; Sept. 16.
- Hopkins, Robert C., Alliance, Ohio. Oil strainer. 1,781,874; Nov. 18.
- Hopkins, Robert C., Alliance, Ohio. Pickling tongs. 1,781,875; Nov. 18.
- Hopkins, Robert K., New York, N. Y., assignor to The M. W. Kellogg Company. Forming flanged articles. 1,744,549; Jan. 21.
- Hopkins, Robert K., New York, N. Y., assignor to The M. W. Kellogg Company. Method of and apparatus for forming heads on tubular articles. 1,751,085; Mar. 18.
- Hopkins, Roy S., Rochester, N. Y. Photographic-print drier. 1,763,629; June 10.
- Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printer vignetting apparatus. 1,742,811; Jan. 7.
- Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printer. 1,763,630; June 10.
- Hopkins Spray Equipment Company. (See Tittmore, F. A., and Renwick, assignors.)
- Hopkins-Tull Machinery Company. (See Hopkins, Alfred, assignor.)
- Hopkins, William B., Chicago, Ill. Gem holder. 1,780,015; Oct. 28.
- Hopkinson, Alfred, Hyde, England. Braiding machine. 1,748,553; Feb. 25.
- Hopkinson Austin, Audenshaw, England. Belt conveyer. 1,773,621; Aug. 19.
- Hopkinson, Ernest, New York, N. Y. Manufacturing of tire castings. Re17,618; Mar. 4.
- Hopkinson, Ernest, New York, N. Y. Rubberizing fibrous material and article produced thereby. 1,784,523; Dec. 9.
- Hopkinson, Ernest, assignor to General Rubber Company, New York, N. Y. Drying apparatus. 1,750,753; Mar. 18.
- Hopkinson, Ernest, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Shatterproof transparent materials. 1,777,309; Oct. 7.
- Hopkinson, Ernest, assignor to New York Belting & Packing Company, New York, N. Y. Press. 1,777,310; Oct. 7.
- Hopkinson, Ernest, New York, N. Y., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Paper product and its manufacture. 1,779,772; Oct. 28.
- Hopkinson, Ernest, New York, and W. A. Gibbons, Little Neck, assignors to General Rubber Company, New York, N. Y. Manufacture of rubber articles. 1,759,618; May 20.
- Hopkinson, Ernest, New York, and M. C. Teague, Elmhurst, L. I., N. Y., assignors to American Rubber Company, East Cambridge, Mass. Treating rubber latex, composition and article formed thereby. 1,765,015; June 17.
- Hopkinson, Frank, London, England. Separating and grading apparatus. 1,776,225; Sept. 16.

- Hopp, George, New York, N. Y. Canopy. 1,759,117; May 20.
- Hopp, Hermann and L., New York, N. Y. Price-ticket holder. 1,768,715; July 1.
- Hopp, Leo. (See Hopp, Hermann and L.)
- Hoppe, Emil C., Elizabeth, N. J. Amusement-park building or analogous structure. Des. 82,427; Nov. 4.
- Hoppe, George, Baltimore, Md. Vending machine. 1,753,417; Apr. 8.
- Hoppe, Robert A., assignor to Bastian Bros. Company, Rochester, N. Y. Pinwheel. 1,769,784; July 1.
- Hoppenrath, Albert A., Minneapolis, Minn. Refrigerating show case. 1,764,723; June 17.
- Hopper, Charles, and W. L. Arnold, Manhattan, Kans.; said Hopper assignor to said Arnold. Anchorage means. 1,750,841; Mar. 18.
- Hopper, Frank. (See Roesch, F. P., Hopper, and Hunt.)
- Hopper, Mack K., Mirando City, Tex. Aeroplane wing. 1,745,677; Feb. 4.
- Hoppes, Charles E., assignor to Everwear Manufacturing Company, Springfield, Ohio. Hanger. 1,764,077; June 17.
- Hoppes, Charles E., assignor to The Everwear Manufacturing Company, Springfield, Ohio. Coupling device. 1,770,271; July 8.
- Hopwood, Carrie S., Hinsdale, Mont. Workholder. 1,782,615; Nov. 25.
- Hopwood, John M. (See Hall, Ralph E., assignor.)
- Hopwood, John M. (See Mumford, Albert R., assignor.)
- Hopwood, John M. (See Peebles, Thomas A., assignor.)
- Hora, Max, Dusseldorf-Oberkassel, assignor to the firm Eisenwerk und Maschinenbau Aktiengesellschaft, Dusseldorf-Ileerdt, Germany. Inking mechanism of platen printing presses. 1,743,920; Jan. 14.
- Hora, Max, Dusseldorf-Oberkassel, assignor to the firm Eisenwerk und Maschinenbau Aktiengesellschaft, Dusseldorf-Ileerdt, Germany. Platen printing press. 1,745,930; Feb. 4.
- Horan, John H., Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine. 1,778,066; Oct. 14.
- Horath, Grover C., Lake City, Calif. Knee and shin protector. 1,777,088; Sept. 30.
- Hordes, Harry, Jersey City, N. J. Shoe lengthener and stretcher. 1,745,423; Feb. 4.
- Horoth, Martin R., Brooklyn, N. Y. Aeroplane. 1,776,316; Sept. 23.
- Horgan, James C. (See Bultman, G. H., and Horgan.)
- Horger, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Car truck and making same. 1,742,860; Jan. 7.
- Horger, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Axle lubrication. 1,745,216; Jan. 28.
- Horii, Shinjiro, Tokyo, Japan. Stencil sheet. 1,753,204; Apr. 8.
- Horii, Shinjiro, Tokyo, Japan. Stencil sheet. 1,753,205; Apr. 8.
- Horii, Shinjiro, Tokyo, Japan. Stencil sheet. 1,770,697; July 15.
- Horii, Shinjiro, Tokyo, Japan. Duplicator. 1,777,920; Oct. 7.
- Horii, Shinjiro, Tokyo, Japan. Backing for stencil sheets. 1,780,391; Nov. 4.
- Horii, Shinjiro, Tokyo, Japan. Stencil sheet. 1,785,260; Dec. 16.
- Horikoshi, Tokujiro, Los Angeles, Calif. Automatically-releasable spring-actuated fishhook. 1,745,834; Feb. 4.
- Horine, Merrill C., assignor to International Motor Company, New York, N. Y. Variable nose cam. 1,757,046; May 6.
- Horine, Merrill C., Grasmere, assignor to International Motor Company, New York, N. Y. Double three-point suspension for motor-vehicle units. 1,778,028; Oct. 14.
- Horinstein, Philip. (See Stewart, J. E., and Horinstein.)
- Horix, Carl, Chicago, Ill. Belt buckle. 1,775,722; Sept. 16.
- Horix, Carl, Chicago, Ill. Belt buckle. 1,775,723; Sept. 16.
- Horix, Carl, Chicago, Ill. Securing device. 1,777,884; Oct. 7.
- Horlacher, Albert F., Fredonia, N. Y. Selector mechanism. 1,783,122; Nov. 25.
- Horle, Lawrence C. F., Newark, N. J. Radio amplification. 1,773,185; Aug. 19.
- Hormel, August, Hudson Heights, N. J. Clothes-washing device. 1,759,353; May 20.
- Hornes, William T., Catonsville, Md. Combination cornice and pilaster. Des. 81,794; Aug. 12.
- Hornes, William T., Baltimore, Md. Display rack. 1,752,595; Apr. 1.
- Hornes, William T., Baltimore, Md. Shoe shelving. 1,761,667; June 3.
- Hornes, William T., Catonsville, Md. Caster. 1,772,314; Aug. 5.
- Horn and Hardart Baking Company. (See Cramer, Albert M., assignor.)
- Horn, Harry L., New York, N. Y., assignor to Bagasse Development Inc. Preparing cellulose pulp. 1,779,971; Oct. 28.
- Horn, Harry L., New York, N. Y., assignor to Bagasse Development Inc. Preparing cellulose pulp. 1,780,750; Nov. 4.
- Horn, John P., Lancaster, Pa. Insecticide container. 1,760,598; May 27.
- Horn, John P., Lancaster, Pa. Insecticide container. 1,771,960; July 29.
- Horn, Robert W. F., Allentown, and J. H. Nissley, Mannheim, Pa. Rotary kiln. 1,779,626; Oct. 28.
- Horn, Thomas W., Cleveland, Ohio, assignor to A. B. Dick Company, Chicago, Ill. Interleaving device for printing machines. 1,763,308; June 10.
- Hornaday, Waller C., University City, assignor to Jas. H. Forbes Tea & Coffee Company, St. Louis, Mo. Display rack. 1,760,135; May 27.
- Hornberger, Earl J., Germantown, Pa., assignor to J. G. Oliver, Cleveland, Ohio, doing business as Bardons & Oliver. Cut-off machine. 1,772,148; Aug. 5.
- Hornbostel, Lloyd, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible gear wheel. 1,743,217; Jan. 14.
- Hornburg, Charles A., Edinburg, Tex. Holder. 1,745,260; Jan. 28.
- Hornby, Robert, and E. H. Wratten, London, England. Electric prepayment supply system. 1,743,777; Jan. 14.
- Horne, Burchard E., Andover, Mass. Roofing. 1,772,487; Aug. 12.
- Horne, Burchard E., Andover, Mass. Roof covering. 1,772,488; Aug. 12.
- Horne, Eber B., East Cleveland, Ohio. Rug-hanging apparatus. 1,756,642; Apr. 29.
- Horne, Newton H., Kansas City, Mo. Hydraulic pulsator. 1,764,838; June 17.
- Horne, William O., Minneapolis, Minn. Liquid-fuel burner. 1,752,000; Mar. 25.
- Horner, Edward A., Chambersburg, Pa. Filing device. 1,766,996; June 24.
- Horner, John W. (See Lindgren, Peter J., assignor.)
- Horner, Oliver E., San Diego, Calif. Convertible automobile body. 1,745,217; Jan. 28.
- Horner, William E., Ranger, Tex., assignor to L. J. Mildren, Ponca City, Okla. Belt tightener. 1,756,557; Apr. 29.
- Horni, Paul P. (See Nein, W. C. and Varley, assignors.)
- Horni, Paul P., Newark, N. J. Traffic signal. Rel7,642; Apr. 15.
- Horni, Paul P., Newark, N. J. Traffic signal. Des. 81,694; July 29.
- Horni, Paul P., Newark, N. J. Parachute safety suspension for aeroplanes. 1,760,061; May 27.
- Horni, Paul P., Newark, N. J. Traffic signal. 1,770,272; July 8.
- Horni, Paul P., Newark, N. J. Self-starting synchronous motor. 1,780,648; Nov. 4.
- Horning, Harry L., assignor to Waukesha Motor Co., Waukesha, Wis. Oiling system. 1,764,078; June 17.
- Horning, Harry L., assignor to Waukesha Motor Company, Waukesha, Wis. Filtering means. 1,777,311; Oct. 7.
- Horning, Harry L., assignor to Waukesha Motor Company, Waukesha, Wis. Internal-combustion engine. 1,783,714; Dec. 2.
- Horning, Harry L., assignor to Waukesha Motor Company, Waukesha, Wis. Internal-combustion engine. 1,783,715; Dec. 2.
- Horning, Joseph F., Cincinnati, Ohio. Binding feeder. 1,748,770; Feb. 25.
- Horning, Louis P., jr., Elizabeth, assignor to Victor Talking Machine Company, Camden, N. J. Combined phonograph and radio apparatus. 1,768,065; June 24.
- Hornsey, John W., Oakes-in-Norton, by Sheffield, England, assignor to Granular Iron Company. Apparatus for reducing oxides of metals. 1,751,736; Mar. 25.
- Hornsey, John W., Summit, N. J., assignor to Granular Iron Company. Conveyor. 1,782,423; Nov. 25.
- Hornsey, John W., New York, N. Y., assignor to Granular Iron Company. Reduction of metals from ores. 1,786,999; Dec. 30.
- Hornyák, Dezső, Cleveland, Ohio. Fountain paintbrush. 1,771,924; July 29.
- Horoehowsky, Anthony, assignor of one-fourth to C. Lefchick, Elizabeth, N. J. Electric signal and switch therefor. 1,753,568; Apr. 8.
- Horowitz Bros. & Margareten. (See Horowitz, Joseph, assignor.)
- Horowitz, Henry. (See Horowitz, Nathan, assignor.)
- Horowitz, Joseph, assignor to Horowitz Bros. & Margareten, New York, N. Y. Mechanism for cutting and facilitating the removal of material from machines. 1,747,075; Feb. 11.
- Horowitz, Nathan, assignor of one-half to H. Horowitz, Bronx, N. Y. Collapsible umbrella. 1,748,347; Feb. 25.
- Horowitz, Samuel, et al. (See Rubens, Ben, assignor.)
- Horowitz, Samuel, New York, N. Y. Container. 1,743,351; Jan. 14.
- Horowitz, Samuel, New York, N. Y. Slipper. 1,770,698; July 15.
- Horowitz, Samuel, assignor to Royal Robes Co., Inc., New York, N. Y. Bath-robe package and the like. 1,764,262; June 17.
- Horra, Wenzel, assignor to the Firm: Sarotti Aktiengesellschaft, Berlin-Tempelhof, Germany. Making a chocolate-covered confection having a liquid mass therein. 1,752,001; Mar. 25.
- Horrocks Desk Company. (See Kretchmar, Max A., assignor.)
- Horscraft, Herbert T., Valley Stream, and W. L. King, St. Albans, N. Y. Clothesline and drier. 1,780,708; Nov. 4.
- Horsfall, Percy, Pingelly, Western Australia, Australia. Bag loader. 1,743,778; Jan. 14.

- Horsfall, Ronald S., L. G. Lawrie, and J. A. R. Henderson, assignors to British Dyestuffs Corporation Limited, Manchester, England. Dyeing acetate silk. 1,759,010; May 20.
- Horsley, Archibald. (See Brownlie, J., and Horsley.)
- Horsley, Caperton, and E. R. Goldfield, assignors to The Engeln Electric Company, Cleveland, Ohio. Overload relay and circuit breaker. 1,775,858; Sept. 16.
- Horsley, Charles E., East St. Louis, and T. A. Sailor, Centralia, Ill. Resilient seat. 1,774,555; Sept. 2.
- Horsley, George F., Highfield Eaglescliff, assignor to Imperial Chemical Industries, Limited, London, England. Production of esters. 1,770,779; July 15.
- Horsley, Robert L., assignor of one-half to I. D. Block, Memphis, Tenn. Mop. 1,759,403; May 20.
- Horspool, Francis L., Salt Lake City, Utah. Vehicle air brake. 1,784,233; Dec. 9.
- Horsrud, Ole, Chicago, and E. J. Nielsen, Rockford, Ill. Camp stove. 1,775,165; Sept. 9.
- Horst, Karl. (See Mayer, F., Billig, Horst, and Schirmacher.)
- Horste, Joseph E., assignor, to Detroit Harvester Company, Detroit, Mich. Driving attachment for tractors. 1,786,067; Dec. 23.
- Horstmann, Frederick W., Maplewood, N. J. Fur-ornamenting machine. 1,765,375; June 24.
- Horstmann, John C. F., Brooklyn, N. Y. Pool-ball-racking frame. 1,743,891; Jan. 14.
- Hort, Hermann. (See Becker, J., Just, and Hort.)
- Hort, Hermann. (See Just, H., and Hort.)
- Horton, Allen A., Plymouth, assignor to Burroughs Adding Machine Company, Detroit, Mich. Transfer mechanism for calculating machines. 1,767,674; June 24.
- Horton, Allen A., Plymouth, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich. Transfer mechanism for calculating machines. 1,781,179; Nov. 11.
- Horton, Allen A., Plymouth, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich. Controlling mechanism for power-driven calculating machines. 1,781,689; Nov. 18.
- Horton, Allen A., Plymouth, and C. Marti, Livonia Township, Wayne County, assignors to Burroughs Adding Machine Company, Detroit, Mich. Key lock for calculating machines. 1,767,673; June 24.
- Horton, Charles, Ridgefield, N. J., assignor, by mesne assignments, to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Straight-line frequency condenser. 1,748,481; Feb. 25.
- Horton, Charles, Ridgefield, N. J., assignor, by mesne assignments to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Radio reception device. 1,748,482; Feb. 25.
- Horton, E., & Son, Company, The. (See Regan Joseph C., assignor.)
- Horton, Erwin C. (See Oishei, J. R., Hueber, Paulus, and Horton.)
- Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Indicating system. 1,749,429; Mar. 4.
- Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Condensation preventer for windows. 1,774,374; Aug. 26.
- Horton, George T., Chicago, Ill. Container. 1,778,944; Oct. 21.
- Horton, H. B., et al. (See Olson, E. D., and Horton, assignors.)
- Horton, Joseph W., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 1,775,241; Sept. 9.
- Horton, Joseph W., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 1,780,921; Nov. 11.
- Horton Manufacturing Company, The. (See Broadwell, H. S., and Thorpe, assignors.)
- Horton Manufacturing Company, The. (See Lagerblade, Herbert C., assignor.)
- Horton Manufacturing Company, The. (See Thorpe, S. T., and Peterson, assignors.)
- Horton, Rupert M. (See Waltrip, H. D., and Horton.)
- Horton Sweeps Co. (See Peterson, Frederick W., assignor.)
- Horton, Thomas A., Kingston, N. Y. Cigar-bunching machine. 1,776,856; Sept. 30.
- Horton, William A. (See Olson, E. D., and Horton.)
- Hortner, Richard M., assignor to Mahr Manufacturing Company, Minneapolis, Minn. Rotary forging furnace. 1,752,433; Apr. 1.
- Horvath, Anthony G., assignor to The Dayton Pump and Mfg. Co., Dayton, Ohio. Electric switch. 1,765,016; June 17.
- Horvath, Julius, Chicago, Ill. Display stand for merchandise and the like. 1,776,071; Sept. 16.
- Horvath, Julius, assignor to Arvey Corporation, Chicago, Ill. Display stand for merchandise. 1,779,627; Oct. 28.
- Horween, Isidore, Chicago, Ill. Paddle wheel for tanning apparatus. 1,767,760; June 24.
- Horwitt, Paul H., Hartsdale, N. Y. Automobile. Des. 82,503; Nov. 11.
- Horwitt, Paul H., Hartsdale, N. Y. Automobile. Des. 82,504; Nov. 11.
- Horwitz, Barnett L., Los Angeles, Calif. Cigar tip and making same. 1,772,371; Aug. 5.
- Horwitz, William, Brooklyn, N. Y. Incubator. 1,744,472; Jan. 21.
- Hosbein, Louis H., Winnetka, and O. Welcome, Chicago, assignors to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,766,175; June 24.
- Hösel, Paul, Charlottenburg, Germany, assignor to General Electric Company. Balanced valve. 1,752,908; Apr. 1.
- Hosenfeld, Martin, Berlin-Siemensstadt, and G. Hänsel, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrolytically refining copper or copper alloys. 1,757,047; May 6.
- Hosford, Leonard V., Portland, Oreg. Internal-combustion engine. 1,744,310; Jan. 21.
- Hosking, Richard T., Wilmette, Ill. Vacuum cleaner. 1,742,810; Jan. 7.
- Hosking, Richard T., Wilmette, assignor, by mesne assignments, to Shakeproof Lock Washer Company, Incorporated, Chicago, Ill. Material strip for use in the manufacture of lock washers. 1,754,466; Apr. 15.
- Hosking, Richard T., Wilmette, assignor, by mesne assignments, to Shakesproof Lock Washer Company, Incorporated, Chicago, Ill. Bolt lock. 1,762,394; June 10.
- Hosking, Richard T., Wilmette, assignor, by mesne assignments, to Shakeproof Lock Washer Company, Incorporated, Chicago, Ill. Self-locking screw. 1,764,168; June 17.
- Hosking, Richard T., Wilmette, assignor, by mesne assignments to Shakeproof Lock Washer Company, Incorporated, Chicago, Ill. Bolt lock. 1,767,287; June 24.
- Hosking, Richard T., Wilmette, assignor, by mesne assignments, to Shakeproof Lock Washer Company, Incorporated, Chicago, Ill. Material strip for spring-tooth lock washers. 1,784,142; Dec. 9.
- Hosking, Robert, Berkeley, Va. Signal device. 1,753,117; Apr. 1.
- Hoskins, Everett L., Philadelphia, Pa., assignor, by mesne assignments, to Cook Laboratories, Inc. Hypodermic syringe. 1,747,243; Feb. 18.
- Hoskins, Herbert V., Waterville, Wash. Rotary disk weeder. 1,755,004; Apr. 15.
- Hoskins, William, Chicago, Ill. Plastic mass. 1,747,774; Feb. 18.
- Hoskins, William, jr., assignor to Ditto Incorporated, Chicago, Ill. Hectograph blanket. 1,750,754; Mar. 18.
- Hoskins, William, Chicago, Ill. Plastic composition. 1,764,839; June 17.
- Hoskyns, William J., assignor to Briggs Manufacturing Company, Detroit, Mich. Vehicle body construction. 1,751,737; Mar. 25.
- Hoskyns, William J., assignor to Briggs Manufacturing Company, Detroit, Mich. Trimming-material assembly. 1,758,666; May 13.
- Hosmer, Chester C., Huntington Beach, Calif. Blow-out preventer for oil wells. 1,777,564; Oct. 7.
- Hosner, Avery L., Telluride, Colo. Reclosing mechanism for circuit breakers. 1,762,298; June 10.
- Hoss, Ray C., McClelland, Iowa. Internal-combustion engine. 1,758,320; May 13.
- Hoster, William O., Philadelphia, Pa. Loud-speaker. 1,746,894; Feb. 11.
- Hostutler, Verne, Hollis, Okla. Side bumper for automobiles. 1,780,974; Nov. 11.
- Hotchkiss, Paul M., Chicago, Ill. Color flood lighting. 1,755,298; Apr. 22.
- Hotchkiss, Paul M., Chicago, Ill. Lighting fixture. 1,777,407; Oct. 7.
- Hotchkiss, Clarence D., Georgetown, Calif. Fire alarm. 1,746,426; Feb. 11.
- Hotchkiss, Clifford. (See Phelan, L. A. M., and Hotchkiss.)
- Hotchkiss, Clifford, Milwaukee, Wis., assignor, by mesne assignments, to Time-O-Stat Controls Company. Sign flasher. 1,783,474; Dec. 2.
- Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)
- Hotchkiss Steel Products Company. (See Harrold, Edward T., assignor.)
- Hotchkiss, Walter A., Torrington, Conn. Mortising machine. 1,772,253; Aug. 5.
- Hoth, Charles, Postville, Iowa. Hay mower. 1,760,698; May 27.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Compound liner. 1,746,356; Feb. 11.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Towel-dispensing cabinet. 1,754,467; Apr. 15.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Compartment can. 1,757,192; May 6.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Sifter can. 1,770,405; July 15.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Compound lining machine. 1,774,010; Aug. 26.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Scoring machine. 1,774,011; Aug. 26.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Gauging mechanism. 1,774,012; Aug. 26.
- Hottopp, Alfred H., Hollis, N. Y., assignor to American Telephone and Telegraph Company. Current-measuring device. 1,757,193; May 6.

- Hotstream Heater Company. (See Morrow, Clarence H., assignor.)
- Hott, Ion V. K., assignor to The Joyce-Cridland Company, Dayton, Ohio. Lifting jack. 1,757,249; May 6.
- Hott, Ion V. K., assignor to The Joyce-Cridland Company, Dayton, Ohio. Detachable gear unit. 1,777,437; Oct. 7.
- Hott, Ion V. K., assignor to The Joyce Cridland Company, Dayton, Ohio. Lifting device. 1,786,754; Dec. 30.
- Hottel, Louis W., Detroit, Mich. Press construction. 1,748,176; Feb. 25.
- Hottinger, Adolph F., assignor to Northwestern Terra Cotta Company, Chicago, Ill. Terra cotta article. 1,786,753; Dec. 30.
- Hotze, Charles, St. Louis, Mo. Golf bag. 1,746,857; Feb. 11.
- Houck, John D., Chicago, Ill. Coffee-making device. 1,780,751; Nov. 4.
- Houdaille-Hershey Corporation. (See Smith, Frederick A., assignor.)
- Houdaille-Hershey Corporation. (See Weydell, Axel, assignor.)
- Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
- Houde Engineering Corporation. (See Robbins, Walter C., assignor.)
- Houde Engineering Corporation. (See Shultz, Albert B., assignor.)
- Hough, Arthur, Summit, J. R. Dufford, Paterson, and W. C. Leonhard, Passaic, N. J. Manufacture of nitrocellulose. 1,785,030; Dec. 16.
- Hough, Arthur, Summit, N. J., and J. G. Harrison, New York, N. Y.; said Hough assignor to said Harrison. Method and product for preventing efflorescence in ceramics. 1,785,309; Dec. 16.
- Hough, Clinton W., Boonville, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Electrical phonograph attachment for wired radio receivers. 1,745,621; Feb. 4.
- Hough, Clinton W., Boonville, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Transmission system. 1,757,121; May 6.
- Hough, Clinton W., Boonville, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Television apparatus. 1,760,198; May 27.
- Hough, Clinton W., Boonville, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Piezo-electric phonograph pick-up. 1,761,831; June 3.
- Hough, Clinton W., Boonville, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. System for generation of polyphase current. 1,763,309; June 10.
- Hough, Edward B., Providence, R. I. Cigarette case. 1,759,576; May 20.
- Hough, Edward B., Providence R. I. Cigarette case. 1,759,577; May 20.
- Hough, Eugene L. (See MacLeod, D. R., King, and Hough.)
- Hough, Eugene L., St. Louis, Mo., assignor to General Electric Company. Control system. 1,780,676; Nov. 4.
- Hough, Eugene L., Richmond Heights, Mo., assignor to General Electric Company. Automatic control equipment. 1,786,393; Dec. 23.
- Hough, James W. (See Cara, D. J., and Hough.)
- Houghtaling Levi D., Reading, Pa. Door for silos. 1,750,600; Mar. 11.
- Houghton, Alexis C. (See Miller, J. G., and Houghton.)
- Houghton, Carl R. (See Wilkin, J. T., and Houghton.)
- Houghton, E. F., & Company. (See Bohne, William A., assignor.)
- Houghton, E. F., & Company. (See Carpenter, Charles E., assignor.)
- Houghton, E. F., and Company. (See Pressell, George W., assignor.)
- Houghton, E. F., & Company. (See Quimby, Charles W., assignor.)
- Houghton, Edward, Niagara Falls, N. Y. Feeding mechanism for sheet material. 1,742,445; Jan. 7.
- Houghton, John M., et al. (See Houghton, Lewis T., assignor.)
- Houghton, John M., et al., executors. (See Houghton, Lewis T.)
- Houghton, Lewis T., deceased; J. M. Houghton and O. M. Lambert, executors, assignors to J. M. Houghton and O. M. Lambert, Worcester, Mass. Thread guide for spooling and winding machines. 1,749,940; Mar. 11.
- Houghton, Lewis T., deceased, Worcester, Mass.; J. M. Houghton and O. M. Lambert, executors, assignors to J. M. Houghton and O. M. Lambert, Worcester, Mass. Attachment for spooler guide rods. 1,758,604; May 13.
- Houghton, Lewis T., deceased, Worcester, Mass.; J. M. Houghton and O. M. Lambert, executors, assignors to J. M. Houghton and O. M. Lambert. Tension device. 1,762,476; June 10.
- Houghton, Vernon T., Bronxville, N. Y. Lamp socket. 1,776,506; Sept. 23.
- Hougland, Albert C., assignor to Crane Company of Minnesota, St. Paul, Minn. Valve. 1,765,272; June 17.
- Hougland, Albert C., assignor to Crane Company of Minnesota, St. Paul, Minn. Driving mechanism for butter working rolls. 1,766,176; June 24.
- Hougland, Albert C., and A. B. Carlson, assignors to Crane Company of Minnesota, St. Paul, Minn. Churn drive. 1,774,327; Aug. 26.
- Houlihan, Lawrence B., Pittsburgh, Pa. Fitting for water-heating apparatus. 1,743,547; Jan. 14.
- Houlis, Louis D., Dallas, Tex. Oil burner. 1,749,248; Mar. 4.
- Houlis, Louis D., Dallas, Tex. Baking oven. 1,774,651; Sept. 2.
- Houlis, Louis D., Cincinnati, Ohio. Zoned baking oven. 1,777,885; Oct. 7.
- Houques-Fourcade, Charles A. Bordeaux, France. Manufacture of sea caoutchouc. 1,772,218; Aug. 5.
- Hourd, Wilbert A., Detroit, Mich. Collapsible top. 1,754,235; Apr. 15.
- House, Bryan E., Flint, assignor to General Motors Corporation, Detroit, Mich. Brake. 1,756,827; Apr. 29.
- House, Charles H., Arkansas City, Kans. Folding bed or couch. 1,785,865; Dec. 23.
- House, Frank R., Baldwin Harbor, Long Island, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Searchlight. 1,761,668; June 3.
- House, Frank R., Baldwin Harbor, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Searchlight-ventilating means. 1,767,526; June 24.
- House, Henry A., jr., Buffalo, N. Y. Lifting jack. 1,746,475; Feb. 11.
- House, Henry A., jr., Buffalo, N. Y. Wheel. 1,746,476; Feb. 11.
- Houseman, Harold E., Edge Moor, assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitting plated fabric. 1,745,619; Feb. 4.
- Houseman, Harold E., Edge Moor, assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Plated knitted fabric. 1,745,620; Feb. 4.
- Houseman, Harold E., Edge Moor, assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitting plated fabric. 1,750,007; Mar. 11.
- Houseman, Harold E., Edge Moor, assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Process and machine for knitting plated fabric. 1,750,008; Mar. 11.
- Houseman, Harold E., assignor to Standard-Trump Brothers Machine Company, Wilmington, Del. Yarn-changing mechanism for circular-knitting machines. 1,769,579; July 1.
- Houseman, Harold E., assignor to Standard-Trump Brothers Machine Company, Wilmington, Del. Circular-knitting machine. 1,769,580; July 1.
- Houseman, Harold E., Edge Moor, assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Mechanism for knitting plated fabric. 1,779,237; Oct. 21.
- Housh, Minnie, Galesburg, Ill. Knitting-needle holder. 1,772,666; Aug. 12.
- Housholder, Albert P., and H. M. Kelly, St. Louis, Mo. Positively-locked coupler cross key. 1,753,292; Apr. 8.
- Houston, Archibald F., Saco, Me. Heddle-handling device and process. 1,747,775; Feb. 18.
- Houston Company, The. (See Lomar, Louis L., assignor.)
- Houston, Henry B., Dallas, Tex. Screen for flotation processes. 1,759,983; May 27.
- Houston, John D., Prineville, Oreg. Thermal plant. 1,781,062; Nov. 11.
- Houston, Salem W., Pittsburgh, Pa. Door holder. 1,762,095; June 3.
- Houston Specialty Corporation. (See Kessler, Forrest A., assignor.)
- Houts, Guy J., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for supporting and distributing strands. 1,764,630; June 17.
- Houts, Guy J., Oak Park, E. P. Tournier, Chicago, and J. F. Wulff, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for supporting strands. 1,764,629; June 17.
- Houts, John R., McLean, Va. Hinge-seat gauge. 1,787,313; Dec. 30.
- Houtz, Alfred B., Elizabeth City, N. C. Apparatus for applying hoops and/or liners to barrels. 1,758,837; May 13.
- Hovenden, Alice H., et al, executors. (See Kent, W. G., and Hovenden.)
- Hovenden, Edward W. (See Kent, W. G., and Hovenden.)
- Hovenden, Jack R., et al., executors. (See Kent, W. G., and Hovenden.)
- Hover, Charles F., Conrad, Mont. Guard finger and ledger plate. 1,753,293; Apr. 8.
- Hoving, Erik A. (See Hammarström, N. L., and Hoving.)
- Hovland, Henry, Huntington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Connector-switch circuits. 1,747,169; Feb. 18.
- How, Harlan W., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Evaporator. 1,782,143; Nov. 18.
- Howaldtswerke Aktiengesellschaft. (See Degn, Paul, assignor.)
- Howard, Albert L., Hollis, Alaska. Flotation machine. 1,752,434; Apr. 1.
- Howard, Albert P., Norwalk, Ohio. Measuring device. 1,752,527; Apr. 1.
- Howard, Alfred C., East Moline, Ill., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Platform scale. 1,759,902; May 27.
- Howard & Bullough Limited. (See Bancroft, James, assignor.)
- Howard & Bullough Limited. (See Blackburn, J. H., and Bancroft, assignors.)
- Howard, Charles C., Louisville, Ky. Sheet-cutting mechanism for bookmaking machines. 1,773,457; Aug. 19.

- Howard, Charles C., Louisville, Ky. Assembling sheets and applying adhesive thereto. 1,785,261; Dec. 16.
- Howard, Charles E., Ypsilanti, Mich. Advertising device. 1,759,789; May 20.
- Howard, Charles L., Chicago, Ill. Car-coupler-operating device. 1,750,308; Mar. 11.
- Howard, Charles O., assignor of one-third to T. K. Wisinger and one-third to M. A. Pixley, Columbus, Ohio. Detachable wheel hub. 1,756,643; Apr. 29.
- Howard, Charles O., Columbus, and F. M. Blair, Newark, Ohio. Tractor. 1,761,669; June 3.
- Howard Development Company. (See Howard, Merton W., assignor.)
- Howard, Dudley B., Washington, D. C. Marksmanship-training device for firearms. 1,786,614; Dec. 30.
- Howard, Emory G., Dudley, assignor to Koehler Manufacturing Company, Marlboro, Mass. Athletic shoe and cleat therefor. 1,782,569; Nov. 25.
- Howard, Forrest K., East Falls Church, Va. Combination mount for machine guns. 1,786,615; Dec. 30.
- Howard, Frank A. (See King, G., and Howard.)
- Howard, Frank A. (See Loomis, N. E., Tomlinson, and Howard.)
- Howard, Frank A., Elizabeth, N. J., assignor to Ethyl Gasoline Corporation. Motor-vehicle transmission. 1,743,076; Jan. 7.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparing motor fuels. 1,758,898; May 13.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Control of pyrolytic conversion. 1,760,136; May 27.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Dwelling heater installation. 1,767,364; June 24.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Simultaneously producing light hydrocarbon motor-fuel oil and carbureted water gas. 1,767,455; June 24.
- Howard, Frank C., Chicago, Ill. Heater for vehicles. 1,782,652; Nov. 25.
- Howard, Frank H. (See Hoffmaster, H. W., and Howard.)
- Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for handling glassware. Re17,669; May 20.
- Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glassware. 1,756,244; Apr. 29.
- Howard, George E., Butler, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Delivering and shaping molten glass. 1,763,968; June 17.
- Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Drawing glass tubing. 1,766,638; June 24.
- Howard, Henry, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Production of sodium thiosulphate. 1,760,137; May 27.
- Howard, Henry, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Manufacture of sulphuric acid of high purity. 1,764,309; June 17.
- Howard, Henry, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Preparing colloidal sulphur. 1,765,307; June 17.
- Howard, Henry, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Making barium-sulphide solutions. 1,776,029; Sept. 16.
- Howard, Henry, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Storage device for volatile liquids. 1,776,907; Sept. 30.
- Howard, Henry, Middletown, R. I., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Storage device for volatile liquids. 1,776,908; Sept. 30.
- Howard Hosiery Company. (See Tait, John, W., and F., Jr., assignors.)
- Howard, James E., Jeffersonville, Ind. Steering means for water craft. 1,745,370; Feb. 4.
- Howard, James J., Stamford, Conn. Piston ring. 1,752,848; Apr. 1.
- Howard, John, Montreal, Quebec, Canada, assignor of three-eighths to S. Greenberg, and one-eighth to W. Goodman and M. S. Wolfson, New York, N. Y. Making tire casings. 1,759,848; May 27.
- Howard, Lemuel F. (See Grondahl, L. O., and Howard.)
- Howard, Lemuel F., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,770,699; July 15.
- Howard, Lemuel F., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Car retarder. 1,778,528; Oct. 14.
- Howard, Merton W., assignor to Howard Development Company, Lynn, Mass. Sewing machine. 1,779,238; Oct. 21.
- Howard, Monroe S. (See Burtis, W. H., and Howard.)
- Howard, Monroe S., Hastings, Minn. Tuning device for radio apparatus. 1,765,587; June 24.
- Howard, Oliver O. (See Cage, John M., assignor.)
- Howard Radio Co. (See Hansen, Leland H., assignor.)
- Howard, Reginald L., Roxbury, assignor to How-Mac, Inc., Dorchester, Mass. Window-pulley shield. 1,786,428; Dec. 30.
- Howard, Russell P., Oakland, Calif. Fire hose. 1,747,584; Feb. 18.
- Howard, Russell S., La Grange, G. H. Brodie, Riverside, and T. O. Westhafer, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Protective device. 1,765,531; June 24.
- Howarth, Harry A. S., Philadelphia, assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Bearing. 1,760,904; June 3.
- Howarth, Harry A. S., assignor to Kingsbury Machine Works, Inc., Frankford, Philadelphia, Pa. Bearing. 1,767,238; June 24.
- Howarth, John F., New York, N. Y. Cooling engines and purifying lubricants. 1,767,675; June 24.
- Howcott, Harley A. W., New Orleans, La. Washing machine. 1,769,221; July 1.
- Howden, William H., assignor of one-half to Burdons Limited, Glasgow, Scotland. Carburetor and carburetor burner for oil gas. 1,777,141; Sept. 30.
- Howe, Charles S., assignor to Los Angeles Testing Laboratory, Los Angeles, Calif. Device for making concrete test samples. 1,762,440; June 10.
- Howe, Charles W., Fairhaven, Mass. Sealing paste or compound. 1,774,013; Aug. 26.
- Howe, Edward B., Olympia Fields, Ill. Type-page frame. 1,783,042; Nov. 25.
- Howe, Frank D., Cuyahoga Falls, Ohio. Axle construction. 1,780,922; Nov. 11.
- Howe, Harrison M., Bradford, Pa. Pinch bar. 1,781,329; Nov. 11.
- Howe, James F., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Cable. 1,760,409; May 27.
- Howe, James F., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Wire rope and cable. 1,779,471; Oct. 28.
- Howe, James M., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Automobile bumper. 1,752,381; Apr. 1.
- Howe, James M., Cleveland Heights, assignors to The Murray Products Company, Cleveland, Ohio. Vehicle body. 1,757,194; May 6.
- Howe, James M., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Automobile bumper. 1,767,212; June 24.
- Howe, Oliver J., Brockton, Mass., assignor to D. C. Rebhun, Cincinnati, Ohio. Stocking tree. 1,770,925; July 22.
- Howe, Oliver J., Brockton, Mass., assignor to D. C. Rebhun, Cincinnati, Ohio. Shoe-tree. 1,774,200; Aug. 26.
- Howe, Oliver J., Brockton, Mass., assignor to D. C. Rebhun, Cincinnati, Ohio. Last. 1,776,730; Sept. 23.
- Howe, Ralph S. (See Coates, J. H., Howe, and Costello.)
- Howe, Samuel P. (See Prior, John A., assignor.)
- Howe, Samuel P., Pine Valley, Clementon, N. J. Clutch-facing material and its production. 1,757,089; May 6.
- Howe Scale Company, The. (See Starr, Morton H., assignor.)
- Howe, Thomas. (See Peteler, Adolph, assignor.)
- Howe, Wm. A., Company, The. (See Reutener, Edgar W., assignor.)
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Brake shoe for car retarders. 1,748,916; Feb. 25.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Car-retarder system. 1,757,428; May 6.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,759,404; May 20.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,765,334; June 17.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Contact shoe. 1,766,639; June 24.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Brake shoe for car retarders. 1,769,693; July 1.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Switch machine for railroads. 1,785,698; Dec. 16.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Photographic-exposure-meter case. Des. 81,981; Sept. 9.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Electrical resistance device. 1,745,487; Feb. 4.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Picture-projecting machine. 1,752,951; Apr. 1.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Photographic-printing machine. 1,758,700; May 13.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Intermittent-feed mechanism. 1,767,846; June 24.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Motion-picture camera and the like. 1,767,847; June 24.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Motion picture camera and the like. 1,767,848; June 24.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Plural-lens-adjusting means. 1,767,849; June 24.

- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Lens structure. 1,767,850; June 24.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Strip-perforating machine. 1,782,570; Nov. 25.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Photographic device. 1,787,198; Dec. 30.
- Howell, Alexander. (See Bensinger, James M., assignor.)
- Howell, Benjamin R., et al. executors. (See Howell, Robert R.)
- Howell, Carleton E., New York, N. Y. Insulator. 1,764,724; June 17.
- Howell, Clayton J. (See Repenning, A. E., and Howell.)
- Howell, Edward N., Swannanoa, N. C. Key-filing device. 1,742,542; Jan. 7.
- Howell, Edward T. (See Gubelmann, I., Goodrich, and Howell.)
- Howell, George S., Seattle, Wash. Apparatus for reducing ores. 1,747,716; Feb. 18.
- Howell, Harold G., Hastings, and T. R. Howell, Napier, New Zealand. Wool cleaning and scouring apparatus. 1,776,186; Sept. 16.
- Howell, Hercules J., Washington, D. C. Spectacles. 1,748,771; Feb. 25.
- Howell, James S., et al. (See Bass, Donnie L., assignor.)
- Howell, James W., assignor to The White Motor Company, Cleveland, Ohio. Elevating mechanism. 1,751,480; Mar. 25.
- Howell, James W., assignor to The White Motor Company, Cleveland, Ohio. Tool for removing bearing races, bushings, and the like. 1,778,802; Oct. 21.
- Howell, James W., Cleveland, Ohio. Axial pulling tool. 1,783,649; Dec. 2.
- Howell, John F., Baldwin, assignor to Akeley Camera, Inc., New York, N. Y. Mount for moving-picture cameras. 1,764,407; June 17.
- Howell, John R., et al. executors. (See Howell, Robert R.)
- Howell, John T. (See Morgan, C. S., and Howell.)
- Howell, Kimbark J., Mishawaka, assignor to The Studebaker Corporation, South Bend, Ind. Spring seat and jack pad. 1,747,170; Feb. 18.
- Howell, Robert C., Pompton Lakes, N. J. Lock for incandescent lamps. 1,776,507; Sept. 23.
- Howell, Robert R., deceased, by B. R. Howell and M. Stokes, Minneapolis, Minn., and J. R. Howell, Madison, Wis., executors. Grain-spout holder. 1,749,583; Mar. 4.
- Howell, Thomas R. (See Howell, Harold G. and T. R.)
- Howell, W. H., Company, The. (See Ekvall, Edward E., assignor.)
- Howell, W. H., Company, The. (See Kandel, John S., assignor.)
- Howell, Warren, and G. Sherburne, Pasadena, Calif. Fluid-distributing apparatus. 1,753,240; Apr. 8.
- Howell, William R., Philadelphia, Pa. Toy animal. Des. 81,192; May 20.
- Howell, William R., Philadelphia, Pa. Figure of a dog. Des. 81,930; Sept. 2.
- Howell, William R., Philadelphia, Pa. Figure of a dog. Des. 81,931; Sept. 2.
- Howell, William R., Philadelphia, Pa. Figure of a dog. Des. 81,932; Sept. 2.
- Howells, Lloyd T., assignor to The Electric Smelting & Aluminum Company, Cleveland, Ohio. Hypochlorite bleaching composition. 1,779,274; Oct. 21.
- Howenstein, George H., Detroit, Mich. Sash guide. 1,743,454; Jan. 14.
- Hower, Charles C., Cleveland, Ohio. Power-transmission mechanism. 1,762,553; June 10.
- Hower, Harry C., Chicago, Ill. Automobile tire. Des. 81,647; July 22.
- Howerton, Emery C., and A. Berglin, assignors of one-third to G. E. Callahan, Denver, Colo. Flange lubricator. 1,751,635; Mar. 25.
- Howerton, Emery C., and A. Berglin, assignors of one-third to G. E. Callahan, Denver, Colo. Pump for flange lubricators. 1,751,636; Mar. 25.
- Howes, Irving C., assignor to Davis & Furber Machine Company, North Andover, Mass. Journal-bearing construction. 1,743,548; Jan. 14.
- Howes, John C., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,771,297; July 22.
- Howes, Raymond T. (See Gard, E. W., Aldridge, Multer, and Howes.)
- Howey, George R., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Spring suspension device. 1,758,701; May 13.
- Howie, John L., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Variable resistance. 1,753,188; Apr. 1.
- Howie, Kenneth, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa. Rib-knitting machine. 1,745,678; Feb. 4.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Full-fashioned-knitting machine. 1,754,680; Apr. 15.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Full-fashioned-knitting machine. 1,754,681; Apr. 15.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Full-fashioned-knitting machine. 1,754,682; Apr. 15.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 1,784,186; Dec. 9.
- Howitz, Gerald J., New York, N. Y., assignor of one-half to L. Seidell, Plainfield, N. J. Process and composition for the generation of chlorine. 1,767,676; June 24.
- Howland, Casca T. (See George, Elgy J., assignor.)
- Howland, Judson C., Galveston, Tex. Centrifugal grain distributor. 1,763,396; June 10.
- Howland, Thomas J., Long Branch, N. J. Bathing cap. 1,746,427; Feb. 11.
- Howland, Thomas J., Long Branch, N. J. Bathing cap. 1,746,477; Feb. 11.
- Howland, Thomas J., Long Branch, N. J. Bathing shoe. 1,746,478; Feb. 11.
- Howland, Thomas J., Long Branch, N. J. Bathing cap. 1,761,302; June 3.
- Howland, Thomas J., Long Branch, N. J. Bathing cap. 1,771,177; July 22.
- Howland, Thomas J., Long Branch, N. J. Bathing cap. 1,771,178; July 22.
- Howland, Thomas J., Long Branch, N. J. Apparel. 1,781,842; Nov. 18.
- Howle, Ernest O., assignor, by mesne assignments, to Mid-West Incinerator Corporation, Chicago, Ill. Incinerator. 1,769,879; July 1.
- Howle, Ernest O., assignor, by mesne assignments, to Mid-West Incinerator Corporation, Chicago, Ill. Incinerator. 1,769,880; July 1.
- Howle, Ernest O., assignor, by mesne assignments, to Mid-West Incinerator Corporation, Chicago, Ill. Grate-bar construction. 1,769,996; July 8.
- Howle, Ernest O., assignor, by mesne assignments, to Mid-West Incinerator Corporation, Chicago, Ill. Chimney construction. 1,772,718; Aug. 12.
- Howlett, Henry P., Stoke-on-Trent, England, assignor to Herman C. Kupper, Inc., New York, N. Y. Plate or similar article. Des. 81,695; July 29.
- Howlett, Henry P., Stoke-on-Trent, England, assignor to Herman C. Kupper, Inc., New York, N. Y. Plate or similar article. Des. 81,696; July 29.
- How-Mac, Inc. (See Howard, Reginald L., assignor.)
- Howse, Curtis L. (See Snow, N. L., and Howse.)
- Howse, Curtis L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,773,458; Aug. 19.
- Howse, Percival F., Cloncurry, Queensland, Australia. Headlamp of motor road vehicles. 1,770,136; July 8.
- Howse, Philip M., Nashville, Tenn. Bed-rail fastener. 1,751,037; Mar. 18.
- Howson, Charles T., assignor to W. M. Buchholtz and A. B. Chapman, Silver Creek, N. Y. Gas mixer. 1,749,914; Mar. 11.
- Howson, Henry A., Osbaldeston, near Blackburn, England. Resilient wheel. 1,750,614; Mar. 11.
- Hoxie, Charles A., Alplaus, N. Y., assignor to General Electric Company. Narrow light aperture. 1,743,779; Jan. 14.
- Hoxie, Charles A., Alplaus, N. Y., assignor to General Electric Company. Film-driving apparatus. 1,756,864; Apr. 29.
- Hoxie, Charles A., Alplaus, N. Y., assignor to General Electric Company. Film-making apparatus. 1,771,925; July 29.
- Hoxie, Charles A., Schenectady, N. Y., assignor to General Electric Company. Loud-speaker. 1,752,909; Apr. 1.
- Hoxie, Charles A., Schenectady, N. Y., assignor to General Electric Company. Making motion-picture films. 1,756,863; Apr. 29.
- Hoxie, Charles A., Schenectady, N. Y., assignor to General Electric Company. Film driving. 1,758,794; May 13.
- Hoxie, Charles A., Schenectady, N. Y., assignor to General Electric Company. Electrical transmission of pictures. 1,787,273; Dec. 30.
- Hoxie, George L., assignor to F. B. Fernhoff, trustee, Oakland, Calif. Load-carrying trolley. 1,772,005; Aug. 5.
- Hoy, Fred C. (See Flatley, J. H., and Hoy.)
- Hoy, John E. (See Dow, H. H., and Hoy.)
- Hoy, John E., assignor to The Dow Chemical Company, Midland, Mich. Casting magnesium and alloys thereof. 1,751,038; Mar. 18.
- Hoy, John E., assignor to The Dow Chemical Company, Midland, Mich. Composite casting. 1,764,725; June 17.
- Hoy, John E., assignor to The Dow Chemical Company, Midland, Mich. Casting mechanism. 1,768,254; June 24.
- Hoyal Body Corporation (1928) Limited, The. (See Griffith, George, assignor.)
- Hoye, Victor W., New Castle, Pa. Draft regulator for automobile radiators. 1,770,926; July 22.
- Hoyer, Alvin H., Ashland, Ohio. Removable spring clamp for securing an extra sole to footwear. 1,779,671; Oct. 28.
- Hoyer, Edward C., jr., Richmond, Va., and F. B. Le Fevre, Cincinnati, Ohio. Portable cabinet and foldable stand therefor. 1,770,156; July 8.
- Hoyler, Willard E., Buffalo, N. Y. Circuit-protecting system. 1,748,177; Feb. 25.
- Hoyns, George T., Brooklyn, N. Y. Clothes drying rack. 1,762,628; June 10.
- Hoyt-Beardsley Mfg. Co. (See Duff, Robert P., assignor.)
- Hoyt, Daniel, East Orange, assignor to National Lock Washer Company, Newark, N. J. Curtain fixture. 1,764,310; June 17.

- Hoyt, Elmore S., assignor to Red Wing Union Stoneware Company, Red Wing, Minn. Poultry feeder. 1,783,790; Dec. 2.
- Hoyt, Frederick A., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin-collection apparatus. 1,747,244; Feb. 18.
- Hoyt, Hazen L., jr. (See Washington, Bowden, assignor.)
- Hoyt, Hazen L., jr., and B. Washington, New York, N. Y. Stray-limiting device. 1,754,557; Apr. 15.
- Hoyt, Hazen L., Great Neck, N. Y. Barrel. 1,775,224; Sept. 9.
- Hoyt, Milton A., East Orange, N. J., assignor to Westinghouse Lamp Company. Machine and method for producing coil-forming dies. 1,758,002; May 13.
- Hoyt, Milton A., East Orange, N. J., assignor to Westinghouse Lamp Company. Locking device for lapping machines. 1,783,618; Dec. 2.
- Hoyt, Ray S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Wave antenna. 1,758,044; May 13.
- Hoyt, Robert C., Oakland, Calif. Water-beater gas burner. 1,756,748; Apr. 29.
- Hoyt, Robert C., Oakland, Calif. Automatic water-heater control valve. 1,786,948; Dec. 30.
- Hradesky, Andrew P., Uniontown, Pa. Train-stopping device. 1,771,926; July 29.
- Hrdina, Rudolf, Cervený Kostelec, Czechoslovakia. Loom for the manufacture of terry fabrics. 1,776,759; Sept. 23.
- Hren, Joseph, Kingston, N. Y. Fishing tackle. 1,750,842; Mar. 18.
- Hubbard, Adna M., Fort Worth, assignor to L. L. Henderson, trustee for Automatic Hi-Low Steam Pulsometer Company, Dallas, Tex. Intermittent steam-boiler feed. 1,774,598; Sept. 2.
- Hubbard, Beverly R., Higganum, Conn., assignor to Submarine Signal Corporation, Boston, Mass. Direction finding. 1,753,418; Apr. 8.
- Hubbard, Cecil R., Newark, and R. M. Waples, Palmyra, assignors to The Garlock Packing Company, Palmyra, N. Y. Packing. 1,771,890; July 29.
- Hubbard & Company. (See Kerschner, Richard M., assignor.)
- Hubbard and Company. (See Peirce, Charles L., jr., assignor.)
- Hubbard & Company. (See Pforsich, Harry M., assignor.)
- Hubbard & Company. (See Wharton, George, assignor.)
- Hubbard, Eber J. (See Hlavac, Anthony, assignor.)
- Hubbard, Eber J., Berwyn, Ill. Reel. 1,753,342; Apr. 8.
- Hubbard, Edward L., Piedmont, Calif. Liquid vending and measuring device. 1,747,633; Feb. 18.
- Hubbard, Francis A., Teaneck, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for comparing and adjusting the electrical length of paths for the transmission of electrical energy. 1,752,528; Apr. 1.
- Hubbard, Frank A., Islip, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of wave transmission. 1,784,874; Dec. 16.
- Hubbard, Guy, New York, N. Y., C. J. Fancher, Windsor, Vt., H. A. Sévigné, Winthrop, and R. A. Johnson, Longmeadow, Mass., assignors, by mesne assignments, to Woodward-Hubbard Company, Hill N. H. Glazier's point driver. 1,744,700; Jan. 21.
- Hubbard Heel Company. (See Hubbard, William, assignor.)
- Hubbard, Henry E., Chicago, assignor to Addressograph Company, Chicago, Ill. Distributive-printing addressing machine. 1,754,361; Apr. 15.
- Hubbard, Henry E., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,768,767; July 1.
- Hubbard, Henry E., Chicago, and C. C. McCain, Glen Ellyn, Ill., assignors to Addressograph Company, Wilmington, Del. Ink-ribbon feed and reversing mechanism. 1,744,965; Jan. 28.
- Hubbard, Henry E., Chicago, and H. L. Thompson, Elgin, assignors, by mesne assignments, to Addressograph Company, Chicago, Ill. Addressing machine. 1,745,994; Feb. 4.
- Hubbard, William, assignor to Hubbard Heel Company, Inc., Dolgeville, N. Y. Machine for shaping wooden blocks. 1,759,118; May 20.
- Hubbell, Alfred W., Bartlesville, Okla., assignor to Clark Bros. Co., Olean, N. Y. Two-cycle internal-combustion engine of the non-Diesel type operating on gas fuels. 1,747,171; Feb. 18.
- Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Locking lamp. 1,771,631; July 29.
- Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Attachment-plug cap. 1,771,632; July 29.
- Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Plug receptacle. 1,771,633; July 29.
- Hubbell, Harvey, Incorporated. (See Hubbell, Harvey, jr., assignor.)
- Hubbell, Harvey, jr., Bridgeport, Conn. Combination electric fan and fixture. 1,742,510; Jan. 10.
- Hubbell, Harvey, jr., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Electric fan. 1,746,531; Feb. 11.
- Hubbell, Harvey, jr., Bridgeport, Conn. Socket shell and shade holder. 1,771,634; July 29.
- Hubbell, Harvey, jr., Bridgeport, Conn. Attachment-plug cap. 1,771,635; July 29.
- Hubbell, Harvey, jr., Bridgeport, Conn. Cap and shell fastening. 1,771,636; July 29.
- Hubbell, Harvey, jr., Bridgeport, Conn. Cap and shell fastening. 1,774,014; Aug. 26.
- Hubbell, Harvey, jr., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Interlocking plug and cap. 1,771,729; July 29.
- Hubbell, John E. (See Hulme, Fred, assignor.)
- Hubbell, Leroy S., San Francisco, Calif. Tuning mechanism. 1,777,796; Oct. 7.
- Hubbell, Louie E., executrix. (See Hubbell, Harvey.)
- Hubbell, Theodore De W., Los Angeles, Calif. Checking mechanism. Re17,759; July 29.
- Hubbert, A. F., et al. (See Ragland, Jack R., assignor.)
- Hubbert, Leslie S., Edison, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Filter-pot press. 1,755,353; Apr. 22.
- Hubbert, Leslie S., Edison, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Hydraulic plastic press. 1,778,803; Oct. 21.
- Hubbs, Henry E., and L. D. Malone, assignors to The Shelby Spring Hinge Company, Shelby, Ohio. Door stop and holder. 1,763,238; June 10.
- Huber, Charles J., assignor of one-half to Flynn and Emrich Company, Baltimore, Md. Furnace. 1,751,861; Mar. 25.
- Huber, Frederick W., Riverside, Calif. Cementing oil wells. 1,758,156; May 13.
- Huber, Frederick W., Riverside, Calif. Waterproofing cement and composition therefor. 1,772,999; Aug. 12.
- Huber, Frederick W., Riverside, Calif. Making roads. 1,773,000; Aug. 12.
- Huber, Frederick W., Riverside, Calif. Accelerating and improving hydraulic cement. 1,773,001; Aug. 12.
- Huber, Frederick W., Riverside, Calif. Making Portland cement. 1,781,232; Nov. 11.
- Huber, Fritz, assignor to Heinrich Lanz Aktiengesellschaft, Mannheim, Germany. Motor vehicle. 1,743,549; Jan. 14.
- Huber, Fritz, Mannheim, assignor to Heinrich Lanz Aktiengesellschaft, Mannheim, Baden, Germany. Cooling system for horizontal motors. 1,747,172; Feb. 18.
- Huber, Herman J. H., Upper Darby, Pa., and H. Trencham, Ruislip, England, assignors to General Electric Company. High-potential switching station. 1,756,865; Apr. 29.
- Huber, John. (See Rosentreter, M., and Huber.)
- Huber, John, Los Angeles, Calif. Method and machine for fanging plates. 1,754,428; Apr. 15.
- Huber, John, Cincinnati, Ohio. Electrical-appliance connection. 1,761,344; June 3.
- Huber, Norman, assignor to Clyde Iron Works, Duluth, Minn. Clutch-actuating mechanism. 1,772,182; Aug. 5.
- Huber, Otto E., Reading, assignor to The Narrow Fabric Co., West Reading, Pa. Lace braid. Des. 81,334; June 10.
- Huber, Otto E., Reading, Pa., assignor to The Narrow Fabric Co., West Reading, Pa. Elastic narrow textile fabric. Des. 81,390; June 17.
- Huber, Otto E., Reading, Pa., assignor to The Narrow Fabric Co., West Reading, Pa. Elastic narrow textile fabric. Des. 81,391; June 17.
- Huber, Paul J., assignor of one-third to F. W. Peterson and one-third to W. H. Wallraff, Minneapolis, Minn. Auto case clamp. 1,750,669; Mar. 18.
- Huber, Peter, Zurich, Switzerland. Apparatus for dispensing liquids in measured quantity. 1,748,044; Feb. 18.
- Huber, W. I., Inc. (See Huber, Ward I., assignor.)
- Huber, Ward I., assignor to W. I. Huber, Inc., Cleveland, Ohio. Surgical instrument. 1,772,352; Aug. 5.
- Huber, William F., Coraopolis, Pa. Extension link fastener for swinging doors. 1,764,101; June 17.
- Hubert, Diane, Chicago, Ill. Lady's dress. Des. 81,537; July 8.
- Hubert, Emil, L. Lock, and O. Leuchs, Elberfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Preparation of bodies from acidyl celluloses. 1,766,822; June 24.
- Hubert, Emil, Alexander Röst-Grande, and E. Correns, Elberfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Replacing the water in a water-moist cellulose by an organic liquid and the product thereof. 1,752,596; Apr. 1.
- Hubinger, Roland A., Milwaukee, Wis. Washing machine. 1,764,631; June 17.
- Hubley Manufacturing Co., The. (See Brubaker, Jacob E., assignor.)
- Hu k, William F., Brooklyn, assignor to R. Hee & Co., Inc., New York, N. Y. Process and apparatus for matrix rolling. 1,743,140; Jan. 14.
- Huckel, John F., Kansas City, Mo. Display table. Des. 80,532; Feb. 18.
- Hückinghaus, Wilhelm, Remscheid, Germany. Handsaw. 1,750,472; Mar. 11.
- Huckins, Arthur S., Philadelphia, Pa. Printing machine. 1,775,677; Sept. 16.
- Huckler, Matt J., Hood River, Oreg. Fireplace screen. 1,776,833; Sept. 30.
- Hudd, Alfred E., Long Park, Chesham Bois, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Train-control system. Re17,678; May 27.

- Hudd, Alfred E., Wallasey, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Electrolytic cell. 1,758,255; May 13.
- Hudd, Alfred E., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Train-control system. 1,775,030; Sept. 2.
- Hudgin, Charles E., Chicago, assignor to S. E. Lingle, Evanston, Ill. Form clamp. 1,782,897; Nov. 25.
- Hudler, Earle S., Everett, Wash. Memorandum card. 1,764,102; June 17.
- Hudnut, Richard. (See Pennock, Charles A., assignor.)
- Hudson, Albert E. (See Richardson, J. H., and Hudson.)
- Hudson, Alexander M. (See Twetten, C. H., and Hudson.)
- Hudson, Alexander M., and C. H. Twetten, Round Lake, Minn. Circuit closer for right and left turn signals. 1,774,375; Aug. 26.
- Hudson, Andrew, New York, N. Y. Floating gasoline station. Des. 82,262; Oct. 14.
- Hudson, Clay M., Manila, P. I. Composite motor fuel. 1,775,461; Sept. 9.
- Hudson Coal Company, The. (See Cook, T. R., and Smith, assignors.)
- Hudson, Edwin B., Butler, Pa., assignor to The American Rolling Mill Company, Middletown, Ohio. Mounting of furnace rolls. 1,777,921; Oct. 7.
- Hudson Electrical Heating Corporation. (See Holinger, Emil F., assignor.)
- Hudson, George, Boongalie, Merbein South, Victoria, Australia. Tractor plow. 1,752,849; Apr. 1.
- Hudson, George A. (See Perry, E. W., and Hudson.)
- Hudson, Hill. (See Pangborn, Redmond H., assignor.)
- Hudson, James D., assignor, by mesne assignments, to Mechanical Products Corporation, Limited, Montreal, Quebec, Canada. Headlight. 1,775,960; Sept. 16.
- Hudson, Joseph H., Brooklyn, N. Y. Globe support and the like. 1,763,889; June 17.
- Hudson, Kenneth A., Hastings, assignor to Hudson Manufacturing Co., Minneapolis, Minn. Sprayer. 1,774,652; Sept. 2.
- Hudson Manufacturing Co. (See Hudson, Kenneth A., assignor.)
- Hudson Manufacturing Co. (See Kegler, Anton W., assignor.)
- Hudson Motor Car Company. (See Baits, Stuart G., assignor.)
- Hudson Motor Car Company. (See Behn, Guido G., assignor.)
- Hudson Motor Car Company. (See Fekete, Stephen I., assignor.)
- Hudson Motor Car Company. (See Fekete, S. I., and Baits, assignors.)
- Hudson Motor Car Company. (See Groehn, Otto J., assignor.)
- Hudson Motor Car Company. (See Groehn, O. J., and Lamb, assignors.)
- Hudson Motor Car Company. (See Hansen, R. E., and Groehn, assignors.)
- Hudson Motor Car Company. (See Hopkins, R. Z., Fellers, and Davey, assignors.)
- Hudson Motor Car Company. (See Hopkins, R. Z., assignor.)
- Hudson Motor Car Company. (See Lamb, Lawrence S., assignor.)
- Hudson Motor Car Company. (See McCurley, Charles, assignor.)
- Hudson Motor Car Company. (See Quinnan, Richard W., assignor.)
- Hudson Motor Car Company. (See Romine, Robert T., assignor.)
- Hudson Motor Car Company. (See Rumely, Vincent P., assignor.)
- Hudson Motor Car Company. (See Toncray, Millard H., assignor.)
- Hudson Motor Car Company. (See Toncray, M. H., and Greig, assignors.)
- Hudson Motor Car Company. (See Whisler, Ralph H., assignor.)
- Hudson, Robert F., Richmond, Va., assignor, by mesne assignments, to Automatic Guns, Inc., Washington, D. C. Machine gun. 1,749,137; Mar. 4.
- Hudson, Robert F., Richmond, Va., assignor, by mesne assignments, to Automatic Guns, Inc. Machine gun. 1,786,207; Dec. 23.
- Hudson-Sharp Machine Company. (See Campbell, Samuel J., assignor.)
- Hudson, Walter, assignor to The Burdick Corporation, Milton, Wis. Radiant-energy-generating unit and making the same. 1,767,586; June 24.
- Hindspith, Joseph G., assignor of one-half to N. S. Lewin, San Luis Obispo, Calif. Abrading device. 1,749,705; Mar. 4.
- Hueber, Henry. (See Oishei, J. R., and Hueber.)
- Hueber, Henry. (See Oishei, J. R., Hueber, Paulus, and Horton.)
- Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Automatic windshield cleaner. 1,777,142; Sept. 30.
- Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Piston-packing expander. 1,777,143; Sept. 30.
- Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,778,256; Oct. 14.
- Hueber, Henry, and J. R. Oishei, assignors to Trico Products Corporation, Buffalo, N. Y. Motor. 1,774,376; Aug. 26.
- Huebner-Bleistein Patents Company. (See Huebner, William C., assignor.)
- Huebner, Harry G., assignor to Albert Eichhorn & Son, Philadelphia, Pa. Cover for display boxes. 1,742,708; Jan. 7.
- Huebner, William C., Chicago, Ill. Apparatus for making photographic fractional exposures. 1,780,191; Nov. 4.
- Huebner, William C., Chicago, Ill. assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Photographic-printing apparatus. 1,780,678; Nov. 4.
- Huebner, William C., Buffalo, N. Y. Holding and supporting device for printing or print-receiving elements and the like. 1,780,677; Nov. 4.
- Huebner, William P., Maywood, assignor of one-half to A. I. Epton, M. Siegel, and S. M. Feldman, Chicago, Ill. Door mounting. 1,771,041; July 22.
- Huebsch, Joseph, Milwaukee, Wis., assignor to Huebsch Mfg. Co. Conveyor carriage. 1,749,381; Mar. 4.
- Huebsch, Joseph, assignor to Huebsch Mfg. Co., Milwaukee, Wis. Universal ironing machine. 1,776,259; Sept. 23.
- Huebsch, Joseph F., Miami, Fla., assignor to Huebsch Manufacturing Company, Milwaukee, Wis. Clothes-stretching apparatus. 1,748,291; Feb. 25.
- Huebsch Manufacturing Company. (See Huebsch, Joseph F., assignor.)
- Huebsch Manufacturing Company. (See Pearson, Pierce M., assignor.)
- Hueglin, Herman C., assignor to Federal Merchandise Co., Chicago, Ill. Ventilator. 1,784,234; Dec. 9.
- Hueller, Walter, West New York, N. J. Indicator for motor vehicles. 1,751,206; Mar. 18.
- Huene, Howard J., Brooklyn, N. Y. Chart for submitting advertising matter. 1,785,866; Dec. 23.
- Huenemann, Victor C., Garner, Iowa. Adjustable disappearing-lug traction wheel. 1,781,461; Nov. 11.
- Huenlich, Charles, Bloomfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical sound recording and reproducing apparatus. 1,762,175; June 10.
- Huerttle, Karl, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Gas container for aircrafts. 1,763,586; June 10.
- Huerttle, Karl, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Making gas cell material. 1,779,395; Oct. 21.
- Hueseman, William M., Dillsboro, Ind. Combined buckle and button loop. 1,759,944; May 27.
- Huesman, Burton L., assignor to Limousine Body Company, Kalamazoo, Mich. Vehicle body structure. 1,762,629; June 10.
- Huet, André, Paris, France, assignor to The Superheater Company, New York, N. Y. Reheater. 1,759,011; May 20.
- Huetteman, Gustav A. (See Weisman, J. C., and Huette-man.)
- Huettig, Arno R., Erie, Pa., assignor to American Meter Company, New York, N. Y. Tank gauge. 1,747,439; Feb. 18.
- Huff, Charles A., Philadelphia, Pa. Clipping device. 1,774,323; Aug. 26.
- Huff, Ernest, assignor to American Lace Paper Company, Milwaukee, Wis. Container. 1,776,358; Sept. 23.
- Huff, J. N. (See Stockton, George W., assignor.)
- Huff, Leslie R., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Plate valve. 1,780,524; Nov. 4.
- Huff, Leslie R., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Constant-volume regulator. 1,784,009; Dec. 9.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating and purifying hydrocarbon oils. 1,751,862; Mar. 25.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Refining oils. 1,756,026; Apr. 29.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for removing carbonaceous deposits from oil apparatus. 1,756,027; Apr. 29.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for removing carbon deposits from oil apparatus. 1,756,028; Apr. 29.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Gas burner. 1,765,672; June 24.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Orchard heater. 1,767,670; June 24.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Return-bend fitting. 1,767,677; June 24.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Cleaning apparatus. 1,767,795; June 24.
- Huff, Lyman C., assignor to Universal Products Company, Chicago, Ill. Rotary control valve for pumps. 1,776,834; Sept. 30.
- Huff, Thomas D. (See Burrows, Eastman A., assignor.)
- Huff, Walter, Harwood, Tex. Planter. 1,761,791; June 3.
- Huff, Wilbert J., D. L. Jacobson, and W. H. Hill, assignors to The Koppers Company, Pittsburgh, Pa. Stable alkaline ferric solution. 1,786,490; Dec. 30.
- Huffam, Gordon S. C., and E. J. Bergin, Sydney, New South Wales, Australia. Automatic baking-air-admission valve for automobile engines. 1,777,971; Oct. 7.
- Hufferd, George H., Detroit, Mich., assignor to Thompson Products Inc., Cleveland, Ohio. Universal coupling. 1,743,672; Jan. 14.

- Huffine, B. M., et al., trustees. (See Beardslee, Francis C., assignor.)
- Huffine, J. I., et al., trustees. (See Beardslee, Francis C., assignor.)
- Huffman, Charles E., Montclair, N. J., assignor to Westinghouse Lamp Company. Electron-discharge device with indirectly-heated cathode. 1,765,487; June 24.
- Huffman, James C., Battle Creek, Mich. Display rack. 1,752,985; Apr. 1.
- Huffman, John H., Washington, D. C. Tire-rim tool. 1,767,365; June 24.
- Huffman Manufacturing Company, The. (See Holtson, James B., assignor.)
- Huffman Manufacturing Company, The. (See Wilson, R. G., and R. M., assignors.)
- Huffman, Sherman O., Duquesne, Pa. Leader carrier. 1,784,965; Dec. 16.
- Huffman, William E., Dayton, Ohio. Inflation device. 1,787,153; Dec. 30.
- Huffman, William M., Kentonia, Ky. Material excavating and conveying machine. 1,763,786; June 17.
- Hufnagel, J. George. (See Clifford, Patrick J., assignor.)
- Hufnagle, Oliver C., and W. F. Reichelderfer, assignors to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Liquid-dispensing pump or the like. 1,765,273; June 17.
- Hufford, Lewis C., Redondo Beach, Calif. Apple grinder. 1,746,654; Feb. 11.
- Hug, Christian J., Highland, Ill. Wheel. 1,746,858; Feb. 11.
- Hug, Christian J., Highland, Ill. Truck body. 1,765,232; June 17.
- Hug, Christian J., Highland, Ill. Wheel. 1,780,923; Nov. 11.
- Hug, Frank, Brooklyn, assignor to Franklin Knitting Mills, Inc., New York, N. Y. Master testing card for jacquard knitting machines. 1,753,343; Apr. 8.
- Huge, Edwin. (See Libby, W. L., and Huges.)
- Hugershoff, Reinhard, Dresden, Germany, assignor to "Ikarus" Internationale Patentverwertungs A.-G., Vaduz im Fürstentum, Liechtenstein. Aerocartograph. 1,745,897; Feb. 4.
- Hugershoff, Reinhard, Dresden, Germany, assignor to "Ikarus" Internationale Patentverwertungs A. G. Vaduz, near Fürstentum, Liechtenstein, Germany. Aerocartograph. 1,766,294; June 24.
- Hugershoff, Reinhard, Dresden, assignor to the firm Ikarus Internationale Patentverwertungs-Aktien-Gesellschaft, Vaduz, Liechtenstein, Germany. Overlap regulator for sequence-picture makers. 1,773,309; Aug. 19.
- Hugershoff, Reinhard, Dresden, assignor to "Ikarus" Internationale Patent-Verwertungs A. G., Vaduz im Fürstentum, Liechtenstein. Stereoscopic measuring instrument. 1,785,448; Dec. 16.
- Huggins, Frank E., Long Beach, Calif. Game apparatus. 1,773,227; Aug. 19.
- Huggins, Melville. (See Macdonald, A. S., Waite, and Huggins.)
- Huggins, Merion J., Upper Saddle River, N. J., assignor to Auto-Meter Company, Inc., New York, N. Y. Electric indicating instrument. 1,745,488; Feb. 4.
- Huggins, Merion J., Upper Saddle River, N. J., assignor to Auto-Meter Company, Inc., New York, N. Y. Electric indicating instrument. 1,745,489; Feb. 4.
- Hughens, Robert L., Atlanta, Ga. Hub-cap wrench. 1,754,717; Apr. 15.
- Hughes, Alfred E., Stockport, England. Detachable radiator tube. 1,748,129; Feb. 25.
- Hughes, Arthur S. (See Gorsuch, H. F., and Hughes.)
- Hughes, Arthur S., Mansfield, Ohio. Hoist. 1,744,830; Jan. 28.
- Hughes, Arthur S., Mansfield, Ohio. Hoist. 1,744,897; Jan. 28.
- Hughes, Arthur S., Mansfield, Ohio. Earth-working attachment for tractors. 1,785,122; Dec. 16.
- Hughes, Arthur S., and H. F. Gorsuch, assignors to The Hughes-Keenan Company, Mansfield, Ohio. Dumping truck. 1,748,292; Feb. 25.
- Hughes, Burton S., Buffalo, N. Y. Centrifugal compressor. 1,769,260; July 1.
- Hughes, Charles A. and E. J. Thole, Evansville, Ind. Burglar-proof window guard. Des. 81,239; May 27.
- Hughes, Charles R., Altoona, Pa. Mining machine. 1,761,670; June 3.
- Hughes, Earl V., Peru, Ind., assignor to Wasmuth-Goodrich Company. Cabinet-door mount. 1,775,491; Sept. 9.
- Hughes, Edward R., Morristown, N. J., assignor to The Harvel Corporation. Removing oil from the shell of the cashew nut. 1,784,628; Dec. 9.
- Hughes, Frederick G., assignor to The New Departure Manufacturing Company, Bristol, Conn. Bearing mounting. 1,754,892; Apr. 15.
- Hughes, Frederick G., assignor to The New Departure Manufacturing Company, Bristol, Conn. Bearing mounting. 1,758,667; May 13.
- Hughes, Frederick G., assignor to The New Departure Manufacturing Company, Bristol, Conn. Antifriction bearing and mounting. 1,762,819; June 10.
- Hughes, Frederick G., assignor to The New Departure Manufacturing Company, Bristol, Conn. Assembling antifriction bearings. 1,783,791; Dec. 2.
- Hughes, George H., Philadelphia, Pa. Air pump. 1,763,155; June 10.
- Hughes, Henry L., Co. (See Goldman, Ralph H., assignor.)
- Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Radiator. Des. 80,728; Mar. 18.
- Hughes, James R., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined fender and tail-lamp casing for vehicles. Des. 81,240; May 27.
- Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Radiator. Des. 81,648; July 22.
- Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Fender lamp. Des. 82,263; Oct. 14.
- Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Head lamp. Des. 82,324; Oct. 21.
- Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Method and apparatus for rolling tapered wheel disks. 1,750,176; Mar. 11.
- Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Rolling disks. 1,767,796; June 24.
- Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Apparatus for and method of fabricating wheels. 1,784,445; Dec. 9.
- Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Cap nut. 1,787,154; Dec. 30.
- Hughes, Jess W., Long Beach, Calif. Shrouded rotary fishing tool. 1,742,767; Jan. 7.
- Hughes-Keenan Company. (See Gorsuch, H. F., and Hughes, assignors.)
- Hughes-Keenan Company, The. (See Hughes, A. S., and Gorsuch, assignors.)
- Hughes, Lafayette M. (See Mitchell, Thomas A., assignor.)
- Hughes, Leonard, assignor of one-third to B. V. Zillman, St. Louis, Mo. Method for photogravures. 1,761,125; June 3.
- Hughes, Myron E., Iron Mountain, Mich. Mail box. 1,762,477; June 10.
- Hughes, Robert H. S., Baltimore, Md. Stoker attachment. 1,753,050; Apr. 1.
- Hughes, Roland M., and V. W. Kay, Greenville, S. C. Selvage device for looms. 1,746,773; Feb. 11.
- Hughes, Thomas W., Rawlins, Wyo. Theft-preventing attachment for tanks. 1,787,250; Dec. 30.
- Hughes Tool Company. (See Fletcher, Harold W., assignor.)
- Hughes Tool Company. (See Fletcher, H. W., and Neuhaus, assignors.)
- Hughes Tool Company. (See Fletcher, H. W., and Ricker, assignors.)
- Hughes Tool Company. (See Ricker, Norman H., assignor.)
- Hughes Tool Company. (See Scott, Floyd L., assignor.)
- Hughes Tool Company. (See Wellensiek, Louis H., assignor.)
- Hughes, Walter J., Chicago, Ill. Thermostat-controlled fan. 1,787,041; Dec. 30.
- Hughes, William, McKee's Rocks, Pa. Pantograph. 1,770,238; July 8.
- Hughes, William A., Morristown, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Apparatus for treating patent leather. 1,747,301; Feb. 18.
- Hughes, William E., Chicago, Ill., assignor to Sullivan Machinery Company. Compressor system. 1,786,114; Dec. 23.
- Hughes, William G., Downey, Calif. Rail safety clamp. 1,744,966; Jan. 28.
- Hughes, William H., Pampa, Tex. Fluid elevator. 1,757,460; May 6.
- Hughes, William H., Falls City, Nebr. Floor polisher. 1,767,983; June 24.
- Hughett, Clarence W., Fresno, Calif. Poison container. 1,748,449; Feb. 25.
- Hugo, Theodor, Wilmersdorf, near Berlin, Germany. Conveying means in machines for manufacturing envelopes, paper bags, and the like. 1,747,074; Feb. 11.
- Hugoson, Nils E. A. (See Hixson, A. W., and Hugoson.)
- Huguenin, Albert, Paris, France. Lubricating device. 1,749,941; Mar. 11.
- Huguenin, Albert, Paris, France. Cooling of compressors of the piston type. 1,759,748; May 20.
- Huguenin, Albert, Paris, France. Storage-battery traction. 1,776,317; Sept. 23.
- Huguenin, Fernand L., Portsmouth, Ohio. Fountain-pen gun. 1,752,178; Mar. 25.
- Huiskens, Arthur H., La Grange, and F. L. Roman, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Rendering fibrous materials transparent or translucent. 1,744,767; Jan. 28.
- Hukill, Henry D., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake device. 1,782,571; Nov. 25.
- Hulander, Henry N. (See Davis, William H., assignor.)
- Hulbert, Edwin F., assignor to The Master Package Corporation, Owen, Wis. Container-top-affixing tool. 1,747,440; Feb. 18.
- Hulbert, Edwin F., assignor to The Master Package Corporation, Owen, Wis. Container. 1,753,928; Apr. 8.
- Hulbert, Edwin F., assignor to The Master Package Corporation, Owen, Wis. Reinforced container. 1,753,929; Apr. 8.
- Hulbert, John L., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Cutter for liners of milking-machine test cups. 1,780,016; Oct. 28.
- Hulett, Ralph M., Cleveland, Ohio. Mail chute. 1,781,282; Nov. 11.

- Hulett, Schuyler C., Spokane, Wash. Boiler feeder. 1,776,508; Sept. 23.
- Hulin, Paul L., Grenoble, assignor to Societe Anonyme Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camarque, Paris, France. Electrolytic apparatus for refining aluminum and for like processes. 1,782,616; Nov. 25.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Shielding system. 1,747,938; Feb. 18.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electrolytic rectifier. 1,769,837; July 1.
- Hull, Arthur B., assignor to Friend Manufacturing Company, Gasport, N. Y. Spray gun. 1,747,670; Feb. 18.
- Hull, Cloice B., Cleveland, Ohio. Flotation attachment for airplanes. 1,769,180; July 1.
- Hull, George A., assignor to Equipment Specialties Co., Chicago, Ill. Handhole closure. 1,744,119; Jan. 21.
- Hull, Harry B. (See King, J. G., and Hull.)
- Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,751,697; Mar. 25.
- Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,759,945; May 27.
- Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,761,040; June 3.
- Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,600; July 1.
- Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,768,602; July 1.
- Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,768,603; July 1.
- Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,775,492; Sept. 9.
- Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,778,322; Oct. 14.
- Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,779,317; Oct. 21.
- Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,779,542; Oct. 28.
- Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,779,543; Oct. 28.
- Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,779,544; Oct. 28.
- Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,780,425; Nov. 4.
- Hull, Harry B., and C. Warner, Dayton, Ohio, assignors, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,601; July 1.
- Hull, Harry B., and C. Warner, Dayton, Ohio, assignors, by mesne assignments, to Frigidaire Corporation. Automatic gas valve. 1,779,597; Oct. 28.
- Hull, Howard J. (See Keener, Monroe, assignor.)
- Hull, Howard J., Lancaster, Pa. Claw for milking machine. 1,776,909; Sept. 30.
- Hull, J. A., Co., The. (See Melton, Wendell A., assignor.)
- Hull, John C., Gasport, N. Y. Spray gun. 1,757,195; May 6.
- Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Alternating-current dynamo-electric machine. 1,742,957; Jan. 7.
- Hull, John I., Schenectady, and P. W. Robinson, Scotia, N. Y., assignors to General Electric Company. Speed and power factor control of induction machines. 1,778,599; Oct. 14.
- Hull, Lewis M., Mountain Lakes, assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Apparatus for amplifying electric oscillations. 1,760,872; June 3.
- Hull, Lewis M., Mountain Lakes, assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Electron-tube circuit. 1,764,206; June 17.
- Hull, Lewis M., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Audion amplifier. 1,764,564; June 17.
- Hull, Lewis M., Mountain Lakes, assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Amplifier circuit. 1,764,565; June 17.
- Hull, Ray B., near Dayton, Ohio. Spear pole for removing paper from the rollers of paper-making machines. 1,782,349; Nov. 18.
- Hull, Robert W., assignor to Rex Manufacturing Company, Connerville, Ind. Refrigerator cabinet. 1,787,879; Dec. 30.
- Hull, Romuald, et al. (See Jaorsz, John, assignor.)
- Hull, Samuel P. (See Lundy, B. A., and Hull.)
- Hull, Wade, Great Falls, Mont. Harp action. 1,775,462; Sept. 9.
- Hüller, Carl. (See Kovács, János, assignor.)
- Hulley, Albert, New York, N. Y. Suspension for vehicles. 1,777,565; Oct. 7.
- Hulley, Walter, Blackpool, England. Charge mixing and atomizing device of internal-combustion engines. 1,748,130; Feb. 25.
- Hulme, Fred, Newark, N. J., assignor to J. E. Hubbell, New York, N. Y. Casting pipes. 1,745,424; Feb. 4.
- Hulse, Albert J. (See Brassert, H. A., Hulse, and Andrews.)
- Hulse, Albert J., assignor to H. A. Brassert & Company, Chicago, Ill. Checkerbrick and checkerwork construction. 1,771,298; July 22.
- Hulse, D. T., et al. (See Williams, William E., assignor.)
- Hulsey, George E., New Haven, Conn., assignor to The Silica Gel Corporation, Baltimore, Md. Combination refrigerating and heating equipment. 1,776,910; Sept. 30.
- Hulsey, Jennings T., Webb City, Mo. Adjustable motor base. 1,756,515; Apr. 29.
- Hulshizer, George W., Stewartsville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Anchor for drilling mechanism. 1,783,290; Dec. 2.
- Hulshizer, George W., Stewartsville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotation mechanism for rock drills. 1,776,509; Sept. 23.
- Hulshizer, Joseph I. (See Smith, W. A., sr., and Hulshizer.)
- Hulshizer, Joseph I. (See Smith, W. A., Sr., Hulshizer, and Fuehrer.)
- Hulslander, Ray D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for removing articles from molds. 1,781,663; Nov. 11.
- Hülsmeier, Christian, Dusseldorf, Germany. Apparatus for producing nonoxidizing steam. 1,767,456; June 24.
- Hulson Grate Company. (See Hulson, John W., assignor.)
- Hulson, John W., assignor to Hulson Grate Company, Incorporated, Keokuk, Iowa. Smoke consumer. 1,749,028; Mar. 4.
- Hult, Carl A., Stockholm, Sweden. Rotary compressor, pump, or motor. 1,760,699; May 27.
- Hult, Carl J., Tureberg, Sweden. Press-casting machine. 1,760,555; May 27.
- Hult, Francis O., Jamestown, N. Y. Knife. 1,746,116; Feb. 4.
- Hult, Gunnar U. A. (See Olsson, J. I. and Hult.)
- Hultberg, Gottfrid, Chicago, Ill., assignor to The Barrett Company. Machine for cutting out blanks. 1,744,473; Jan. 21.
- Hultgren, Adolf, Detroit, Mich. Razor-blade holder. 1,778,945; Oct. 21.
- Hultgren, Axel G. E., Soderfors, Sweden. Casting steel and other metals. 1,775,859; Sept. 16.
- Hultgren, Axel G. E., Soderfors, Sweden. Mold for casting ingots of steel or other metals. 1,781,392; Nov. 11.
- Hultgren, Charles R., assignor to S. Karpen & Bros., Chicago, Ill. Adjustable-back chair, etc. 1,756,644; Apr. 29.
- Hultgren, Charles R., assignor to S. Karpen & Bros., Chicago, Ill. Sofa bed. 1,764,874; June 17.
- Hultgren, Charles R., assignor to S. Karpen & Bros., Chicago, Ill. Sofa bed. 1,764,875; June 17.
- Hultman, Carl A. W., Djursholm, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Selector switch for automatic telephone systems. 1,751,406; Mar. 18.
- Hultquist, Charles A., Los Angeles, Calif. Drill-steel-retaining device. 1,758,949; May 20.
- Hultquist, Victor J., Alcoa, Tenn. Handling apparatus for tile. 1,770,406; July 15.
- Humason, Granville A., Houston, Tex. Well packer. 1,785,123; Dec. 16.
- Humason, Granville A., Houston, assignor of one-half to J. A. Logan, Harris County, Tex. Casing head. 1,786,407; Dec. 23.
- Humason, John P., Houston, Tex. Valve mechanism. 1,783,291; Dec. 2.
- Humber, John D. (See Coffey, W. B., and Humber.)
- Humberstone, Ernest H., and H. R. Welch, assignors to The Marble Cliff Quarries Company, Columbus, Ohio. Hopper-feeding device. 1,785,585; Dec. 16.
- Humbke, Detrich E., Wetaskiwin, Alberta, Canada. Thrashing machine. 1,779,705; Oct. 28.
- Humboldt Sulphur Company. (See Crowley, Arthur J., assignor.)
- Hume, Edward S., Perth, Western Australia, assignor to Hume Steel Limited, Melbourne, Australia. Manufacture or lining of pipes by centrifugal action. 1,785,586; Dec. 16.
- Hume, George C., Chilton, Wis. Hoisting tackle. 1,764,512; June 17.
- Hume, James H., London, England. Apparatus for heating fluids. 1,775,103; Sept. 9.
- Hume, John R., Chicago, Ill. Fountain pen. 1,762,554; June 10.
- Hume Steel Limited. (See Hume, Edward S., assignor.)
- Hume, Walter R., Melbourne, Victoria, Australia. Machine for bending metal plates or sheets. 1,745,539; Feb. 4.
- Hume, Walter R., Melbourne, Victoria, Australia. Rotary retort. 1,748,178; Feb. 25.
- Hume, Walter R., Melbourne, Victoria, Australia. Method of and apparatus for forming or lining pipes. 1,768,451; June 24.
- Hume, William G., assignor to Keystone Steel & Wire Company, Peoria, Ill. Fish-trap structure. 1,783,716; Dec. 2.
- Humes, Ernest E., Cambridge Springs, Pa. Engine-valve mechanism. 1,759,555; May 20.
- Humeston, Frederick L., New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company. Battery hand lamp. 1,760,410; May 27.

- Humeston, Frederick L., New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company. Flash light. 1,770,522; July 15.
- Hummel, August C., Cincinnati, Ohio. Strip-serving device. 1,747,441; Feb. 18.
- Hummel, Frederick H., Brooklyn, N. Y. Top-lift-trimming machine. 1,774,887; Sept. 2.
- Hummelgard, Charles E., Miami, Fla. Screen and storm-sash hanger. 1,769,645; July 1.
- Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Spot lamp for automobiles. Des. 81,835; Aug. 19.
- Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Folding seat for automobile bodies. 1,747,717; Feb. 18.
- Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Spotlamp for automobiles and the like. 1,751,863; Mar. 25.
- Hump Hairpin Manufacturing Company, The. (See Austin, Harold T., assignor.)
- Hump Hairpin Manufacturing Co., The. (See Goldberg, Solomon H., assignor.)
- Hump Hairpin Manufacturing Co., The. (See O'Neal, Frank, assignor.)
- Humpert, Karl, Pratteln, near Basel, assignor to Staniol-fabrik Burgdorf A. G. Burgdorf, Switzerland. Production of acid-resisting wrapping material. 1,765,920; June 24.
- Humphrey, Alfred H., Salem, N. Y. License-plate holder. 1,781,642; Nov. 11.
- Humphrey, George A. (See Humphrey, Hubert R. and G. A.)
- Humphrey, Homer D., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,771,849; July 29.
- Humphrey, Hubert R. and G. A., assignors to General Gas Light Company, Kalamazoo, Mich. Heating apparatus. 1,754,952; Apr. 15.
- Humphrey, Hubert R., assignor to General Gas Light Company, Kalamazoo, Mich. Gas stove. 1,766,075; June 24.
- Humphrey, Hubert R. and G. A., assignors to General Gas Light Company, Kalamazoo, Mich. Heating apparatus. 1,766,076; June 24.
- Humphrey, Irl W., Terre Haute, Ind. Automatic thermostatic auto-fuel mixer. 1,749,034; Mar. 4.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing cymene. 1,746,532; Feb. 11.
- Humphrey, Irvin W., Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Lacquer. 1,746,895; Feb. 11.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Separating certain components from pine oil. 1,772,546; Aug. 12.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing a turpentine substitute from pine oil. 1,772,895; Aug. 12.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Rubber composition. 1,776,857; Sept. 30.
- Humphrey, James D., McAlester, Okla. Floral stand. 1,747,369; Feb. 18.
- Humphrey, Walter E. (See Bowers, A. C., and Humphrey.)
- Humphrey, Walter E., assignor to The Mason Tire & Rubber Corporation, Kent, Ohio. Bead-cutting mechanism. 1,760,411; May 27.
- Humphrey, Walter E., Kent, assignor, by mesne assignments, to The Akron Standard Mold Company, Akron, Ohio. Band-stretching machine. 1,787,423; Dec. 30.
- Humphrey, Walter E., and T. G. Graham, assignors, by mesne assignments, to The Mason Tire & Rubber Co., Kent, Ohio. Fluid-conducting tree for vulcanizers. 1,768,406; June 24.
- Humphreys, Augustus, Oldham, England. Magnetic chuck. 1,744,768; Jan. 28.
- Humphreys, Chester C. (See Jones, W. N., and Humphreys.)
- Humphreys, Ira B., Denver, Colo. Pumping apparatus. 1,765,427; June 24.
- Humphreys, Omar R. and W. G., Omaha, Nebr. Clutch. 1,755,259; Apr. 22.
- Humphreys, Robert E., Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind. Pressure distillation. 1,745,931; Feb. 4.
- Humphreys, Walter G. (See Humphreys, Omar R. and W. G.)
- Humphries, Albert H., Tisdale, Saskatchewan, Canada. Cuff button. 1,757,369; May 6.
- Humphries, Chad H., Indianapolis, Ind., assignor of one-half to J. C. Patten. Cutting implement. 1,770,157; July 8.
- Humphries, General W. (See Burkett, W. T., and Humphries.)
- Humphreys, James H., Bickley, Kent, England. Lining for tunnels, shafts, and the like. 1,779,275; Oct. 21.
- Hund, Henry E., assignor to Detroit Hume Pipe Company, Detroit, Mich. Mechanism for making concrete pipe. 1,778,389; Oct. 14.
- "Hundertsfeuer" Gesellschaft für Moderne Bautentechnik mit beschränkter Haftung. (See Ludwig, Karl, assignor.)
- Huneker, Walter P., Frontenac, Minn. Chimney cleaner. 1,758,950; May 10.
- Huneycutt, Raymon C., Stanfield, N. C. Cotton-gin attachment. 1,742,812; Jan. 7.
- Hunick, Clarence C., Palisade, N. J. Nonadulterable container. 1,777,408; Oct. 7.
- Hunick, Raymond S., Elizabeth, N. J., assignor to The Barrett Company, New York, N. Y. Liquid-delivery device. 1,748,985; Mar. 4.
- Hunker, Martin L., assignor to The Reeves Manufacturing Company, Dover, Ohio. Making tapered tubular objects. 1,748,772; Feb. 25.
- Hunkle, Rene. (See Glueck, John, assignor.)
- Hunker, Martin L., assignor to The Reeves Manufacturing Company, Dover, Ohio. Bottom construction for cans. 1,756,593; Apr. 29.
- Hunn, Edward B., Roselle, N. J., assignor to Standard Oil Development Company. Purification of hydrocarbon oils. 1,786,246; Dec. 23.
- Hunstiger, Leo T., Chicago, Ill. Displaying-shelf bracket. 1,746,117; Feb. 4.
- Hunt, Alfred E. (See Campbell, C. S., and Hunt.)
- Hunt, Alfred E., New Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or file. 1,786,616; Dec. 30.
- Hunt, Allan F., Burlingame, Calif. Combination electric plug and switch. 1,760,138; May 27.
- Hunt, Allan F., San Francisco, Calif. Book hanger. 1,779,095; Oct. 21.
- Hunt, Andrew M. (See Roesch, F. P., Hopper, and Hunt.)
- Hunt, Andrew M., Berkeley, Calif., assignor to The Standard Stoker Company, Incorporated. Stoker system. 1,771,789; July 29.
- Hunt, Andrew M., New York, N. Y., assignor to Standard Stoker Company, Incorporated. Stoker distributing means. 1,773,103; Aug. 19.
- Hunt, Calvin M., and R. W. Wilkinson, Borger, Tex. Oil-well apparatus. 1,768,323; June 24.
- Hunt, Clinton H., Steubenville, Ohio, assignor to Weirton Steel Company, Weirton, W. Va. Piler for rolled metal. 1,748,226; Feb. 25.
- Hunt, Francis H., Leonia, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Apparatus for driving hollow cylinders. 1,787,000; Dec. 30.
- Hunt, Francis H., Los Angeles, Calif., and F. A. Schroeder, Rochelle Park, N. J., assignors to Raymond Concrete Pile Company, New York, N. Y. Excavating apparatus. 1,787,001; Dec. 30.
- Hunt, Frank W., Seattle, Wash. Automotive-vehicle steering device. 1,742,352; Jan. 7.
- Hunt, Franklin B., Oak Park, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Refrigerating system. 1,746,896; Feb. 11.
- Hunt, George, assignor to The Studebaker Corporation, South Bend, Ind. Spring shackle. 1,749,818; Mar. 11.
- Hunt, George C., assignor to The Savutime Devices, Inc., Rochester, N. J. Control device for heating systems. 1,782,653; Nov. 25.
- Hunt, George H., South Bend, assignor to Bendix Brake Company, Chicago, Ill. Brake-applying means. 1,756,979; May 6.
- Hunt, Geo. L., Automotive Equipment Co. (See Hunt, George L., assignor.)
- Hunt, George L., assignor to Geo. L. Hunt Automotive Equipment Co., Davenport, Iowa. Mechanism for operating upon metal parts of automobiles and the like. 1,786,847; Dec. 30.
- Hunt, Helm, Ferris & Company. (See Ferris, Howard J., assignor.)
- Hunt, Henry G., Granville, Mass. Drum. 1,767,133; June 24.
- Hunt, Howard M., Huntington Park, assignor to Smoot-Holman Co., Inglewood, Calif. Combination drip pan and baffle member for refrigerating cases. 1,761,629; June 3.
- Hunt, J. Harold, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Disk-wheel mounting. 1,787,074; Dec. 30.
- Hunt, J. Harold, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Spoke-end-cap construction. 1,787,075; Dec. 30.
- Hunt, J. Harold, Detroit, Mich., and G. M. Evans, New York, N. Y., assignors to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 1,751,086; Mar. 18.
- Hunt, John H., assignor to General Motors Research Corporation, Detroit, Mich. Eliminating electric shock. 1,744,004; Jan. 14.
- Hunt, John H., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Crank-case ventilation. 1,749,345; Mar. 4.
- Hunt, John H., assignor to General Motors Research Corporation, Detroit, Mich. Reflector. 1,761,919; June 3.
- Hunt, Leigh. (See Sturgis, Herbert M., assignor.)
- Hunt, Lewis E., Elk Point, S. Dak. Heater drum for hog and poultry houses. 1,777,264; Sept. 30.
- Hunt, Marsden H., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistor material and making the same. 1,764,311; June 17.
- Hunt, Nathan C. (See Burrell, E. P., and Hunt.)
- Hunt, Ormond E., and A. G. Geistert, assignors to General Motors Corporation, Detroit, Mich. Truck-tire carrier. 1,761,920; June 3.
- Hunt, Rodney, Machine Company. (See Riggs, Homer C., assignor.)
- Hunt, Seth B., trustee. (See Born, S., and Isham, assignors.)

- Hunt, Seth B., trustee. (See Isham, Robert M., assignor.)
- Hunt, Seth B., trustee. (See Isham, R. M., and Born, assignors.)
- Hunt-Spiller Manufacturing Corporation. (See Goostray, Joseph, assignor.)
- Hunt, Sydney, Birmingham, England. Cam mechanism. 1,755,956; Apr. 22.
- Hunt, Sydney, Birmingham, England. Machine for the manufacture of hollow-blown glass articles. 1,755,957; Apr. 22.
- Hunt, Sydney, Birmingham, England, assignor to John Walker & Sons Limited, London, England. Manufacture of blown-glass articles. 1,781,233; Nov. 11.
- Hunt, Warren T., assignor to The Willys-Overland Company, Toledo, Ohio. Automatic carburetor control. 1,753,788; Apr. 8.
- Hunt, Warren T., assignor to The Willys-Overland Company, Toledo, Ohio. Carburetor choke control. 1,775,127; Sept. 9.
- Hunt, William, Baltimore, Md. Apparatus for producing carbon black. 1,773,002; Aug. 12.
- Hunt, William F., New Brighton, J. K. Mabbs, Bayside, N. Y., and W. B. Rowland, Upper Montclair, N. J., assignors to Oxweld Acetylene Company. Filament mounting for gas-detecting apparatus. 1,756,749; Apr. 29.
- Hunt, Wilson P., Moline, Ill. Multiple drill apparatus. 1,784,288; Dec. 9.
- Hunt, Wilson P., C. W. Hallene, and S. L. Brandenburg, assignors to Moline Tool Company, Moline, Ill. Grinding machine. 1,761,126; June 3.
- Hunter, Albert E., Oak Park, assignor to Regal Musical Instrument Co., Chicago, Ill. Banjo or similar article. Des. 81,007; Apr. 22.
- Hunter, Alfred R., assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for retarding freely-falling mold charges. 1,755,397; Apr. 22.
- Hunter, Campbell M., London, England. Burner. 1,765,274; June 17.
- Hunter, Campbell M., and H. P. Philpot, London, England. Burner. 1,749,942; Mar. 11.
- Hunter, Carl E., and De L. Lutz, Memphis, Tenn. Casting machine. 1,782,898; Nov. 25.
- Hunter, Charles W., Pittsburgh, Pa. Smoking pipe. 1,747,076; Feb. 11.
- Hunter, Charles W., Los Angeles, Calif. Timer. 1,773,186; Aug. 19.
- Hunter, Daniel L., assignor to Hunter-Walker Company, Houston, Tex. Conduit coupling. 1,775,128; Sept. 9.
- Hunter, David E., assignor to The Shaw-Walker Company, Muskegon, Mich. Vertical filing device. 1,743,669; Jan. 14.
- Hunter, David E., assignor to Shaw Walker Company, Muskegon, Mich. Vertical filing device. 1,748,714; Feb. 25.
- Hunter, David E., assignor to Shaw-Walker Company, Muskegon, Mich. Guide card for index systems. 1,757,122; May 6.
- Hunter, David E., assignor to Shaw-Walker Company, Muskegon, Mich. Drawer construction for filing cabinets. 1,761,303; June 3.
- Hunter, Eugene F. (See Sample, Wilbur S., assignor.)
- Hunter, George, Pompton Lakes, N. J. Jacquard mechanism. 1,750,670; Mar. 18.
- Hunter, James, Machine Company. (See Buck, Lucien, assignor.)
- Hunter, John S., Coalinga, Calif. Double-acting pump. 1,783,425; Dec. 2.
- Hunter, John S., Coalinga, Calif. Long-stroke pumping jack. 1,756,089; Apr. 29.
- Hunter, Kenneth M. (See Nunwick, A. C., Iago, and Hunter.)
- Hunter, Marcus C. I. (See Hamlyn, W. P., and Hunter.)
- Hunter, Percy E., Pittsburgh, Pa. Flanging and welding machine. 1,763,787; June 17.
- Hunter, Percy E., Pittsburgh, Pa. Pipe-thread protectors. 1,786,491; Dec. 30.
- Hunter, Percy E., assignor of one-half to F. J. Lanahan, Pittsburgh, Pa. Bridge structure. 1,765,488; June 24.
- Hunter, Percy E., and L. E. Endsley, Pittsburgh, Pa.; said Endsley assignor to said Hunter. Method of and apparatus for separating metal sheets. 1,767,587; June 24.
- Hunter, Philip V. (See Watson, J. F., Hunter, and Wilson.)
- Hunter, Philip V., London, England. Conduit or duct for electric cables. 1,742,353; Jan. 7.
- Hunter, Philip V., London, England. Electric cable or attachment for use in connection therewith. 1,742,354; Jan. 7.
- Hunter, Philip V. and H. J. Allcock, London, England. Flexible electric conductor. 1,771,120; July 22.
- Hunter, Ralph, New York, assignor to Hall, Hartwell & Co. Inc., Troy, N. Y. Collar. 1,752,796; Apr. 1.
- Hunter, Ralph M. (See Griswold, T., Jr., and Hunter.)
- Hunter, Richard B., assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Operating mechanism for dimmer rheostats. 1,759,903; May 27.
- Hunter, Richard B., Shorewood, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Method of and apparatus for controlling electric motors. 1,778,976; Oct. 21.
- Hunter, Richard B., Shorewood, assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Motor controller. 1,782,424; Nov. 25.
- Hunter, Samuel, Bellevue, Pa. Routing machine. 1,751,816; Mar. 25.
- Hunter, Samuel M. (See Marshall, Benjamin H., assignor.)
- Hunter Saw and Machine Company. (See Kleeb, O. F., and Fullerton, assignors.)
- Hunter-Walker Company. (See Hunter, Daniel L., assignor.)
- Hunter, Walter P., Vancouver, Wash. Take-up device. 1,785,629; Dec. 16.
- Hunter, William O., Riverside, Calif. Antiglare device. 1,745,695; Feb. 4.
- Huntington, Harold O., assignor to H. O. Benedict, Seattle, Wash. Dust gun. 1,777,278; Sept. 30.
- Huntington, James B., Cedar Rapids, Iowa, assignor to The Philip Carey Manufacturing Company. Expansion-joint-installing device. 1,768,689; July 1.
- Huntington, James B., Cedar Rapids, Iowa, assignor to The Philip Carey Manufacturing Company. Expansion-joint-installing device. 1,768,690; July 1.
- Huntington, Leland W., Oakland, Calif. Invalid table. Des. 81,285; June 3.
- Huntington, Levin B., Annapolis, Md. Artificial bait. 1,752,088; Mar. 25.
- Huntington, Levin B., Annapolis, Md. Artificial bait. 1,774,976; Sept. 2.
- Huntley, Alton K., Cleveland, Ohio, assignor to National Carbon Co., Inc. Dry-cell battery. 1,765,673; June 24.
- Huntley, Reginald C., Sturgis, Mich. Adjustable chair. 1,762,630; June 10.
- Huntley, Reginald C., assignor to Sturgis Posture Chair Company, Sturgis, Mich. Adjustable chair. 1,783,426; Dec. 2.
- Huntoon, John S., Detroit, Mich., assignor to Massey Concrete Products Corporation, Chicago, Ill. Cribbing. 1,787,199; Dec. 30.
- Huntoon, John S., Detroit, Mich., assignor to Massey Concrete Products Corporation, Chicago, Ill. Cribbing. 1,787,200; Dec. 30.
- Hunyady, Joseph, Mount Lebanon, Pa. Display revolving stand. 1,755,477; Apr. 22.
- Huonker, Fredrick C., Dayton, Ohio. Adjustable stand and rack. 1,782,617; Nov. 25.
- Hupp, Albert, Chicago, Ill., assignor to Stormvision Corporation. Clear-vision device. 1,779,042; Oct. 21.
- Hupp, Charles A., Indianapolis, assignor of one-half to W. M. Wilt, Syracuse, Ind. Table cover. Re17,714; June 24.
- Hupp, Charles A., Defiance, Ohio, assignor of one-half to W. M. Wilt, Syracuse, Ind. Table cover. 1,744,769; Jan. 28.
- Hupp, Ferdinand M., Clearwater, Nebr. Stock waterer. 1,782,350; Nov. 18.
- Hupp, Irvin, Chicago, Ill. Clutch mechanism. 1,756,063; Apr. 29.
- Hupp Motor Car Corporation. (See MacPherson, Earle S., assignor.)
- Hupp Motor Car Corporation. (See Ornberg, Ivan, assignor.)
- Hupp Motor Car Corporation. (See Punke, John J., assignor.)
- Hupp, R. C. (See Hopkins, Arthur T., assignor.)
- Huppert, William, New York, N. Y. Electrical cord switch. Des. 80,272; Jan. 7.
- Huppmann, Karl K., Cicero, Ill. Driving mechanism. 1,773,489; Aug. 19.
- Hurd, Benjamin W., assignor to Turbine Fuel Oil Burner Co., San Francisco, Calif. Burner control. 1,786,068; Dec. 23.
- Hurd, Charles B., Santa Ana, Calif. Cupboard latch. 1,752,559; Apr. 1.
- Hurd, Edward L., Milton, and C. B. Tibbetts, Walpole, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Tool-securing device. 1,783,961; Dec. 9.
- Hurd, Herman M., Youngstown, Ohio. Scraper. 1,746,859; Feb. 11.
- Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Door holder. 1,777,672; Oct. 7.
- Hurd, Ralph W., Oakland, Calif. Hand tool. 1,768,604; July 1.
- Hurden, Alfred. (See Hurden, Evelyn and A. P.)
- Hurden, Evelyn and A. P., Harefield, England. Construction of concrete buildings cast in situ. 1,778,946; Oct. 21.
- Huret, Georges, assignor to Societe Anonyme Jean Patou, Paris, France. Bottle. Des. 80,729; Mar. 18.
- Hurff, George M., Kewanee, Ill. Seed-corn rack. 1,771,085; July 22.
- Hurford, George, and N. V. Kipping, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Molded finger plate for dial switches. 1,765,428; June 24.
- Hurlbert, William G., Jr., and E. E. Marshman, Warren, Ohio. Expanded-metal lath. 1,781,012; Nov. 11.
- Hurlbrink, Ernst, Berlin, and M. Ludwig, Paderborn, assignors to the firm Martini & Hünke Maschinenbau-Aktiengesellschaft, Berlin, Germany. Hydraulic fuel dispensing system. 1,757,715; May 6.

- Huribrink, Ernst, Berlin, and G. Meister, Berlin-Blankenburg, assignors to Fabrik explosionssicherer Gefasse Salzkotten G. m. b. H., Salzkotten, Germany. Dispensing apparatus. 1,778,390; Oct. 14.
- Hurlburt, Henry F., jr. (See Williams, David C., assignor.)
- Hurlburt, Lee R., Flushing, N. Y., assignor to Pennsylvania Rubber Company, Jeannette, Pa. Apparatus for packing articles in cans. 1,743,780; Jan. 14.
- Hurlburt Research Corporation. (See Zeidler, William A., assignor.)
- Hurlburt, Watson, Chicago, Ill. Torque converter. 1,754,893; Apr. 15.
- Hurlbut, H. S., et al. (See Sykes, Thomas B., assignor.)
- Hurley, Albert B., assignor, by mesne assignments, to National Paper Process Company, New York, N. Y. Eye protection and means for practicing the same. Re17,789; Sept. 2.
- Hurley, Harry A., Los Angeles, H. J. Jones, Fullerton, and H. Jimenez, Los Angeles, Calif. Apparatus for automatically determining and recording the specific gravities of fluids. 1,764,103; June 17.
- Hurley, Joseph M., Minneapolis, Minn. Holder for cards or the like. 1,748,419; Feb. 25.
- Hurley, Mike N., Whittier, Calif. Lift for automobile window glass. 1,768,983; July 1.
- Hurley, Roy T., Dobbs Ferry, N. Y., assignor to The D. G. Corporation. Spark plug. 1,762,989; June 10.
- Hurley, Roy T., Dobbs Ferry, N. Y. Spark plug. 1,775,528; Sept. 9.
- Hurwitz, Jay C., New York, N. Y., assignor to L. W. Jones Tool Company, Incorporated. Tool holder. 1,768,066; June 24.
- Hurvell, Gay C., London, England. Homogenizing machine. 1,756,198; Apr. 29.
- Hurst, Albert E., New York, N. Y. Radiator cover. 1,757,090; May 6.
- Hurst, Albert E., New York, N. Y. Advertising or price ticket. 1,757,964; May 13.
- Hurst, Daniel T., Glenwood, Iowa. Lawn mower. 1,742,813; Jan. 7.
- Hurst, Edwin F. (See Sweet, C. H., and Hurst.)
- Hurst, James E., Thorncliffe, near Sheffield, England, and E. B. Ball, assignors to Centrifugal Castings Limited, Kilmarnock, Scotland. Apparatus for extracting pipes and like cylindrical articles from the molds in which they are cast. 1,754,106; Apr. 8.
- Hurst, Thomas H., Wichita, Kans. Combination pliers and tool. 1,748,673; Feb. 25.
- Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,768,480; June 24.
- Hurt, Samuel N., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,785,382; Dec. 16.
- Hurwitz, Eugen, Berlin, Germany, assignor to General Electric Company. Electric lamp for beacon lights. 1,751,407; Mar. 18.
- Hurxthal, Alpheus O., assignor, by mesne assignments, to Proctor & Schwartz Electric Company, Philadelphia, Pa. Battery gauge for waffle irons. 1,747,832; Feb. 18.
- Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Tentering machine. 1,749,584; Mar. 4.
- Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Filter-cake loop drier. 1,755,005; Apr. 15.
- Hurxthal, Alpheus O., assignor to Proctor and Schwartz, Incorporated, Philadelphia, Pa. Loop drier. 1,755,006; Apr. 15.
- Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Conveyor for plastic materials. 1,772,423; Aug. 5.
- Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Chemical loop drier. 1,777,972; Oct. 7.
- Husak, Joseph L., Schuyler, Nebr. Tire tool. 1,759,849; May 27.
- Husband, John, Montreal, Quebec, Canada. Rotary valve. 1,767,239; June 24.
- Hush, Foss C., Lincoln, Nebr. Meter box. 1,755,444; Apr. 22.
- Husk, Joseph W., and R. L. Olson, Tacoma, Wash., assignors to Syracuse Washing Machine Corporation, Syracuse, N. Y. Rinsing device for washing machines. 1,757,250; May 6.
- Husky Corporation. (See Mandl, Siegmund, assignor.)
- Husman, Marion M., New York, N. Y. Bath cap. 1,742,314; Jan. 7.
- Husman, Marion M., New York, N. Y. Cap. 1,766,749; June 24.
- Huss, Richard. (See Wagner, H., Kuchenbecker, and Huss.)
- Hussey, Erwin H., Minneapolis, Minn., assignor to The Bauer Brothers Company, Springfield, Ohio. Attrition mill. 1,744,226; Jan. 21.
- Hussey, Nellie B., Peking, China. Lady's hand bag. Des. 82,747; Dec. 9.
- Hussey, William J. (See Jones, C. H. L., and Hussey.)
- Hussmann-Ligonier Company. (See Becker, Francis C., assignor.)
- Hussong Dyeing Machine Company. (See Thompson, James H., assignor.)
- Hussong Dyeing Machine Company. (See White, Lewis, assignor.)
- Husted, H. A., Company, The. (See Kraft, Herman T., assignor.)
- Husted, Harry F., Winchester, Va., assignor to L. W. Scott, Wyoming, Pa. Cigarette and cigar holder. 1,767,927; June 24.
- Husted, Lemuel J., Los Angeles, Calif. Oil-well apparatus. 1,768,984; July 1.
- Husted, Norris C., Niles, Ohio. Fuse. 1,754,683; Apr. 15.
- Husted, Norris C., Niles, Ohio. Secondary rack. 1,761,671; June 3.
- Husted, Norris C., Niles, Ohio. Handle construction. 1,770,137; July 8.
- Husted, Norris C., Niles, Ohio. Insulator rack. 1,770,138; July 8.
- Hustvet, Jacob T., Lampson, Wis. Differential clutch. 1,786,492; Dec. 30.
- Hutchen, Edward, Milwaukee, assignor to Utility Manufacturing Co., Cudahy, Wis. Flat-tire-building machine. 1,767,288; June 24.
- Hutchens, Howard O. (See Krause, A. R., and Hutchens.)
- Hutchens, Ralph W. (See Staake, Spencer O., assignor.)
- Hutchens, Ralph W., and A. R. Krause, assignors to Gillette Rubber Co., Eau Claire, Wis. Upright inner tube mold. 1,781,393; Nov. 11.
- Hutches, Benjamin F., jr., Allendale, N. J. Mounting and supporting means for time indicators. 1,767,671; June 24.
- Hutches, Benjamin F., jr., Allendale, N. J. Electromotor. 1,770,753; July 15.
- Hutches, Benjamin F., jr., Allendale, N. J., assignor to Hutches Engineering Association, Inc., New York, N. Y. Parking clock. 1,749,977; Mar. 11.
- Hutches Engineering Association, Inc. (See Hutches, Benjamin F., jr., assignor.)
- Hutcheson, Ray R., Richmond Hill, N. Y., assignor to Wm. Demuth & Co. Bottle stopper. Des. 82,679; Dec. 2.
- Hutchings, Edward W., Perry, Fla. Lumber cradle. 1,762,271; June 10.
- Hutchings, Joseph L., Olean, N. Y. Drain valve. 1,747,442; Feb. 18.
- Hutchings, Joseph L., Olean, N. Y. Valve. 1,752,667; Apr. 1.
- Hutchings, Le Roi E., Buffalo, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Card index. 1,743,274; Jan. 14.
- Hutchings, Le Roi E., Buffalo, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Vertical record file. 1,752,300; Apr. 1.
- Hutchings, Le Roi E., Buffalo, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Filing device. 1,756,866; Apr. 29.
- Hutchings, Le Roi E., and J. D. Lear, Buffalo, assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Filing drawer. 1,768,467; June 24.
- Hutchings, Le Roi E., Buffalo, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Loose-leaf book. 1,786,617; Dec. 30.
- Hutchings, Urban W., Sam Fordyce, Tex. Auto tire protector. 1,759,159; May 20.
- Hutchins, Allan S., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle tension and take-up mechanism. 1,766,904; June 24.
- Hutchins Car Roofing Company. (See Franck, Edwin G., assignor.)
- Hutchins Car Roofing Company. (See Hawksworth, David W., assignor.)
- Hutchins Car Roofing Company. (See Thompson, William D., assignor.)
- Hutchins Car Roofing Company. (See Wilson, Alfred R., assignor.)
- Hutchins, Frank B., et al. (See Carr, C. W., and Tripp, assignors.)
- Hutchins, Frank E., et al. (See Rosentreter, Albert J., assignor.)
- Hutchins, Vern F., Montevideo, Minn. Lock for end gates. 1,743,352; Jan. 14.
- Hutchins, William H., assignor, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. Electric ignition apparatus. 1,761,015; June 3.
- Hutchinson, Clara M. (See Whipple, Arden D., assignor.)
- Hutchinson, Edward, jr., Philadelphia, Pa. Fireplace screen. 1,759,619; May 20.
- Hutchinson, Edward, jr., Philadelphia, Pa., assignor, by mesne assignments, to Saffigard-Nudaire, Inc., Wilmington, Del. Drying cabinet. 1,752,797; Apr. 1.
- Hutchinson, Frank L., Wauwatosa, Wis. Automatic fluid-temperature-control valve. 1,756,688; Apr. 29.
- Hutchinson, Harry, assignor, by mesne assignments, to The Berger Manufacturing Company, Canton, Ohio. Culvert. 1,774,599; Sept. 2.
- Hutchinson, Job, Saugerties, N. Y. Vacuum cleaner. 1,763,397; June 10.
- Hutchinson, Job, Great Neck, N. Y. Fuel rectifier. 1,763,654; June 17.
- Hutchinson, Lewis H., South Portland, Me. Picture-graph machine. 1,749,767; Mar. 11.
- Hutchinson, Noble M. (See Fisher, J. P., Greenfield, and Hutchinson.)
- Hutchinson, Philip H. (See Brittain, R. J., jr., and Hutchinson.)
- Hutchinson, Roland V. (See Stevens, H. C. M., and Hutchinson.)
- Hutchinson, Roland V., Lansing, assignor to General Motors Research Corporation, Detroit, Mich. Supercharger drive. 1,761,921; June 3.

- Hutchinson, Roland V., Lansing, assignor to General Motors Corporation, Detroit, Mich. Worm-gear axle. 1,761,922; June 3.
- Hutchinson, Walter L., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Cage for cylindrical rollers. 1,774,329; Aug. 26.
- Hutchinson, William S., Scarsdale, N. Y., assignor to The Silica Gel Corporation, Baltimore, Md. Dry-charged battery plate. 1,749,819; Mar. 11.
- Hutchinson, William V., La Mesa, Calif. Scraper. 1,757,251; May 6.
- Hutchison, Clare E., administratrix. (See Hutchison, Maurice F.)
- Hutchison, Maurice F., deceased, Herndon, Va.; C. E. Hutchison, administratrix. Modulator for heating systems. 1,759,310; May 20.
- Hutchison, Miller R., West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Loud-speaker. 1,759,556; May 20.
- Hutchison, Miller R., West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Sounding board. 1,767,678; June 24.
- Hutchison, Miller R., West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Truncated horn speaker having plurality of chambers. 1,767,679; June 24.
- Hutchison, Miller R., jr., Madison, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Plural-conductor actuating unit. 1,759,557; May 20.
- Hutchison, Miller R., Llewellyn Park, West Orange, assignor to Echodon, Inc., West Orange, N. J. Polarized push-pull electromagnetic unit and method of and apparatus for calibrating the flux thereof. 1,774,920; Sept. 2.
- Hutchison, Miller R., Llewellyn Park, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Loud-speaker. 1,784,594; Dec. 9.
- Hutchison, Miller R., Llewellyn Park, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Acoustic device. 1,784,595; Dec. 9.
- Hutchison, Miller R., Llewellyn Park, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Closed end resonating horn. 1,784,596; Dec. 9.
- Hutchison, Miller R., Llewellyn Park, West Orange, N. J., assignor to Premier Laboratory Company. Sound-propagating diaphragm. 1,786,949; Dec. 30.
- Hutchison, Miller R., Llewellyn Park, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Reenforced sounding board. 1,787,002; Dec. 30.
- Hutchison, Miller R., Llewellyn Park, West Orange, N. J., assignor to Premier Laboratory Company. Sound-propagating diaphragm. 1,787,003; Dec. 30.
- Hutchison, Thomas S., Chicago, Ill. Marble game. 1,772,006; Aug. 5.
- Hutchison, Thomas S., Chicago, Ill. Miniature motor car. 1,779,096; Oct. 21.
- Huth, Edward C., assignor to Huth & James Shoe Manufacturing Company, Milwaukee, Wis. Shoe. Des. 81,538; July 8.
- Huth, Dr. Erich F., Ges. m. b. H. (See Cohn, Henny, assignor.)
- Huth, Dr. Erich F., Ges. m. b. H. (See Messtorff, Gerhard, assignor.)
- Huth, Dr. Erich F., Ges. m. b. H. (See Trautwein, Friedrich, assignor.)
- Huth & James Shoe Manufacturing Company. (See Huth, Edward C., assignor.)
- Huth, Walter H. (See Minnium, Byron B., assignor.)
- Huther Bros. Saw Manufacturing Company. (See Huther, Warren B., assignor.)
- Huther, Warren B., assignor to Huther Bros. Saw Manufacturing Company, Rochester, N. Y. Dado saw. 1,782,507; Nov. 25.
- Hutson, Del. (See Ike, L. E., Langren, Hutson, and Latta.)
- Hutt, Albert B., New Rochelle, N. Y. Pressure device in dispensing fluids and semifluids. 1,767,680; June 24.
- Hutt, Albert E., New Rochelle, N. Y. Semidouble-deck passenger-carrying vehicle. 1,769,027; July 1.
- Hutt, Arthur C. (See Alley, S. E., and Hutt.)
- Hutt, Cecilia E., executrix. (See Young, A. P., and Hutt.)
- Hutt, Joseph. (See Young, A. P., and Hutt.)
- Hutt, Leonard P., Schenectady, N. Y., assignor to General Electric Company. Limit switch. 1,774,440; Aug. 26.
- Huttinger, William R., Philadelphia, Pa. Switch contact. 1,774,377; Aug. 26.
- Huttinger, William R., Philadelphia, Pa. Actuating and controlling mechanism for electric switches. 1,787,314; Dec. 30.
- Hutto, Amon A., Samson, Ala. Plow attachment. 1,766,750; June 24.
- Hutto, Marsden C., Detroit, Mich. Cylinder grinder. 1,772,045; Aug. 5.
- Hutton, Edward S., Miami, Fla. Backing stop for vehicles. 1,752,435; Apr. 1.
- Hutton, James, Monton, and J. Bacon, assignors to J. Bacon, London, and H. Heather, Catford, England. Advertising sign using reflected sight. 1,756,090; Apr. 29.
- Hutton, James W., et al. (See May, Caleb J., assignor.)
- Hutton, Uiric O., Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer Inc. Apparatus for proportioning and controlling the rates of flow of fluids. 1,767,588; June 24.
- Huxford, Jere O., Perry, Fla. Turpentine apron. 1,783,650; Dec. 2.
- Huyben, Theo, Temsche, Belgium. Reenforcement for wicker chairs. 1,758,045; May 13.
- Huye, Joseph G., New Orleans, La. Display stand. 1,767,134; June 24.
- Hvid, Rasmus M., Chicago, Ill. Refrigerating machine. 1,772,667; Aug. 12.
- Hvid, Rasmus M., Chicago, Ill. Compressor construction for ice machines. 1,783,017; Nov. 25.
- Hyams, Isabel F., et al., trustees. (See Blake, Charles C., assignor.)
- Hyams, Joseph A., New York, N. Y. Clip. 1,748,227; Feb. 25.
- Hyams, Sarah A., et al., trustees. (See Blake, Charles, assignor.)
- Hyatt, Louis C., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Bus heater. 1,771,439; July 29.
- Hyatt, Samuel W., assignor to Indiana Lamp Corporation, Connerville, Ind. Ferrule and retainer for head lamps. 1,765,763; June 24.
- Hyatt, Samuel W., assignor to Indiana Lamp Corporation, Connerville, Ind. Airplane landing light. 1,771,086; July 22.
- Hyatt, William A., Denver, Colo. Turret-tool holder. 1,748,348; Feb. 25.
- Hybinette, Noak V., Wilmington, Del., assignor to Hybinette Patents Corporation, Jackson, Mich. Plastic heat-treated aluminum alloy. 1,785,774; Dec. 23.
- Hybinette Patents Corporation. (See Hybinette, Noak V., assignor.)
- Hyde, Albert J., Portland, Oreg. Egg rack. 1,754,020; Apr. 8.
- Hyde, Elbert L., Shaker Heights, Ohio. Exercising machine. 1,784,289; Dec. 9.
- Hyde, Francis S., assignor to Scoville Manufacturing Company, Waterbury, Conn. Beverage mixer. 1,748,483; Feb. 25.
- Hyde, Howard A. (See Hendrix, William R., assignor.)
- Hyde, Louis B., Detroit, Mich. Hot-water heater. 1,780,426; Nov. 4.
- Hyde, Park B., Oakland, Calif., assignor to National Railway Signal Company, Reno, Nev. Railway signaling system. 1,779,672; Oct. 28.
- Hyde, Ralph E., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Stamped diestock. 1,783,964; Dec. 9.
- Hyde, Ralph E., Cleveland, and D. Schappi, Lakewood, assignors to The Oster Manufacturing Company, Cleveland, Ohio. Machine for cutting off pipes and the like. 1,753,704; Apr. 8.
- Hyde, Ralph E., assignor to The Oster Mfg. Company, Cleveland, Ohio. Diestock. 1,784,099; Dec. 9.
- Hyde, Reed W., Summit, N. J. Preparing aluminothermic mixture. 1,751,550; Mar. 25.
- Hyde, Reed W., Summit, N. J., assignor to Dwight and Lloyd Metallurgical Company, New York, N. Y. Cement manufacture. 1,746,944; Feb. 11.
- Hyde, Reed W., Summit, N. J., assignor to Dwight and Lloyd Metallurgical Company, New York, N. Y. Recovering metals. 1,746,945; Feb. 11.
- Hydraulic Brake Company. (See Houghead, M., and Loweke, assignors.)
- Hydraulic Brake Company. (See Loughhead, Malcolm, assignor.)
- Hydraulic Press Manufacturing Company. (See Ernst, Walter, assignor.)
- Hydraulic Press Manufacturing Company. (See Hubbert, Leslie S., assignor.)
- Hydraulic Press Manufacturing Company, The. (See Hubbert, Leslie S., assignor.)
- Hydro-Check Corporation, The. (See Ackerman, E. W., and Nicholson, assignors.)
- Hydrogenating Process Corporation. (See Wade, Henry C., assignor.)
- Hydro-Oil Fire Corporation. (See Teale, W., and McLauthlin, assignors.)
- Hydro Thermal Oil Renovator Co., The. (See Kimball, Simeon C., assignor.)
- Hygienol Co. Inc., The. (See Raynor, Louis L., assignor.)
- Hyland, Charles I. (See Gray, Hubert M., assignor.)
- Hyland, George E. (See Stanford, F. G., and Glaze, assignors.)
- Hyland, George H. (See Glaze, H. L., assignor, and Stanford.)
- Hyland, George H. (See Stanford, F. G., and Baker, assignor.)
- Hyland, John L., New York, N. Y. Bulkhead door. 1,743,673; Jan. 14.
- Hyland Stanford Company, The. (See Stanford, F. G., and Glaze, assignors.)
- Hyle, Jacob A. (See Barili, A. E. H., and Hyle.)
- Hyle, Jacob A., and E. R. Swanson, Los Angeles, Calif. Railway joint lock. 1,747,977; Feb. 18.
- Hylton, Cecil H., Bourne End, England. Automobile vehicle. 1,743,892; Jan. 14.
- Hyman, Daniel N., Detroit, Mich. Cover for buses. 1,784,356; Dec. 9.

- Hyman, Daniel N., Detroit, Mich., assignor to Hyman Register Corporation, Buffalo, N. Y. Fare register. 1,781,462; Nov. 11.
- Hyman, Henry. (See Muldoon, Bernard F., assignor.)
- Hyman, Henry. (See Rothenberg, H., and Henken, assignors.)
- Hyman Register Corporation. (See Hyman, Daniel N., assignor.)
- Hymans, Frederick, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. Y. Control system for elevators. 1,771,458; July 29.
- Hymans, Frederick, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Control system. 1,771,459; July 29.
- Hynes, Francis W., Springfield, Mass. Game device. 1,752,089; Mar. 25.
- Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Car-door operation. 1,760,062; May 27.
- Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric door-operating mechanism. 1,760,063; May 27.
- Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Safety device for electric heaters. 1,760,064; May 27.
- Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric heater. 1,760,065; May 27.
- Hynes, William J. (See McAndrew, Andrew, assignor.)
- Hynson, Westcott & Dunning, Inc. (See Dunning, Fitzgerald, assignor.)
- Hynson, Westcott & Dunning, Inc. (See Harden, Wilton C., assignor.)
- Hynson, Westcott & Dunning, Inc. (See Twiss, Daniel, assignor.)
- Hyzer, William C. (See Hayashi, A. T., and Hyzer.)
- I C A, Aktiengesellschaft. (See Fischer, Otto, assignor.)
- I C A, Aktiengesellschaft. (See Goldberg, Emanuel, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Balz, O., and Reuscher, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Beck, A., and Siebel, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Becker, Franz, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Becker, F., Heilmann, and Bayerl, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Bögemann, M., and Friedrich, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Burkhardt, Georg W., assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Bürgin, E., and Schmid, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Daimer, K., and Balle, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Dehncl, Erich, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Dörr, Eduard, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Eisemann, K., and Bergmann, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Eisenhut, Otto, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Eller, W., and Mollung, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Engelhardt, Alfred, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Engelhardt, R., and Lommel, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Ernst, O., and Lange, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Fleischmann, H., and Jordan, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Frankenburger, W., and Steigerwald, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Franz, Arthur, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Franzen, H., and Luther, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Gaus, Wilhelm, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Genth, Wilfried, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Gmelin, P., and Eisenhut, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Griessbach, R., and Eisele, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Griessbach, R., Schliephake, and Hensler, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Günther, Fritz, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Haak, Bodo, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hahnenkamm, W., and Berger, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hartmann, B., Harbmann, and Kummel, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Henglein, Friedrich A., assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Heinze, Ernst, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Herold, P., and Langheinrich, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hildebrand, Willy, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hilger, Josef, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hofmann, Fritz, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Homolka, Beuno, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hubert, E., Lock, and Leuchs, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Hubert, E., Röst-Grande, and Correns, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Jordan, Otto, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Jordan, O., and Kraemer, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kaufmann, H. P., and Schubert, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Klingemann, F., Lommel, Korten, and Goost, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Knorr, Angelo, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kränzlein, G., Müller, Brunnträger, and Janz, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Langheinrich, Hellmuth, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Lappe, F., Koch, Pier, and Sauer, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Laux, Julius, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Lecher, H., and Zieser, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Lenz, Wilhelm, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Leuchs, Otto, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Lindner, Felix, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Lindner, F., and Link, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Lochr, Oskar, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Lommel, W., Münzel, Hentrich, and Hardtmann, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Beller, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Lützow, Artur, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Marburg, Eduard C., assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Marx, K., Behncke, and Brodersen, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Mayer, F., Billig, Horst, and Schirmacher, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Meiser, Wilhelm, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Meyer, K. H., Müller, and Hoffmann, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Michel, Richard, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., and Frankenburger, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., and Müller, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., and Müller-Cunradi, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., Müller, and Linckh, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., Müller, and Schubardt, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Müller, C., and Schubardt, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Müller-Cunradi, M., and Wilke, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Müller, J., and Hoffman, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Nicolai, Fritz, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Nitzschke, O., and Noack, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Müller-Cunradi, Wietzel, and Winkler, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Pungs, Wilhelm, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., and Frese, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., and Jahrestorfer, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, Walter, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Richter, Erich, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Richter, E., and Becker, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Rosenthal, L., and Kropp, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schepss, W., Tietze, and Ossenbeck, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, Leo, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schlosser, F., and Paquin, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, Albrecht, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, O., Seydel, and Meyer, assignors.)

- I. G. Farbenindustrie Aktiengesellschaft. (See Schrauth, Walther, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schultze, Hermann S., assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schuster, K., and Hopff, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schwaebel, G., and Schleicher, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schwalbe, C. G., and Wenzl, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Siedler, P. C. H., and Schulte, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Siedler, P., and Moeller, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Specketer, H., and Henschel, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Staib, Karl, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Stoewener, Fritz, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Stoewener, F., and Münzing, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Suchy, Robert, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Thauss, A., Doser, and Mauthe, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Tschunkur, E., and Klamroth, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See von Staden, H. A., and Hoehn, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See von Staden, H. A., Berenbruch, and Höhn, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wagner, Heinrich, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wahl, H., and Fischer, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, Gustav, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, G., Jannek, and Fried, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, Rudolf, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, R., and Willfroth, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Winkler, Fritz, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wohl, Alfred, assignor.)
- Iago, Arthur F. (See Nunwick, A. C., Iago, and Hunter.)
- Ice Cream Cone Machinery Inc. (See Schroeder, C., and Tatosian, assignors.)
- Ice Cream Cone Machinery Inc. (See Tatosian, Harry G., assignor.)
- Ice Cream Smack Corporation. (See Baier, Ludwig S., assignor.)
- Ice Cream Smack Corporation. (See Myers, W. R., and Opitz, assignors.)
- Ice Cream Smack Corporation. (See Myers, Wilson R., assignor.)
- Iehilson, Wolf, et al. (See Brandl, H., and Goldberger, assignors.)
- Ichter, John H., Ashley, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 1,746,354; Feb. 11.
- Ickenroth, Theodore H., Lomita Park, Calif. Oil burner. 1,779,167; Oct. 21.
- Icre, Jean B., New York, N. Y. Vehicle fender and brake. 1,771,790; July 29.
- Icre, Jean B., New York, N. Y. Craft adapted to travel on land or water or in the air. 1,780,298; Nov. 4.
- Iddings, Roscoe C., assignor to The Fry-Fyter Company, Dayton, Ohio. Dispensing device. 1,768,909; July 1.
- Ideal Electric & Manufacturing Company, The. (See Schou, Theodor, assignor.)
- Ide, Harry H., assignor, by mesne assignments, to American Electric Company, Inc., Chicago, Ill. Manual key. 1,778,529; Oct. 14.
- Ide, Walter D., Piqua, Ohio, assignor to B. V. D. Company, Inc., Baltimore, Md. Bathing suit. 1,783,174; Dec. 2.
- Ideal Aeroplane & Supply Co. (See Kramer, William, assignor.)
- Ideal Electric & Manufacturing Co., The. (See Schou, Theodor, assignor.)
- Ideal Engineering Specialty Company. (See Taffe, Leo T., assignor.)
- Ideal Filter Co. (See Jennings, William B., assignor.)
- Ideal Ice Vending Machine Company. (See Brodhead, Everett D., assignor.)
- Ideal Lighting Novelty Co. (See Brettler, Harry, assignor.)
- Ideal Lighting Novelty Co. (See Scheler, Armin, assignor.)
- Ideal Lubricator Company. (See Culp, John F., assignor.)
- Ideal Novelty & Toy Co. (See Rommer, Isaac A., assignor.)
- Ideal Tooth, Inc. (See Floyd, William M., assignor.)
- Idel, Hermann, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Pilgering rolling mill. 1,760,757; May 27.
- Iden, Max, Altona, Germany. Pleasure buoy for seaside resorts. 1,786,658; Dec. 30.
- Ideus, Siebend H., Beatrice, Nebr. Mud scraper. 1,757,771; May 6.
- Idonas, Angeles, Orange, and J. C. Potter, West Orange, N. J. Coffee roaster. 1,764,872; June 17.
- Ignatieff, Alexander, Moscow, Russia. Self-sharpening cutting instrument. 1,769,222; July 1.
- Ignition Manufacturing Company, The. (See Daubenspeck, William J., assignor.)
- Igou, Dennis T., Springfield, Ohio. Candy-cutting machine. 1,756,750; Apr. 29.
- Igou, Samuel C., St. Louis, Mo. Transmission. 1,754,953; Apr. 15.
- Ihrig, Harry K., Berkeley, Calif. Oil composition. 1,768,910; July 1.
- Iida, Masanac, near Tacoma, Wash. Rail plate. 1,745,763; Feb. 4.
- Iizuka, Bumpachi, San Mateo, Calif. Match scratcher. 1,766,295; June 24.
- Iizuka, Bumpachi, San Mateo, Calif. Ash-tray structure. 1,780,591; Nov. 4.
- Ijams, Harry P., Knoxville, Tenn. Bird box. 1,748,349; Feb. 25.
- "Ikarus" Internationale Patent-verwertungs A. G. (See Hugershoff, Reinhard, assignor.)
- Ikarus Internationale Patentverwertungs-Aktien-Gesellschaft. (See Hugershoff, Reinhard, assignor.)
- Ike, Lester E., Plainview, Nebr. Automobile bed. 1,744,701; Jan. 21.
- Ike, Lester E., Plainview, Nebr., A. Langren, D. Hutson, Le Mars, and L. H. Latta, Sioux City, Iowa. Windshield screen. 1,759,311; May 20.
- Ikelheimer, Irwin M., Freeport, N. Y. Card holder. 1,747,077; Feb. 11.
- Ileman, Emil A., assignor, by mesne assignments, to Consolidated Ashcraft Hancock Company, Inc., New York, N. Y. Pressure gauge. 1,763,354; June 10.
- Ileman, Emil A., assignor, by mesne assignments, to Consolidated Ashcraft Hancock Company, Inc., New York, N. Y. Pressure gauge. 1,766,997; June 24.
- Ilg Electric Ventilating Company. (See Breidert, George C., assignor.)
- Ilg Electric Ventilating Co. (See Wilson, John, assignor.)
- Ilg, Robert A., Chicago, Ill. Furnace. 1,772,896; Aug. 12.
- Ilgentriz, Lester M., New Rochelle, N. Y., assignor to American Telephone and Telegraph Company. Equalization of carrier systems. 1,743,141; Jan. 14.
- Ilig, Kurt. (See Engelhardt, V., and Ilig.)
- Illingworth Carbonization Company, The. (See Illingworth, Stewart R., assignor.)
- Illingworth, George, Cleveland, Ohio, assignor to General Electric Company. Coiling machine for fine wire. 1,771,927; July 29.
- Illingworth, Stewart R., Cardiff, Wales, assignor to The Illingworth Carbonization Company, Limited, Manchester, England. Apparatus for the manufacture of carbonized fuel. Re17,572; Jan. 28.
- Illinois Carton & Label Company. (See Johnson, Norman O., assignor.)
- Illinois Engineering Company. (See Whittington, William P., assignor.)
- Illinois Glass Company. (See Lufkin, Garland, assignor.)
- Illinois Pacific Glass Corporation. (See Mathieson, Holger T., assignor.)
- Illinois Piston and Ring Company. (See Baker, William S., assignor.)
- Illinois Stoker Company. (See Polster, John P., assignor.)
- Illinois Tool Works. (See Olson, Carl G., assignor.)
- Illinois Watch Case Company. (See Lester, William H., assignor.)
- Illinois Watch Case Company. (See Lyons, Daniel P., assignor.)
- Illinois Watch Case Company. (See Wakefield, Frank E., assignor.)
- Illinois Watch Case Company. (See Wittman, Edward J., assignor.)
- Illy, Simon M. (See Reisenfeld, Leon A., assignor.)
- Imfeld, Joseph M., Newark, N. J. assignor to Otto Bernz Co. Inc., Alcohol torch. 1,772,254; Aug. 5.
- Olson, Edward L., Patchogue, N. Y. Store front. Des. 81,008; Apr. 22.
- Ison, Edward L., Patchogue, N. Y. Ornamental metallic log combination for building construction. 1,758,046; May 13.
- "Itra" Alti Forni Fonderie & Acciaierie d'Italia. (See Aureli, Aurelio, assignor.)
- Imai, Seichiro. (See Urano, S., and Imai.)
- Imbach, Siegfried, Dresden, Germany. Dress shield. 1,765,725; June 24.
- Imbery, Arthur, Halifax, England, assignor to Global Corporation, Niagara Falls, N. Y. Electric furnace. 1,784,670; Dec. 9.
- Imerman, Stanley. (See Schlitters, M. J., jr., and Imerman.)
- Imerman, Stanley, Detroit, Mich. Compressible packing. 1,784,899; Dec. 16.
- Imersheim, Matthias, Far Rockaway, N. Y., assignor to Fairy Brassiere Co., Inc. Bust supporter. 1,748,715; Feb. 25.
- Imhoff, Arthur B., et al. (See Bagge, Walter, assignor.)
- Imhoff, Karl, Essen, Germany. Aeration tank with submerged contact aerators. 1,743,550; Jan. 14.
- Iming, Hans H., Mosinee, Wis. Control device for automobile heaters. 1,779,472; Oct. 28.

- Imlach, John S., Ottawa, Ontario, Canada. Device for removing wheels or other elements from their bearings. 1,782,303; Nov. 18.
- Imler, Marvin C., Malheur County, Oreg. Shipping crate for small animals. 1,784,187; Dec. 9.
- Impactograph Corporation. (See Baskerville, John B., assignor.)
- Impellitteri, Antonio, New London, Conn. Nonrefillable bottle. 1,755,783; Apr. 22.
- Imperial Brass Manufacturing Company, The. (See Dobrick, August C., assignor.)
- Imperial Brass Manufacturing Company, The. (See Dorsey, Parmer, assignor.)
- Imperial Chemical Industries Limited. (See Bramwell, Francis H., assignor.)
- Imperial Chemical Industries Limited. (See Chapman, E., and Hill, assignors.)
- Imperial Chemical Industries Limited. (See Franklin, Reginald G., assignors.)
- Imperial Chemical Industries Limited. (See Gibson, W., Hallwood, Payman, and Shepherdson, assignors.)
- Imperial Chemical Industries Limited. (See Gibson, W., and Henshaw, assignors.)
- Imperial Chemical Industries Limited. (See Gibson, W., and Payman, assignors.)
- Imperial Chemical Industries Limited. (See Gibson, W., Henshaw, and Payman, assignors.)
- Imperial Chemical Industries Limited. (See Hollins, Jack, assignor.)
- Imperial Chemical Industries Limited. (See Hollins, J., and Jepson, assignors.)
- Imperial Chemical Industries, Limited. (See Horsley, George F., assignor.)
- Imperial Chemical Industries Limited. (See Moore, J. W., and Polack, assignors.)
- Imperial Chemical Industries Limited. (See Pope, R. W., and Wyler, assignors.)
- Imperial Chemical Industries Limited. (See Rowell, S. W., and Hirst, assignors.)
- Imperial Chemical Industries Limited. (See Smith, Frank Gustave D., assignor.)
- Imperial Chemical Industries Limited. (See Speight, Eric A., assignor.)
- Imperial Lamp Mfg. Co. (See Waltman, Chauncey E.)
- Imperial Chemical Industries Limited. (See Warren, Thomas R., assignor.)
- Imperial Chemical Industries, Limited. (See Wyler, Max., assignor.)
- Imperial Oscillating Valve Company. (See Gamache, Joseph, assignor.)
- Imperial Typewriter Company Limited. (See Pateman, Arthur, assignor.)
- Improved Equipment Company. (See Niles, Glenn H., assignor.)
- Improved Paper Machinery Corporation. (See Reed, H. J., and Spafford, assignors.)
- Inaba, Isamu, Mukogun, Hyogo-Ken, Japan. Switch. 1,748,881; Feb. 25.
- Inco, Francis S., Los Angeles, Calif. Automatically-stabilized folding bed. 1,749,382; Mar. 4.
- Independence Coffee and Spice Company. (See Savageau, Fred L., assignor.)
- Independent Die & Supply Co. (See Cadenbach, Christian A., assignor.)
- Independent Oil Well Cementing Co. (See Trouth, John E., assignor.)
- Independent Pneumatic Tool Company. (See Levedahl, Axel, assignor.)
- Independent Pneumatic Tool Company. (See Levedahl, A., and Norling, assignors.)
- Independent Pneumatic Tool Company. (See Norling, Reinhold A., assignor.)
- Indestructible Pearl Bead Makers, Inc. (See Rubenstein, E., assignor.)
- India Machine & Rubber Mold Company, The. (See Williams, George T., assignor.)
- India Rubber Gutta Percha & Telegraph Works Company Limited. (See Perry, William J., assignor.)
- Indian Motorcycle Company. (See Bauer, C. A., and Gustafson, assignors.)
- Indian Motorcycle Co. (See Franklin, Charles B., assignor.)
- Indiana Brass Company. (See Williams, C. E., and Johnson, assignors.)
- Indiana Fibre Products Company. (See Simmons, Paul R., assignor.)
- Indiana Lamp Corporation. (See Albright, Edward C., assignor.)
- Indiana Lamp Corporation. (See Foster, Harry C., assignor.)
- Indiana Lamp Corporation. (See Hyatt, Samuel W., assignor.)
- Indiana Lamp Corporation. (See Neuner, Frederick W. C., assignor.)
- Indianapolis Pump & Tube Company. (See Noblitt, Quentin G., assignor.)
- Individual Drinking Cup Company. (See Carew, Herman, assignor.)
- Individual Drinking Cup Company. (See Wessman, E. G., and Stone, assignors.)
- Industrial Associates, Incorporated. (See Jones, Arthur B., assignor.)
- Industrial Associates, Incorporated. (See Riley, Champlain L., assignor.)
- Industrial Associates, Incorporated. (See Spross, Hubert M., assignor.)
- Industrial Development & Manufacturing Corporation, et al. (See Anderson, Victor H., assignor.)
- Industrial Dryer Corporation, The. (See Harris, Gordon D., assignor.)
- Industrial Gas Engineering Company. (See Korb, Fred, assignor.)
- Industrial Gloves Corporation. (See Jensen, Karl E., assignor.)
- Industrial Machines Company. (See Dalrymple, Philip W., assignor.)
- Industrial Process Corporation. (See Minor, Henry R., assignor.)
- Industrial Research Corporation. (See Brockway, Carl P., assignor.)
- Industrial Research Corporation. (See Brockway, C. P., and Myers, assignors.)
- Industrial Research Corporation. (See Heany, John A., assignor.)
- Industrial Spray-Drying Corporation. (See Uhl, Ben F., assignor.)
- Industrial Technics Corporation. (See Arsem, William C., assignor.)
- Industrial Welded Alloys Inc. (See Maskrey, Alfred E., assignor.)
- Infelt, Orie. (See Morris, C., and Buck, assignors.)
- Inga Internationale Nahrungs- und Genussmittel Aktiengesellschaft. (See Staudinger, H., and Reichstein, assignors.)
- Ingalls, Henry A., Bakersfield, Calif. Road-surfacing machine. 1,784,691; Dec. 9.
- Ingalls, Ralph T. (See Rasmussen, Charles, assignor.)
- Ingalls Steel Products Company. (See Lucy, Thomas A., assignor.)
- Ingersoll, Howard L., Stamford, Conn. Locomotive. 1,760,139; May 27.
- Ingersoll Milling Machine Company, The. (See Caldwell, Harry J., assignor.)
- Ingersoll Milling Machine Company, The. (See Johnson, John R., assignor.)
- Ingersoll Milling Machine Company, The. (See Macrae, John M., assignor.)
- Ingersoll Milling Machine Company. (See Morgan, Everette K., assignor.)
- Ingersoll-Rand Company. (See Allen, Roy O., assignor.)
- Ingersoll-Rand Company. (See Armstrong, Lloyd Van H., assignor.)
- Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
- Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
- Ingersoll-Rand Company. (See Briggs, Arthur J., assignor.)
- Ingersoll-Rand Company. (See Buckley, E. L., and McAllister, assignors.)
- Ingersoll-Rand Company. (See Cousins, George T., assignor.)
- Ingersoll-Rand Company. (See Curtis, John C., assignor.)
- Ingersoll-Rand Company. (See Ditson, Jesse, assignor.)
- Ingersoll-Rand Company. (See Ditson, J., and Peters, assignors.)
- Ingersoll-Rand Company. (See Haight, Harry V., assignor.)
- Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
- Ingersoll-Rand Company. (See Hart, Dudley W., assignor.)
- Ingersoll-Rand Company. (See Huff, Leslie R., assignor.)
- Ingersoll-Rand Company. (See Hulshizer, George W., assignor.)
- Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
- Ingersoll-Rand Company. (See Jowett, James H., assignor.)
- Ingersoll-Rand Company. (See Kirgan, John F., assignor.)
- Ingersoll-Rand Company. (See Lear, Earl B., assignor.)
- Ingersoll-Rand Company. (See McAllister, Raymond C., assignor.)
- Ingersoll-Rand Company. (See Mack, Albert R., assignor.)
- Ingersoll-Rand Company. (See Metzgar, Chester W., assignor.)
- Ingersoll-Rand Company. (See Miller, Ralph, assignor.)
- Ingersoll-Rand Company. (See Mock, John F., assignor.)
- Ingersoll-Rand Company. (See Murphy, Thomas L., assignor.)
- Ingersoll-Rand Company. (See Neafie, Andrew J., assignor.)
- Ingersoll-Rand Company. (See Pancel, P. A., and Kirgan, assignors.)
- Ingersoll-Rand Company. (See Parkhill, Mortimer S., assignor.)
- Ingersoll-Rand Company. (See Peters, Arthur E., assignor.)
- Ingersoll-Rand Company et al. (See Rathbun, George J., assignor.)
- Ingersoll-Rand Company. (See Redfield, Snowden B., assignor.)
- Ingersoll-Rand Company. (See Redfield, S. B., and Naab, assignors.)
- Ingersoll-Rand Company. (See Rudlin, Frederick W., assignor.)
- Ingersoll-Rand Company. (See Simmons, Charles W., assignor.)
- Ingersoll-Rand Company. (See Smith, William A., jr., assignor.)
- Ingersoll-Rand Company. (See Smith, William A., sr., assignor.)

- Ingersoll-Rand Company. (See Smith, W. A., sr., and W. A., jr., assignors.)
- Ingersoll-Rand Company. (See Smith, W. A., sr., and Curtis, assignors.)
- Ingersoll-Rand Company. (See Smith, W. A., sr., Hulsbizer, and Fuehrer, assignors.)
- Ingersoll-Rand Company. (See Thomas, Floyd H., assignor.)
- Ingersoll-Rand Company. (See Tuttle, Grover G., assignor.)
- Ingersoll-Rand Company. (See Wallden, Osborne K. A., assignor.)
- Ingersoll-Rand Company. (See Wilhelm, Russell H., assignor.)
- Ingersoll-Rand Company. (See Zimmermann, William F., assignor.)
- Ingersoll, Robert H., deceased, New York, N. Y., C. S. Smith, Lansing, Mich., and F. C. Leubuscher, Essex Fells, N. J., executors, assignors to Robt. H. Ingersoll, Inc., New York, N. Y. Key case. 1,742,915; Jan. 7.
- Ingersoll, Robert H., deceased, New York, N. Y., C. S. Smith, Lansing, Mich., and F. C. Leubuscher, Essex Fells, N. J., executors, assignors to Robt. H. Ingersoll, Inc., New York, N. Y. Razor-blade stropper. 1,767,934; June 24.
- Ingersoll, Robert H., assignor to Robt. H. Ingersoll, Inc., New York, N. Y. Razor stropper. 1,782,352; Nov. 18.
- Ingersoll, Robert H., deceased, New York, N. Y., C. S. Smith, Lansing, Mich., and F. C. Leubuscher, Essex Fells, N. J., executor, assignors to Robt. H. Ingersoll, Inc., New York, N. Y. Razor-blade stropper. 1,782,351; Nov. 18.
- Ingersoll, Robt. H., Inc. (See Ingersoll, Robert H., assignor.)
- Ingersoll, Robt. H., Inc. (See Ingersoll, R. H., Smith, and Leubuscher, assignors.)
- Ingle, George W., Randolph County, Ind. Mowing thrasher. 1,744,898; Jan. 28.
- Ingle, Henry W. (See Westin, D. B., and Ingle.)
- Ingle, Henry W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Conveyor drive for glass-annealing leers. 1,764,791; June 17.
- Inglertight, Fay L. (See Morris, G. B., and Inglertight.)
- Ingleton, James W., Astoria, Oreg. Vaporizer for hydrocarbon engines. 1,749,029; Mar. 4.
- Ingleton, James W., Astoria, Oreg. Explosive-fuel-mixture generator for hydrocarbon engines. 1,749,030; Mar. 4.
- Ingleton, James W., Astoria, Oreg. Device for gasifying heavy oils. 1,749,031; Mar. 4.
- Ingleton, James W., Astoria, Oreg. Vaporizer for internal-combustion engines. 1,749,035; Mar. 4.
- Ingold, Carl F., Milwaukee, Wis. Catheter. 1,767,073; June 24.
- Ingoldby, Maurice K., assignor of one-half to The Variable Speed Gear Limited, Westminster, England. Variable-delivery pump. 1,748,606; Feb. 25.
- Ingoldby, Maurice K., Westminster, London, assignor to Internal Combustion Locomotives, Limited, Westminster, England. Locomotive. 1,786,304; Dec. 23.
- Ingraham, E., Co., The. (See Carlson, Eloy L., assignor.)
- Ingraham, E., Co., The. (See Large, W. J., and Simpson, assignors.)
- Ingraham, E., Co., The. (See Simpson, John O., assignor.)
- Ingraham, E., Company, The. (See Simpson, John O., assignor.)
- Ingraham, Harry A., Zillah, Wash. Fruit Cleaner. 1,757,308; May 6.
- Ingraham, Harry A., Zillah, Wash. Fruit-cleaning machine. 1,780,924; Nov. 11.
- Ingram, Beatrice S., administratrix. (See Schneible, Joseph.)
- Ingram, Benjamin L., and W. H. De Long, Menard, Ill. Window. 1,759,790; May 20.
- Ingram, William A., Jeffersonville, Ind., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Combined hip and kidney pad for football players. 1,756,358; Apr. 29.
- Ingram, William S., Philadelphia, Pa. Electrical heating means for aeroplane wings to prevent accumulation of ice and snow. 1,750,777; Mar. 18.
- Ingram, William S., Philadelphia, Pa. Aeroplane. 1,771,257; July 22.
- Ingrassia, Biagio. (See Cogito, J., and Ingrassia.)
- Ingrassia, Leon, Astoria, N. Y. Pad and associated tube forming means for permanent hair waving. 1,763,355; June 10.
- Ingrassia, Leon, Astoria, N. Y. Self-winder for hair curlers. 1,763,655; June 17.
- Ingwer, Carl H., Elyria, Ohio. Motor vehicle. 1,787,155; Dec. 30.
- Inhoffen, Walther. (See Wetzell, C., and Inhoffen.)
- Inland Manufacturing Company, The. (See Chilton, Ralph H., assignor.)
- Inland Manufacturing Company, The. (See Geyer, Harvey D., assignor.)
- Inland Manufacturing Company, The. (See Nellis, C. P., and Flower, assignors.)
- Inland-Stuart Linings, Inc. (See Stuart, Wallace A., assignor.)
- Inman, Harry A., Newark, N. Y. Dusting device. 1,757,528; May 6.
- Inman, Harry A., Newark, N. Y. Egg box. 1,767,797; June 24.
- Inman, Harry A., Newark, N. Y. Receptable. 1,773,678; Aug. 19.
- Inman, Ulysses A., Long Beach, Calif. Shock absorber. 1,782,725; Nov. 25.
- Inman, Walter A., and A. L. Brumund, Waukegan, Ill. Refrigeration apparatus. 1,765,674; June 24.
- Innes, George, Davenport, assignor to Innes Manufacturing Company, Bettendorf, Iowa. Grain-shocking mechanism. 1,783,241; Dec. 2.
- Innes, James E., Hyde Park, Mass. Lettering. 1,777,144; Sept. 30.
- Innes Manufacturing Company. (See Innes, George, assignor.)
- Innis, Merrill M., and O. S. Ward, Columbus, Ohio. Motor-vehicle brake mechanism. 1,781,843; Nov. 18.
- Innovation Engineering Co. (See Shriner, Robert L.)
- Inscoe, Emily W. (See Byrd, Guy W., assignor.)
- Insinger Company, The. (See Kauffmann, Frederick F., assignor.)
- Insley Manufacturing Company. (See Rasmussen, Alvin C., assignor.)
- Insolo Holding Company. (See Skolnik, Max, assignor.)
- Instant Freezer Corporation, The. (See Styberg, Ernest C., assignor.)
- Instant-Ice Corporation. (See Brown, John H., assignor.)
- Instant Ice Corporation. (See Kenyon, Oades J., assignor.)
- Instograph, Ltd. (See Dutton, C. S., Elaxander, and Derick, assignors.)
- Insul, Jack, Chicago, Ill. Vehicle brake. 1,767,761; June 24.
- Insulex Corporation. (See Nelson, William K., assignor.)
- Insulite Company, The. (See Ellis, George H., assignor.)
- Integrales et al. (See Soprani, Paul, assignor.)
- Intemann, William, Brooklyn, assignor to American Lithographic Company, Inc., New York, N. Y. Advertising sign. 1,781,283; Nov. 11.
- Intercontinental Rubber Company. (See Spence, David, assignor.)
- Interior Milling Company. (See Nylund, A. L., and Bode, assignor.)
- Internal Combustion Locomotives, Limited. (See Ingoldby, Maurice K., assignor.)
- International Acoustigraph Company. (See Foley, Earl H., assignor.)
- International Bitumenoil Corporation. (See Nilson, Lars G., assignor.)
- International Business Machines Corporation. (See Craig, Robert, assignor.)
- International Business Machines Corporation. (See Locke, Edward B., assignor.)
- International Business Machines Corporation. (See Mitendorf, William R., assignor.)
- International Business Machines Corporation. (See Peirce, John R., assignor.)
- International Cigar Machinery Company. (See Alm, Thure W., assignor.)
- International Cigar Machinery Company. (See Bronander, Wilhelm B., assignor.)
- International Cigar Machinery Company. (See Halstead, John F., assignor.)
- International Cigar Machinery Company. (See Lindblad, Charles V., assignor.)
- International Cigar Machinery Company. (See Snyder, George H., assignor.)
- International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)
- International Coal Carbonization Company. (See Cantiency, Georg, assignor.)
- International Coal Carbonization Company. (See Runge, Walter, assignor.)
- International Coal Carbonization Company. (See Runge, W., and Packard, assignors.)
- International Combustion Engineering Corporation. (See Adamson, Arthur V., assignor.)
- International Combustion Engineering Corporation. (See Carr, Hugh R., assignor.)
- International Combustion Engineering Corporation. (See Clendon, George W., assignor.)
- International Combustion Engineering Corporation. (See Coerper, Hans, assignor.)
- International Combustion Engineering Corporation. (See Cook, Walter M., assignor.)
- International Combustion Engineering Corporation. (See Crane, J. B., and Marshall, assignors.)
- International Combustion Engineering Corporation. (See Crites, Joe, assignor.)
- International Combustion Engineering Corporation. (See Cross, Bertram J., assignor.)
- International Combustion Engineering Corporation. (See Davidson, Philip, assignor.)
- International Combustion Engineering Corporation. (See Davidson, P., and Crites, assignors.)
- International Combustion Engineering Corporation. (See De Lorenzi, Otto, assignor.)
- International Combustion Engineering Corporation. (See Frisch, Martin, assignor.)
- International Combustion Engineering Corporation. (See Jackson, George P., assignor.)
- International Combustion Engineering Corporation. (See Jackson, G. P., Toensfeldt, and Steele, assignors.)
- International Combustion Engineering Corporation. (See Jacques, Stanley A., assignor.)
- International Combustion Engineering Corporation. (See Kreisinger, Henry, assignor.)

- International Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
- International Combustion Engineering Corporation. (See Marshall, Leonard J., assignor.)
- International Combustion Engineering Corporation. (See Mittendorf, Harvey C., assignor.)
- International Combustion Engineering Corporation. (See Moritz, Edwin P., assignor.)
- International Combustion Engineering Corporation. (See Morris, John, assignor.)
- International Combustion Engineering Corporation. (See Packard, Edwin A., assignor.)
- International Combustion Engineering Corporation. (See Reed, Carl S., assignor.)
- International Combustion Engineering Corporation. (See Rice, J. B., and Kruger, assignors.)
- International Combustion Engineering Corporation. (See Rosencrants, Fay H., assignor.)
- International Combustion Engineering Corporation. (See Runge, W., and Packard, assignors.)
- International Combustion Engineering Corporation. (See Rydmark, Josef, assignor.)
- International Combustion Engineering Corporation. (See Schwartz, Carl, assignor.)
- International Combustion Engineering Corporation. (See Van Brunt, John, assignor.)
- International Combustion Engineering Corporation. (See Wiebe, Sigurd J. A., assignor.)
- International Combustion Engineering Corporation. (See Wood, Wilfred R., assignor.)
- International Combustion Engineering Corporation. (See Wray, John W., assignor.)
- International Derrick & Equipment Company, The. (See Bloss, Richard R., assignor.)
- International Derrick & Equipment Company. (See Bloss, R. R., and Creamer, assignors.)
- International Derrick & Equipment Company, The. (See Bloss, R. R., and Pfeil, assignors.)
- International Derrick & Equipment Company, The. (See Bloss, R. R., Maurer, and Creamer, assignors.)
- International Derrick & Equipment Company, The. (See Bloss, R. R., Steffen, and Creamer, assignors.)
- International Derrick & Equipment Company, The. (See Creamer, S. B., and Ansel, assignors.)
- International Derrick & Equipment Company. (See Pfeil, Roy C., assignor.)
- International Derrick & Equipment Company, The. (See Schuler, Charles E., assignor.)
- International Fibre Board, Limited. (See McDonald, Somerled J., assignor.)
- International Fireproof Products Corporation. (See Vivas, Fernando S., assignor.)
- International Footwear Co. Inc. (See Bernfeld, Samuel, assignor.)
- International Harvest Hat Co. (See Shlenker, Leon M., assignor.)
- International Harvester Company. (See Anderson, Nels G., assignor.)
- International Harvester Company. (See Barnes, William B., assignor.)
- International Harvester Company. (See Beall, William L., assignor.)
- International Harvester Company. (See Benjamin, Bert R., assignor.)
- International Harvester Company. (See Benjamin, B. R., and Pearson, assignors.)
- International Harvester Company. (See Blewett, Arthur R., assignor.)
- International Harvester Company. (See De Young, Christ, assignor.)
- International Harvester Company. (See Dwyer, William C., assignor.)
- International Harvester Company. (See Engstrom, Gustaf W., assignor.)
- International Harvester Company. (See Fisher, Henry L., assignor.)
- International Harvester Company. (See Graham, Michael J., assignor.)
- International Harvester Company. (See Graham, W. S., and Hipple, assignors.)
- International Harvester Company. (See Hipple, James L., assignor.)
- International Harvester Company. (See Hitchcock, Rex B., assignor.)
- International Harvester Company. (See Hodsdon, Floyd G., assignor.)
- International Harvester Company. (See Johnson, A. E. W., and Wessman, assignors.)
- International Harvester Company. (See Johnston, E. A., Baker, and Hagen, assignors.)
- International Harvester Company. (See Johnston, E. A., Benjamin, Baker, and Hagen, assignors.)
- International Harvester Company. (See Johnston, E. A., Merwin, and Watchek, assignors.)
- International Harvester Company. (See Kane, Paul, assignor.)
- International Harvester Company. (See Kipp, Roy H., assignor.)
- International Harvester Company. (See Koelplin, William F., assignor.)
- International Harvester Company. (See Kowalsky, Andrew, assignor.)
- International Harvester Company. (See Lindgren, Alexis C., assignor.)
- International Harvester Company. (See Lindgren, A. C., Benjamin, and Merwin, assignors.)
- International Harvester Company. (See London, Earl, assignor.)
- International Harvester Company. (See Maes, Robert E., assignor.)
- International Harvester Company. (See Pearson, Charles, assignor.)
- International Harvester Company. (See Peterson, Walter R., assignor.)
- International Harvester Company. (See Raney, C. R., and Johnson, assignors.)
- International Harvester Company. (See Raney, C. R., Merwin, and Watchek, assignors.)
- International Harvester Company. (See Robinson, Charles W., assignor.)
- International Harvester Company. (See Ronning, Andraan G. and A., assignors.)
- International Harvester Company. (See Sandstrom, Felix C., assignor.)
- International Harvester Company. (See Schoenrock, Otto R., assignor.)
- International Harvester Company. (See Small, Bernard F., assignor.)
- International Harvester Company. (See Smith, Ernest C., assignor.)
- International Harvester Company. (See Smith, D. W., and Webber, assignors.)
- International Harvester Company. (See Sperry, Leonard B., assignor.)
- International Harvester Company. (See Trial, Louis J., assignor.)
- International Harvester Company. (See Trotter, David K., assignor.)
- International Mailing Tube and Wrapper Company. (See Greve, Herman L., assignor.)
- International Merchandising Syndicate, Inc. (See Shero-ver, Max, assignor.)
- International Motor Company. (See Bohlen, Charles, jr., assignor.)
- International Motor Company. (See Britt, Benjamin H., assignor.)
- International Motor Company. (See Cowell, Robert F., assignor.)
- International Motor Company. (See Cowell, R. F., and Davis, assignors.)
- International Motor Company. (See Drumm, Charles F., jr., assignor.)
- International Motor Company. (See Duesler, George, assignor.)
- International Motor Company. (See Froesch, Charles, assignor.)
- International Motor Company. (See Hasselkus, William E. B., assignor.)
- International Motor Company. (See Hewitt, Edward R., assignor.)
- International Motor Company. (See Hewitt, E. R., and Jupp, assignors.)
- International Motor Company. (See Horine, Merrill C., assignor.)
- International Motor Company. (See Jansson, Axel, assignor.)
- International Motor Company. (See Josephs, Lyman C., jr., assignor.)
- International Motor Company. (See Jupp, William B., assignor.)
- International Motor Company. (See Jupp, W. B., and Anderson, assignors.)
- International Motor Company. (See Kohlberger, Frank, assignor.)
- International Motor Company. (See Leipert, August H., assignor.)
- International Motor Company. (See Manville, Keith R., assignor.)
- International Motor Company. (See Masury, Alfred F., assignor.)
- International Motor Company. (See Masury, A. F., Jupp, and Queeney, assignors.)
- International Motor Company. (See Matthews, Philip E., assignor.)
- International Motor Company. (See McCall, G., and Reid, assignors.)
- International Motor Company. (See McManus, Frank C., assignor.)
- International Motor Company. (See Queeney, Frank E., assignor.)
- International Motor Company. (See Reid, Josiah E., assignor.)
- International Motor Company. (See Schantz, Gordon M., assignor.)
- International Motor Company. (See Shields, Henry B., assignor.)
- International Motor Company. (See Traver, Harold G., assignor.)
- International Nickel Company, The. (See Harshaw, W. J., Savage, and Bezenberger, assignors.)
- International Nickel Company, The. (See Kayes, A. E., and Moehling, assignors.)
- International Nickel Company, The. (See Mudge, William A., assignor.)
- International Nickel Company, The. (See Shipley, G. B., and Alinder, assignors.)
- International Nickel Company, The. (See Siefert, W. C., and Pawel, assignors.)

International Oxygen Company. (See McKay, William F., assignor.)
 International Oxygen Company. (See Quelch, George C., assignor.)
 International Paper Box Machine Company, The. (See Goss, Harold J., assignor.)
 International Paper Company. (See Rhodes, Charles F., assignor.)
 International Paper Company. (See White, Ambrose H., assignor.)
 International Patent Corporation. (See Haglund, Ture R., assignor.)
 International Patents Development Company. (See Jeffries, Frederick L., assignor.)
 International Patents Development Company. (See Johnson, J. A., and Chalmers, assignors.)
 International Patents Development Company. (See Newkirk, William B., assignor.)
 International Pavement Company, The. (See Stuart, William B., assignor.)
 International Postal Supply Company. (See Pacher, Josef V., assignor.)
 International Postal Supply Company. (See Zahn, Lawrence J., assignor.)
 International Precipitation Company. (See Arras, Adam, assignor.)
 International Precipitation Company. (See Clyne, Cecil B., assignor.)
 International Precipitation Company. (See Deutsch, Walther, assignor.)
 International Precipitation Company. (See Jakosky, John J., assignor.)
 International Precipitation Company. (See Nättcher, A., and Seipp, assignors.)
 International Precipitation Company. (See Schmidt, Walter A., assignor.)
 International Precipitation Company. (See Seipp, Franz, assignor.)
 International Precipitation Company. (See Vlets, Floyd H., assignor.)
 International Precipitation Company. (See Welch, Harry V., assignor.)
 International Projector Corporation. (See Dina, Augusto, assignor.)
 International Projector Corporation. (See Frappier, L. S., and Boecking, assignors.)
 International Seal and Knot Protector Co., The. (See Dessauer, Norman, assignor.)
 International Seal and Knot Protector Co., The. (See Keidel, Frank, assignor.)
 International Shoe Company. (See Copeland, William A., assignor.)
 International Shoe Company. (See Elliott, Hugh F., assignor.)
 International Shoe Company. (See McCarthy, Robert F., assignor.)
 International Shoe Company. (See Parker, John A., assignor.)
 International Silver Company. (See Barousse, Ignacio C., assignor.)
 International Silver Company. (See Brown, Leslie A., assignor.)
 International Silver Company. (See Kintz, Alfred G., assignor.)
 International Silver Company. (See Leech, John, assignor.)
 International Silver Company. (See Theobald, Jean G., assignor.)
 International Spotlight Corporation. (See Sklarek, Clifford, assignor.)
 International Standard Electric Corporation. (See Clokey, Allison A., assignor.)
 International Standard Electric Corporation. (See Pockock, Lyndall C., assignor.)
 International Steel Tie Company, The. (See Day, William P., assignor.)
 International Taximeter Corporation. (See Costuma, J. A., Bauer, and Lovercheck, assignors.)
 International Time Recording Company of New York. (See Bryce, James W., assignor.)
 International Time Recording Company of New York. (See Geiger, Edward F., assignor.)
 International Time Recording Company of New York. (See Sturtevant, Vernon O., assignor.)
 International Time Recording Company of New York. (See Watson, Thomas J., assignor.)
 Internationale Siegwartbalkengesellschaft in Luzern. (See Zehnder, Paul, assignor.)
 Interstate Folding Box Company, The. (See Bergstein, Samuel, assignor.)
 Intertype Corporation. (See Freund, Herman R., assignor.)
 Intertype Corporation. (See Sperry, Arthur G., assignor.)
 Intertype Corporation. (See Sperry, Samuel E., assignor.)
 Intertype Corporation. (See Willis, Le Roy W., assignor.)
 Interwoven Mills, Inc., The. (See Diffenderfer, Charles W., assignor.)
 Inventia Patent-Verwertungs-Gesellschaft. (See Bilde, Tord, E. D., assignor.)
 Inventia Patent-Verwertungs-Gesellschaft. (See Engberg, A. O., and Bilde, assignors.)
 Inventia Patent-Verwertungs-Gesellschaft. (See Engberg, A. O., and Carlstedt, assignors.)

Inventia Patent-Verwertungs-Gesellschaft. (See Engberg, A. O., and Eriksson-Jons, assignors.)
 Inventia Patent-Verwertungs-Gesellschaft. (See Tandberg, John G., assignor.)
 Inventia Patent-Verwertungs-Gesellschaft. (See Wenner-Gren, Axel L., assignor.)
 Invention Engineering Corporation. (See Lyford, Robert E., assignor.)
 Invicta Writer Inc., The. (See Ward, Edward J., assignor.)
 Invincible Laundry Equipment Co. (See Bell, Daniel, assignor.)
 Invincible Laundry Equipment Company. (See Kalk, Albert C., assignor.)
 Inwald, Joseph, and I. Haskel, Brooklyn, N. Y., assignors to S. Haskel & Sons, Inc. Stone-polishing machine. 1,777,726; Oct. 7.
 Iochum, Maurice, Carcassonne, France. Receptacle for dispensing liquid, semiliquid, or pasty materials. 1,767,457; June 24.
 Iorio, Candido and F., Jamaica, N. Y. Accordion. 1,781,394; Nov. 11.
 Iorio, Frank. (See Iorio, Candido and F.)
 Iowa State College of Agricultural and Mechanical Arts. (See Sater, Lenore E., assignor.)
 Iowa State College of Agriculture and Mechanic Arts. (See Sweeney, Orland R., assignor.)
 Ipicjian, Aram, Athens, Greece. Invalid bed. 1,787,380; Dec. 30.
 Ipsen, Carl L., Schenectady, N. Y., assignor to General Electric Company. Electric furnace. 1,751,408; Mar. 18.
 Ipsen, Carl L., Schenectady, N. Y., assignor to General Electric Company. Uniting thick metal parts by electric welding. 1,771,961; July 29.
 Ipsen, Carl L., V. J. Chapman, and P. Klein, Schenectady, N. Y., assignors to General Electric Company. Welding machine. 1,776,731; Sept. 23.
 Ipsen, Henrik, Brooklyn, N. Y. Tray. 1,770,927; July 22.
 Ireland Aircraft, Inc. (See Brimm, Daniel J., jr., assignor.)
 Ireland, Ward S. (See Dennison, F. E., and Ireland.)
 Ireland, Ward S., assignor to National Refrigeration Corporation, Beloit, Wis. Valve. 1,763,927; June 17.
 Ireland, Ward S., assignor to National Refrigeration Corporation, Beloit, Wis. Scale trap. 1,771,042; July 22.
 Ireland, Ward S., assignor to National Refrigeration Corporation, Beloit, Wis. Valve member. 1,771,043; July 22.
 Irgens, Finn T., assignor to Outboard Motors Corporation, Milwaukee, Wis. Underwater exhaust mechanism. 1,785,089; Dec. 16.
 Irish, Charles F., Bratenahl, Ohio. Apparatus for plant culture. 1,755,445; Apr. 22.
 Irish, Charles F., Bratenahl, Ohio. Tree-transplanting device. 1,763,707; June 17.
 Irish, Charles F., Bratenahl, Ohio. Tree excavating and removing apparatus. 1,770,407; July 15.
 Irizarry, Plinio, Santurce, P. R. Safety switch for motor-operated vehicles. 1,787,381; Dec. 30.
 Iron Fireman Manufacturing Company. (See Carter, H. C., and Spieth, assignors.)
 Iron Fireman Manufacturing Company. (See Parker, Cyrus J., assignor.)
 Iron Fireman Manufacturing Company. (See Parker, C. J., Johnson, and Carter, assignors.)
 Irons, William A. (See Lemons, R. C., and Irons.)
 Ironside, James. (See Northrop, E. W., and Ironside.)
 Ironside, James, assignor, by mesne assignments, to Clayton & Lambert Manufacturing Co., Detroit, Mich. Combined starting and mixing chamber for liquid-fuel burners. 1,760,412; May 27.
 Ironside, James, assignor, by mesne assignments, to Clayton & Lambert Manufacturing Co., Detroit, Mich. Collapsible stand structure. 1,770,574; July 15.
 Irvin, Leslie L., assignor to Irving Airchute Company, Inc., Buffalo, N. Y. Parachute-rip-cord construction. 1,758,795; May 13.
 Irvin, William C., assignor to Yager Sheet Metal Company, Oakland, Calif. Bending machine. 1,759,053; May 20.
 Irvine, Andrew. (See Bateman, A. T., and Irvine.)
 Irvine, Frank S., Greenlawn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,742,916; Jan. 7.
 Irvine, Herschell R., Long Beach, Calif. Casing-centering device. 1,778,830; Oct. 21.
 Irving Air Chute Co. (See Adams, Herbert L., assignor.)
 Irving Airchute Company. (See Irvin, Leslie L., assignor.)
 Irving Airchute Company, Inc. (See Waite, George, assignor.)
 Irving, John S., and E. A. Green, assignors to The Hillman Motor Car Company Limited, Coventry, England. Automobile radiator cover. Des. 81,795; Aug. 12.
 Irving, William W., Charlotte, N. C. Bag holder and bag dispenser. 1,753,569; Apr. 8.
 Irwin, Carl C., Kirkwood, assignor to Ely & Walker Dry Goods Company, St. Louis, Mo. Merchandise-display cabinet. Des. 82,680; Dec. 2.
 Irwin, Charles L. (See Clay, H. C., and Irwin.)
 Irwin, David N., Detroit, Mich. Awning raising and lowering device. 1,749,218; Mar. 4.
 Irwin, E. B. (See Crowley, Thomas C., assignor.)

- Irwin, George H., Chicago, Ill. Gas-fired boiler. 1,772,046; Aug. 5.
- Irwin, George T., Toronto, Ontario, Canada. Locking device. 1,781,643; Nov. 11.
- Irwin, Herbert G., Amarillo, Tex. Feed valve for acetylene generators. 1,748,069; Feb. 25.
- Irwin, Herbert G., Amarillo, Tex. Acetylene generator. 1,763,890; June 17.
- Irwin, John. (See Monk, Reginald H., assignor.)
- Irwin, John. (See Monk, R. H., and Firing, assignors.)
- Irwin, William Y., jr. (See Bonney, R. D., and Irwin.)
- Isaacs, Edgar B., Mount Vernon, assignor to M. Lowenstein & Sons, Inc., New York, N. Y. Textile fabric. Des. 82,157; Sept. 30.
- Isaacson, Abraham, Los Angeles, Calif. Box label. 1,781,980; Nov. 18.
- Isaacson, Fred, and W. M. Caughlan, Denver, Colo. Switch-point lock. 1,785,630; Dec. 16.
- Isaacson, Oliver T., St. Cloud, Minn. Connecting rod. 1,755,650; Apr. 22.
- Isaacson, William O., Chicago, Ill. Cooking utensil. 1,783,792; Dec. 2.
- Isackson, Walter E., Renton, Wash. Auto light. 1,761,345; June 3.
- Isbell, Clementine, administratrix. (See Isbell, John F.)
- Isbell, Donald K., Mishawaka, Ind., assignor to Dodge Manufacturing Corporation. Bearing. 1,765,978; June 24.
- Isbell, Gordon R., Attalla, Ala. Calendar. 1,770,105; July 8.
- Isbell, Harry C., Chicago, Ill. Sling. 1,776,435; Sept. 23.
- Isbell, John A., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype matrix. 1,746,946; Feb. 11.
- Isbell, John A., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Drive for unit presses and folders. 1,749,346; Mar. 4.
- Isbell, John A., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Water-cooled plate-finishing machine. 1,750,406; Mar. 11.
- Isbell, John A., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Separable casting box for stereotype printing plates. 1,753,419; Apr. 8.
- Isbell, John F., deceased, Alhambra; C. Isbell, administratrix, assignor of one-half to O. Q. Beckwith, Los Angeles, Calif. Screen separator. 1,744,899; Jan. 28.
- Isbell, Loran, Little York, N. Y. Tractor snowplow. 1,745,540; Feb. 4.
- Ischinger, Alfred E., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 81,444; June 24.
- Ischinger, Alfred E., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 81,445; June 24.
- Ischinger, Alfred E., Reading, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 81,585; July 15.
- Ischinger, Alfred E., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 81,649; July 22.
- Ischinger, Alfred E., Reading, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 81,650; July 22.
- Ischinger, Alfred E., Philadelphia, Pa. Check writer. 1,766,640; June 24.
- Iselin, Charles A., Fulton, assignor of one-half to E. Iselin, Syracuse; N. Y. Self-adjusting wrist pin. 1,754,753; Apr. 15.
- Iselin, Erving. (See Iselin, Charles A., assignor.)
- Iseman, Isaac, Washington, D. C., assignor, by mesne assignments, of one-half, to S. S. Weisberg, Washington, D. C. Coupling device. 1,772,395; Aug. 5.
- Isenberg, David, Miami, Fla. Paint. 1,757,864; May 6.
- Isenberg, Hans O. C., New Rochelle, assignor to General Chemical Company, New York, N. Y. Multistage converter. 1,747,634; Feb. 18.
- Isenberg, Rudolf A. (See Henderson, W. W., and Isenberg.)
- Isenman, George A., assignor to Automatic Floor Waxing Machine Corporation, Malden, Mass. Waxing and polishing machine. 1,769,293; July 1.
- Isgur, Louis, Roxbury, Boston, Mass. Skylight. 1,752,002; Mar. 25.
- Isham, Robert M. (See Born, S., and Isham.)
- Isham, Robert M., Okmulgee, and S. Born, Tulsa, Okla., assignors, by mesne assignments, to Seth B. Hunt, trustee, Mount Kisco, N. Y. Producing alkyl sulphates. 1,744,164; Jan. 21.
- Isham, Robert M., Okmulgee, Okla., assignor, by mesne assignments, to Seth B. Hunt, trustee, Mount Kisco, N. Y. Production of dialkyl sulphates. 1,744,227; Jan. 21.
- Ishibashi, Shojiro, Kurume, Fukuoka Ken, Japan. Shoe or boot for laborers. 1,757,575; May 6.
- Ishisaka, Sansaku, Takasaki, Japan. Apparatus for electroplating. 1,771,680; July 29.
- Isler, Samuel. (See Barone, S. A., and Isler.)
- Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Control and reversal of regenerative furnaces. 1,762,299; June 10.
- Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Reversing and controlling apparatus for regenerative heating furnaces. 1,762,300; June 10.
- Isliker, Albert, Geneva, Switzerland, assignor to The Ajax Metal Company, Philadelphia, Pa. Electric-furnace process and apparatus. 1,769,223; July 1.
- Isom, Edward W. (See Bell, J. E., and Isom.)
- Isom, Edward W. (See Herthel, E. C., and Isom.)
- Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,753,432; Apr. 8.
- Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,762,229; June 10.
- Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Distillation of oil. 1,771,409; July 29.
- Isom, Edward W., Scarsdale, N. Y., and E. C. Herthel, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,774,600; Sept. 2.
- Isom, Edward W., Scarsdale, N. Y., and E. C. Herthel, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,774,601; Sept. 2.
- Isom, Edward W., Scarsdale, N. Y., and E. C. Herthel, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,774,602; Sept. 2.
- Isom, Edward W., Scarsdale, N. Y., and B. Phillips, East Chicago, Ind., assignors to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,786,493; Dec. 30.
- Isom, Walter L., Crowslanding, assignor of forty percent to E. Lisota, San Francisco, Calif. Automatic landing control for aeroplanes. 1,779,168; Oct. 21.
- Isono, Gunji, Hamadera-Cho, Senhoku-Gun, Osaka, Japan. Track bumper. 1,745,014; Jan. 28.
- Isothermos Corporation of America. (See Baur, Max F., assignor.)
- Israel, Eli, assignor of one-half to R. Israel, Wilkes-Barre, Pa. Lamp holder for miners' caps. 1,768,201; June 24.
- Israel, Henry H., Lansford, and G. Trussa, Nesquehoning, Pa. Coal-handling apparatus. 1,783,619; Dec. 2.
- Israel, Ralph. (See Israel, Eli, assignor.)
- Israel, Richard B. (See Lundborg, G. L., and Israel.)
- Israel, Sidney, Houston, Tex. X-ray centering device. 1,753,151; Apr. 1.
- Israelson, Fritz, Stockholm, Sweden. Straight-frame knitting machine. 1,780,975; Nov. 11.
- Italian-American Motors Inc. (See Arrighi, Pietro, assignor.)
- Ittig, George P., assignor to Blackstone Silver Company, Incorporated, Bridgeport, Conn. Carafe. Des. 80,316; Jan. 14.
- Ittig, George P., assignor to Blackstone Silver Company, Incorporated, Bridgeport, Conn. Carafe. Des. 80,317; Jan. 14.
- Ittig, George P., assignor to Blackstone Silver Company, Inc., Bridgeport, Conn. Spoon or similar article. Des. 80,762; Mar. 18.
- Ittig, George P., assignor to Blackstone Silver Company, Incorporated, Bridgeport, Conn. Spoon or similar article. Des. 81,241; May 27.
- Ittig, George P., assignor to Blackstone Silver Company, Incorporated, Bridgeport, Conn. Metal border strip. Des. 81,335; June 10.
- Itzi, Peter, Philadelphia, Pa. Electric cooker. 1,786,345; Dec. 23.
- Ivandick, Mathew G., assignor to F. Hardinge, Chicago, Ill. Circuit closure. 1,769,517; July 1.
- Iversen, Lorenz, Pittsburgh, Pa. Rotary shears. 1,749,430; Mar. 4.
- Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Rolling mill. 1,776,436; Sept. 23.
- Iversen, Poul A. S., Copenhagen, Denmark. Motor-vehicle brake. 1,754,858; Apr. 15.
- Iversen, Poul A. S., Copenhagen, Denmark. Pump. 1,760,237; May 27.
- Iversen, Poul A. S., assignor to A. M. A. von Kauffman, Copenhagen, Denmark. Device for converting a reciprocating or oscillating motion into a rotary motion. 1,774,888; Sept. 2.
- Iverson, Andrew, Seattle, Wash. Marine salvaging device. 1,746,479; Feb. 11.
- Ives, Charles A., Erie, Pa., assignor to General Electric Company. Brake system. 1,756,922; Apr. 29.
- Ives, Charles A., Lawrence Park, Pa., assignor to General Electric Company. Air-brake system. 1,783,043; Nov. 25.
- Ives, Charles A., and G. Macloskle, Erie, Pa., assignors to General Electric Company. Brake system. 1,756,921; Apr. 29.
- Ives, Charles Q., assignor to Brown Company, Berlin, N. H. Testing the dryness of fibrous material. 1,744,120; Jan. 21.
- Ives Corporation, The. (See Galligan, John T., assignor.)
- Ives Corporation, The. (See Ives, Harry C., assignor.)
- Ives Corporation, The. (See Thorn, William E., assignor.)
- Ives, Harry C., assignor, by mesne assignments, to The Ives Corporation, Bridgeport, Conn. Electric connector for toy train tracks. 1,782,991; Nov. 25.
- Ivey, Henry B., Goldsboro, N. C. Vanity case. 1,782,726; Nov. 25.
- Ives, Herbert E., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Colored-picture transmission. 1,742,543; Jan. 7.

- Ives, Herbert E., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Picture transmission. 1,743,856; Jan. 14.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 1,746,729; Feb. 11.
- Ives, Jesse E., Danbury, Conn. Presser-foot welt gauge. 1,760,500; May 27.
- Ives Manufacturing Corporation, The. (See Thorn, William E., assignor.)
- Ives, Willis H., Owego, N. Y. Windshield-wiper blade. 1,756,751; Apr. 29.
- Ivey, Minnie M., Valdosta, Ga. Doll. 1,154,558; Apr. 15.
- Ivory, Merce, and T. W. Alfred, Nephi, Utah. Urinal. 1,767,240; June 24.
- Iwan, Paul, Chicago, Ill. Knitted cap. Des. 80,730; Mar. 18.
- Iwanowitz, Carl H., Souderton, Pa. Aircraft. 1,785,775; Dec. 23.
- Izawa, Riichiro, Kyoto, Japan. Device for pointing bristles of brushes. 1,746,593; Feb. 11.
- Iznaga y Ruiz, Carmen, et al., heirs. (See de Castro e Iznaga, Sergio.)
- Izumi, Torazo, Tokyo, Japan. Device for manufacturing a tape having braid-like wrinkles or plaits from solidifiable viscous solution. 1,752,636; Apr. 1.
- Izzo, Frank, Huntington, W. Va. Safety device for pneumatic hammers. 1,766,296; June 24.
- J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag. (See Johnson, Carl, J. A., assignor.)
- J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag. (See Lifflander, Johan O., assignor.)
- J. F. S. Company. (See Jacobsen, Richard S., assignor.)
- Jabet, Arthur E. (See Gilbert, N. W., and Jabet.)
- Jablonsky, Bruno, Berlin, Germany. Automobile direction indicator. 1,751,637; Mar. 25.
- Jachens, John, San Francisco, Calif. Badge. 1,768,067; June 24.
- Jaciel Perfumers, Inc. (See Reys, W. W., and Baer, assignors.)
- Jack, Arthur C., Pittsburgh, Pa. Rail extension. 1,770,647; July 15.
- Jack, Clarence E., Newburgh, N. Y. Hydraulic brake. 1,756,904; Apr. 29.
- Jack, George B., jr. (See Seidell, L., and Jack.)
- Jack, John A., Letchworth, England. Process and apparatus for refining industrial metals in the molten state. 1,777,617; Oct. 7.
- Jacklin, Harold M., and C. P. Roberts: said Roberts assignor to said Jacklin, Columbus, Ohio. Method and apparatus for obtaining indicator diagrams. 1,781,013; Nov. 11.
- Jackman, Arthur J. (See Arensberg, F. L., and Jackman.)
- Jackman, Arthur J. (See Arensberg, F. L., Jackman, and Jones.)
- Jackman, Arthur J., Forest Hills Borough, and C. L. Jones, Pittsburgh, assignors to Vesuvius Crucible Company, Swissvale, Pa. Refractory brick. 1,775,396; Sept. 9.
- Jackman, Dean M., Kenil, N. J. Purifying explosives. 1,767,798; June 24.
- Jackman, Harold W. (See Harrington, Clarence L., assignor.)
- Jackman, John L., New York, N. Y. Household combination cutting machine. 1,755,446; Apr. 22.
- Jackmann, Otto, Sangerhausen, Germany. Soap box. 1,745,798; Feb. 4.
- Jackson, Albert C., Dayton, Ohio. Light filter for headlights. 1,747,635; Feb. 18.
- Jackson, Alfred F., assignor to Apco Mossberg Corporation, Attleboro, Mass. Cigar lighter. 1,756,013; Apr. 29.
- Jackson, Alfred F., assignor to Apco Mossberg Corporation, Attleboro, Mass. Carburetor control. 1,759,354; May 20.
- Jackson, Andrew, Binghamton, assignor of one-half to F. A. Haight, Johnson City, N. Y. Deflecting rim for boilers and washing machines. 1,780,192; Nov. 4.
- Jackson, Andrew O., Portland, Oreg. Burner for hard fuel. 1,766,641; June 24.
- Jackson Boilers Limited. (See Hargreaves, Harold, assignor.)
- Jackson, Byron Co. (See Adams, Robert, assignor.)
- Jackson, Byron, Co. (See Holdaway, William S., assignor.)
- Jackson, Byron, Co. (See Smith, Nelson K., assignor.)
- Jackson, Byron, Co. (See Woods, Walter T., assignor.)
- Jackson, Charles A., Ridgewood, N. J. Governor pressure system. 1,769,838; July 1.
- Jackson, Charles A., Ridgewood, N. J. Emergency lighting set. 1,774,603; Sept. 2.
- Jackson, Charles A., Ridgewood, N. J. Power-generating system. 1,777,850; Oct. 7.
- Jackson, Corwill, Chicago, Ill. Tamper and like impact tool. 1,747,939; Feb. 18.
- Jackson, Corwill, Chicago, Ill. Agitator for concrete molds. 1,751,087; Mar. 18.
- Jackson, Corwill, Chicago, Ill. Molding apparatus. 1,774,977; Sept. 2.
- Jackson, Corwill, Chicago, Ill. Tamper. 1,779,473; Oct. 28.
- Jackson, Corwill, Chicago, Ill. Tamper. 1,779,474; Oct. 28.
- Jackson, Edwin, Indianapolis, Ind. Hub structure for pneumatic wheels. 1,752,740; Apr. 1.
- Jackson, Edwin C. (See Driemeyer, G. F., and Jackson.)
- Jackson, Edwin C., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,773,898; Aug. 26.
- Jackson, Elvin R. (See Johnson, Joseph, assignor.)
- Jackson, Ernest A., Ely, Minn. Sign. 1,773,622; Aug. 19.
- Jackson, Florence M. (See Overshiner, Ellsworth B., assignor.)
- Jackson, Frederick W., Needles, Calif. Plug retainer. 1,749,287; Mar. 4.
- Jackson, George M., Chicago, Ill. Window shade. 1,766,905; June 24.
- Jackson, George P., Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler furnace. 1,762,335; June 10.
- Jackson, George P., Flushing, N. Y., assignor to International Combustion Engineering Corporation. Coal drier. 1,783,965; Dec. 9.
- Jackson, George P., K. Toensfeldt, Flushing, N. Y., and H. Steele, Newark, N. J., assignors to International Combustion Engineering Corporation, New York, N. Y. Economizer. 1,786,909; Dec. 30.
- Jackson, Harold E. (See Dowd, A. A., and Jackson.)
- Jackson, Henry O., Los Angeles, Calif. Rotary pump. 1,778,947; Oct. 21.
- Jackson, Herbert D., and F. White, Walsall, England. Skid chain for motor vehicles. 1,767,368; June 24.
- Jackson, James, Bakersfield, Calif. Incubator. 1,773,896; Aug. 26.
- Jackson, James G., Stevenston, Scotland, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Feeding apparatus for the delivery of receptacles to filling apparatus or the like. 1,773,781; Aug. 26.
- Jackson, John G., Chatham, Ontario, Canada. Electric dry cell. 1,763,969; June 17.
- Jackson, John G., Chatham, Ontario, Canada. Producing fibers from vitreous materials. 1,769,181; July 1.
- Jackson, John S., Philadelphia, Pa. Internal-combustion engine. 1,766,385; June 24.
- Jackson, John W., Moose Jaw, Saskatchewan, Canada. Shock loading and unloading machine. 1,780,299; Nov. 4.
- Jackson, Joseph B., Milford, assignor to Draper Corporation, Hopedale, Mass. Weft stop mechanism for looms. 1,782,782; Nov. 25.
- Jackson, Joseph R., jr., Boston, Mass. Elevator. 1,758,605; May 13.
- Jackson, Joseph R., jr., Boston, Mass. Elevator control device. 1,784,933; Dec. 16.
- Jackson, Lloyd E., Pittsburgh, Pa. Dry cleaning. 1,778,948; Oct. 21.
- Jackson, Maunsell B., Toronto, Ontario, Canada. Vegetative device. 1,752,597; Apr. 1.
- Jackson, Maunsell B., Toronto, Ontario, Canada. Engine starter. 1,762,631; June 10.
- Jackson, Maunsell B., Toronto, Ontario, Canada. Brake-operating mechanism. 1,774,796; Sept. 2.
- Jackson, Merlin M., assignor to F. Hamann and G. I. Lang, San Jose, Calif. Washing machine. 1,742,544; Jan. 7.
- Jackson & Moreland. (See Booth, Ralph D., assignor.)
- Jackson, Ora S., Omaha, Nebr., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,779,598; Oct. 28.
- Jackson, Ora S., Omaha, Nebr., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,779,599; Oct. 28.
- Jackson, Philip A., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,755,354; Apr. 22.
- Jackson, Ralph G., Woodbury, N. J. Making floor coverings. 1,765,588; June 24.
- Jackson, Ralph G., Woodbury, N. J. Smooth-surface textile floor covering. 1,765,589; June 24.
- Jackson, Ralph M., La Habra, Calif., assignor to Owl Fumigating Corporation, New York, N. Y. Fumigating apparatus and fumigating. 1,773,582; Aug. 19.
- Jackson, Ray P. (See Miller, F. H., and Jackson.)
- Jackson, Richard A. (See Freivogel, Ernest, assignor.)
- Jackson, Robert M., Lake Creek, Tex. Attachment for seed planters. 1,749,250; Mar. 4.
- Jackson, Robert S. (See Armstrong, E. P., and Jackson.)
- Jackson, Samuel J., Sydney, New South Wales, Australia. Chamber or passageway for use in the reproduction of sound. 1,751,409; Mar. 18.
- Jackson, Sylvester V., Indianapolis, Ind. Engine pre-heater. 1,764,021; June 17.
- Jackson, Thaddeus A., Brooklyn, N. Y. Drill grinder. 1,759,196; May 20.
- Jackson, Thaddeus A., Brooklyn, assignor of one-half to W. J. Skelly, New York, N. Y. Grinding wheel and mounting the same. 1,753,377; Apr. 8.
- Jackson, Thaddeus A., Brooklyn, and W. J. Okelly, New York, N. Y. Grinding implement. 1,773,679; Aug. 19.
- Jackson, Thomas, Mount Hawthorn, near Perth, Western Australia, Australia. Bumper bar. 1,755,007; Apr. 15.
- Jackson, Warren A., et al. (See Cope, Raymond M., assignor.)
- Jackson, William. (See Rowley, C. D., and Jackson.)
- Jackson, William C., Wapato, Wash. Divider for mowing machines. 1,755,506; Apr. 22.

- Jackson, William M. S., Cleveland, Ohio, assignor to The Guardian Trust Company. Piston. 1,750,638; Mar. 18.
- Jaco, William S. (See Beasley, Albeon, assignor.)
- Jacob, Georg, assignor of one-half to the firm Kammgarnspinnerei Gautzsch bei Leipzig Aktiengesellschaft. Gautzsch, near Leipzig, Germany. Ring-spinning frame. 1,767,888; June 24.
- Jacob, Herman A., Holyoke, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid-dispensing apparatus. 1,783,379; Dec. 2.
- Jacob, Sydney M., London, England, and J. H. Field, Simla, India. Manufacture of sports implements and apparatus therefor. 1,742,394; Jan. 7.
- Jacob, Thomas H., Wausau, Wis. Automobile display device. 1,746,834; Feb. 11.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Instrument-mounting clamp. 1,742,253; Jan. 7.
- Jacobi, Edward N., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Lock. 1,742,254; Jan. 7.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Switch lock. 1,745,326; Jan. 28.
- Jacobi, Edward N., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Switch. 1,753,861; Apr. 8.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lighting and ignition switch. 1,754,754; Apr. 15.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Steering-column switch. 1,764,169; June 17.
- Jacobi, Edward N., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Lock. 1,773,733; Aug. 26.
- Jacobi, Edward N., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Switch. 1,784,290; Dec. 9.
- Jacobi, Emil R., and F. H. Le Jeune, Jackson, assignors, by mesne assignments, to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Manufacturing wheel centers. 1,742,395; Jan. 7.
- Jacobi, Emil R., and F. H. Le Jeune, Jackson, assignors, by mesne assignments, to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Tie and drive for demountable rims. 1,747,474; Feb. 18.
- Jacobs Brothers Co., The. (See Dollack, Charles, assignor.)
- Jacobs Bros. Co. Inc., The. (See Jacobs, Harry M., assignor.)
- Jacobs, Charles H., San Francisco, and A. F. Harshbarger, Oakland, Calif. Apparatus for loading aircraft. 1,744,638; Jan. 21.
- Jacobs, Clarence E., Detroit, Mich. Oil-pump screen cage. 1,764,170; June 17.
- Jacobs, Clarence E., Detroit, Mich. Making oil-pump screen cages. 1,777,369; Oct. 7.
- Jacobs, Clifton N. (See Taylor, J. M., Jacobs, and Titus.)
- Jacobs, David B., Champaign, Ill. Center bearing. 1,770,982; July 22.
- Jacobs, E. H., Mfg. Co. (See Bullard, Washington I., assignor.)
- Jacobs, E. H., Manufacturing Company. (See Chadbourne, Joseph H., assignor.)
- Jacobs, Ernest H., assignor to Electrical Engineers Equipment Co., Chicago, Ill. Lightning arrester. 1,755,324; Apr. 22.
- Jacobs, Francis A., Warren, Ohio, assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car-uncoupling device. 1,755,505; Apr. 22.
- Jacobs, Franciscus G., Rotterdam, and J. M. M. Schmitz, Hillegersberg, near Rotterdam, Netherlands. Elastic friction clutch. 1,744,637; Jan. 21.
- Jacobs, Fred, Spokane, Wash. Towel rack. 1,748,228; Feb. 25.
- Jacobs, Frederick L., Newark, N. J. Removable body for hand trucks. 1,744,311; Jan. 21.
- Jacobs, George, Detroit, Mich. Signal. Re17,735; Oct. 21.
- Jacobs, George, Detroit, Mich. Condenser. 1,755,181; Apr. 22.
- Jacobs, George, Detroit, and B. H. Kaufmann, Highland Park, Mich. Automobile lock. 1,748,350; Feb. 25.
- Jacobs, Harry M., assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y. Warming device. 1,780,649; Nov. 4.
- Jacobs, Henry. (See Cornelius, W. F., and Jacobs.)
- Jacobs, Homer L. (See Davey, P. H., Jacobs, and Davey.)
- Jacobs, Jacob, Copley, Ohio. Marine foundation and making the same. 1,758,606; May 13.
- Jacobs, Joseph, assignor to The A. J. Donohue Corporation, Milford, Conn. Man's garter. 1,760,501; May 27.
- Jacobs, Joseph H., Rochester, N. Y. Curling iron. 1,744,386; Jan. 21.
- Jacobs Manufacturing Company, The. (See Englund, Albert E., assignor.)
- Jacobs Manufacturing Company, The. (See Englund, Gustaf A., assignor.)
- Jacobs, Reed E., Berkeley, Calif. Electric-motor truck. 1,786,069; Dec. 23.
- Jacobs, Samuel M. J., New York, N. Y. Combined knife and cigar-box opener. Des. 82,220; Oct. 7.
- Jacobs, Walter T., Freeport, Ill., assignor, by mesne assignments, to Big Rock Ranch Company, Los Angeles, Calif. Hearse. 1,775,463; Sept. 9.
- Jacobs, Werner, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Variable-speed gear. 1,759,558; May 20.
- Jacobsen, Charles, Tulsa, Okla. Apparatus for pumping deep wells. 1,753,930; Apr. 8.
- Jacobsen, Christian M., New Castle, Ind. Switch mechanism for signaling devices for motor-driven vehicles. 1,774,273; Aug. 26.
- Jacobsen, Helge, Skærrivej, Glostrup, assignor of part interest to W. Thomsen, Copenhagen, Denmark. Self-centering cutter head for precision boring machines. 1,777,265; Sept. 30.
- Jacobsen, Jens N., Alameda, Calif., assignor to The Pfau-ler Company, Rochester, N. Y. Sanitary valve. 1,780,525; Nov. 4.
- Jacobsen, Jens N., Alameda, Calif., assignor to The Pfau-ler Co., Rochester, N. Y. Heat-transfer apparatus. 1,783,844; Dec. 2.
- Jacobsen, Johan S., Lodl, Calif. Dust-eliminating air duct for radiators. 1,751,739; Mar. 25.
- Jacobsen, Kai A., Copenhagen, Denmark, assignor, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Manufacture of yeast. 1,752,003; Mar. 25.
- Jacobsen Mfg. Co. (See Carlson, John A. E., assignor.)
- Jacobsen Manufacturing Co. (See Pol, John B., assignor.)
- Jacobsen, Oystein, Dayton, Ohio, assignor to The Duriron Company, Inc. Centrifugal pump. 1,755,217; Apr. 22.
- Jacobsen, Richard S., Wheaton, assignor to J. F. S. Company, Chicago, Ill. Variable-speed transmission gearing. 1,770,408; July 15.
- Jacobsen, Richard S., Wheaton, assignor to J. F. S. Company, Chicago, Ill. Change-speed friction drive. 1,775,201; Sept. 9.
- Jacobsmeier, Stephen J., Salem, Iowa. Door lifter. 1,771,121; July 22.
- Jacobssohn, Isadore M., Chicago, Ill., and S. Truscott, Birmingham, Ohio. Aircraft covering. 1,752,637; Apr. 1.
- Jacobssohn, Isadore M., Chicago, Ill., and S. Truscott, Birmingham, Ohio. Aircraft covering. 1,779,846; Oct. 28.
- Jacobssohn, Isadore M., Chicago, Ill., and S. Truscott, Birmingham, Ohio. Flexible impermeable fabric. 1,779,847; Oct. 28.
- Jacobson, Arthur G., assignor to The Miehle Printing Press & Mfg. Company, Chicago, Ill. Transfer-gripper-operating mechanism. 1,764,104; June 17.
- Jacobson, Axel C., San Francisco, Calif. Sawing machine. 1,746,594; Feb. 11.
- Jacobson, Conrad C. (See Dollin, E. N., and Jacobson.)
- Jacobson, David L. (See Huff, W. J., Jacobson, and Hill.)
- Jacobson, David L., assignor to The Koppers Company, Pittsburgh, Pa. Gas-purification process. 1,752,382; Apr. 1.
- Jacobson, Edward B., Pittsfield, Mass. Device for controlling the voltage of storage batteries. 1,781,844; Nov. 18.
- Jacobson, Gustaf E., South Orange, N. J. Oil burner. 1,755,602; Apr. 22.
- Jacobson, Gustav, and G. F. Ericson, assignors to Superior Floor Surfacing Machine Corporation, New York, N. Y. Floor-surfacing machine. 1,760,832; May 27.
- Jacobson, Harry. (See Heitel, Harry and J., assignors.)
- Jacobson, Henry, Wauwatosa, and C. J. Kruse, assignors to Logemann Brothers Company, Milwaukee, Wis. Baling press. 1,766,642; June 24.
- Jacobson, Henry A. (See Bishop, B. S. T., and Jacobson.)
- Jacobson, Howard C., Minneapolis, Minn. Grinding machine with screen. 1,758,702; May 13.
- Jacobson, Hugo W., Arlington, assignor to Gould & Eberhardt, Newark, N. J. Lubrication system for shaping machines. 1,781,110; Nov. 11.
- Jacobson, John A., et al, administrators. (See Osterlind, August F.)
- Jacobson, Marcus, et al. (See Waite, Harry C., assignor.)
- Jacobson, Moses, New York, assignor of one-half to W. A. Schacht, Flushing, Long Island, N. Y. Antenna. 1,747,008; Feb. 11.
- Jacobson, Olof, and A. O. Gylling, Stockholm, Sweden. Circuit breaker and similar switch apparatus for electric-power current lines. 1,770,780; July 15.
- Jacobson, Theodore, Hartford, Conn., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Air-cleaning machine. 1,769,839; July 1.
- Jacobson, William, Mount Vernon, N. Y. Cloth holder for cutting tables. 1,746,258; Feb. 11.
- Jacobucci, Raphael, Cleveland, Ohio. Printing press. 1,783,942; Dec. 2.
- Jacobus, David S. (See Monroe, W. S., Heaton, and Jacobus.)
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater boiler. 1,743,353; Jan. 14.
- Jacobus, David S., Jersey City, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace wall. 1,744,165; Jan. 21.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Manhole cover. 1,746,700; Feb. 11.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Economizer. 1,747,671; Feb. 18.
- Jacobus, David S., Jersey City, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace wall. 1,749,768; Mar. 11.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-power system. 1,751,238; Mar. 18.

- Jacobus, David S., Jersey City, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Boiler and setting therefor. 1,751,551; Mar. 25.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and economizer and operating the same. 1,753,266; Apr. 8.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,753,267; Apr. 8.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heater. 1,765,675; June 24.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,769,997; July 8.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heater. 1,774,142; Aug. 26.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater steam boiler. 1,776,835; Sept. 30.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Oil still. 1,779,434; Oct. 28.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater steam boiler and operating the same. 1,779,706; Oct. 28.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heating-surface-cleaning device. 1,784,629; Dec. 9.
- Jacobus, David S., Jersey City, N. J., and W. A. Jones, West New Brighton, N. Y., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Economizer. 1,765,532; June 24.
- Jacobus, David S., Montclair, N. J., assignor to Fuller Lehigh Company, Fullertown, Pa. Sectional furnace wall. 1,769,924; July 8.
- Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace wall and baffle. 1,770,928; July 22.
- Jacobus, David S., Montclair, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace wall. 1,771,850; July 29.
- Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,774,749; Sept. 2.
- Jacobus, David S., Montclair, assignor to The Babcock and Wilcox Company, Bayonne, N. J. Air heater. 1,779,276; Oct. 21.
- Jacobus, David S., Montclair, N. J., and W. A. Jones, West New Brighton, N. Y., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Heat-transfer device. 1,780,300; Nov. 4.
- Jacobus, Edward, Newark, N. J. Radiator vent valve. 1,761,394; June 3.
- Jacobus School Products Co. (See Prosnitz, Ludwig B., assignor.)
- Jacoby, Arthur B., assignor to The American Rolling Mill Company, Middletown, Ohio. Crane. 1,785,090; Dec. 16.
- Jacoby, Benjamin. (See King, C. B., and Jacoby.)
- Jacoby, Benjamin. (See King, C. B., Jacoby, and Shelton.)
- Jacoby, Edward L., Gaylord, Mich. Convertible seat for automotive vehicles. 1,751,088; Mar. 18.
- Jacoby, Gustave, assignor to The Enro Shirt Company, Louisville, Ky. Soft collar. 1,756,752; Apr. 29.
- Jacoby, Hermann, Eberstadt, near Darmstadt, Germany. Vehicle tire-pressure indicator. 1,772,949; Aug. 12.
- Jacocks, George T., Brooklyn, N. Y., assignor, by mesne assignments, to Heat Transfer Products, Inc. Apparatus for compressing substances. 1,766,998; June 24.
- Jacquelet, Robert C., Norwood, Ohio. Electric-current valve. 1,765,335; June 17.
- Jacquelet, Robert C., Norwood, Ohio. Alternating-current rectifier. 1,767,367; June 24.
- Jacques, Damase, Detroit, Mich. Gear-retaining device. 1,745,932; Feb. 4.
- Jacques, George W., New Bedford, Mass., assignor to Atlas Tack Corporation, Fairhaven, Mass. Top gauge mechanism for fastener-setting machines. 1,767,074; June 24.
- Jacques, George W., New Bedford, assignor to Atlas Tack Corporation, Fairhaven, Mass. Tension device. 1,767,075; June 24.
- Jacques, George W., New Bedford, assignor to Atlas Tack Corporation, Fairhaven, Mass. Edge gauge. 1,767,589; June 24.
- Jacques, Ora E., Plymouth, N. H. Cutting machine. 1,786,346; Dec. 23.
- Jacques, Raynaldo P., Woonsocket, R. I., assignor to Adams Industries, Inc., New York, N. Y. Making flexible tubular conduits. 1,753,465; Apr. 8.
- Jacques, Raynaldo P., Woonsocket, R. I., assignor to Adams Industries, Inc., New York, N. Y. Grease gun. 1,761,127; June 3.
- Jacques, Stanley A., Chicago, Ill., assignor to International Combustion Engineering Corporation, New York, N. Y. Pulverized-coal distributor. 1,757,634; May 6.
- Jacques, Stanley A., Chicago, Ill., assignor to International Combustion Engineering Corporation, New York, N. Y. Powdered-fuel-burning boiler furnace. 1,760,140; May 27.
- Jacuzzi, Rachele, Berkeley, Calif. Aeroplane. Des. 82,221; Oct. 7.
- Jacuzzi, Rachele, Berkeley, Calif. Pumping system. 1,758,400; May 13.
- Jade, Hans, San Francisco, Calif. Toy bridge. 1,750,519; Mar. 11.
- Jadin, Ferdinand A. and G. P., Sausalito, Calif. Drier. 1,777,493; Oct. 7.
- Jadin, George P. (See Jadin, Ferdinand A. and G. P.)
- Jaedel, Wilhelm, assignor to Maschinenbau-Anstalt Humboldt, Cologne-Kalk, Germany. Tube mill. 1,780,132; Oct. 28.
- Jaeger, Alphons O., Mount Lebanon, assignor to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Purification of crude anthracene. Re17,902; Dec. 16.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Esters of phthalic acid. 1,764,022; June 17.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Oxidation of fluorene. 1,764,023; June 17.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of ammonia. 1,765,352; June 17.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of anthracene. 1,786,950; Dec. 30.
- Jaeger, Alphons O., Chicago, Ill., and J. A. Bertsch, St. Louis, Mo.; said Jaeger assignor to The Selden Company, Pittsburgh, Pa. Purification of gases. 1,765,869; June 24.
- Jaeger, Alphons O., and J. A. Bertsch, St. Louis, Mo.; said Jaeger assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Preparation of vanadic acid. 1,765,870; June 24.
- Jaeger, Alphons O., and J. A. Bertsch, St. Louis, Mo., said Jaeger assignor to The Selden Company, Pittsburgh, Pa. Zeolite. 1,782,353; Nov. 18.
- Jaeger, Gebhard, Columbus, Ohio. Meter and controlling means for concrete mixers. 1,769,881; July 1.
- Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Loader agitator for concrete-mixing machines. Re17,670; May 20.
- Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Clutch. 1,777,168; Sept. 30.
- Jaeger Machine Company, The. (See Jaeger, Gebhard, assignor.)
- Jaeger Machine Company, The. (See Mosel, Joseph H., assignor.)
- Jaeger Machine Company. (See Robin, Philip T., assignor.)
- Jaeger Machine Company, The. (See Tullis, Jasper G., assignor.)
- Jaeger Machine Company, The. (See Wilms, Henry F., assignor.)
- Jaeger, Max, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Multiple-head sealing machine. 1,749,347; Mar. 4.
- Jaeger, Max, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Glass machine. 1,761,792; June 3.
- Jaeger, Maximilian, jr., St. Albans, N. Y. Wall construction and structural unit therefor. 1,752,342; Apr. 1.
- Jaeger, Paul, Stuttgart, Germany. Undercoating for accelerating the time of drying of oil paints and enamels. 1,772,897; Aug. 12.
- Jaeger, Paul H. (See Godfried, H. J., and Jaeger.)
- Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,748,351; Feb. 25.
- Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,755,478; Apr. 22.
- Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Counting scale. 1,761,210; June 3.
- Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Lever for scales and making the same. 1,780,262; Nov. 4.
- Jaenichen, Louis, Springfield Township, Oakland County, Mich., assignor to The Standard Computing Scale Company. Weighing scale. 1,782,654; Nov. 25.
- Jaffard, Louis L. C., Paris, France. Drive for talking machines. 1,777,973; Oct. 7.
- Jaffe, D. B., et al. (See Ritter, Harry C., assignor.)
- Jaffe, Elias, New York, N. Y. Self-fastening button. 1,763,656; June 17.
- Jaffe, Joseph L., assignor to The Perfectlite Company, Cleveland, Ohio. Lighting fixture. 1,768,255; June 24.
- Jaffe, Joseph L., and R. J. Monroe, assignors to The Perfectlite Company, Cleveland, Ohio. Lighting fixture. 1,774,274; Aug. 26.
- Jagenberg, Emil, Dusseldorf, Germany. Manufacture of paper boxes, cardboard boxes, and the like. 1,756,359; Apr. 29.
- Jäger, Alwin, assignor to the Firm Oscar Kohorn & Co., Chemnitz, Germany. Making high-grade viscose products. 1,774,712; Sept. 2.
- Jaggschitz, Konrad, Mainz, assignor to Maschinenfabrik Augsburg-Nuernberg A. G., Nuremberg, Germany. Gas reservoir. 1,752,383; Apr. 1.
- Jahn, Ernst, Arnswalde, Germany. Device for separating admixed solid bodies from fluid streams. 1,746,156; Feb. 4.
- Jahn, Eugene, Philadelphia, Pa. Machine for working wood and other materials. 1,743,714; Jan. 14.

- Jahn, John R., Berkeley, and J. W. Shannon, San Rafael, Calif., assignors to Shannon Rotary Valve Motor Co. Rotary valve mechanism. 1,774,713; Sept. 2.
- Jahn, Raymond F., Brooklyn, N. Y. Printing and stamping machine. 1,744,770; Jan. 28.
- Jähne, Ernst H., assignor to the firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Forming paper bags or cardboard boxes. 1,767,799; June 24.
- Jahnke, Charles B., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Carburetor. 1,764,726; June 17.
- Jahnke, Charles B., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Lubrication means. 1,772,461; Aug. 12.
- Jahns, Alfred H., Seattle, Wash. Bath cabinet. 1,766,125; June 24.
- Jahrstorfer, Michael. (See Pungs, W., and Jahrstorfer.)
- Jaite Company, The. (See Wechsler, Samuel, assignor.)
- Jakob, Johann, Seebach-Zürich, Switzerland, assignor to Albert T. Otto & Sons, Inc., New York, N. Y. Production of artificial stones. 1,758,518; May 13.
- Jakosky, John J., assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for the prevention of high-frequency radiation. 1,754,627; Apr. 15.
- Jakosky, John J., assignor to International Precipitation Company, Los Angeles, Calif. Phonograph reproducer. 1,764,957; June 17.
- Jakova-Merturi, Gaspard, Gagny, assignor to La Carbonisation, Societe Generale d'Exploitation des Carbones, Paris, France. Converter. 1,743,561; Jan. 14.
- Jakova-Merturi, Gaspard, Gagny, assignor to Societe la Carbonisation, Societe Generale d'Exploitation des Carbones, Paris, France. Metallurgical fuel and making the same. 1,779,744; Oct. 28.
- Jalowetz, Eduard, Vienna, Austria. Improving brewing waters. 1,755,544; Apr. 22.
- Jalowzer, Benzlon. (See Stiasny, E. G., and Jalowzer.)
- Jamerson, Paul C., et al. (See Johnson, Willard M., assignor.)
- Jamerson, Peter S., et al. (See Johnson, Willard M., assignor.)
- James, Albert S., Eureka, Calif. Aircraft. 1,766,906; June 24.
- James, Alvin E., Waycross, Ga. Aerovehicle. 1,782,508; Nov. 25.
- James, Arthur E. W., assignor to Heenan & Froude Limited, Worcester, England. Refuse destructor. 1,758,157; May 13.
- James, Charles T., Los Angeles, Calif. Remote-controlled drawer. 1,778,857; Oct. 21.
- James, Charles T., Los Angeles, Calif. Money tray and safety receptacle therefor. 1,786,160; Dec. 23.
- James, Cleveland A. (See Miller, Edgar A., assignor.)
- James, Cleveland A. (See Miller, E. A., and James.)
- James, Corinne, Houston, Tex. Garbage can. 1,773,680; Aug. 19.
- James, Enoch R. (See James, Lee G., H. E., and E. R.)
- James, Francis F., Philadelphia, Pa. Automatically-adjustable double-end shackle-bolt connection. 1,748,048; Feb. 18.
- James, Frederic W. (See Nelson, N. P., and James.)
- James, George H., assignor of one-half to F. H. Simpson, Oakland, Calif. Screw jack. 1,786,305; Dec. 23.
- James, Harry E. (See James, Lee G., H. E., and E. R.)
- James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, Rotary earth-drilling system. 1,786,755; Dec. 30.
- James, Henry D., Edgewood, and A. J. Mottlau, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Thermoresponsive device. 1,743,142; Jan. 14.
- James, Henry V., Radlett, England. Electric-motor-control system. 1,752,179; Mar. 25.
- James, Inc. (See James, Lee G., H. E., and E. R., assignors.)
- James, John J., Boston, Mass. Target. 1,778,323; Oct. 14.
- James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Treating liquid partial-oxidation product mixtures and products thereof. 1,753,516; Apr. 8.
- James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Treating liquid partial-oxidation products. 1,753,517; Apr. 8.
- James, Joseph H., Pittsburgh, Pa., assignor to C. P. Byrnes, trustee. Treating hydrocarbons including hydrocarbon derivatives. 1,759,620; May 20.
- James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Insecticide and fungicide compound. 1,764,792; June 17.
- James, Joseph H., Pittsburgh, Pa., assignor to C. P. Byrnes, trustee, Sewickley, Pa. Manufacture of solvents. 1,782,963; Nov. 25.
- James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Solvent and making the same. 1,782,964; Nov. 25.
- James, Lee G., H. E., and E. R., assignors to James, Inc., Atlantic City, N. J. Candy confection and producing the same. 1,747,116; Feb. 11.
- James, Lewis A. (See Schmidt, A. B., and James.)
- James, Lewis A., Fredonia, Kans. Washing machine. 1,778,257; Oct. 14.
- James Manufacturing Company. (See Markey, George T., assignor.)
- James Manufacturing Company. (See Markey, G. T., and Olson, assignors.)
- James Manufacturing Company. (See Olson, John B., assignor.)
- James Manufacturing Company. (See Olson, J. B., and Young, assignors.)
- James Manufacturing Company. (See Shodron, John G., assignor.)
- James, Nephanus E., et al. (See Clayton, William F., assignor.)
- James, Paul N. C., Paris, France. Wind-direction signaling device for aircraft-landing fields. 1,775,104; Sept. 9.
- James, Richard, and J. E. Dungan, Chicago, Ill.; said James assignor, by mesne assignments, of one-half to Remington Rand Inc., Tonawanda, N. Y. Credit register. 1,745,218; Jan. 28.
- James, Robert F., Garrett, Ind. Automobile window screen. 1,758,158; May 13.
- James, Wallace O., Chicago, Ill. Recording and reproducing sensorial effects. 1,769,954; July 8.
- James, Wathen M., Denver, Colo. Refreshment stand. Des. 81,193; May 20.
- James, William E., et al. (See Clayton, William F., assignor.)
- Jameson, Joseph L. and C. J. Fisher, Surrey, England. Internal-combustion engine. 1,757,907; May 6.
- Jameson, Peter, West Quincy, Mass. Pitman or connecting-rod construction. 1,782,655; Nov. 25.
- Jameson, Thomas, assignor to The Gilchrist Company, Newark, N. J. Ice-cream disher. 1,752,560; Apr. 1.
- Jamestown Metal Equipment Co. (See Card, Earl J., assignor.)
- Jamestown Metal Equipment Co. (See Card, E. J., and Gronberg, assignors.)
- Jamestown Metal Equipment Co. (See Carlson, Otto, assignor.)
- Jamestown Radio Cabinet Corporation, The. (See Tillotson, James, Jr., assignor.)
- Jamieson, Bertrand G., Hollywood, Ill., assignor, by mesne assignments, to General Electric Company. Electric-power distribution. 1,754,515; Apr. 15.
- Jamieson, Hugh V., Dallas, Tex. Apparatus for processing film. 1,785,631; Dec. 16.
- Jamison, Charles A. (See Battey, W. A., and Jamison.)
- Jamison, Charles A., Philadelphia, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Hammer mill. 1,781,904; Nov. 18.
- Jamison, Claude T., assignor to Day and Night Auto Safety Signal Company, Alton, Ill. Automobile signal switch. 1,764,958; June 17.
- Jamison, Fred A., East Nicolaus, Calif. Grain drier and cleaner. 1,769,345; July 1.
- Jamison, William F., Los Angeles, Calif. Hypodermic syringe. 1,752,384; Apr. 1.
- Jampol, Howard M., New York, N. Y. Combination bundling and delivery table. 1,757,965; May 13.
- Janacek, Henry A., Lagrange, Tex. Cotton-picker machine. 1,755,507; Apr. 22.
- Janca, Joseph J., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Motor. 1,767,135; June 24.
- Jancke, Benno F., Brooklyn, N. Y. Hair-waving device. Des. 81,586; July 15.
- Jancke, Benno F., Brooklyn, and J. E. Kelley, assignors to Eastern Laboratories, Inc., New York, N. Y. Hair drying and treating apparatus. 1,787,251; Dec. 30.
- Janda, Anna J., assignor to J. J. Ryan, Chicago, Ill. Marcel waver. Re17,622; Mar. 18.
- Janda, George W., Bismarck, and R. C. Plaggmiller, Taylor, assignors to The National Survault Company, Bismarck, N. Dak. Burial vault. 1,780,193; Nov. 4.
- Janda, Rudolph W. (See Anderson, C. F., and Janda.)
- Janda, Rudolph W., Berwyn, assignor to Conlon Corporation, Cicero, Ill. Clutch-control mounting. 1,745,490; Feb. 4.
- Janda, Rudolph W., Berwyn, assignor to Conlon Corporation, Cicero, Ill. Clutch. 1,782,572; Nov. 25.
- Jandasek, Joseph, Cicero, Ill. Method and apparatus for compressing gases. 1,757,802; May 6.
- Jandl, Mary K., Marble Rock, Iowa. Cornerrib. 1,762,019; June 3.
- Jandus, Herbert S. (See Jandus, William and H. S.)
- Jandus, Herbert S., Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation. Bumper. Des. 82,560; Nov. 18.
- Jandus, Herbert S., Detroit, Mich., assignor, by mesne assignments, to General Spring Bumper Corporation. Bumper. 1,743,218; Jan. 14.
- Jandus, Herbert S., assignor to General Spring Bumper Corporation, Detroit, Mich. Bumper. 1,763,587; June 10.
- Jandus, Herbert S., assignor to General Spring Bumper Corporation, Detroit, Mich. Bumper. 1,770,885; July 15.
- Jandus, Herbert S., Detroit, Mich., assignor to General Spring Bumper Corporation. Bumper construction. 1,771,539; July 29.
- Jandus, Herbert S., and E. R. Keelor, Detroit, Mich., assignors, by mesne assignments, to General Spring Bumper Corporation. Bumper clamp. 1,743,219; Jan. 14.
- Jandus, William and H. S., East Cleveland, Ohio. Precision gauge. 1,785,383; Dec. 16.

- Janeček, František, Prague, Czechoslovakia. Machine gun. 1,747,646; Feb. 18.
- Janeczko, Lawrence, Hegewisch, Ill. Window. 1,757,048; May 6.
- Janer, Andre, Flushing, assignor to The A. J. & K. Company, Incorporated, New York, N. Y. Container for lip sticks and the like. 1,764,452; June 17.
- Janes, Edmund D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Self-locking slide fastener. 1,754,200; Apr. 8.
- Janes, Edwin S. (See Le Bloas, J. and Janes.)
- Janes, Paul, Vienna, Austria. Fluid-mixing device. 1,766,643; June 24.
- Janes, Ralph E., Dallas, Tex. Pipe-painting machine. 1,755,877; Apr. 22.
- Janette, John T., Chicago, Ill. Pump and storage tank. 1,744,550; Jan. 21.
- Janette, John T., Chicago, Ill. Body-treatment machine. 1,753,518; Apr. 8.
- Janette, John T., Chicago, Ill. Motor control. 1,765,489; June 24.
- Janette, John T., Chicago, Ill. Circulating apparatus. 1,765,490; June 24.
- Janeway, Jacob J., deceased, New Brunswick, N. J.; L. P. Janeway and C. J. Scudder, executors. Manufacture of wall paper. 1,764,408; June 17.
- Janeway, Lucius P., et al., executors. (See Janeway, Jacob J.)
- Janeway, Robert N. (See Earnshaw, W. B., and Janeway.)
- Janick, George W., Newark, N. J. Doll's eyes. 1,771,891; July 29.
- Janicki, John, Oak Park, Ill., assignor to Western Electric Company Incorporated, New York, N. Y. Strand-coating apparatus. 1,759,850; May 27.
- Janik, Eduard, Vienna, Austria. Automatic variable speed gear. 1,760,700; May 27.
- Janin, John V., Seattle, Wash. Flying machine. 1,747,585; Feb. 18.
- Janin, John V., Seattle, Wash. Street marker. 1,766,518; June 24.
- Janisch, Leopold, Berlin, and W. Welsch, Berlin-Niederschonhausen, Germany, assignors to General Electric Company. Electric braking. 1,760,556; May 27.
- Janiszewski, Kasimir, assignor to Superior Tool and Die Company, Milwaukee, Wis. 1,757,309; May 6.
- Janke, Albert, Alden, Iowa. Shelf bracket. 1,759,312; May 20.
- Janke, Alfred H. (See Janke, Elizabeth W. and A. H.)
- Janke, August W. (See Radloff, E. E., and Janke.)
- Janke, Elizabeth W. and A. H., Plainfield, N. J.; said A. H. Janke assignor to said Elizabeth W. Janke. Multiple-unit plate rack. 1,759,645; May 20.
- Jankus, Jack C., Scranton, Pa., assignor to Gas Refrigeration Corporation, Dover, Del. Refrigerator box. 1,748,716; Feb. 25.
- Jannarone, Peter, Nutley, N. J. Concrete joint form. 1,754,107; Apr. 8.
- Jannek, Josef. (See Wietzel, G., Jannek, and Fried.)
- Janosek, Joseph T., assignor of one-half to A. Oliver, Cleveland, Ohio. Lettering device. 1,750,309; Mar. 11.
- Janosik, George E., Elyria, Ohio. Railway safety crossing. 1,748,882; Feb. 25.
- Janowitch, Joseph H., Brooklyn, N. Y. Shirt-collar stiffener. Re17,885; Nov. 25.
- Jansen, Agnes C., administratrix. (See Collins, C., and Jansen.)
- Jansen, Emile, assignor to General Paint Corporation, San Francisco, Calif. Pipe-wrapping machine. 1,777,089; Sept. 30.
- Jansen, Ernest D. (See Collins, C. H., and Jansen.)
- Jansen, Henry, Chicago, Ill. Cutting tool. 1,769,433; July 1.
- Janser, Arthur. (See Friedlander, H., and Janser.)
- Janson, Carl A., assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Machine for facet filing of saw teeth. 1,743,893; Jan. 14.
- Janson, George W., Nutley, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Locating faults on messenger-call circuits. 1,754,628; Apr. 15.
- Janson, George W., Nutley, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Messenger call box. 1,770,370; July 8.
- Janssen, Friedrich, assignor to G. Kromschroder Aktien-gesellschaft, Osnabruck, Germany. Thermostatic regulator valve. 1,760,199; May 27.
- Janssen, Louis C., and W. A., Lagrange, Tex. Spraying machine. 1,751,039; Mar. 18.
- Janssen, Webster E., New York, N. Y. Musical-instrument case. 1,749,585; Mar. 4.
- Janssen, Webster E., New York, N. Y. Player-piano case. 1,774,514; Sept. 2.
- Janssen, Wilhelm A. (See Janssen, Louis C. and W. A.)
- Jansson, Axel, Hillside, N. J., assignor to International Motor Company, New York, N. Y. Brake mechanism. 1,750,755; Mar. 18.
- Jansson, Axel, J., Flint, assignor to General Motors Corporation, Detroit, Mich. Pivot joint. 1,746,217; Feb. 4.
- Jansson, Bennett T., Kittery, Me., and C. J. Emerson, Winchester, Mass. Screw driver. 1,780,785; Nov. 4.
- Jansson, Erik P., Eksjo, Sweden, assignor to Aktiebolaget Axel Christiernsson, Stockholm, and Aktiebolaget Eksjo Mekaniska Verkstad, Eksjo, Sweden. Sand-slinging machine. 1,773,694; Aug. 19.
- Jansson, Ernst R., Proctor, Vt. Harrow. 1,744,312; Jan. 21.
- Jansson, Ernst T., Stockholm, Sweden, assignor to The DeLaval Separator Company, New York, N. Y. Milking machine. 1,758,443; May 13.
- Jansson, Gustav, Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Contact member for electric switches. 1,763,356; June 10.
- Jansson, Gustav E., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Transformer. 1,768,256; June 24.
- Jansson, Gustav E., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Oil-filled bushing. 1,769,261; July 1.
- Jansson, Gustav E., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Oil-filled bushing. 1,769,262; July 1.
- Jansson, Gustav E., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. High-tension electrical apparatus and insulating bushing therefor. 1,775,529; Sept. 9.
- Jansson, Gustav E., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. High-tension bushing having insulated supports. 1,775,530; Sept. 9.
- Jantsch, Victor, assignor to Yellow Truck & Coach Company, Pontiac, Mich. Gasoline-tank mounting. 1,757,429; May 6.
- Jantzen, Fred, Bronx, N. Y. Furniture shoe. 1,781,951; Nov. 18.
- Jantzen, Fred, Bronx, N. Y. Towel cabinet. 1,783,149; Nov. 25.
- Jantzen Knitting Mills. (See Bergh, Philip, assignor.)
- Janus, William. (See Busse, E. G., and Janus.)
- Janville, Henry M., Maybrook, N. Y. Protective switch member. 1,758,519; May 13.
- Janz, Heinrich. (See Kränzlein, G., Müller, Brunträger, and Janz.)
- Jaqua, John B., Alhambra, Calif. Oil-cracking process. 1,752,004; Mar. 25.
- Jaques, Cloyce A., Chicago, Ill. Manhole construction. 1,757,196; May 6.
- Jaques, Donald E. (See Holmes, A. W., Jaques, and Coats.)
- Jaquith, Harold C., Glenbrook, Conn. Vehicle lamp. 1,767,590; June 24.
- Jardine, Frank. (See Jehle, F., and Jardine.)
- Jardine, Frank, Cleveland, Ohio, assignor, by mesne assignments, to The Aluminum Company of America, Pittsburgh, Pa. Piston. 1,759,508; May 20.
- Jardine, Frank, Cleveland, Ohio, assignor, by mesne assignments, to The Aluminum Company of America, Pittsburgh, Pa. Making pistons. 1,759,509; May 20.
- Jardine, Frank, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, trustee. Piston. 1,763,523; June 10.
- Jardine, Frank, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,784,291; Dec. 9.
- Jarecki, Frank J., Grand Rapids, Mich. Sheet-metal folder. 1,781,180; Nov. 11.
- Jarman, Rush N., Milwaukee, Wis., assignor to Lindsay McMillan Company. Lubricant and producing the same. 1,767,076; June 24.
- Jaroslaws Erste Glimmerwarenfabrik. (See Weiss, Valentin, assignor.)
- Jarosz, John, assignor of one-third to R. Hull and one-third to J. A. Pikor, Central Falls, R. I. Dirigible headlight for automobiles. 1,763,621; June 10.
- Jarratt, Walter J. (See Grange, Leo O., assignor.)
- Jarratt, Walter J., and F. E. Hartman, Chicago, Ill. Vulcanizing apparatus. 1,757,635; May 6.
- Jarrell, W. G., Machine Company. (See Webb, Adolphus M., assignor.)
- Jarrett, Claude W., and G. H. Skerritt, assignors to Brown-Lipe Gear Company, Syracuse, N. Y. Five-speed transmission gearing. 1,756,123; Apr. 29.
- Jarrett, Edwin S., New York, N. Y. Emergency protective covering. 1,748,607; Feb. 25.
- Jarvis, Alfred W., et al. (See Westwood, William, assignor.)
- Jarvis, Charles W., Courtland, Calif. Rake. 1,757,668; May 6.
- Jarvis, Franklin W., Oakland, Calif. Horological instrument. 1,779,707; Oct. 28.
- Jarvis, Fred C., et al. (See Westwood, William, assignor.)
- Jarvis, Henry M., assignor of three-fourths to C. G. Cox, Winfield, Kans. Pumping jack. 1,758,838; May 13.
- Jarvis, Lord L., et al. (See Westwood, William, assignor.)
- Jarvis, W. B., Company. (See Ruppel, Frederick C., assignor.)
- Jarvis, William J. (See Linton, R., and Jarvis.)
- Jasinski, Wladyslaw, Chicago, Ill. Utility folding bed. 1,776,286; Sept. 23.
- Jaskiewicz, Frank, and J. Latko, Chicago, Ill. Combination tobacco box. 1,763,691; July 1.
- Jasper, Peter P., Cokeville, Pa. Burial casket. 1,764,566; June 17.
- Jatlow, Jacob L. (See Crouse, G. B., and Jatlow.)
- Jaton Manufacturing Corporation. (See Seidell, L., and Jack, assignors.)
- Jauch, Martin, assignor to New Jersey Clock Company, Newark, N. J. Clock casing. Des. 81,194; May 20.
- Jauch, Robert J. (See Geyer, B. F., and Jauch.)

- Jauch, Robert J. (See Griffin, W. M., and Jauch.)
- Jauch, Robert J., Fort Wayne, Ind. Paper-strip-controlling mechanism. 1,782,618; Nov. 25.
- Jauch, Robert J., assignor to The Utility Strate Mfg. Co., Fort Wayne, Ind. Bulldozer for chassis frames. 1,753,889; Apr. 8.
- Jauss, Louis, Stuttgart, assignor to E. Kohl, Canstatt, Germany. Ear protector. 1,768,068; June 24.
- Javal, Henri L., Paris, France. Coachwork of automobile vehicles. 1,747,078; Feb. 11.
- Javery, Frank B., assignor to Warp Compressing Machine Company, Worcester, Mass. Thread-controlling device for creels. 1,765,590; June 24.
- Javins, Harry A., assignor to Andrew Elliott and G. Foulks, Elk Grove, Calif. Soap dispenser. 1,770,473; July 15.
- Javitch, Grégori, Levallois-Perret, France. Filter for liquids under pressure. 1,764,567; June 17.
- Jaxheimer, William H., assignor to Smith, Drum & Company, Philadelphia, Pa. Door-locking mechanism for washing-machine cylinders. 1,747,718; Feb. 18.
- Jay, Charles B. (See Stevens, W. E., and Jay.)
- Jay Manufacturing Co. (See Paxton, Sherman H., assignor.)
- Jay, Ted R., Coleman, Tex. Safety gas valve. 1,771,122; July 22.
- Jayne, Charles A., Wynnewood, Pa. Antenna for radio receiving sets. 1,745,096; Jan. 28.
- Jayne, Wade H., Bayside, N. Y. Brush holder. 1,775,558; Sept. 9.
- Jaynes, Robert T., et al. (See King, Augustus T., assignor.)
- Jean, Charles W., Flushing, N. Y. Duplicating machine or copygraph and operating same. 1,745,219; Jan. 28.
- Jeandheur, George E., Great Neck, N. Y. Weather stripping. 1,752,990; Apr. 1.
- Jeannette Shade and Novelty Company. (See Hoel, Carey C., assignor.)
- Jeannin, John F., Toledo, Ohio. Method of, and apparatus for producing steel wool or the like. 1,779,318; Oct. 21.
- Jebsen, Erik G., Kristiansand, Norway, assignor to Curtis & Marble Machine Company, Worcester, Mass. Fabric-trade-marking device. 1,760,361; May 27.
- Jefferies, Frederick L., La Grange, Ill., assignor to International Patents Development Company, Wilmington, Del. Manufacture of starch. 1,750,756; Mar. 18.
- Jeffers, Clarence E., assignor to Martin-Parry Corporation, York, Pa. Window regulator. 1,750,715; Mar. 18.
- Jefferson, Charles J., Springfield, Mass., assignor to J. Stevens Arms Company. Firearms. 1,787,004; Dec. 30.
- Jefferson Construction and Oil Treating Company, The. (See Coggeshall, G. W., and Reilly, assignors.)
- Jefferson Electric Company. (See Cook, Herbert R., assignor.)
- Jefferson Electric Company. (See Daley, J. C., Goddard, and Sola, assignors.)
- Jefferson Electric Company. (See Kellner, Louis, assignor.)
- Jefferson Electric Company. (See Johnson, Chester A., assignor.)
- Jefferson Electric Manufacturing Company. (See Daley, J. C., and Goddard, assignors.)
- Jefferson, Ernest R., New York, N. Y., assignor to Bernitz Furnace Appliance Company, Suffolk County, Mass. Furnace wall. 1,777,922; Oct. 7.
- Jefferson, Glenn V., assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,772,810; Aug. 12.
- Jeffery, George W., Twickenham, England. Fishhook disgorging. 1,777,695; Oct. 7.
- Jeffery, Rupert G., Nashua, N. H. Fastener for door panels. 1,783,150; Nov. 25.
- Jefferys, Frederick R., assignor to The Aetna Rubber Company, Cleveland, Ohio. Ice-cream-cabinet closure. 1,754,793; Apr. 16.
- Jefferys, Robert. (See Dunlop, W. D., and Jefferys.)
- Jeffray, John, Ealing, London, England. Manufacture of splinterless glass. 1,782,852; Nov. 25.
- Jeffrey, Fraser, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Induction-synchronous motor system. 1,784,235; Dec. 9.
- Jeffrey, Harold M., Methuen, assignor to Patent Protection Corporation, Lowell, Mass. Transfer mechanism for looms. 1,781,514; Nov. 11.
- Jeffrey Manufacturing Company, The. (See Armstrong, Walter J., assignor.)
- Jeffrey Manufacturing Company, The. (See Briggs, Robert E., assignor.)
- Jeffrey Manufacturing Company, The. (See Dunlop, Robert R., assignor.)
- Jeffrey Manufacturing Company, The. (See Hibbard, Merrill, assignor.)
- Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
- Jeffrey Manufacturing Company, The. (See Liggett, William K., assignor.)
- Jeffrey Manufacturing Company, The. (See McQuail, James A., assignor.)
- Jeffrey Manufacturing Company, The. (See Muller, Ernst F., assignor.)
- Jeffrey Manufacturing Company, The. (See Ossing, Stanley F., assignor.)
- Jeffrey Manufacturing Company, The. (See Van Slyke, Frederick E., assignor.)
- Jeffrey, Max L., assignor to The White Motor Company, Cleveland, Ohio. Method and apparatus for lining brake bands. 1,747,672; Feb. 12.
- Jeffries, Charles W., assignor of one-half to E. C. Reid, Lake Charles, La. Paper-roll adjustment for typewriters, etc. 1,756,753; Apr. 29.
- Jeffries, Elijah G., Portland, Oreg. Axle-grease protective apparatus. 1,771,440; July 29.
- Jeffries, Ewing I., New Salem, Pa. Page-holding device. 1,780,079; Oct. 28.
- Jeffries, Mack D., Boston, assignor, by mesne assignments, of one-half to E. F. Singer, Newton Highlands, Mass. Carton filler. 1,770,158; July 8.
- Jeffries, Mack D., Boston, assignor, by mesne assignments, of one-half to E. F. Singer, Newton Highlands, Mass. Holder for cones, so called, or other containers of various types. 1,772,489; Aug. 12.
- Jegge, Emil G. (See Smith, P. S., and Jegge.)
- Jehle, Ferdinand, assignor to The White Motor Company, Cleveland, Ohio. Throttle mechanism for internal-combustion engines. 1,784,671; Dec. 9.
- Jehle, Ferdinand, Cleveland, Ohio, and F. Jardine, Detroit, Mich., assignors, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, as trustee. Piston. 1,758,444; May 13.
- Jelbart, Thomas, Ballarat, Victoria, Australia. Reaper thrasher and like harvesting machine. 1,761,346; June 3.
- Jelinek, Rudolph, Chicago, Ill. Display device. 1,752,952; Apr. 1.
- Jelliffe, Howard W., Cleveland, Ohio. Watch-winding mechanism. 1,751,698; Mar. 25.
- Jellison, Allen C., Fort Worth, Tex. Nut lock. 1,770,523; July 15.
- Jellison, Frederick G., Georgetown, Mass. Mortar and pestle. 1,754,468; Apr. 15.
- Jellison, Frederick G., Rowley, Mass. Dispensing device for dental alloy and mercury. 1,767,928; June 24.
- Jenaer Glaswerk Schott & Gen. (See Schott, Erich, assignor.)
- Jenckes, Malcolm A. (See Haselton, P. H., and Jenckes.)
- Jenkins, Alexander F., Baltimore, Md. Gas and air cleaner. 1,746,774; Feb. 11.
- Jenkins, Alexander F., Baltimore, Md. Cutting and welding torch. 1,784,964; Dec. 16.
- Jenkins, Charles E., Manchester, assignor to John J. Griffin and Sons Limited, London, England. Filter. 1,759,984; May 27.
- Jenkins, Charles F., Washington, D. C. Altimeter. 1,756,462; Apr. 29.
- Jenkins, Charles F., Washington, D. C. Loading airplanes. 1,770,700; July 15.
- Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Method of and apparatus for converting light impulses into enlarged graphic representations. Re17,784; Aug. 26.
- Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Grid-leak cell circuit. Re17,766; Aug. 12.
- Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Radio vision analysis. 1,747,173; Feb. 18.
- Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Controlled-aperture scanning disk. 1,748,383; Feb. 25.
- Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Cell persistence transmitter. 1,756,291; Apr. 29.
- Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Synchronous motor coupling. 1,756,689; Apr. 29.
- Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Arc-lamp lens-disk transmitter. 1,763,357; June 10.
- Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Code transmitter receiver. 1,763,358; June 10.
- Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Synchronizing system. 1,766,644; June 24.
- Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Method of and apparatus for transmitting motion pictures. 1,777,409; Oct. 7.
- Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Duplex scanning disk. 1,785,262; Dec. 16.
- Jenkins, Charles H., St. Louis, Mo., assignor to Jenkins Petroleum Process Co., Chicago, Ill. Propeller drive means. 1,744,474; Jan. 21.
- Jenkins, Charles R., Parma, Mich. Holder device. 1,774,201; Aug. 26.
- Jenkins, D. C., Glass Company. (See Adams, Edwin B., assignor.)
- Jenkins, Forrest R., Celina, Ohio. Fluid-pressure relief valve. 1,773,268; Aug. 19.
- Jenkins, Howard, Denver, Colo. Sprinkler. 1,780,233; Nov. 4.
- Jenkins, Howard L., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Shade holder. 1,759,985; May 27.
- Jenkins, Howard L., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Shade support. 1,762,781; June 10.
- Jenkins, Howard O., assignor to F. R. Blake, Baltimore, Md. Ring. Des. 81,092; May 6.

- Jenkins, John W., Emporia, Kans. Wall construction. 1,770,781; July 15.
- Jenkins Laboratories. (See Jenkins, Charles F., assignor.)
- Jenkins Laboratories. (See Ogle, John N., assignor.)
- Jenkins, Nathan, Chicago, Ill. Combination tool. 1,784,488; Dec. 9.
- Jenkins Petroleum Process Co. (See Jenkins, Charles H., assignor.)
- Jenkins, W. M., trustee. (See Berkeley, Laurence J., assignor.)
- Jenkins, Walter B., Oakland City, Ind. Dredge-bucket tooth. 1,769,998; July 8.
- Jenkins, William M., Fullerton, Calif. Fishing tool. 1,743,455; Jan. 14.
- Jenkinson, Ross E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle tire. 1,769,694; July 1.
- Jenkinson, Ross E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 1,781,657; Nov. 11.
- Jenks, Barton P., New York, N. Y., assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or similar article. Des. 82,031; Sept. 16.
- Jenks, Harold C., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system for rolling mills. 1,764,312; June 17.
- Jenne, Jacob. (See Mesker, L. H., and Jenne.)
- Jenne, Jacob, assignor to The Cleveland Planer Company, Cleveland, Ohio. Lubricator for planers. 1,746,040; Feb. 4.
- Jenne, Jacob, assignor to The Cleveland Planer Company, Cleveland, Ohio. Rail-adjusting mechanism. 1,758,321; May 13.
- Jenne, Jacob, assignor to The Cleveland Planer Company, Cleveland, Ohio. Control mechanism for open-side planers. 1,774,061; Aug. 26.
- Jenner, James, assignor of one-half to K. Schumacher, Los Angeles, Calif. Ceiling vent. 1,755,784; Apr. 22.
- Jenner, Ralph L. (See Woodruff, W. W., 3d, and Jenner.)
- Jenney, Robert T., Los Angeles, Calif., assignor, by mesne assignments, to Cross Parking Systems, Inc., Chicago, Ill. Micrometer spring-buffer stop. 1,768,360; June 24.
- Jennings, Annette R., Brookline, assignor to Annette's Perfect Cleanser Co., Boston, Mass. Cleanser. 1,775,040; Sept. 2.
- Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Automatic power controller for pneumatic dispatch systems. 1,746,193; Feb. 4.
- Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic carrier. 1,773,360; Aug. 19.
- Jennings, Chester S., and L. C. Allen, assignors to The Lamson Company, Syracuse, N. Y. Conveyor system. 1,780,486; Nov. 4.
- Jennings, Irving C., South Norwalk, Conn. Sewage-ejecting system. 1,746,428; Feb. 11.
- Jennings, Irving C., South Norwalk, Conn. Rotary gas pump. 1,756,594; Apr. 29.
- Jennings, Irving C., South Norwalk, Conn. Duplex wet vacuum pumping apparatus. 1,756,595; Apr. 29.
- Jennings, Irving C., South Norwalk, Conn. External support for bearings of motor-driven pumps. 1,756,645; Apr. 29.
- Jennings, Irving C., South Norwalk, Conn. Rotary pump. 1,766,751; June 24.
- Jennings, Irving C., South Norwalk, Conn. Hydroturbine pump. 1,766,752; June 24.
- Jennings, Irving C., South Norwalk, Conn. Sewage-ejecting mechanism. 1,779,319; Oct. 21.
- Jennings, Irving C., South Norwalk, Conn. Sump or bilge pump. 1,780,679; Nov. 4.
- Jennings, Irving C., South Norwalk, Conn. Sealing device for centrifugal pumps. 1,783,427; Dec. 2.
- Jennings, Irving C., South Norwalk, Conn. Pressure-control mechanism for vacuum heating systems. 1,783,428; Dec. 2.
- Jennings, Irving C., assignor to Nash Engineering Company, South Norwalk, Conn. Centrifugal water pump. 1,759,313; May 20.
- Jennings, Irving C., assignor to Nash Engineering Company, South Norwalk, Conn. Journal box. 1,778,258; Oct. 14.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Powder box. Des. 80,442; Feb. 4.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 82,559; Nov. 18.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Lighter. Des. 82,608; Nov. 25.
- Jennings, Melvin O., Lexington, assignor to H. H. Beckwith, Brookline, Mass. Shoe heater. 1,753,705; Apr. 8.
- Jennings, Melvin O., Arlington, assignor to H. H. Beckwith, Brookline, Mass. Shoe heater. 1,758,256; May 13.
- Jennings, Melvin O., Lexington, assignor to H. H. Beckwith, Brookline, Mass. Shoe heater. 1,760,905; June 3.
- Jennings, O. D., & Company. (See Jennings, Ode D., assignor.)
- Jennings, Ode D., Chicago, Ill., assignor to O. D. Jennings & Company. Vending-machine casing or similar article. Des. 81,446; June 24.
- Jennings, Ode D., assignor to O. D. Jennings & Company, Chicago, Ill. Casing for a weighing and vending machine. Des. 82,943; Dec. 30.
- Jennings, Oliver S., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay protective system. 1,750,268; Mar. 11.
- Jennings, Richard A., Provincetown, Mass. Feeder. 1,745,541; Feb. 4.
- Jennings, R. G., Yarn Cleaning Machine Co. Inc., The. (See Jennings, Robert G., assignor.)
- Jennings, Robert G., assignor to The R. G. Jennings Yarn Cleaning Machine Co. Inc., Elmira, N. Y. Circular-knitting machine. 1,742,255; Jan. 7.
- Jennings, Robert G., assignor to The R. G. Jennings Yarn Cleaning Machine Co. Inc., Elmira, N. Y. Knitting machine for spot-dyeing apparatus. 1,767,762; June 24.
- Jennings, Robert G., assignor to The R. G. Jennings Yarn Cleaning Machine Co. Inc., Elmira, N. Y. Detector mechanism for knitting machines. 1,784,446; Dec. 9.
- Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stop motion for box looms. 1,766,907; June 24.
- Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing loom. 1,786,659; Dec. 30.
- Jennings, William B., Maplewood, assignor to Ideal Filter Co., St. Louis, Mo. Dry-cleaning plant. 1,770,236; July 8.
- Jennison, Harry G., and C. R. Faben, Toledo, Ohio; said Faben assignor to said Jennison. Coking. 1,749,138; Mar. 4.
- Jenny, Emil G., Seattle, Wash. Chair. 1,747,900; Feb. 18.
- Jenny, Will P., Strasburg, Ohio, assignor to the firm Exploration G. m. b. H., Hanover, Germany. Adjustable stand for portable balances. 1,780,158; Nov. 4.
- Jensch, Heinrich, Hochst-on-the-Main, and O. Eisleb, Hofheim-on-the-Taunus, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Basic nitro derivatives of 9 aminoacridine and preparing the same. 1,782,727; Nov. 25.
- Jensen, Aage, Los Angeles, Calif. Portable liquid-treating apparatus. 1,759,405; May 20.
- Jensen, Aage, Los Angeles, Calif. Apparatus for treating liquids. 1,772,898; Aug. 12.
- Jensen, Arthur P., Marvin, S. Dak. Snowplow. 1,749,481; Mar. 4.
- Jensen, Axel V., Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Rotary cement-burning kiln. 1,781,845; Nov. 18.
- Jensen, Bertel M., Redondo Beach, Calif. Fishing tool. 1,758,364; May 13.
- Jensen Creamery Machinery Company. (See Cornell, Fritz G., jr., assignor.)
- Jensen, Danes, Dunedin, New Zealand. Mining or dredging plant. 1,758,047; May 13.
- Jensen, Ferdinand L., Kildare, N. Y. Fastener. 1,786,115; Dec. 23.
- Jensen, Frederick H., Seattle, Wash. Pump. 1,782,144; Nov. 18.
- Jensen, Gunnar, assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,777,566; Oct. 7.
- Jensen, Gustav B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand telephone. Des. 81,539; July 8.
- Jensen, Hans E., Huntington, Utah. Brake block. 1,765,275; June 17.
- Jensen, Harald, Oslo, Norway. Manufacturing thick webs of wood pulp, cellulose, and similar materials. 1,756,754; Dec. 23.
- Jensen, Henry E. (See Vilneau, W. W., and Chittenden, assignors.)
- Jensen, Henry K., St. Paul, Minn. Drink-mixing device. 1,764,079; June 17.
- Jensen, Jedd L., Salt Lake City, Utah. Ventilator. 1,785,263; Dec. 16.
- Jensen, Jens, Sønderhav Post Holbol, Denmark, assignor to Bayerische Eggenfabrik Akt.-Ges., Nuremberg, Germany. Harrow. 1,757,865; May 6.
- Jensen, John E., Toronto, Ontario, assignor to The Allcock-Laight & Westwood Co., Toronto, Canada. Fishing lure. 1,782,204; Nov. 18.
- Jensen, Karl E., assignor to Industrial Gloves Corporation, Chicago, Ill. Glove. 1,750,473; Mar. 11.
- Jensen, Karl E., assignor to Industrial Gloves Corporation, Chicago, Ill. Glove. 1,779,673; Oct. 28.
- Jensen, Karl K., Piedmont, Calif. Electromagnetic sound reproducer. 1,750,009; Mar. 11.
- Jensen, Lars D., San Diego, Calif. Forming artificial-rock scenery. 1,776,999; Sept. 30.
- Jensen, Martin L., Cullom, Ill. Bundle-carrier attachment. 1,768,697; July 1.
- Jensen, Nels, Grass Valley, Calif. Sunshade. 1,755,736; Apr. 22.
- Jensen, Niels H., Portland, Oreg. Combination bench and writing desk. 1,766,077; June 24.
- Jensen, Peter L. (See Pridham, E. S., and Jensen.)
- Jensen, Peter W., Princeton, Minn. Snap hook. 1,767,368; June 24.
- Jensen, Thorvald, St. Louis, Mo., assignor to The Winther Company, Wilmington, Del. Automotive drive. 1,784,524; Dec. 9.
- Jensen, Viggo. (See Alstrup, C., and Jensen.)
- Jensen, William, Pasadena, Calif. Liquid-whipping apparatus. 1,782,095; Nov. 18.

- Jentzen, George H., Jersey City, N. J. Clothespin. 1,761,630; June 3.
- Jepp, Augustus E. (See Franchere, H. A., and Jepp.)
- Jeppsson, Ivar. (See Hanson, R. C., and Jeppsson.)
- Jepsen, Henry, Collinsville, Conn. Packaging cementing compounds. 1,762,782; June 10.
- Jepson, Douglas. (See Hollins, J., and Jepson.)
- Jeremiassen, Finn, assignor to A/S Krystal, Oslo, Norway. Separately recovering soluble substances in a coarse granular condition. 1,751,740; Mar. 25.
- Jermář, František, Opava, Czechoslovakia. Weir shutter. 1,754,108; Apr. 8.
- Jerram, Arthur E., Oadby, England. Power-driven lawn mower. 1,755,958; Apr. 22.
- Jerram, Arthur E., Leicester, England. Starting device for motor-driven machines. 1,782,304; Nov. 18.
- Jerred, Cecil B. (See Newey, J. G., and Jerred.)
- Jerry, Carl R., Rochester, assignor to Shur-on Standard Optical Company, Inc., Geneva, N. Y. Attachment for eyeglass cases. 1,776,946; Sept. 30.
- Jertberg, Paul E., Glendale, Calif. Automatic tank siphon. 1,755,218; Apr. 22.
- Jespersen, Helgo W., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for coating cores. 1,765,533; June 24.
- Jess, Henry, Sabula, Iowa. Attachment for harrows. 1,751,158; Mar. 18.
- Jessen, Adolfo O., Valparaiso, Chile. Apparatus to facilitate aeronavigation. 1,742,355; Jan. 7.
- Jessen, Arnold H., Los Angeles, Calif. Transmission. 1,743,781; Jan. 14.
- Jessen, Arnold H., Los Angeles, Calif. Multiple-power clutch. 1,766,823; June 24.
- Jessen, Charles C., Passaic, assignor to Napon Rayon Corporation, Clifton, N. J. Apparatus for treating articles with liquid. 1,759,646; May 20.
- Jessen, Hans P., Omaha, Nebr. Adjustable shore. 1,781,063; Nov. 11.
- Jessen, James, and J. P. Marrin, assignors to The Marrin Foundry, Inc., Minneapolis, Minn. Fluting and forming machine. 1,775,432; Sept. 9.
- Jesser, Albert E. (See McCrery, H. E., and Jesser.)
- Jessop, Francis W., Cleveland Heights, Ohio, assignor to The Ohio Electric & Controller Company, Cleveland, Ohio. Lifting magnet. 1,767,458; June 24.
- Jessop, George A. (See Gibbs, E. U., and Jessop.)
- Jessop, George A., assignor to S. Morgan Smith Co., York, Pa. Bearing for turbine shafts. 1,742,256; Jan. 7.
- Jessup, Richard D., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for coating strands. 1,782,425; Nov. 25.
- Jesswein, Adolph J., Kenosha, Wis. Rocking-horse. 1,784,875; Dec. 16.
- Jett, George C., assignor of two-fifths to W. H. Stiemke, Milwaukee, Wis. Driving-sprocket mount. 1,748,571; Feb. 25.
- Jett, George C., assignor of two-fifths to W. H. Stiemke, Milwaukee, Wis. Front-axle bumper. 1,765,764; June 24.
- Jett, George C., assignor of two-fifths to W. H. Stiemke, Milwaukee, Wis. Hauling unit. 1,785,124; Dec. 16.
- Jettinger, Carl A., Portland, Oreg. Folder for accounting systems. 1,742,993; Jan. 7.
- Jetton, Walter T., De Leon, Tex. Animal trap. 1,743,036; Jan. 7.
- Jevne, Evan, Wetaskiwin, Alberta, Canada. Wagon seat. 1,748,652; Feb. 25.
- Jewell, Edward W., San Diego, Calif. Rotary valve mechanism for internal-combustion engines. 1,777,523; Oct. 7.
- Jewell Electrical Instrument Company. (See Miller, John H., assignor.)
- Jewell Electrical Instrument Co. (See Simpson, Ray, assignor.)
- Jewell, Howard W., Los Angeles, Calif. Distributing conduit. 1,781,726; Nov. 18.
- Jewell, Raymond L., Millcreek Township, Erie County, assignor to American Sterilizer Company, Erie, Pa. Steam-generator-controlling mechanism. 1,764,453; June 17.
- Jewitt, Dennis E., Old Bilton, near Rugby, England, assignor to General Electric Company. Electric ship-propulsion system. 1,754,021; Apr. 8.
- Jezek, Anton, assignor of one-half to G. A. Bethke, Hopkins, Minn. Combined automobile and aeroplane. 1,756,463; Apr. 29.
- Jffa Ges. m. b. H. (See Schworetzky, Gustav, assignor.)
- Jimenez, Honorato. (See Hurley, H. A., Jones, and Jimenez.)
- Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Spring handle for percussive tools. 1,760,985; June 3.
- Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Spike extractor. 1,771,712; July 29.
- Jipp, August, Berlin-Spandau, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt near Berlin, Germany. Neutralizing disturbances, especially of telegraph signals transmitted by radio. 1,770,485; July 15.
- Jipp, August, Berlin-Spandau, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Receiving telegraphic signals. 1,782,534; Nov. 25.
- Jirotko, Bohumil, Berlin, Germany, assignor to the firm Dr. Otto Sprenger Patentverwertung Jirotko m. b. H., Vaduz, Liechtenstein. Production of dark oxidic coatings on magnesium and magnesium alloys. 1,747,776; Feb. 18.
- Joaquin, Nathan E., assignor of one-half to J. E. Stewart, Los Angeles, Calif. Steering stabilizer. 1,787,042; Dec. 30.
- Job, Wolfgang, Berlin-Dahlem, Germany, assignor to American Lurgi Corporation, New York, N. Y. Smelting ore and other zinc-containing materials. 1,748,450; Feb. 25.
- Job, Wolfgang, Berlin-Dahlem, Germany, assignor to American Lurgi Corporation, New York, N. Y. Blast furnace for reduction and recovery of volatilizable metals as oxides and operating the same. 1,759,559; May 20.
- Jobe, Walter L., sr., Topeka, Kans. Radio toy. 1,763,788; June 17.
- Jobes, Wilmot, Atlantic City, N. J. Portable crane. 1,759,406; May 20.
- Jobst, Gunther, and H. Roder, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Double-grid-tube transmitter. 1,770,486; July 15.
- Jochum, J. H., jr. (See Weber, John J., assignor.)
- Jochum, Joseph H., jr. (See Rode, F. J., and Jochum.)
- Jodeck, Paul. (See Cattaneo, G., and Jodeck.)
- Joel, Joseph, Los Angeles, Calif. Ring. 1,747,586; Feb. 18.
- Joerissen, Carl A., Washington, D. C. Typewriting machine. 1,753,890; Apr. 8.
- Joffe, Morris, New York, N. Y. Corn-popping apparatus. 1,744,900; Jan. 28.
- Joham, Charles W., Los Angeles, Calif., assignor to Stern, Jcham & Grossman Co. Inc. Base for a stand. Des. 81,982; Sept. 9.
- Johannes, Angus W., Valley, Nebr. Silt accumulator. 1,775,820; Sept. 16.
- Johannesson, Benno. (See Helmert, R., and Johannes-son.)
- Johanning, Carlos F., Denison, Tex. Auxiliary base and switch attachment for telephones. 1,783,936; Dec. 2.
- Johannsen, Christoph M. (See Tremper, S. N., and Johannsen.)
- Johannsen, Friedrich, Magdeburg, assignor to Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Recovering gasifiable metals as oxides. 1,754,169; Apr. 8.
- Johannsen, Friedrich, Magdeburg, assignor to The firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Treating ores and metallurgical products, slags, and the like. 1,754,170; Apr. 8.
- Johannsen, Friedrich, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg, Magdeburg-Buckau, Germany. Working up complex ores and metallurgical products. 1,762,867; June 10.
- Johannssen, Ernst, assignor to Schaefer & Fiedelmeyer, Hamburg, Germany. Closure for bottles and jars. 1,752,090; Mar. 25.
- Johansen, Johannes I., et al. (See Wagner, Thomas S. S., assignor.)
- Johansen, Rasmus D. (See Kittredge, E. E., Forster, and Johansen.)
- Johanson, Adolph T., Chicago, Ill. Window ventilator. 1,744,387; Jan. 21.
- Johanson, Hermann, and G. Köppel, Nuremberg, Germany. Rotary force-feed piston pump. 1,747,245; Feb. 18.
- Johansson, Amanda. (See Knutsson, Karl E., assignor.)
- Johansson, Johan E., assignor to Aktiebolaget Gotaverken, Gottenborg, Sweden. Gas-generating combustion engine. 1,783,018; Nov. 25.
- Johansson, Johan P., Enköping, Sweden. Adjustable support for electric lamps. 1,761,832; June 3.
- Johansson, Johan P., Enköping, Sweden. Adjustable support for electric lamps. 1,772,284; Aug. 5.
- Johansson, Karl A. A., Stockholm, Sweden. Conveyor for shoes and the like. 1,766,645; June 24.
- Johansson, Karl G., Fridhem, Storvreta, Sweden. Pump. 1,777,923; Oct. 7.
- Johansson, Karl O. R., Appelviken, assignor to Aktiebolaget Lindholmen-Motala, Motala Verkstad, Sweden. Sink mine. 1,780,592; Nov. 4.
- Johansson, Per W., New York, N. Y. Plectrum holder. 1,784,934; Dec. 16.
- Johansson, Sven A. F., and A. O. Dahlström, Stockholm, Sweden. Controlling pressure gauge. 1,753,118; Apr. 1.
- Johantgen, Oliver D., Lake Bluff, Ill., assignor to Victor Adding Machine Co. Flexible handle connection for calculating machines. 1,757,669; May 6.
- John, Arthur S., Stanton, South Wales, assignor to Dim-Dazzle (Parent) Company Limited, London, England. Antiglare attachment for windshields of automobiles. Des. 81,242; May 27.
- John, Harry J., Washington, Pa., assignor, by mesne assignments, to N. A. Emery, Youngstown, Ohio. Pickling composition. 1,776,858; Sept. 30.
- John, Kenneth B., Wilmington, Del., C. W. Coslow and C. J. Schwindt, Pittsburgh, Pa., assignors to The Selden Company, Pittsburgh, Pa. Preparing contact mass. 1,764,024; June 17.
- John, Robert, New York, N. Y. Positive motion-picture film. 1,778,139; Oct. 14.

John, Robert, Long Branch, N. J., assignor to Arjon Chemical Co. Fuel for internal-combustion engines. 1,753,294; Apr. 8.

John, Wesley E., Johannesburg, Transvaal, South Africa. Producing a straight-line motion of lenses. 1,768,772; July 1.

John, William J., Croydon, and H. Wright, jr., London, England; said Wright, jr., assignor to said John. Electric fuse. 1,783,242; Dec. 2.

John-Werk Grafische Maschinen-Aktiengesellschaft. (See Stegmann, Karl, assignor.)

Johns, Carl O., Elizabeth, N. J., assignor to Standard Oil Development Company. Motor fuel. 1,757,837; May 6.

Johns, Carl O., Elizabeth, N. J., assignor to Standard Oil Development Company. Liquid fuel. 1,757,838; May 6.

Johns, George H., assignor of one-half to S. Mustakos, New Haven, Conn. Game or toy. 1,781,463; Nov. 11.

Johns, Harold E., Lansdowne, Pa., assignor to Cover & Company, Philadelphia, Pa. Leather-sorting machine. 1,765,234; June 17.

Johns, Herman S., Ada, Okla. Scraper-blade attachment for brooms. 1,760,648; May 27.

Johns-Manville Corporation. (See Black, William M., assignor.)

Johns-Manville Corporation. (See Christenson, George, assignor.)

Johns-Manville Corporation. (See Eisenhardt, Frank J., assignor.)

Johns-Manville Corp. (See Lawrence, William H., assignor.)

Johns-Manville Corporation. (See Mallay, Paul D., assignor.)

Johns-Manville Corporation. (See Mazza, Adolfo, assignor.)

Johns-Manville Corporation. (See Sanders, Floyd A., assignor.)

Johns-Manville Corporation. (See Wilbur, Lawrence S., assignor.)

Johns, Milton G., Lancaster, Pa. Antiglare device. 1,767,179; June 24.

Johnsen, Alfred J., Durban, South Africa. Spring wheel for vehicles. 1,765,160; June 17.

Johnsen, Bjornulf. (See Baker, D. S., and Johnsen.)

Johnsen, Bjornulf, Brooklyn, N. Y., assignor to D. S. Baker, Greenwich, Conn. Apparatus for handling materials. 1,772,047; Aug. 5.

Johnsen, Carsten I. (See Baetz, Henry, assignor.)

Johnsen, Martin, Antioch, and F. C. Holling, San Francisco, Calif. Door-operating mechanism. 1,771,637; July 29.

Johnson, A. J., & Sons Furniture Co. (See Olsen, Carl M., assignor.)

Johnson, Albert, New York, N. Y. Elevator-guide-rail lubricating device. 1,743,894; Jan. 14.

Johnson, Albert, New York, N. Y. Lubricating device. 1,770,036; July 8.

Johnson, Albert C., assignor to The Loudon Machinery Company, Fairfield, Iowa. Roof structure. 1,753,862; Apr. 8.

Johnson, Albert G., Fellows, and C. W. Dewing, Taft, Calif. Safety chamber for submerged vessels. 1,765,233; June 17.

Johnson, Albert M., assignor to Barnes Drill Co., Rockford, Ill. Rotary work support. 1,779,674; Oct. 28.

Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Machine tool. 1,782,573; Nov. 25.

Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Honing machine. 1,783,019; Nov. 25.

Johnson, Alexander E., Chicago, Ill. Astronomical apparatus. 1,765,336; June 17.

Johnson, Alfred A., Sacramento, Calif. Automatic hydraulic transmission. 1,752,385; Apr. 1.

Johnson, Alfred E., assignor to The Weepah Manufacturing Corporation, Denver, Colo. Slug eliminator for vending machines. 1,752,798; Apr. 1.

Johnson, Alfred F., West Somerville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,746,194; Feb. 4.

Johnson, Alfred J., assignor to Andrew Hoffman Manufacturing Co., Chicago, Ill. Casement-window fastener. 1,786,247; Dec. 23.

Johnson, Alfred K., assignor to The Alfred Johnson Skate Co., Chicago, Ill. Skate clamp. 1,760,238; May 27.

Johnson, Alfred, Skate Co., The. (See Johnson, Alfred K., assignor.)

Johnson, Algot F., Minneapolis, Minn. Road grader. 1,782,992; Nov. 25.

Johnson, Allan W., Newark, N. J., assignor to Westinghouse Lamp Company. Wire-cutting mechanism. 1,783,620; Dec. 2.

Johnson, Almon A., Superior, Wis. Steering machine. 1,776,118; Sept. 16.

Johnson, Alvin L., Worcester, Mass., assignor to Walker Manufacturing Company, Racine, Wis. Double-screw jack. 1,759,621; May 20.

Johnson, Alvin L., Worcester, assignor to W. G. Warren, Holden, Mass. Pawl motion. 1,771,221; July 22.

Johnson, Andrew G., Lincoln, Nebr. Renewable rubber bearing. 1,775,282; Sept. 9.

Johnson, Andrew S., St. Paul, Minn. Dry poultry feeder. 1,780,392; Nov. 4.

Johnson, Andrew W., Kansas City, Mo. Oil and gasoline register. 1,774,015; Aug. 26.

Johnson, Arden R., St. Charles, Mo. Timer for electric circuit. 1,779,545; Oct. 28.

Johnson, Arnold E. W. (See Raney, C. R., and Johnson.)

Johnson, Arnold E. W., and A. W. Wessman, Chicago, Ill., assignors to International Harvester Company. Feeder for thrashers. 1,768,985; July 1.

Johnson, Arthur, assignor to Standard Crayon Manufacturing Company, Danvers, Mass. Shipping, storage, and display box for crayons. 1,744,388; Jan. 21.

Johnson, Arthur, assignor to R. P. M. Davis, Mount Union, Pa. Brickmaking machine. 1,779,213; Oct. 21.

Johnson, Arthur A., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,771,087; July 22.

Johnson, Arthur A., assignor to Dictaphone Corporation, Bridgeport, Conn. Automatic clutch control for phonographs. 1,778,762; Oct. 21.

Johnson, Arthur L. (See Johnson, Walter J. and A. L.)

Johnson, Arthur L., Oak Park, Ill. Chair hinge. 1,779,738; Oct. 28.

Johnson, Arthur W., La Crosse, Wis. Over-the-top display rotator. 1,777,438; Oct. 7.

Johnson, Arvid W., Los Angeles, Calif. Display device. 1,784,597; Dec. 9.

Johnson, August, assignor of one-half to R. C. Lewis, Fargo, N. Dak. Flexible connection and connector for high-pressure grease guns. 1,778,217; Oct. 14.

Johnson, August G., Monessen, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Reinforcement fabric. 1,773,897; Aug. 26.

Johnson, August I., Medford, Mass. Electric lamp. 1,774,515; Sept. 2.

Johnson, August O., Chicago, Ill. Motor. 1,766,519; June 24.

Johnson Automatic Sealer Co. (See Robinson, George A., assignor.)

Johnson Automobile Lock Co. (See Johnson, Colvin L., assignor.)

Johnson, Axel, Oakland, assignor to American Can Company, San Francisco, Calif. Can-testing machine. 1,754,321; Apr. 15.

Johnson, Axel, Staveland, Alberta, Canada. Portable heater for drying grain. 1,757,716; May 6.

Johnson, Axel A., Holly, Mich. Wire cutter. 1,767,077; June 24.

Johnson, Axel E., Chicago, Ill. Live-bait holder. 1,745,169; Jan. 28.

Johnson, Ben F., assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,785,554; Dec. 16.

Johnson, Benjamin L., Garfield, Utah. Concentration of ores. 1,763,851; June 17.

Johnson, Benjamin L., Garfield, Utah. Tetrathio diphospho organic compound. 1,763,852; June 17.

Johnson, Bernice H., Boulder, Colo. Book. 1,765,979; June 24.

Johnson Bronze Company. (See Leis, Carl H., assignor.)

Johnson Brothers Engineering Corporation. (See Johnson, Harry L., assignor.)

Johnson Brothers Engineering Corporation. (See Johnson, Louis J., assignor.)

Johnson, C. A., et al. (See Franchere, H. A., and Jepp, assignors.)

Johnson, Carl E., assignor to Boeing Airplane Company, Seattle, Wash. Instrument panel for aircraft. 1,754,954; Apr. 15.

Johnson, Carl E., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Bottom attachment for nonreversing attachment for motor-driven pump heads. 1,764,263; June 17.

Johnson, Carl E., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Weather-proof pump motor. 1,764,793; June 17.

Johnson, Carl E., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Variable-speed squirrel-cage motor. 1,772,719; Aug. 12.

Johnson, Carl J. A., assignor to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm. Planing machine provided with fixed-knives drawers. 1,770,106; July 8.

Johnson, Carl L., Jamestown, N. Y. Dust collector. 1,765,871; June 24.

Johnson, Carl W. (See Shott, C. F., Luce, and Johnson.)

Johnson, Charles, Ruddell, Saskatchewan, Canada. Motor license holder. 1,774,143; Aug. 26.

Johnson, Charles A. (See Carlson, Charles N., assignor.)

Johnson, Charles B., Seymour, Tex. Delayed circuit-breaking light switch. 1,752,091; Mar. 25.

Johnson, Charles D., assignor to Johnson Steel & Wire Co. Inc., Worcester, Mass. Coating wire. 1,771,379; July 22.

Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Apparatus for coating wire. 1,783,429; Dec. 2.

Johnson, Charles E., New York, N. Y. Kitchenette and medicine cabinet. 1,756,828; Apr. 29.

Johnson, Charles E., Muskegon, Mich. Piston ring. 1,782,427; Nov. 25.

Johnson, Charles E., Muskegon, Mich. Oil-conserving piston. 1,782,428; Nov. 25.

Johnson, Charles E., Muskegon, assignor to The Piston Ring Company, Muskegon Heights, Mich. Piston ring. 1,782,426; Nov. 25.

Johnson, Charles H. (See Miller, A. E., and Johnson.)

Johnson, Charles H., Sacramento, Calif. Thimble structure. 1,744,269; Jan. 21.

Johnson, Charles S., Champaign, Ill. Bin. 1,754,516; Apr. 15.

- Johnson, Charles S., Champaign, Ill. Valve. 1,783,621; Dec. 2.
- Johnson, Chester A., assignor to Jefferson Electric Company, Chicago, Ill. Switch-box mounting. 1,747,673; Feb. 18.
- Johnson, Chester A., assignor to Jefferson Electric Company, Chicago, Ill. Cable clamp. 1,756,360; Apr. 29.
- Johnson, Chester A., assignor to Jefferson Electric Company, Chicago, Ill. Outlet-box mounting. 1,756,361; Apr. 29.
- Johnson, Chester F., Detroit, Mich. Building. 1,742,861; Jan. 7.
- Johnson, Chester F., Detroit, Mich. Carburetor. 1,761,729; June 3.
- Johnson, Clarence G., Hartford City, Ind. Movable molding for closure members. 1,783,919; Dec. 2.
- Johnson, Clarence G., Hartford City, Ind. Double overhead door. 1,784,292; Dec. 9.
- Johnson, Clarence V., assignor to one-third to H. L. Ream and one-third to F. Kimball, Wichita, Kans. Street and highway marker. 1,763,431; June 10.
- Johnson, Claude R., Guymon, Okla., assignor to The Claudeson Laboratory Inc., Wilmington, Del. Window ventilator. 1,754,559; Apr. 15.
- Johnson, Claudia. (See Hart, Leslie J., assignor.)
- Johnson, Colvin L., assignor to Johnson Automobile Lock Co., St. Louis, Mo. Transmission lock. 1,769,137; July 1.
- Johnson, Conrad T. (See Fuhrberg, H., and Johnson.)
- Johnson, Cornelius F., Powell, Wyo. Weeding attachment for cultivators. 1,770,648; July 15.
- Johnson, Corydon M., Farmingdale, assignor to Fairchild Airplane Manufacturing Corporation, New York, N. Y. Airplane-wing connection. 1,749,769; Mar. 11.
- Johnson, David C., Waratah, New South Wales, Australia. Luggage carrier for automobiles. 1,743,220; Jan. 14.
- Johnson, David W., Chicago, Ill. Check writer. 1,759,815; May 20.
- Johnson, Dolphus L., Glendora, Miss. Planter. 1,758,607; May 13.
- Johnson, Douglas H., Coombe Pines, Kingston Hill, England. Suspension means for sound-reproducing devices. 1,778,671; Oct. 14.
- Johnson, Earl J., Silver Bow, Mont. Spark plug. 1,754,718; Apr. 15.
- Johnson, Edward, Oakland, Calif. Key duplicator. 1,752,668; Apr. 1.
- Johnson, Edward E., St. Paul, Minn. Apparatus for feeding, positioning, and discharging metal blanks. 1,778,005; Oct. 7.
- Johnson, Edward E., St. Paul, Minn. Deep-well pump. 1,778,497; Oct. 14.
- Johnson, Edward E., St. Paul, Minn. Making coupling members. 1,784,966; Dec. 16.
- Johnson, Edward G., New Philadelphia, assignor of one-half to F. G. Kraum, Dover, Ohio. Chock. 1,757,866; May 6.
- Johnson, Edward G., Cape May, N. J. Parachute and aerial life buoy. 1,765,075; June 17.
- Johnson, Edward T., Greenfield, assignor to The New England Box Company, Greenfield, Mass. Wire-bound box and making the same. 1,780,709; Nov. 4.
- Johnson, Edwin. (See Klim, A. H., Johnson, Nelson, Belin, and Lundsten.)
- Johnson, Edwin J., Montreal, Quebec, Canada. Bullet and the manufacture of same. 1,769,263; July 1.
- Johnson, Edwin S., New York, N. Y. Dredging machine. 1,769,999; July 8.
- Johnson, Einar A., Brooklyn, N. Y. Bullet and bullet guide. 1,746,397; Feb. 11.
- Johnson, Eldridge R. F., Moorestown, and S. T. Williams, Woodbury, N. J., assignors to Victor Talking Machine Company. Combined tone arm and electrical pick-up. 1,742,257; Jan. 7.
- Johnson, Ellsworth W., assignor to Midwest Motor Supply, Hector, Minn. Hat holder. 1,770,782; July 15.
- Johnson, Elmer E., Joplin, Mo. Game apparatus. 1,784,068; Dec. 9.
- Johnson, Elmer L., Celoron, N. Y. Combination pen holder and ash tray. Des. 81,286; June 3.
- Johnson, Elmo W., Hicksville, N. Y. Tractor hitch. 1,758,951; May 20.
- Johnson, Emil, Salt Lake City, Utah. Device for straightening automobile bodies and frames. 1,773,187; Aug. 19.
- Johnson, Emil E., San Francisco, Calif. Combination locked switch. 1,774,098; Aug. 26.
- Johnson, Eric E. (See Cross, J. W., and Johnson.)
- Johnson, Eric G., Harrison, Idaho. Chuck. 1,748,511; Feb. 25.
- Johnson, Eric G., Brooklyn, N. Y. Button. 1,780,555; Nov. 4.
- Johnson, Eric G., assignor of one-half to L. M. Davenport, Trenton, N. J. Bag clasp. 1,780,880; Nov. 4.
- Johnson, Erick A., Pine Bluffs, Wyo. Potato-digger blade. 1,780,235; Nov. 4.
- Johnson, Erik W., assignor of one-half to L. A. Kamradt, Chicago, Ill. Mold and core for line-casting machines. 1,749,770; Mar. 11.
- Johnson, Ernest G. (See Palmer, G. E., and Johnson.)
- Johnson, Ernest S., Webster City, Iowa. Casing for a toaster or similar article. Des. 80,348; Jan. 14.
- Johnson, Ernest S., assignor to Knapp-Monarch Company, Webster City, Iowa. Electric toaster. 1,756,784; Apr. 29.
- Johnson, Ernest S., Webster City, Iowa, assignor to Knapp-Monarch Company, St. Louis, Mo. Insulated container. 1,771,123; July 22.
- Johnson, Ernest S., assignor to Knapp-Monarch Company, Webster City, Iowa. Corn popper. 1,776,691; Sept. 23.
- Johnson Fare Box Company. (See Leppla, George C., assignor.)
- Johnson, Fay. (See Cramer, Lester G., assignor.)
- Johnson, Fay V., assignor to Evansville Basket and Crate Company, Evansville, Ind. Basket cover and method of making. 1,745,542; Feb. 4.
- Johnson, F. Coit, et al., trustees. (See McConnell, Thomas, assignor.)
- Johnson, Frank A., Portland, Oreg. Waste-valve mechanism. 1,766,712; June 24.
- Johnson, Frank A., Felts Mills, N. Y., assignor of one-fourth to J. H. O'Connell, Springfield, Mass., one-fourth to J. D. Haskell, and one-fourth to Dilts Machine Works, Inc., Fulton, N. Y. Chemical-pulp paper-making process. 1,786,538; Dec. 30.
- Johnson, Frank L., Akron, Ohio. Turning lathe. 1,758,520; May 13.
- Johnson, Fred, Freeport, Ill. Garment hanger. 1,770,159; July 8.
- Johnson, Fred E., La Crosse, Wis. Christmas-tree holder. 1,770,853; July 15.
- Johnson, Fred R., Hamburg, N. Y. Art of separating and apparatus therefor. 1,744,967; Jan. 28.
- Johnson, Frederick H., Detroit, Mich. Electric welding machine. 1,750,757; Mar. 18.
- Johnson, Frederick H., South Pasadena, Calif. Sprinkler head. 1,766,126; June 24.
- Johnson, Frederick W., Excelsior, Minn. Pump jack. 1,777,169; Sept. 30.
- Johnson, Fritz, Racine, Wis., assignor, by mesne assignments, to Stephenson Underwear Mills, South Bend, Ind. Printing machine. 1,770,487; July 15.
- Johnson, Fritz, Racine, Wis., assignor, by mesne assignments, to Stephenson Underwear Mills, South Bend, Ind. Printing machine. 1,781,395; Nov. 11.
- Johnson, Fritz R., Providence, R. I. Vanity case. 1,765,726; June 24.
- Johnson, George, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Toilet-seat hinge. 1,784,630; Dec. 9.
- Johnson, George A., assignor to W. H. Miner, Inc., Chicago, Ill. Composite cotter-pin arrangement. 1,743,857; Jan. 14.
- Johnson, George A., and S. B. Haseltine, assignors to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,765,835; June 24.
- Johnson, George T. (See Filander, A. H., and Johnson.)
- Johnson, George T., State Sanatorium, Md. Sunshade for automobiles. 1,755,991; Apr. 22.
- Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-truck construction. 1,745,679; Feb. 4.
- Johnson, George T., and H. W. Stertzbach, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Bolster. 1,752,741; Apr. 1.
- Johnson, George W. (See Carroll, E. J., and Johnson.)
- Johnson, Gilbert K. (See Johnson, John T., and G. K.)
- Johnson, Gustaf, Duluth, Minn. Chain hook. 1,753,607; Apr. 8.
- Johnson, Gustaf I., Malden, Mass. Flash-light. 1,775,166; Sept. 9.
- Johnson, Gustav, West Roxbury, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,751,239; Mar. 18.
- Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Button. 1,754,201; Apr. 8.
- Johnson, Gustav, West Roxbury, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,760,833; May 27.
- Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener. 1,769,695; July 1.
- Johnson, Gustav, West Roxbury, Mass., assignor to United Carr Fastener Corporation, Cambridge, Mass. Fastener socket. 1,778,259; Oct. 14.
- Johnson, Gustave A., Irvington, N. J., assignor to American Metal Molding Co. Armored electric cable. 1,757,049; May 6.
- Johnson, Halligan, San Diego, Calif. Amusement ride apparatus. 1,781,464; Nov. 11.
- Johnson, Harry, Sweetwater, Nebr. Traffic signal. 1,767,369; June 24.
- Johnson, Harry C. (See Bast, D. D., and Johnson.)
- Johnson, Harry C., Chicago, Ill., assignor to Self Locking Carton Company. Egg container. 1,763,588; June 10.
- Johnson, Harry L., Minneapolis, Minn. Grain separator. 1,762,632; June 10.
- Johnson, Harry L., Waukegan, Ill., assignor to Johnson Brothers Engineering Corporation, South Bend, Ind. Method and apparatus for relieving compression in outboard motors for starting. 1,746,533; Feb. 11.
- Johnson, Harry L., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Internal-combustion engine. 1,755,260; Apr. 22.
- Johnson, Hanning, New Britain, Conn. Window-screen fastener. 1,777,494; Oct. 7.

- Johnson, Henry A., Northfield, Mass. Buoyant bathing device. 1,749,820; Mar. 11.
- Johnson, Henry G., assignor to Summit Thread Company, East Hampton, Conn. Sewing machine shuttle bobbin. 1,786,618; Dec. 30.
- Johnson, Herbert B., Larchmont, N. Y. Centrifugal basket and lining therefor. 1,770,854; July 15.
- Johnson, Herbert B., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone trunk circuit. 1,751,207; Mar. 18.
- Johnson, Herbert B., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,767,929; June 24.
- Johnson, Herbert W., Ogdensburg, N. Y. Automobile license-plate holder and parking indicator. 1,774,378; Aug. 26.
- Johnson, Herman, Felch, Mich. Combined spring and shock absorber. 1,776,732; Sept. 23.
- Johnson, Herman W., assignor to Stiles-Herman Manufacturing Company, St. Louis, Mo. Metal-working tool. 1,778,949; Oct. 21.
- Johnson, Hjalmar E., San Francisco, Calif. Machine for cleaning and digging ditches. 1,762,441; June 10.
- Johnson, Homer R., Los Angeles, Calif. Kitchen utensil. 1,783,651; Dec. 2.
- Johnson, Horace, and W. A. Ramsay, Honolulu, Hawaii. Cane cutting and delivering mechanism. 1,761,987; June 3.
- Johnson, Howard A., Norfolk, Va., assignor to J. G. Wilson Corporation, New York, N. Y. Rolling-door-curtain mounting. 1,776,119; Sept. 16.
- Johnson, Howard L. (See Gann, G. K., Painter, Johnson, and Frykman.)
- Johnson, Jack A., Robbinsdale, Minn. Windshield. 1,758,703; May 13.
- Johnson, Jack A., Robbinsdale, Minn. Circuit wiring for windshields and the like. 1,758,704; May 13.
- Johnson, James A., assignor to A. W. Stimson, Los Angeles, Calif. Straight-line transmission. 1,781,924; Nov. 18.
- Johnson, James A., assignor to A. W. Stimson, Los Angeles, Calif. Transmission mechanism. 1,781,925; Nov. 18.
- Johnson, James B., Poplar, Minn. Rural mail box. 1,784,447; Dec. 9.
- Johnson, Jay F. (See Riddell, F. P., and Johnson.)
- Johnson, Jay M., Chicago, Ill., assignor, by mesne assignments, to P. J. Nagle, Rochester, N. Y. Repair link for nonskid tire chains. 1,757,252; May 6.
- Johnson, Jesse C., assignor to S. T. Johnson Co., Oakland, Calif. Furnace front. 1,743,674; Jan. 14.
- Johnson, Jesse H., Denver, Colo. Photographic camera. 1,750,758; Mar. 18.
- Johnson, John, Percival, Saskatchewan, Canada. Cylinder grinder. 1,745,015; Jan. 28.
- Johnson, John, Richmond, Calif. Automobile turning signal. 1,746,480; Feb. 11.
- Johnson, John, Honolulu, Hawaii. Bed-spring fabric. 1,780,352; Nov. 4.
- Johnson, John, Maplewood, N. J. Screen for filter presses. 1,767,078; June 24.
- Johnson, John, Maplewood, N. J., assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixer. 1,757,197; May 6.
- Johnson, John, Maplewood, N. J., assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixer. 1,768,955; July 1.
- Johnson, John, Maplewood, N. J., assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing apparatus. 1,768,956; July 1.
- Johnson, John, Maplewood, N. J., assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing or emulsifying apparatus. 1,768,957; July 1.
- Johnson, John A. (See Lemcke, Charles F., assignor.)
- Johnson, John A. (See Williams, C. E., and Johnson.)
- Johnson, John A., New York, N. Y. Assembling apparatus for receptacle closures. 1,768,605; July 1.
- Johnson, John A., Woodhaven, N. Y. Apparatus for feeding closure caps. 1,784,010; Dec. 9.
- Johnson, John A., assignor to Johnson Manufacturing Company, Crawfordsville, Ind. Water softener. 1,742,356; Jan. 7.
- Johnson, John B. (See Buckley, O. E., and Johnson.)
- Johnson, John E., Aurora, Ill. Die-sinking or engraving machine. 1,753,206; Apr. 8.
- Johnson, John E., Litchfield, Minn. Mixing machine for viscous and granular materials. 1,760,906; June 3.
- Johnson, John E., assignor to Speedamat Manufacturing Company, Chicago, Ill. Paper-cutting device. 1,754,362; Apr. 15.
- Johnson, John E., assignor to Speedamat Manufacturing Company, Chicago, Ill. Automatic stop for printing machines. 1,757,310; May 6.
- Johnson, John E., assignor to Speedamat Manufacturing Company, Chicago, Ill. Device for recording sales transactions. 1,769,028; July 1.
- Johnson, John E., assignor to Speedamat Manufacturing Company, Chicago, Ill. Printing machine. 1,769,138; July 1.
- Johnson, John F., Philadelphia, Pa., assignor, by mesne assignments, to J. F. Holmes, New York, N. Y. Incased compressor. 1,778,719; Oct. 21.
- Johnson, John F., assignor to Weber Costello Company, Chicago Heights, Ill. Movable meridian for globes. 1,782,924; Nov. 25.
- Johnson, John F., assignor to Weber Costello Company, Chicago Heights, Ill. Ventilated blackboard installation. 1,784,900; Dec. 16.
- Johnson, John G., Dennison, Minn. Fence post. 1,764,207; June 17.
- Johnson, John O., assignor, by mesne assignments, to Enterprise Holding Company, Minneapolis, Minn. Snowplow and hitch. 1,746,947; Feb. 11.
- Johnson, John O., White Bear, assignor, by mesne assignments, to Enterprise Holding Company, Minneapolis, Minn. Snowplow with extension wings. 1,747,302; Feb. 18.
- Johnson, John O., assignor, by mesne assignments, to Enterprise Holding Company, Minneapolis, Minn. Snowplow with top discharge. 1,754,322; Apr. 15.
- Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Universal milling machine. 1,763,708; June 17.
- Johnson, John T., and G. K., Buffalo, N. Y. Penholder. 1,745,799; Feb. 4.
- Johnson & Johnson. (See Bibb, C. H., and Mathey, assignors.)
- Johnson & Johnson. (See Hayden, Robert P., assignor.)
- Johnson & Johnson. (See Johnson, Robert W., assignor.)
- Johnson & Johnson. (See Mathey, Gustave S., assignor.)
- Johnson, Jonas G., Baltimore, Md. Fireplace. Des. 81,195; May 20.
- Johnson, Jonas G., Baltimore, Md. Fireplace. Des. 81,196; May 20.
- Johnson, Joseph A., deceased, Chicago, by M. M. Hennessy, executor, La Grange, and G. W. Chalmers, Summit, Ill., assignors to International Patents Development Company. Sheet-feeding apparatus. 1,748,572; Feb. 25.
- Johnson, Joseph, Prescott, assignor of one-half to E. R. Jackson, Phoenix, Ariz. Rotary engine. 1,767,985; June 24.
- Johnson, Joseph B. (See Pemberton, U. C., and Johnson.)
- Johnson, Joseph B., Alfalfa, Okla. Four-wheeled-trailer hitch. 1,752,638; Apr. 1.
- Johnson, Joseph N., Irwin, Calif. Vehicle spring. 1,753,420; Apr. 8.
- Johnson, Joseph O., Coalinga, Calif. Well-capping device. 1,786,848; Dec. 30.
- Johnson, Josiah F., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oil-sealing ring for turbine bearings. 1,749,586; Mar. 4.
- Johnson, Kenneth S., Jersey City, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Electrical network. 1,781,396; Nov. 11.
- Johnson Laboratories, Inc. (See Polydoroff, Wladimir J., assignor.)
- Johnson, Lane, Ingram, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Roll table. 1,749,431; Mar. 4.
- Johnson, Lane, Ingram, assignor to The United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill. 1,753,268; Apr. 8.
- Johnson, Lane, Ingram, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for transferring coiled material. 1,757,772; May 6.
- Johnson, Lane, Ingram, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Automatic cropping shears. 1,767,763; June 24.
- Johnson, Lane, Ingram, assignor to United Engineering & Foundry Co., Pittsburgh, Pa. Electrical control system. 1,778,672; Oct. 14.
- Johnson, Lane, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Coil conveyer. 1,779,381; Oct. 21.
- Johnson, Lawrence E., Melrose, and E. C. Leach, West Peabody, assignors to Lynn Products Co., Lynn, Mass. Fuel-oil burner. 1,764,794; June 17.
- Johnson, Lawrence L., Los Angeles, Calif. Aeroplane. 1,782,965; Nov. 25.
- Johnson, Leonard T., Newark, N. J. Scale mechanism. 1,767,213; June 24.
- Johnson, Lewis H. (See Carpenter, W. W., and Johnson.)
- Johnson, Lincoln V. (See Gardner, George D., assignor.)
- Johnson, Lloyd E. (See Sparks, W., and Johnson.)
- Johnson, Louis, Chicago, Ill. Artificial fish lure. 1,785,310; Dec. 16.
- Johnson, Louis C., Fayette, Ala. Stringed musical instrument. 1,752,180; Mar. 25.
- Johnson, Louis E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Indicating device. 1,743,354; Jan. 14.
- Johnson, Louis J., Waukegan, Ill., assignor to Johnson Brothers Engineering Corporation, South Bend, Ind. Stream-line construction. 1,763,970; June 17.
- Johnson, Malcolm S., Chicago, assignor to E. P. Smith, Springfield, Ill. Connecting means for floor racks. 1,772,720; Aug. 12.
- Johnson, Manfred J., assignor to Dictaphone Corporation, Bridgeport, Conn. Device for electrically recording telephonic sounds and conversations and system therefor. 1,782,619; Nov. 25.
- Johnson Manufacturing Company. (See Johnson, John A., assignor.)
- Johnson, Martin E., Chicago, Ill. Vise. 1,772,899; Aug. 12.
- Johnson, Martin E., Chicago, assignor of one-half to I. J. Wilson, Winnetka, Ill. Pipe bender. 1,762,230; June 10.
- Johnson, Marvin. (See Millis, P. A., and Johnson.)
- Johnson, Maud B. (See Belcher, Gertrude, assignor.)
- Johnson, Maude E. (See Kahn, B. and Johnson.)

- Johnson Metal Products Co. (See Johnson, Paul G., assignor.)
- Johnson Metal Products Company. (See Johnson, Theodore, and P. G., assignors.)
- Johnson, Minnie P., Long Beach, Calif. Garment. 1,783,572; Dec. 2.
- Johnson, Nelson V., Fullerton, Calif. Drier apparatus. 1,770,593; July 15.
- Johnson, Neville G., Hove, England. Winding up of spring-driven devices. 1,752,181; Mar. 25.
- Johnson, Norman O., assignor to Illinois Carton & Label Company, Chicago, Ill. Collapsible tube protector. 1,782,429; Nov. 25.
- Johnson, Oliver, Hollywood, Calif., and R. G. Sanders, Spokane, Wash. Control mechanism for concrete-mixing apparatus. 1,781,549; Nov. 11.
- Johnson, Oliver L., et al., trustees. (See McConnell, Thomas, assignor.)
- Johnson, Orville C. (See Green, Nathan F., assignor.)
- Johnson, Orville C., Aurora, Ill. Halter. 1,747,012; Feb. 11.
- Johnson, Orville E., Chattanooga, Tenn. Kite apparatus. 1,746,157; Feb. 4.
- Johnson, Oscar, New York, N. Y. Wrench. 1,754,684; Apr. 15.
- Johnson, Oscar, Glendale, Calif. Mechanical movement. 1,761,128; June 3.
- Johnson, Oscar L., Sister Bay, Wis. Razor-blade-stropping holder. 1,743,607; Jan. 14.
- Johnson, Oscar W., assignor to Ward-Love Pump Corporation, Rockford, Ill. Strainer nozzle. 1,751,638; Mar. 25.
- Johnson, Otis O., Moline, Ill. Trimmer. 1,786,849; Dec. 30.
- Johnson, Otto E., Menominee, Mich. Traffic signal. 1,757,050; May 6.
- Johnson, Paul G. (See Johnson, Theodore and P. G.)
- Johnson, Paul G., Erie, assignor to Johnson Metal Products Co., Erie, Pa. Screen. 1,780,823; Nov. 4.
- Johnson, Peter B., Fremont, Nebr. Stacker. 1,780,925; Nov. 11.
- Johnson, Robert A. (See Fancher, C. J., and Johnson.)
- Johnson, Robert A. (See Hubbard, G., Fancher, Sevigne, and Johnson.)
- Johnson, Robert S. (See Quisenberry, James H., assignor.)
- Johnson, Robert W., assignor to Johnson & Johnson, New Brunswick, N. J. Belt clasp. 1,766,337; June 24.
- Johnson, Ross H., Chicago, Ill. Metatarsal cushion. 1,775,202; Sept. 9.
- Johnson, Roy W. (See Gauger, F. A., and Johnson.)
- Johnson, Roy W., Columbus, Ohio, assignor to The Checker Cab Manufacturing Company, Kalamazoo, Mich. Motor vehicle head-lamp. Des. 82,535; Nov. 11.
- Johnson, Roy W., Columbus, Ohio, assignor to The Checker Cab Manufacturing Company, Kalamazoo, Mich. Combined tail and stop light for motor vehicles. Des. 82,825; Dec. 16.
- Johnson, Roy W., Milwaukee, Wis., assignor, by mesne assignments, to The Time-O-Stat Controls Company. Time-controlled apparatus. 1,774,275; Aug. 26.
- Johnson, Roy W., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp socket. 1,779,169; Oct. 21.
- Johnson, Russell H. (See Szekely, O. E., and Johnson.)
- Johnson, Russell H., and O. E. Szekely, Moline, assignors to Brown Lynch Scott Co., Monmouth, Ill. Wheeled harrow. 1,762,633; June 10.
- Johnson, Ruth, Owls Head, Me. Paintbrush. 1,767,986; June 24.
- Johnson, S. T. Co. (See Johnson, Jesse C., assignor.)
- Johnson, Samuel W., assignor of one-half to R. I. Springstead, Port Allegany, Pa. Attachment for fretted musical instruments. 1,785,311; Dec. 16.
- Johnson Service Company. (See Fortier, Charles L., assignor.)
- Johnson, Seth, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Bearing construction. 1,745,425; Feb. 4.
- Johnson, Sidney P., assignor to Standard Oil Company of California, San Francisco, Calif. Floating-roof tank. 1,758,225; May 13.
- Johnson, Stanley G., Hartford, Conn. Ejector for the contents of collapsible tubes. 1,773,104; Aug. 19.
- Johnson Steel & Wire Company. (See Johnson, Charles D., assignor.)
- Johnson-Stephens & Shinkle Shoe Company. (See Martin, Frank J., assignor.)
- Johnson-Stephens & Shinkle Shoe Company. (See Spalsbury, Charles B., assignor.)
- Johnson, Sylvester A., North Providence, assignor to Spedel Bros., Providence, R. I. Clasp. 1,775,167; Sept. 9.
- Johnson, Sylvester A., North Providence, assignor to Spedel Bros., Providence, R. I. Wrist-strap end member. 1,778,029; Oct. 14.
- Johnson, Theodore, Erie, and P. G. Johnson, Wesleyville, assignors to Johnson Metal Products Company, Erie, Pa. Screen for swinging windows. 1,772,353; Aug. 5.
- Johnson, Theodore, Erie, and P. G. Johnson, Wesleyville, assignors to Johnson Metal Products Company, Erie, Pa. Hinge. 1,783,475; Dec. 2.
- Johnson, Thomas W., Mountain View, assignor to V. H. Owen, Oakland, Calif. Method of and apparatus for treating fruit trees. 1,783,430; Dec. 2.
- Johnson, Tomlinson F., jr., Atlanta, Ga. High-tension switch. 1,749,537; Mar. 4.
- Johnson, Treat B., Bethany, Conn., assignor to Winthrop Chemical Company, New York, N. Y. Catechol thiazoles and making the same. 1,743,083; Jan. 7.
- Johnson-Vea, Charles T., and W. A. Braun, assignors to Dover Manufacturing Company, Dover, Ohio. Tubular heating unit. 1,754,003; Apr. 8.
- Johnson, Victor E., assignor of one-half to J. E. Wolcott, Royal Oak, Mich. Door latch. 1,784,935; Dec. 16.
- Johnson, Voley A., Columbus, and J. J. Lawler, Camp Chase, assignors to N. C. Mathews and W. R. Conaway, New Lexington, Ohio. Pipe fitting. 1,746,775; Feb. 11.
- Johnsen, Wallace C., South Orange, N. J., assignor to The Safety Dry Cleaning System Company, Philadelphia, Pa. Washer. 1,771,638; July 29.
- Johnson, Wallace D., assignor to Yates American Machine Company, Beloit, Wis. Cutter-head quick release. 1,763,928; June 17.
- Johnson, Walter, Houston, Tex. Refining oil. 1,767,459; June 24.
- Johnson, Walter J., Evanston, and A. L. Johnson, Oak Park, Ill. Chair back. 1,769,294; July 1.
- Johnson, Walter J. O., assignor to The Allbright-Nell Company, Chicago, Ill. Sausage-linking mechanism. 1,759,851; May 27.
- Johnson, Warren V., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,748,131; Feb. 25.
- Johnson Washer Company, The. (See Schuyler, Frank B., assignor.)
- Johnson, Wilber M., East Cleveland, Ohio, assignor to General Electric Company. Making electric lamps. 1,769,840; July 1.
- Johnson, Wilfred G., assignor to The Colson Company, Elyria, Ohio. Caster. 1,743,143; Jan. 14.
- Johnson, Wilfred G., assignor to The Colson Company, Elyria, Ohio. Caster. 1,752,742; Apr. 1.
- Johnson, Wilfred G., assignor to The Colson Company, Elyria, Ohio. Caster. 1,753,183; Apr. 1.
- Johnson, Willard M., assignor of twelve and one-fourth per cent to W. A. Oberkrom, twelve and one-fourth per cent to P. S. Jamerson, twelve and one-fourth per cent to P. C. Jamerson, and twelve and one-fourth per cent to J. H. Hall, Kansas City, Mo. Combined cooking and heating apparatus. 1,756,690; Apr. 29.
- Johnson, William, Chicago, Ill. Household tool. 1,779,170; Oct. 21.
- Johnson, William A., Manchester, assignor to Woodbury Shoe Mfg. Co., Derry, N. H. Boot or shoe. 1,773,681; Aug. 19.
- Johnson, William A., Manchester, N. H., assignor to Woodbury Shoe Mfg. Co., Derry, N. H. Device for use in the manufacture of boots or shoes. 1,786,619; Dec. 30.
- Johnson, William C., assignor to Machinery Development Company, Milwaukee, Wis. Apparatus for setting out leather. 1,763,359; June 10.
- Johnson, William C., Bethel, assignor to The Clark Box Company, Danbury, Conn. Machine for baking hat stays. 1,768,768; July 1.
- Johnson, William H., Arlington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Strip-feeding device. 1,776,260; Sept. 23.
- Johnson, William J., Oakland, Calif. Edge-finishing machine. 1,758,401; May 13.
- Johnson, William O. (See Parker, C. J., Johnson, and Carter.)
- Johnson, William S. (See Tyler, J. G., Taylor, and Johnson.)
- Johnsson, Emil T., Chicago, Ill. Temperature-controlling apparatus. Re17,646; Apr. 22.
- Johnsson, Karl G. (See Wincrantz, K. F., and Johnsson.)
- Johnston, Alan C., Kenil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing alkyl esters of abietic acid. 1,749,482; Mar. 4.
- Johnston, Alan C., Kenil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing alkyl esters of abietic acid. 1,749,483; Mar. 4.
- Johnston, Alan C., Kenil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing resin esters. 1,771,044; July 22.
- Johnston, Carlton C., Sweetwater, Tex. Excavating machine. 1,757,908; May 6.
- Johnston, Charles S., and J. R. Alcott, Chicago, Ill. Draft-gear key retainer. 1,761,266; June 3.
- Johnston, Clarence L., Oakland, and C. M. Friden, Piedmont, assignors to Marchant Calculating Machine Company, Oakland, Calif. Calculating machine. 1,764,959; June 17.
- Johnston, Dick, Buffalo, Wyo. Animal trap. 1,744,901; Jan. 28.
- Johnston, Dick, Buffalo, Wyo. Spring equalizer. 1,767,987; June 24.
- Johnston, Edward A., D. B. Baker, and C. R. Hagen, assignors to International Harvester Company, Chicago, Ill. Cotton picker. 1,755,825; Apr. 22.
- Johnston, Edward A., Chicago, B. R. Benjamin, Oak Park, D. B. Baker, and C. R. Hagen, Chicago, Ill., assignors to International Harvester Company. Cotton picker. 1,786,851; Dec. 30.
- Johnston, Edward A., G. M. Merwin, and H. A. Watchek, Chicago, Ill., assignors to International Harvester Company. Ensilage harvester. 1,786,850; Dec. 30.
- Johnston, Ernest T. (See Werner, F. W., and Johnston.)
- Johnston, Frank B., Roselle Park, N. J. Scaffold machine. 1,745,491; Feb. 4.

- Johnston, Frank B., Roselle Park, N. J. Cable scaffold. 1,750,269; Mar. 11.
- Johnston, Frank E., Detroit, and N. J. Coash, Romulus, Mich. Roughening machine. 1,745,100; Jan. 28.
- Johnston, Frank L., Everett, Mass. Graduated magnetic control of brakes or clutches. 1,748,773; Feb. 25.
- Johnston, Henry P., Canton, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Carpet-cleaning machine. 1,760,599; May 27.
- Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Mixing machine. 1,747,443; Feb. 18.
- Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food-handling machine. 1,766,999; June 24.
- Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Waste-food-handling apparatus. 1,767,001; June 24.
- Johnston, Herbert L., and D. A. Meeker, assignors to The Hobart Manufacturing Company, Troy, Ohio. Food-handling apparatus. 1,767,000; June 24.
- Johnston, Herbert L., and D. A. Meeker, assignors, by mesne assignments, to The Kitchen Aid Manufacturing Company, Troy, Ohio. Food-handling apparatus. 1,767,002; June 24.
- Johnston, Howard L., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Post structure. 1,763,156; June 10.
- Johnston, Howard M. (See Harris, B. S., and Johnston.)
- Johnston, James R., Philadelphia, Pa. Depository. 1,771,332; July 22.
- Johnston, James S., Utica, assignor, by mesne assignments, to Eclipse Textile Devices Incorporated, Elmira Heights, N. Y. Apparatus for coloring portions of yarn in mass. 1,745,097; Jan. 28.
- Johnston, James T., assignor to American Writing Paper Company, Holyoke, Mass. Covering for plater rolls. 1,752,005; Mar. 25.
- Johnston, John, La Crosse, Wis. Binding post. 1,776,859; Sept. 30.
- Johnston, John, New Haven, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated conductor and manufacturing the same. 1,757,717; May 6.
- Johnston, John, Jr., Escondido, assignor of one-half to J. R. Townsend, Los Angeles, Calif. Refining liquid hydrocarbons. 1,766,338; June 24.
- Johnston, John, Jr., Escondido, assignor of one-half to J. R. Townsend, Los Angeles, Calif. Refining hydrocarbons. 1,766,339; June 24.
- Johnston, Jordie J., Abilene, Tex. Apparatus for cleaning swimming pools. 1,787,274; Dec. 30.
- Johnston, Joseph W., Steubenville, Ohio. Brake drum. 1,745,801; Jan. 28.
- Johnston, Joseph W., Steubenville, Ohio. Brake drum. 1,780,234; Nov. 4.
- Johnston, Luther C., Morganton, assignor of one-fourth to J. E. Garrison and one-fourth to J. Kjellander, Burke County, N. C. Self-lathering safety razor. 1,744,902; Jan. 28.
- Johnston, Luther C., Morganton, assignor of one-fourth to J. E. Garrison and one-fourth to J. Kjellander, Burke County, N. C. Cutter head. 1,750,474; Mar. 11.
- Johnston, Lynn, and F. A. Tice, assignors to The Electric Railway Equipment Company, Cincinnati, Ohio. Trolley-suspension clamp. 1,765,836; June 24.
- Johnston, Robert T., New Brunswick, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Cooling method and mechanism. 1,756,947; May 6.
- Johnston, Robert T., New Brunswick, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass. Machine for coating. 1,764,080; June 17.
- Johnston, Thomas J., Bradford, Pa. Water-heating coll. 1,768,069; June 24.
- Johnston, William H., Proctor, Minn. Adjustable liner. 1,782,846; Nov. 18.
- Johnston, William M., assignor to Gullett Gin Company, Amite, La. Curved seed board for cotton gins. 1,755,008; Apr. 15.
- Johnston, William R., assignor to The Perfection Driving Light Co., Omaha, Nebr. Dirigible driving light. 1,746,118; Feb. 4.
- Johnstone, Edward C., Newark, assignor, by mesne assignments, to Film-Eau Corporation, Newark, N. J. Tank alarm switch. 1,776,287; Sept. 23.
- Johnstone, Robert McC., Summit, N. J. assignor to Cameron Machine Company, Brooklyn, N. Y. Interconnected controlling device for winding and roll-ejecting mechanism. 1,760,362; May 27.
- Johnstone, Robert McC., Roselle Park, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Cutting and perforating machine. 1,768,070; June 24.
- Johnstone, Robert McC., Roselle Park, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Combined slitting and winding machine. 1,768,407; June 24.
- Joiner, Sylvester L., McGregor, Tex. Reversible placard holder for tank cars. 1,749,943; Mar. 11.
- Joiner, William C. H., Jr., Camden, N. J. Closet. 1,763,524; June 10.
- Jolitz, Friedrich W., West Duluth, Minn. Composition of matter for use as a building material. 1,772,149; Aug. 5.
- Jolly, James, Bolton, England, assignor to Whitin Machine Works, Whitinsville, Mass. Counterbalance mechanism for builder levers. 1,777,797; Oct. 7.
- Jolly, James, Deane, Bolton, England. Ring spinning and doubling frame. 1,753,119; Apr. 1.
- Jolly, Samuel J. (See Harris, H. H., Whittingslowe, and Jolly.)
- Jonap, Alfred M., et al. (See Landsberger, Lenore K., assignor.)
- Jonas, Gottfried B. (See Brandsma, W. F., Dijksterhuis, Sizoo, and Jonas.)
- Jonas, Gottfried B. (See Holst, G., Jonas, and Bouwers.)
- Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Transformer apparatus. 1,746,259; Feb. 11.
- Jonas, Julius, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Device for the selective protection of high-tension transformers. 1,748,451; Feb. 25.
- Jonas, Julius, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Ignition device for mercury-arc rectifiers. 1,781,330; Nov. 11.
- Jonas, Richard A., East Williston, N. Y. Clip attachment for file folders. 1,747,246; Feb. 18.
- Jones, Abraham L., Logansport, Ind. Disappearing bed. Re1,7647; Apr. 22.
- Jones, Abraham L., Logansport, Ind. Combination door and wall bed. 1,769,224; July 1.
- Jones, Albert E., assignor to Vickers-Armstrongs Limited, Westminster, London, England. Device for carrying heavy bodies on and releasing them from aircraft. 1,784,011; Dec. 9.
- Jones, Alfred, Lancaster, Pa., assignor, by mesne assignments, to The Cott-A-Lap Company, Somerville, N. J. Color carriage for machines for printing floor coverings. 1,778,673; Oct. 14.
- Jones, Archdale J., New York, N. Y., assignor to B. Darach, A. D. Marks, and F. J. Foster. Casing or similar container. Des. 82,609; Nov. 25.
- Jones, Arthur, assignor to U. S. Smelting Furnace Company, Belleville, Ill. Brick-grinding machine. 1,767,136; June 24.
- Jones, Arthur B., Plainfield, N. J., assignor to Industrial Associates, Incorporated, New York, N. Y. Method and apparatus for obtaining solids from liquids. 1,758,745; May 13.
- Jones, Barton, Los Angeles, Calif. Automatic boiler-control system. 1,769,139; July 1.
- Jones, Benjamin N. (See Lewis, J. D., Jones, and Schlaf.)
- Jones, Benjamin N., Glen Ridge, assignor to Otis Elevator Company, Jersey City, N. J. Brake. 1,772,867; Aug. 12.
- Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Time-delay controlling device and system. 1,768,452; June 24.
- Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. 1,773,623; Aug. 19.
- Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Controlling device. 1,786,306; Dec. 23.
- Jones Brothers Company. (See Jones, Robert B., assignor.)
- Jones, Cecil R. (See Sherer, Ralph, assignor.)
- Jones, Chaney B., Fulton, Ky. Vehicle pilot or wheel guard. 1,769,955; July 8.
- Jones, Charles C., Phoenix, Ariz. Testing instrument for electrical condensers. 1,786,910; Dec. 30.
- Jones, Charles E., Philadelphia, Pa. Skiing machine. 1,758,402; May 13.
- Jones, Charles E., Griffin, Ga. Construction unit. 1,781,234; Nov. 11.
- Jones, Charles H. Le P., Sault Ste. Marie, Ontario, and W. J. Hussey, Espanola, Ontario, Canada. Automatic wrapping machine. 1,764,081; June 17.
- Jones, Charles L. (See Arensberg, F. L., Jackman, and Jones.)
- Jones, Charles L. (See Jackman, A. J., and Jones.)
- Jones, Charles L., Pittsburgh, Pa., and J. D. Small Douglaston, assignors to Dryice Equipment Corporation, New York, N. Y. Storage and transportation of solid carbon dioxide. 1,786,161; Dec. 23.
- Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Frame of a chair or settee. Des. 81,197; May 20.
- Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Frame of a chair or settee. Des. 81,243; May 27.
- Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Chair. Des. 81,287; June 3.
- Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Frame of a chair or settee. Des. 81,366; June 10.
- Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Chaise lounge. Des. 81,480; July 1.
- Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Settee. Des. 81,481; July 1.
- Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Frame of a chair or settee. Des. 81,933; Sept. 2.

- Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Chair. Des. 81,934; Sept. 2.
- Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Frame of a chair or settee. Des. 81,935; Sept. 2.
- Jones, Charlie T., Poplar Bluff, Mo. Aeroplane. 1,775,559; Sept. 9.
- Jones, Chester and J., Haskell, Tex. Trailer hitch. 1,777,090; Sept. 30.
- Jones, Clifford C., Detroit, Mich. Airfoil. 1,764,842; June 17.
- Jones, David C., Chesnee, S. C., assignor to Draper Corporation, Hopedale, Mass. Mechanism for weaving striped cloth. 1,765,339; June 17.
- Jones, David H., Soda Springs, Calif. Egg opener. 1,765,491; June 24.
- Jones, David J., assignor to Bell & Gossett Company, Chicago, Ill. System of pressure and temperature regulation for heaters. 1,780,393; Nov. 4.
- Jones, David T., et al. (See Tallent, Joseph A., assignor.)
- Jones, Deyo, Detroit, assignor to A. C. Fox, Grand Rapids, Mich. Lubricating device. 1,746,655; Feb. 11.
- Jones, E. D., & Sons Co. (See Jones, Edward A., assignor.)
- Jones, Earl R., assignor to American Engineering Company, Philadelphia, Pa. Current collector for hoisting apparatus. 1,752,182; Mar. 25.
- Jones, Earle M. (See Kalikow, S. M., and Jones.)
- Jones, Edgar B., Oregon, Ill. Piano. 1,770,983; July 22.
- Jones, Edward A., assignor to E. D. Jones & Sons Co., Pittsfield, Mass. Jordan engine. 1,774,556; Sept. 2.
- Jones, Edward N., Pittsburgh, Pa., assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Truck for transporting concrete. 1,756,091; Apr. 29.
- Jones, Edward N., Pittsburgh, Pa., assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Reconditioning concrete after transportation. 1,779,708; Oct. 28.
- Jones, Edward P., New York, N. Y. Aircraft construction. 1,761,444; June 3.
- Jones, Edwin, East Cleveland, Ohio. Uncoupling device for railway cars. 1,751,040; Mar. 18.
- Jones, Edwin A., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Gas furnace. Re17,817; Sept. 30.
- Jones, Edwin F., and J. A. Auld, assignors to Erie Steel Construction Company, Erie, Pa. Measuring apparatus. 1,746,776; Feb. 11.
- Jones, Edwin W. (See Hall-Brown, A., and Jones.)
- Jones, Edwin W., Lincoln, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat-transfer device. 1,782,574; Nov. 25.
- Jones, Elmer M. (See Green, M., and Jones.)
- Jones, Elmer M., assignor to Parker Rust-Proof Company, Detroit, Mich. Coated iron and steel articles and making the same. 1,750,270; Mar. 11.
- Jones, Elmore D. (See Jones, Winfield S., assignor.)
- Jones, Ernest B. (See Clark, G. J. J., and Jones.)
- Jones, Evan M., and C. A. Writer, Ashtabula, assignors of one-third to The Falcon Bronze Company, Youngstown, Ohio, one-third to said Jones, and one-third to said Writer. Rolling-mill bearing. 1,771,791; July 29.
- Jones, Everett, Lebanon, Ind. Vehicle signal. 1,787,382; Dec. 30.
- Jones, Floyd E., et al. (See Matthews, O. C., and Malcom, assignors.)
- Jones, Fordyce C., Paddington, London, England. Breast support. 1,775,365; Sept. 9.
- Jones, Frank E., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Mechanism for producing reinforced hosiery. 1,779,239; Oct. 21.
- Jones, Frank H., et al. (See Jones, Frank H., assignor.)
- Jones, Frank H., Cleveland, assignor to A. B. Whitney and F. H. Jones, Upper Sandusky, Ohio. Clutch. 1,756,428; Apr. 29.
- Jones, Frank S., Seattle, Wash. Electrical circuit. 1,752,639; Apr. 1.
- Jones, Fred L., Jackson Heights, N. Y., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Metal-working apparatus. 1,748,045; Feb. 18.
- Jones, Frederick A., Floranada, assignor to United Shutter Awning Company, Fort Lauderdale, Fla. Awning shutter. 1,748,293; Feb. 25.
- Jones, Frederick A., and G. W. Klaucke, assignors to Hobbs Manufacturing Company, Worcester, Mass. Box-form attachment for covering machines. 1,750,716; Mar. 18.
- Jones, Frederick C., Camden, N. J., assignor to Victor Talking Machine Company. Sheet-metal horn elbow. 1,751,002; Mar. 18.
- Jones, Frederick C., and W. S. Enderich, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Fixture for forming bearings. 1,777,567; Oct. 7.
- Jones, George A., Piapot, Saskatchewan, Canada. Stubble burner. 1,754,022; Apr. 8.
- Jones, George D., assignor to C. Moreing, Sacramento, Calif. Lubricating system. 1,754,859; Apr. 15.
- Jones, George F., London, England. Rotary fan and heat exchanger. 1,762,272; June 10.
- Jones, George F., assignor, by mesne assignments, to British Metallic Packings Company (1929) Limited, London, England. Packing and lubricating rods and shafts. 1,776,911; Sept. 30.
- Jones, George L., Brooklyn, N. Y., assignor to The Sperry Development Company, Dover, Del. Engine governor. 1,771,124; July 22.
- Jones, George S., Christchurch, New Zealand. Controlling the discharge of liquids from containers. 1,762,059; June 3.
- Jones, Grinnell, Cambridge, assignor to Pacific Mills, Lawrence, Mass. Method and material for preventing the tarnishing of silverware. 1,766,646; June 24.
- Jones, Guy. (See Jones, Jesse J., R. W., and G.)
- Jones, Harry C., New York, N. Y. Apparatus for making registered prints. 1,786,070; Dec. 23.
- Jones, Harry S., Chicago, Ill. Machine posting binder. 1,763,525; June 10.
- Jones, Harry S., Chicago, Ill. Sheet-handling tray. 1,767,241; June 24.
- Jones, Harry W. (See Sanford, H. W., and Jones.)
- Jones and Hartman, Inc. (See Hartman, William H., assignor.)
- Jones, Heber K., and E. A. Chase, St. John, New Brunswick, Canada. Change-over signal for motion-picture machines. 1,750,520; Mar. 11.
- Jones, Henry, Antioch, Nebr. Connecting rod for internal-combustion engines. 1,766,024; June 24.
- Jones, Henry A., Lilbourn, Mo. Fuse replacer. 1,743,895; Jan. 14.
- Jones, Herbert J. (See Hurley, H. A., Jones, and Jimenez.)
- Jones, Homer W. (See Bryce, C. K., and Jones.)
- Jones, Homer W., Newark, N. J., assignor to National Carbon Company, Inc. Adjustable lamp socket. 1,781,064; Nov. 11.
- Jones, Homer W., Jackson Heights, N. Y., and C. H. Strohl, Fremont, Ohio, assignors to National Carbon Company, Inc. Dry-cell terminal. 1,773,310; Aug. 19.
- Jones, Horatio D., Brooklyn, N. Y. Extension support for flexible electrical conductors. 1,787,252; Dec. 30.
- Jones, Horatio S., Kansas City, Mo. Stethoscope. 1,744,166; Jan. 21.
- Jones, Howard B. (See Bockius, W. A., and Jones.)
- Jones, Howard B., Evanston, Ill. Electrical-connection device. 1,784,236; Dec. 9.
- Jones, Ira M., et al. (See Stevens, Arthur C., assignor.)
- Jones, James D., Sault Ste. Marie, Ontario, Canada, assignor to E. Gathmann, Baltimore, Md. Manufacture of rails and tie plates. 1,761,672; June 3.
- Jones, James E., Richmond, Ind. Greenhouse bench. 1,777,798; Oct. 7.
- Jones, James E., N. A. Newdick, and W. E. Moody, Columbus, Ohio, said Newdick and said Moody assignors to said Jones. Loading machines. 1,762,060; June 3.
- Jones, James I. (See Strosacker, C. J., and Jones.)
- Jones, James R. (See Larson, O. J., and Jones.)
- Jones, James R., assignor to Art Metal Construction Company, Jamestown, N. Y. Metal furniture. 1,776,359; Sept. 23.
- Jones, James U., et al. (See Tallent, Joseph A., assignor.)
- Jones, Jesse. (See Jones, Chester and J.)
- Jones, Jesse J., R. W., and G., Kinston, N. C. Doorcheck. 1,769,514; July 1.
- Jones, Jesse M., and R. R. Webb, assignors to Charles R. Hadley Company, Los Angeles, Calif. Tray binder. 1,764,264; June 17.
- Jones, Joe J., Peru, Neb. Phonograph-record attachment. 1,776,470; Sept. 23.
- Jones, John, San Diego, Calif. Elevator operator position-indicating device. 1,775,348; Sept. 9.
- Jones, John E., Minneapolis, Minn. Boiler. 1,764,960; June 17.
- Jones, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Making metal spools. 1,754,205; Apr. 8.
- Jones, John G., and H. G. Dewey, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic-film-cartridge pasteur-supplying machine. 1,742,814; Jan. 7.
- Jones, John H., Hastings, England. Seismograph and applicable to other measuring instruments. 1,774,379; Aug. 26.
- Jones, John L., Weymouth, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work support for fastening-inserting machines. 1,759,852; May 27.
- Jones, Joseph. (See Jones, L. L. Schmidt, and Jones.)
- Jones, Joseph S., Brooklyn, assignor to Charles Cory & Son, Incorporated, New York, N. Y. Telephone appliance. 1,777,924; Oct. 7.
- Jones, Joseph W., Flint, assignor to General Motors Corporation, Detroit, Mich. Automatic fuel-shut-off valve. 1,757,430; May 6.
- Jones, Lamar R., et al. (See Mitchell, Courtney N., assignor.)
- Jones & Lamson Machine Company. (See Beardsley, Robert O., assignor.)
- Jones & Lamson Machine Company. (See Bysshe, E. T., and Finn, assignors.)
- Jones & Lamson Machine Company. (See Flanders, Ralph E., assignor.)
- Jones & Lamson Machine Company. (See Lovely, John E., assignor.)
- Jones & Laughlin Steel Corporation. (See Kurkowski, Joseph, assignor.)
- Jones & Laughlin Steel Corporation. (See Rendleman, Norman C., assignor.)
- Jones, Lee B., Kansas City, Mo. Industrial truck and the like. 1,750,639; Mar. 18.

- Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Process and apparatus for securing temporary intimate contact between immiscible liquids. Re17,719; July 1.
- Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal process and apparatus. 1,772,573; Aug. 12.
- Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Oil-purifying process. 1,778,831; Oct. 21.
- Jones, Leo D., assignor to The Charplea Specialty Company, Philadelphia, Pa. Dewaxing petroleum oil. 1,784,525; Dec. 9.
- Jones, Leo D., and A. U. Ayres, assignors to The Sharples Specialty Company, Philadelphia, Pa. Clarifier bowl. 1,749,538; Mar. 4.
- Jones, Le Roy, Legion, Tex. Automobile visor. 1,769,515; July 1.
- Jones, Lester L. (See Danziger, H. I., and Jones.)
- Jones, Lester L., Oradell, N. J. Radio frequency amplifying system. Re17,915; Dec. 30.
- Jones, Lester L., Oradell, N. J. Amplifying system. 1,770,524; July 15.
- Jones, Lester L., Oradell, N. J. Radio receiving apparatus. 1,770,525; July 15.
- Jones, Lester L., Oradell, N. J. Coil system and coupling apparatus. 1,773,144; Aug. 19.
- Jones, Lester L., Oradell, N. J. Variable relay condenser. 1,777,410; Oct. 7.
- Jones, Lester L., Oradell, N. J. Amplifier. 1,779,881; Oct. 28.
- Jones, Lester L., Oradell, N. J., and J. Yolles, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Antenna tuning apparatus. 1,761,211; June 3.
- Jones, Lester L., Oradell, N. J., and J. A. Flanzer, Brooklyn, assignors to Technidyne Corporation, New York, N. Y. Preparation of electrical resistance units. 1,762,990; June 10.
- Jones, Lester L., Oradell, N. J. Unicontrol apparatus for radio receiving sets. 1,787,275; Dec. 30.
- Jones, Lester L., Oradell, N. J., A. Schmidt, New York, and J. Jones, White Plains, assignors to Technidyne Corporation, New York, N. Y. Resistance paint and making resistances. 1,773,105; Aug. 19.
- Jones, Lewis, Youngstown, Ohio. Vacuum punch-press feeder. 1,757,529; May 6.
- Jones, Lewis C., Philadelphia, Pa. Nonskid drag for automobiles. 1,745,098; Jan. 28.
- Jones, Llewellyn, Muncie, Ind. Apparatus for the reduction of impurities contaminating molten metal. 1,753,891; Apr. 8.
- Jones, Louis C., Greenwich, Conn., assignor to Chemical Engineering Corporation, New York, N. Y. Production of ammonia. 1,765,534; June 24.
- Jones, Louis C., Greenwich, Conn., assignor to Chemical Engineering Corporation, New York, N. Y. Producing hydrogen-nitrogen mixture in the manufacture of synthetic ammonia. 1,765,535; June 24.
- Jones, Louis C., Greenwich, Conn. Protective coating. 1,765,676; June 24.
- Jones, Louis W., New York, N. Y., assignor, by mesne assignments, to Jones Tool Co. Inc. Chuck. 1,745,302; Jan. 28.
- Jones, Louis W., New York, assignor of one-half to F. J. Carnelli, Jamaica, N. Y. Stock and die. 1,760,502; May 27.
- Jones, Lloyd B., Columbus, Ohio. Oil cup. 1,770,929; July 22.
- Jones, Loyd A., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y. Film for picture and sound reproduction. 1,769,518; July 1.
- Jones, Loyd A., and C. M. Tuttle, assignors to Eastman Kodak Company, Rochester, N. Y. Sound film with sensitometric scale. 1,762,925; June 10.
- Jones, Luther M., Chicago, Ill. Utility stand. 1,753,378; Apr. 8.
- Jones, Lyman D., New York, N. Y. Tobacco-smoking appliance. 1,764,795; June 17.
- Jones, Lyman L., Seattle, Wash., assignor to American Can Company, New York, N. Y. Line control for can-making machinery. 1,784,358; Dec. 9.
- Jones, Maldwyn E., Indianapolis, Ind. Speedometer drive for motor cycles. 1,761,833; June 3.
- Jones, Maldwyn E., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. 1,763,709; June 17.
- Jones, Mary W., Wilkes-Barre, Pa. Combination cabinet. 1,780,353; Nov. 4.
- Jones, Minor S., Knapp, Wis. Seat stabilizer. 1,769,434; July 1.
- Jones, Montgomery O., and W. P. Shomaker, assignors to The Duplex Envelope Co. Inc., Richmond, Va. Feeding mechanism. 1,779,816; Oct. 28.
- Jones, Murvin L., assignor to J. C. Deagan, Inc., Chicago, Ill. Musical instrument. 1,760,141; May 27.
- Jones, Murvin L., assignor to J. C. Deagan, Inc., Chicago, Ill. Musical instrument. 1,763,526; June 10.
- Jones, Onor L. (See Reed, David R., assignor.)
- Jones, Paul C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,784,838; Dec. 16.
- Jones, Percival W., Warwick, assignor to Rosenheim Co. Inc., Providence, R. I. Bracelet chain. 1,767,529; June 24.
- Jones, Percival W., Warwick, assignor to Rosenheim Co. Inc., Providence, R. I. Extension device. 1,767,530; June 24.
- Jones, R. A., & Company. (See Jones, Ruel A., assignor.)
- Jones, Ray W. (See Jones, Jesse J., R. W., and G.)
- Jones, Richard B. (See Smith, A. W., and Jones.)
- Jones, Richard E., Brooklyn, N. Y. Method of and mechanism for agitating fluids and semifluids. 1,778,600; Oct. 14.
- Jones, Robert B., Barre, Vt., assignor to Jones Brothers Company, Boston, Mass. Stone cutting and polishing machine. 1,785,737; Dec. 23.
- Jones, Rodney, Kenner, La. Pliers. 1,763,527; June 10.
- Jones, Roland R., Minneapolis, Minn. Agitator for dental molds. 1,757,803; May 6.
- Jones, Roy E., Storrs, Conn. Poultry feeding trough. 1,770,754; July 15.
- Jones, Ruel A., assignor to R. A. Jones & Company, Inc., Covington, Ky. Carton opening and feeding device. 1,746,835; Feb. 11.
- Jones, Ruel A., assignor to R. A. Jones & Company, Inc., Covington, Ky. Carton opening and squaring apparatus for carton-filling machines. 1,746,836; Feb. 11.
- Jones, Ruel A., Covington, assignor to R. A. Jones & Company, Inc., Covington, Ky. Soap press. 1,785,312; Dec. 16.
- Jones, Russell R. (See Wassell, F. L., and Jones.)
- Jones, Russell C., Bronxville, assignor to The Griscom Russell Company, New York, N. Y. Bow-tube film-type evaporator. 1,760,907; June 3.
- Jones, Samuel G., Norfolk, Va. Street-corner signpost. Des. 80,486; Feb. 11.
- Jones, Samuel J., Bronx, N. Y. Safety holding device. 1,760,066; May 27.
- Jones, Samuel S., Brooklyn, N. Y., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiving circuit. 1,772,607; Aug. 12.
- Jones, Sidney J., Shannon, Ill. Wire splicer. 1,754,023; Apr. 8.
- Jones, Stanley M., Rice Lake, Wis. Window screen for automobiles. 1,779,000; Oct. 21.
- Jones, Sylvester S., Cleveland, Ohio. Manicuring device. 1,742,862; Jan. 7.
- Jones Tool Co. Inc. (See Jones, Louis W., assignor.)
- Jones, Vernon H., Chicago, Ill. Display rack. 1,772,462; Aug. 12.
- Jones, Virgil K., and C. Van Wyck, Los Angeles, Calif. Illuminating gauge device. 1,772,007; Aug. 5.
- Jones, W. Bartlett, Chicago, Ill. Cyclic current control. 1,755,479; Apr. 22.
- Jones, Walter H., Hasbrouck Heights, N. J. Printed folder. 1,787,276; Dec. 30.
- Jones, Walter I., Arlington, Mass., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,759,560; May 20.
- Jones, Walter I., Arlington, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,767,527; June 24.
- Jones, Walter R. (See Buford, William J., assignor.)
- Jones, Warren C., Flushing, Long Island, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reproducing apparatus. 1,746,730; Feb. 11.
- Jones, Warren C., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic reproducer or recorder. 1,762,991; June 10.
- Jones, Warren C., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording. 1,763,891; June 17.
- Jones, Webster, West Newton, Mass. Shock absorber. 1,774,144; Aug. 26.
- Jones, Webster G., Detroit, Mich. Automatic gear shift. 1,754,212; Apr. 8.
- Jones, Webster N., and H. A. Winkelmann, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Rubber derivative and making same. 1,751,817; Mar. 25.
- Jones, Whitney W., Baltimore, Md. Vegetable-cutting apparatus. 1,766,824; June 24.
- Jones, Whitney W., Baltimore, Md., and J. H. Bailey, Phelps, N. Y. Vegetable slicer. 1,766,825; June 24.
- Jones, Willard E., Highland Park, Philadelphia, Pa. Doily. Des. 81,288; June 3.
- Jones, William. (See Hardie, C. H., and Jones.)
- Jones, William A. (See Jacobus, D. S., and Jones.)
- Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Seal for headers. 1,748,070; Feb. 25.
- Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Economizer. 1,762,134; June 3.
- Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater boiler. 1,775,079; Sept. 2.
- Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Oil still. 1,776,437; Sept. 23.
- Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heater. 1,780,301; Nov. 4.
- Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Making drums. 1,782,899; Nov. 25.
- Jones, William B. (See Bracken, William A., assignor.)

- Jones, William E., assignor to Eagle Chemical Company, Milwaukee, Wis. Cleaning and disinfecting compound. 1,767,528; June 24.
- Jones, William H., Walla Walla, Wash. Gauge for measuring butter. 1,773,003; Aug. 12.
- Jones, William H., Schenectady, N. Y., assignor to General Electric Company. Silica crucible. 1,769,841; July 1.
- Jones, William L. M., Winnipeg, Manitoba, Canada. Shocker. 1,752,301; Apr. 1.
- Jones, William N., and C. C. Humphreys, Tampa, Fla., assignors to Rotex Engineering Company. Agitator, aerator, and mixer. 1,765,338; June 17.
- Jones, William S., Hammond, Ind. Mold or plate hanger. 1,773,042; Aug. 12.
- Jones, Winfield S., Brea, assignor of fifty per cent to E. D. Jones, Long Beach, Calif. Fishing tool. 1,752,669; Apr. 1.
- Jones, Winfield S., Long Beach, assignor to Kammerer Corporation, Santa Fe Springs, Calif. Cutter. 1,779,628; Oct. 28.
- Jones, Wyatt J., Niles Center, Ill., assignor of one-half to G. S. Noble, Chicago, Ill. Footwear. 1,782,620; Nov. 25.
- Jonet, Achille. (See Bethenod, J. F. J., and Jonet.)
- Jongedyk, Ralph, Hinsdale, Ill., assignor to Western Electric Company, Incorporated. New York, N. Y. Wrapping apparatus. 1,752,489; Apr. 1.
- Jonkel, Frank F., Chicago, and H. W. Larson, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for arranging articles. 1,750,310; Mar. 11.
- Jonson, John G., Seattle, Wash. Building window frame. 1,753,152; Apr. 1.
- Jonsson, Anders J., Linköping, Sweden. Capping machine. 1,753,789; Apr. 8.
- Jonsson, Anders J., Linköping, Sweden. Machine for making caps. 1,780,926; Nov. 11.
- Jonsson, Anders J., Linköping, Sweden. Machine for making and applying caps to bottles and the like. 1,782,900; Nov. 25.
- Jonsson, Augustinus E., Lidings, Sweden. Straining device for vacuum drying apparatus. 1,748,955; Mar. 4.
- Jonsson, Augustinus E., Lidings, Sweden. Vacuum-drying apparatus. 1,775,397; Sept. 9.
- Jonsson, Gustaf E., Halmstad, Sweden. Pulsator for milking machines and the like. 1,757,198; May 6.
- Joplin, William A., Norfolk Downs, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Box-making machine. 1,757,804; May 6.
- Jopson, William G., assignor to C. A. Reed Company, Williamsport, Pa. Decorating material. 1,750,844; Mar. 18.
- Jordahl, Anders, New York, N. Y. Air filter. 1,743,675; Jan. 14.
- Jordahl, Anders, New York, N. Y. Air filter. 1,760,986; June 3.
- Jordahl, Anders, New York, N. Y., assignor to American Air Filter Company, Inc., Louisville, Ky. Air filter. 1,771,639; July 29.
- Jordahl, Anders, New York, N. Y., assignor to American Air Filter Company, Inc., Louisville, Ky. Dust separator. 1,786,208; Dec. 23.
- Jordan, Franz. (See Groeck, H., and Jordan.)
- Jordan, Hans. (See Schoeller, W., and Jordan.)
- Jordan, Hans. (See Schoeller, W., Jordan, and Clerc.)
- Jordan, Hans, Berlin-Steglitz, assignor to the firm: Chemische Fabrik auf Actien vorm. E. Schering, Berlin, Germany. Producing thymol. 1,768,257; June 24.
- Jordan, Hans, Berlin-Steglitz, assignor to firm: Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Production of hydrogenated phenol compounds. 1,771,089; July 22.
- Jordan, Hans, Berlin-Steglitz, assignor to the firm Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Preparation of phenol compound from dihydroxy-diphenyl-methane derivatives. 1,778,858; Oct. 21.
- Jordan, Hans, Berlin-Steglitz, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Producing products of hydrogenation of alkylated phenols. 1,782,621; Nov. 25.
- Jordan, Hans, Berlin-Steglitz, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Production of alkylated phenols. 1,782,966; Nov. 25.
- Jordan, Hans, Berlin-Steglitz, W. Schoeller, Berlin-Westend, and R. Clerc, Berlin, assignors to the firm: Chemische Fabrik auf Actien vorm. E. Schering, Berlin, Germany. Production of thymol. 1,784,598; Dec. 9.
- Jordan, Hans, Berlin-Steglitz, W. Schoeller, Berlin-Westend, and R. Clerc, assignors to the firm: Chemische Fabrik auf Actien vorm. E. Schering, Berlin, Germany. Producing phenols. 1,784,599; Dec. 9.
- Jordan, Hans, and R. Goldschmidt, Berlin-Karlshorst, Germany, assignors to General Electric Company. Interquad capacity balancing of telephone cable circuits. 1,751,333; Mar. 18.
- Jordan, Harding O., Langston, Okla. Cigarette case. 1,751,921; Mar. 25.
- Jordan, Henry, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing regenerated cellulose materials. 1,755,119; Apr. 15.
- Jordan, Henry, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye and making the same. 1,756,248; Apr. 29.
- Jordan, James, Portland, assignor of one-half to A. Motejl, Sandy, Ore. Trip block. 1,745,696; Feb. 4.
- Jordan, O. F., Company. (See Protzeller, Harry W., assignor.)
- Jordan, O. F., Company. (See Tellis, Vsevolod G., assignor.)
- Jordan, Otto. (See Fleischmann, H., and Jordan.)
- Jordan, Otto, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Liquid of low-freezing point for cooling and for sealing vessels and the like. 1,780,927; Nov. 11.
- Jordan, Otto, Ludwigshafen-on-the-Rhine, and G. Kraemer, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of neutral fats and oils. 1,786,248; Dec. 23.
- Jordan, Richard H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Starting apparatus. 1,755,878; Apr. 22.
- Jordan, Robert E., assignor to The Albright-Nell Company, Chicago, Ill. Continuous smoking, curing, and treating apparatus. 1,755,878; Apr. 22.
- Jordan, Robert E., Baltimore, Md., assignor to The Albright-Nell Company, Chicago, Ill. Meat-curing method. 1,755,992; Apr. 22.
- Jordan, Robert E., Baltimore, Md., assignor to The Albright-Nell Company, Chicago, Ill. Meat curing and smoking apparatus. 1,776,072; Sept. 16.
- Jordan, Robert E., Chicago, Ill., assignor, by mesne assignments, to The Albright-Nell Co. Meat cooker and shaper. 1,779,546; Oct. 28.
- Jordan, Wesley, assignor to South Bend Bait Company, South Bend, Ind. Archery bow. 1,779,277; Oct. 21.
- Jordan, William H., Kansas City, Mo. Oral-mirror appliance. 1,747,009; Feb. 11.
- Jordan, William M. (See Nichols, C. S., and Jordan.)
- Jordell, Johannes O., Oslo, Norway. Ski fastening. 1,755,398; Apr. 22.
- Jordhoy, Hans C., North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folder unit and former supports. 1,770,350; July 8.
- Jordon, Reuben B., Poplarville, Miss. Tire pump. 1,784,143; Dec. 9.
- Joret, Gustave, Paris, France. Crane for installation on motor vehicles. 1,771,333; July 22.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting shoes. 1,754,272; Apr. 15.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Upper-pulling machine. 1,760,142; May 27.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Brake mechanism. 1,771,045; July 22.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,775,225; Sept. 9.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,778,192; Oct. 14.
- Jorgensen, Clarence H. (See Jorgensen, Peter J. and C. H.)
- Jorgensen, Edmund N., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric welding. 1,752,598; Apr. 1.
- Jorgensen, Hans F., deceased, Brooklyn, N. Y., N. F. Jorgensen, executor. Establishing communication. 1,751,159; Mar. 18.
- Jorgensen, Hans G., Erie, Pa. Antirattler for windows. 1,751,699; Mar. 25.
- Jorgensen, Jacob C., Beverly, and N. H. Knowlton, Rockport, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Assembling machine. 1,775,678; Sept. 16.
- Jorgensen, Norman F., executor. (See Jorgensen, Hans F.)
- Jorgensen, Olav E., Forest Hills, N. Y. Piston for internal-combustion engines. 1,672,442; June 10.
- Jorgensen, Oluf K. (See Jorgensen, Victor E., T. J., and O. K.)
- Jorgensen, Peter J. and C. H., Chicago, Ill. Cooling apparatus for internal-combustion engines. 1,745,622; Feb. 4.
- Jorgensen, Svend M. (See Swartz, R. M., and Jorgensen.)
- Jorgensen, Thorvald J. (See Jorgensen, Victor E., T. J., and O. K.)
- Jorgensen, Victor E., T. J., and O. K., Hempstead, N. Y. Submarine safety device. 1,756,464; Apr. 29.
- Jorgenson, Arthur P. (See Blish, R. A., and Jorgenson.)
- Jorgenson, John, assignor of one-half to M. Jorgenson, Racine, Wis. Cylinder for laundry machines. 1,764,265; June 17.
- Jorgenson, Michael. (See Jorgenson, John, assignor.)
- Jorss, Karl F., Washington, D. C., assignor, by mesne assignments, to Crittall Casement Window Company, Detroit, Mich. Casement window. 1,745,016; Jan. 28.
- Jorss, Karl F., Washington, D. C., assignor to Crittall Casement Window Company, Detroit, Mich. Window-screen structure. 1,782,853; Nov. 25.
- Joseph, Alfred, assignor to Societe Internationale des Procèdes Prudhomme Houdry, Paris, France. Producing liquid fuels. 1,758,796; May 13.
- Joseph, Alfred, Enghien, assignor to Compagnie Internationale pour la Fabrication des Essences et Pétroles, Paris, France. Composition for the purification of gases. 1,775,366; Sept. 9.

- Joseph, Alfred, Enghein, assignor to Compagnie Internationale pour la Fabrication des Essences et Petroles, Paris, France. Apparatus for the hot purification of gases. 1,780,159; Nov. 4.
- Joseph, Felix A. Hampstead, London, England. Pack of playing cards. Des. 81,336; June 10.
- Joseph, Harry F., assignor of one-half to G. A. Yeggy, Davenport, Iowa. Weeding and subtitling machine. 1,744,475; Jan. 21.
- Joseph, Joe H., Cincinnati, Ohio. Washing machine. 1,751,922; Mar. 25.
- Joseph, Norbert G. (See Pease, O. E., and Joseph.)
- Joseph, Oscar G., Louisville, Ky. Window-control device. 1,780,080; Oct. 28.
- Josepho, Anatol M. (See Kousminsky, Mischa, assignor.)
- Josephs, Lyman C., jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Friction differential. 1,779,629; Oct. 28.
- Josinsky, John. (See Martin, E., and Josinsky.)
- Joslin, Pliny N., De Kalb, Ill. Roller skate. 1,749,139; Mar. 4.
- Joslyn Manufacturing & Supply Co. (See Smalley, Burton M., assignor.)
- Jost, William A., Mansfield, Mansfield Township, Freeborn County, Minn. Cow trainer. 1,746,770; Feb. 11.
- Joubert, Lawrence, Williamstown, Ontario, Canada. Collapsible post. 1,782,168; Nov. 18.
- Jouret, Oscar A., Moosup, assignor to The Lester & Wasley Company, Inc., Norwich, Conn. Decking and scoring machine. 1,756,157; Apr. 29.
- Journal-Box Servicing Corporation. (See Conway, I. M., and Lawson, assignors.)
- Jovino, John B., Brooklyn, N. Y. Cartridge holder. 1,781,816; Nov. 18.
- Jowett, James H., New York, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Front head for pneumatic tools. 1,784,012; Dec. 9.
- Joy, Charles A., Denver, Colo. Deep-well pump. 1,765,921; June 24.
- Joy, Charles H., jr. (See Sauer, L. J., and Joy.)
- Joy, Charles H., sr. (See Sauer, L. J., and Joy, assignors.)
- Joy, Ernest M., Hollywood, Md. Nail driver and set. 1,772,950; Aug. 12.
- Joy, Henry W., New York, N. Y. Advertising device. 1,756,980; May 6.
- Joy Manufacturing Company. (See Arentzen, Einar M., assignor.)
- Joy, Robert W., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Articulated car. 1,748,132; Feb. 25.
- Joyal, Peter M., Methuen, Mass. Trap for ice fishing. 1,778,422; Oct. 14.
- Joyce, Bryan P., Davenport, Iowa. Packing for holding fluids under pressure. 1,779,938; Oct. 28.
- Joyce, Bryan P., Davenport, Iowa. Packing. 1,781,926; Nov. 18.
- Joyce, Bryan P., Davenport, Iowa. Packing. 1,782,656; Nov. 25.
- Joyce-Cridland Company, The. (See Hott, Ion V. K., assignor.)
- Joyce, Elmer. (See Mason, Richard C., assignor.)
- Joyce, Harold L., assignor to Jas. P. Marsh & Company, Chicago, Ill. Valve. Des. 82,092; Sept. 23.
- Joyce, Harold L., South Orange, assignor to The Tiffany Manufacturing Co., Newark, N. J. Indicating gauge for liquids. 1,758,403; May 13.
- Joyce, Harold L., East Orange, N. J., assignor to J. O. Bolton, New York, N. Y. Vehicle traffic-signal-switching means. 1,779,773; Oct. 28.
- Joyce, Herbert D. (See Maurer, R. D., and Joyce.)
- Joyce, Roy E., Los Angeles, Calif. Pressure relief valve. 1,760,067; May 27.
- Joyner, George O., St. Louis, Mo. Spring motor. 1,776,360; Sept. 23.
- Jubb, George E., and E. B. Libby, St. Petersburg, Fla. Soldering torch. 1,771,334; July 22.
- Jubilee Manufacturing Company. (See Gillet, Alexis F., assignor.)
- Judd, Albert E. (See Geddes, William F., assignor.)
- Judd, H. L., Company. (See Blake, William A., assignor.)
- Judd, H. L., Company. (See Geiges, Alexander, assignor.)
- Judd, H. L., Company. (See Greene, Frederick, assignor.)
- Judd, H. L., Co. (See Vroom, Robert D. W., assignor.)
- Judd, Irving H., Detroit, assignor to Whitehead and Kales Company, River Rouge, Mich. Apparatus for making wheel spiders. 1,750,521; Mar. 11.
- Judd, Irving H., Detroit, assignor to Whitehead and Kales Company, River Rouge, Mich. Manufacturing wheel spiders. 1,750,522; Mar. 11.
- Judd, J. D. (See Corey, Claud M., assignor.)
- Judge, Ernest E., Gravesend, assignor to W. T. Henley's Telegraph Works Company Limited, London, England. Lead covering of electric cables and the like by extrusion. 1,745,371; Feb. 4.
- Judge, Franklin, and A. M. Drake, assignors to Greenfield Tap & Die Corporation, Greenfield, Mass. Wheel dressing device for grinding machines. 1,756,646; Apr. 29.
- Judick, Linden R., Baltimore, Md. Combined hobbyhorse and scooter. 1,743,819; Jan. 14.
- Judkins, Marion D., Los Angeles, Calif. Cap for collapsible tubes. 1,768,986; July 1.
- Judson, Edgar T., Westfield, N. J. Apparatus for handling bricks. 1,763,657; June 17.
- Judy, Carl, New Philadelphia, Ohio. Mulch-paper-laying machine. 1,763,789; June 17.
- Judy, Wilbur H. (See Henning, P. J., and Judy.)
- Juelson, Edwin, Chicago, Ill. Vacuum cleaner. 1,774,062; Aug. 26.
- Juelson, Edwin, Chicago, Ill. Vacuum cleaner. 1,786,756; Dec. 30.
- Juergens, John, assignor of one-half to S. J. Kosteling, jr., and one-half to N. H. Rasmussen, Chicago, Ill. Lantern. 1,760,143; May 27.
- Julien, Louis F. (See Glaser, J. P., and Julien.)
- Julin, Victor T., Djursholm-Danderyd, Sweden. Permutation lock. 1,758,608; May 13.
- Julius, Awdry F. (See Julius, George A. and A. F.)
- Julius, George A., Sydney, New South Wales, Australia. Machine for printing and issuing totalizer tickets and for operating totalizer registers and indicators. 1,744,771; Jan. 28.
- Julius, George A. and A. F., Sydney, New South Wales, Australia. Calculating the ratio of variable quantities. 1,779,774; Oct. 28.
- Juliusburger, Paul, Charlottenburg, Berlin, Germany. Change-over device for boiler feed-water heaters and similar apparatus, especially applicable for locomotives. 1,759,986; May 27.
- Junas, Paul, jr., Lansford, Pa. Haircloth. 1,782,925; Nov. 25.
- Juneau, Anna K., administratrix. (See Juneau, C. G., and Marshall.)
- Juneau, Charles G., deceased, by A. K. Juneau, Wauwatosa, Wis., administratrix, and W. C. Marshall, Milwaukee, Wis. Combined refrigerator and ice-cream cabinet. 1,749,484; Mar. 4.
- Juneau, Henry. (See Graves, Kenneth A. and R. C., and Juneau.)
- Jung, Alvin L., assignor to Albert H. Weinbrenner Company, Milwaukee, Wis. Making shoes. 1,764,105; June 17.
- Jung Arch Brace Company, The. (See Jung, George H., jr., assignor.)
- Jung, Christiaan J. (See Versteeg, Hendrik J., assignor.)
- Jung, George H., jr., assignor to The Jung Arch Brace Company, Cincinnati, Ohio. Arch support. 1,767,460; June 24.
- Jung, Hans, Stassfurt, Germany. Filter press. 1,771,928; July 29.
- Jung, Karl, Berlin, Germany. Machine tool, particularly a grinding machine. 1,771,540; July 29.
- Jung, Karl, Berlin, Germany. Grinding machine for finishing borings. 1,772,721; Aug. 12.
- Jung, Manner O., Boulder, Colo. Mountain-climbing pick. 1,765,076; June 17.
- Jung, Wilhelm. (See Hartmann, O. H., and Jung.)
- Jungels, Erwin, Geislingen-Steige, assignor, by mesne assignments, to Schnellpressenfabrik Akt.-Ges. Heidelberg, Heidelberg, Germany. Grinding and separating mill. 1,773,228; Aug. 19.
- Jungemann, Erich F., Wolsey, S. Dak. Plier case. 1,750,891; Mar. 18.
- Jungerheld, Arthur F., Bridgeport, Mich. Can cover. 1,764,684; June 17.
- Jungersen, Thøger G., Lyngby, near Copenhagen, Denmark. Dumping-car body or car top. 1,749,587; Mar. 4.
- Junghans, Oskar, deceased, Schramberg, Germany; Siegfried Junghans, administrator. Automatically regulating clocks by means of electromagnetic waves. 1,747,547; Feb. 18.
- Junghans, Siegfried, administrator. (See Junghans, Oskar.)
- Junghans, Siegfried, Baden, Germany. Casting under pressure. 1,784,600; Dec. 9.
- device for fan motors. 1,783,175; Dec. 2.
- Junillon, Louis C., and H. F. Gillot, Lyon, France. Silk-twisting mill and like machine. 1,782,967; Nov. 25.
- Junkers, Hugo. (See Zindel, Ernst, assignor.)
- Junkers, Hugo, Dessau, Germany. Dock for flying machines. 1,751,639; Mar. 25.
- Junkers, Hugo, Dessau, Germany. Riveting device. 1,752,799; Apr. 1.
- Junkers, Hugo, Dessau, Germany. Assembly unit. 1,753,051; Apr. 1.
- Junkers, Hugo, Dessau, Germany. Unit for assembling lattice work. 1,753,706; Apr. 8.
- Junkers, Hugo, Dessau, Germany. Sheet-metal cutter. 1,756,362; Apr. 29.
- Junkers, Hugo, Dessau, Germany. Upsetting sheet metal. 1,761,887; June 3.
- Junkers, Hugo, Dessau, Germany. Upsetting sheet metal. 1,761,888; June 3.
- Junkers, Hugo, Dessau, Germany. Discharging insecticides from aircraft. 1,761,889; June 3.
- Junkers, Hugo, Dessau, Germany. Arrangement of rudders for aircraft. 1,766,025; June 24.
- Junkers, Hugo, Dessau, Germany. Navigation of aircraft. 1,776,811; Sept. 30.
- Junkin, John R., Whittier, assignor to Six Wheel Corporation, Los Angeles, Calif. Running gear. 1,767,758; May 6.
- Jupp, William B. (See Hewitt, El. R., and Jupp.)
- Jupp, William B. (See Masury, A. F., Jupp, and Queeney.)
- Jupp, William B., assignor to International Motor Company, New York, N. Y. Exhaust manifold. 1,756,465; Apr. 29.

- Jupp, William B., assignor to International Motor Company, New York, N. Y. Exhaust manifold. 1,760,557; May 27.
- Jupp, William B., Brooklyn, assignor to International Motor Company, New York, N. Y. Throttle-controlling means for internal-combustion engines. 1,783,431; Dec. 2.
- Jupp, William B., and R. G. Anderson, Plainfield, N. J., assignors to International Motor Company, New York, N. Y. Roof construction for traction locomotives. 1,778,720; Oct. 21.
- Jurad, Joseph B., Newton, Mass. Fastener. 1,772,835; Aug. 12.
- Jurey, William J. T., Clifton, Kans. Fishing tool. 1,780,017; Oct. 28.
- Jurgens, Emil G., and H. K. Becker, assignors to Peters Machinery Company, Chicago, Ill. Carton-blank separating and feeding mechanism. 1,742,863; Jan. 7.
- Jurgens, Emil G., and H. K. Becker, assignors to Peters Machinery Company, Chicago, Ill. Carton-blank separating and feeding mechanism. 1,761,794; June 3.
- Jurgensen, August P., assignor to Concentric Air Cells Automatic Company, Philadelphia, Pa. Air-cell pipe covering. 1,761,793; June 3.
- Jurgensen, Harvey H., Thorold, Ontario, Canada. Paper-making machine. 1,767,889; June 24.
- Jurgensen, Max L., Chicago, Ill. Electric toy. 1,780,487; Nov. 4.
- Jürgensmeyer, Wilhelm, Berlin, Germany, assignor to Aktiebolaget Svenska Kullagerfabriken, Göteborg, Sweden. Roller-bearing axle box. 1,771,792; July 29.
- Jurgenson, Rudolph, Boston, Mass. Reflector for headlights. 1,766,647; June 24.
- Jurkin, Marco, Metcalf, Ill. Plow. 1,743,037; Jan. 7.
- Jurriksen, Alphonsus, Martinez, Calif., assignor to Simplex Refining Company. Eliminating colloidal asphaltenes and carbenes from fuel oil. 1,756,981; May 6.
- Jury, Alfred E., Rutherford, N. J., assignor to Morgan & Wright, Detroit, Mich. Method and apparatus for making weftless fabrics. 1,757,636; May 6.
- Just, Alvah L., Syracuse, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield-cleaner motor. 1,777,799; Oct. 7.
- Just, Emil, New York, N. Y. Aeroplane. 1,773,361; Aug. 19.
- Just, E. Richard. (See Currie, Gail G., assignor.)
- Just, Heinrich. (See Becker, J., Just, and Hort.)
- Just, Heinrich, and H. Hort, Essen, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Fire-control apparatus. 1,770,783; July 15.
- Just Manufacturing Company, The. (See Schmitz, Fred A., assignor.)
- Just, William C. (See Garth, H., Longbottom, Burns, and Just.)
- Juster, Louis, Vienna, Austria. Pedal-operated beating mechanism for drums. 1,775,283; Sept. 9.
- Just Right Lock Company. (See Raphael, Sylvester, assignor.)
- Justrite Manufacturing Company. (See Brown, Le Roy O., assignor.)
- Justrite Manufacturing Company. (See Raster, Walther, assignor.)
- Justrite Manufacturing Company. (See Reinke, Waldemar J., assignor.)
- Justus, Fred E., El Paso, Tex. Safety spring. 1,771,299; July 22.
- Jutras, Napoleon. (See Mercier, Frank, assignor.)
- Juul, Edward A., Sheboygan, Wis. Building construction. 1,770,594; July 15.
- Juvenile Wood Products, Inc. (See Hess, William J., assignor.)
- Juvenile Wood Products, Inc. (See Van Arnam, George H., assignor.)
- Jyumi, Motogo, Oakland, Calif. Fish bowl and lamp combination. 1,762,634; June 10.
- K-P-C Company. (See Day, Alva G., assignor.)
- K-P-C Company. (See Martin, Erwin S., assignor.)
- K-P-C Company. (See Vesey, Wayne E., assignor.)
- K. & S. Syndicate Limited, The. (See Killick, Reginald, assignor.)
- K-W Ignition Corporation, The. (See Eiseman, Robert J., assignor.)
- Kabushiki-Kaisha Hitachi-Seisakusho. (See Nishi, Eisuke, assignor.)
- Kacena, Albert J., assignor of one-half to W. L. Thaler, Chicago, Ill. Lubricating device. 1,767,461; June 24.
- Kacena, Joseph F., Chicago, Ill. Window hoist. 1,775,398; Sept. 9.
- Kačer, Filip. (See Lüttringhaus, A., and Kačer.)
- Kachline, John F., Reading, Pa. Adjustable form for box-covering machines. 1,764,632; June 17.
- Kadar, Louis, assignor to Chicago Railway Equipment Company, Chicago, Ill. Rail anchor. 1,753,421; Apr. 8.
- Kadel, Byers W. (See Wine, W. E., and Kadel.)
- Kadel, Byers W., Baltimore, Md. Railway car. 1,743,144; Jan. 14.
- Kadel, Byers W., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Car truck. 1,745,697; Feb. 4.
- Kadel, Byers W., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Car truck. 1,745,698; Feb. 4.
- Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Manufacturing keys for railway draft rigging. 1,748,294; Feb. 25.
- Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Draft rigging. 1,758,285; May 13.
- Kadel, Byers W., Baltimore, Md., and D. S. Barrows, Rochester, assignors to The Symington Company, New York, N. Y. Slack adjuster. 1,770,037; July 8.
- Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Journal box. 1,775,903; Sept. 16.
- Kadel, Byers W., Baltimore, Md. Flue-blowing apparatus. 1,779,600; Oct. 28.
- Kadow, August, Toledo, Ohio, assignor to The Libbey Glass Manufacturing Company. Vacuum chuck. 1,744,313; Jan. 21.
- Kadow, August, assignor of one-half to W. and C. W. Owen, Toledo, Ohio. Filling mold. 1,754,469; Apr. 15.
- Kadow, August, assignor of one-half to W. and C. W. Owen, Toledo, Ohio. Forming metal castings. 1,758,113; May 13.
- Kadow, August, assignor to The Vacuum Casting Company, Toledo, Ohio. Filling molds with molten metal. 1,758,114; May 13.
- Kadow, August, assignor to The Vacuum Casting Company, Toledo, Ohio. Metal-casting apparatus. 1,763,710; June 17.
- Kaefer, Martin H., assignor to Western Clock Company, Peru, Ill. Clock case. Des. 82,032; Sept. 16.
- Kaefer, Martin H., La Salle, assignor to Western Clock Company, Peru, Ill. Electric-clock driving mechanism. 1,779,214; Oct. 21.
- Kaegebehn, Charles F., Hoboken, N. J., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Mineral-oil composition. 1,784,359; Dec. 9.
- Kaegebehn, Charles F., Hoboken, N. J., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Fatty-oil composition. 1,784,360; Dec. 9.
- Kaelma Manufacturing Company. (See Wiley, James S., assignor.)
- Kaemmerling, Gustav H., assignor to Erie City Iron Works, Erie, Pa. Pulverizer. 1,772,048; Aug. 5.
- Kaemmerling, Gustav H., assignor to Erie City Iron Works, Erie, Pa. Pulverizer. 1,783,717; Dec. 2.
- Kaempf, Emil, and D. P. Dalzell, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Cable. 1,761,565; June 3.
- Kaempf, Roman, Nawojowa, and A. Lankoff, Lwow, Poland. Cask, barrel, or like container. 1,765,161; June 17.
- Kaempfer, Wilhelm. (See Nagel, O., and Kaempfer.)
- Kaes, Stefan. (See Hamburger, R., and Kaes.)
- Kagan, Sam, et al. (See Rubens, Ben, assignor.)
- Kagelmann, Max, Berlin-Niederschönhausen, and A. Eulenhöfer, Königswusterhausen, near Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Picture-transmission system. 1,747,978; Feb. 18.
- Kagelmann, Max, Berlin-Niederschönhausen, and A. Eulenhöfer, Königswusterhausen, near Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. System for picture transmission. 1,756,363; Apr. 29.
- Kagerama, Hosaku, Los Angeles, Calif. Signal device for automobiles. 1,783,718; Dec. 2.
- Kägl, Emil, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Inlet-valve gear for internal-combustion engines. 1,751,240; Mar. 18.
- Kahl, George F., Vincennes, Ind. Adjustable ventilating toilet seat. 1,767,930; June 24.
- Kahl, Leopold, Berlin-Dahlem, Germany. Discontinuous distillation of tars. 1,742,258; Jan. 7.
- Kahle, Clay O., Seattle, Wash. Coupling device. 1,771,125; July 22.
- Kahle, Eugene C., Venus, Pa. Stuffing box. 1,757,311; May 6.
- Kahle, John R., Oil City, Pa. Can spout. 1,761,477; June 3.
- Kahle, Max, Chicago, Ill. Adjustable clamp. 1,780,018; Oct. 28.
- Kahlenberg, Albert H. (See Fisk, E., and Kahlenberg.)
- Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)
- Kahlow, Arthur, Mayville, and W. H. Markham, Horicon, Wis. Antiskid device. 1,776,588; Sept. 23.
- Kahn, Benjamin, and M. E. Johnson, Los Angeles, Calif. Hemstitcher. 1,779,254; Oct. 21.
- Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Door. 1,786,429; Dec. 30.
- Kahn, David, Woodcliff, N. J. Mechanical pencil. Des. 81,748; Aug. 5.
- Kahn, Felix, San Francisco, Calif. Adjustable shore for concrete forms. 1,757,312; May 6.
- Kahn, Felix, San Francisco, Calif. Hanger for forms on steel-beam construction. 1,784,448; Dec. 9.
- Kahn, Isaac T., Cleveland, Ohio. Building construction. 1,780,928; Nov. 11.
- Kahn, Isaac T., assignor to The Consolidated Iron-Steel Manufacturing Company, Cleveland, Ohio. Faucet-supporting plug. 1,780,929; Nov. 11.
- Kahn, Julius, Youngstown, Ohio. Rib-forming die. 1,771,681; July 29.
- Kahn, Julius I. (See Golden, A. R., and Kahn.)

- Kahn, Louis, et al. (See Strauss, Nathan J., assignor.)
 Kahn, Louis L., Paris, France. Turbine-wheel propeller or motor. 1,775,593; Sept. 9.
 Kahn, Louis E., assignor to Parisian Novelty Co., Chicago, Ill. Display device. 1,785,449; Dec. 16.
 Kahn, Maurice, Paris; E. Le Breton and G. Schaeffer, Strasbourg, France. Product for tanning and tawing industries and its manufacture. 1,759,700; May 20.
 Kahn, Myrtill, Cologne, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New azo dyestuffs. 1,762,020; June 3.
 Kahn, Myrtill, Cologne, W. Schepss, Leverkusen-on-the-Rhine, and L. Zeh, Wiesdorf-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Aromatic methyleneamino compounds and preparing the same. 1,781,982; Nov. 18.
 Kahn, Myrtill, Cologne-Dentz-on-the-Rhine, and A. Thaus, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of arylalkylethers which are aralkylated in the nucleus and of their sulphonic acids. 1,781,981; Nov. 18.
 Kahn, William F., et al. (See Rouse, John H., assignor.)
 Kähne, Ernst, assignor to Theodor Kähne & Söhne, Rathenow, Germany. Manufacturing spectacle frames from tortoise shell and similar valuable material. 1,752,953; Apr. 1.
 Kähne, Theodor, & Söhne. (See Kähne, Ernst, assignor.)
 Kahre, William, Union City, N. J., assignor to James McCurrach & Brother, New York, N. Y. Loom. 1,745,543; Feb. 4.
 Kaier, Richard, Cranford, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Metal-heating furnace. 1,779,435; Oct. 28.
 Kaier, Richard, Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Operating carburizing apparatus. 1,786,951; Dec. 30.
 Kaimer, Frederick R. (See Schwartz, E. W., and Kaimer.)
 Kais, Achille, Detroit, Mich. Oil burner. 1,762,868; June 10.
 Kaiser, Charles J., West Hartford, Conn. Blotter. 1,764,796; June 17.
 Kaiser, Ernest F., New York, N. Y. Holder. 1,784,237; Dec. 9.
 Kaiser, Henry J., Carlstadt, N. J., assignor to Eagle Pencil Company, New York, N. Y. Attachment for pencils and the like. 1,747,674; Feb. 18.
 Kaiser, John, Dobsina, Czechoslovakia. Cable-support insulator. 1,750,318; Mar. 11.
 Kaiser, Otto. (See Straub, F. Gyr, and Kaiser.)
 Kaiser, Paul G., Chicago, Ill. Boiler. 1,779,939; Oct. 28.
 Kaiser, Paul G., Chicago, Ill. Boiler. 1,779,940; Oct. 28.
 Kaiser, Samuel, Coney Island, N. Y. Spool holder. 1,751,003; Mar. 18.
 Kaiser, Wilhelm. (See Pfisterer, C. F., Krueger, and Kaiser.)
 Kaiser Wilhelm Institut für Eisenforschung. (See Wever, Franz, assignor.)
 Kaiserslautern Ferbandstoff Fabrik. (See Domizlaff, Hugo, assignor.)
 Kaisler, Paul, Berlin, Germany. Safety nut lock. 1,744,121; Jan. 21.
 Kakuda, Saibel, assignor to Saibi Mojiami Kabushiki Kaisha, Hiroshima-Ken, Japan. Operating mechanism for net-making machines. 1,784,188; Dec. 9.
 Kalada, Gustav, Pittsburgh, Pa. Account book. 1,761,078; June 3.
 Kalamazoo Vegetable Parchment Company. (See Hayward, Ralph A., assignor.)
 Kalamazoo Vegetable Parchment Company. (See Ross, Don H., assignor.)
 Kalb, Lewis P., assignor to Continental Motors Corporation, Detroit, Mich. Pump. 1,752,006; Mar. 25.
 Kalbfleisch Corporation, The. (See Larson, Leon H., assignor.)
 Kalck, Fred R., Philadelphia, Pa. Clock mechanism. 1,765,677; June 24.
 Kalenborn, Arion S. (See Frickey, R. E., and Kalenborn.)
 Kalenborn, Arion S. (See Re Qua, F. L., and Kalenborn.)
 Kalenoff, Godel, Brooklyn, N. Y. Curtain holder. 1,760,701; May 27.
 Kalenoff, Godel, Brooklyn, N. Y. Air cut-off for automobile radiators. 1,775,560; Sept. 9.
 Kaler, George M., San Antonio, Tex. Scale-magnifying attachment for rulers. 1,773,899; Aug. 26.
 Kales Stamping Company. (See Zink, Fred W., assignor.)
 Kalfus, Victor, New York, N. Y. Convertible tool. 1,764,513; June 17.
 Kalgren, John E., assignor to The J. R. Clark Company, Minneapolis, Minn. Ironing board. 1,748,956; Mar. 4.
 Kalgren, John E., assignor to The J. R. Clark Co., Minneapolis, Minn. Ironing table. 1,772,100; Aug. 5.
 Kalgren, John E., assignor to The J. R. Clark Co., Minneapolis, Minn. Folding table. 1,774,557; Sept. 2.
 Kalgren, John E., assignor to J. R. Clark Company, Minneapolis, Minn. Riveted structure and machine for producing the same. 1,778,498; Oct. 14.
 Kalgren, John E., assignor to The J. R. Clark Co., Minneapolis, Minn. Folding table. 1,780,394; Nov. 4.
 Kalgren, John E., assignor to J. R. Clark Company, Minneapolis, Minn. Riveted structure. 1,787,076; Dec. 30.
 Kali-Chemie, Aktiengesellschaft. (See Rüsberk, Friedrich, assignor.)
 Kalif Corporation. (See Pike, Robert D., assignor.)
 Kalikow, Samuel M., Brooklyn, N. Y., and E. M. Jones, Newark, N. J. Electrical circuit maker for shoes. 1,771,258; July 22.
 Kallin, Wallace E., St. Paul, and L. G. Boynton, Minneapolis, Minn. Metal slat for window shades. 1,780,556; Nov. 4.
 Kalischer, Georg, and K. Keller, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacturing halogen-substituted aromatic tertiary amines. 1,777,266; Sept. 30.
 Kalischer, Georg, Frankfort-on-the-Main, and H. Ritter, Dietesheim-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacturing sulphur dyestuffs. 1,759,261; May 20.
 Kalischer, Georg, Frankfort-on-the-Main; H. Salkowski, Mainkur, near Frankfort-on-the-Main; and Fritz Frister, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing sulphurized vat dyestuffs containing chlorine. 1,758,365; May 13.
 Kalischer, Georg, and H. Scheyer, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation product of the benzanthrone series and making same. 1,755,879; Apr. 22.
 Kalischer, Georg, and H. Scheyer, Frankfort-on-the-Main, and K. Keller, Mainkur, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Introducing an aldehydic group into heterocyclic nitrogen compounds. 1,763,557; June 10.
 Kalischer, Georg, H. Scheyer, Frankfort-on-the-Main, P. Nawiasky and E. Krauch, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the benzanthrone series and making same. 1,768,071; June 24.
 Kalischer, Georg, Frankfort-on-the-Main, and W. Zerweck, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation product and making same. 1,757,431; May 6.
 Kalix Cup Company. (See Benson, William E., assignor.)
 Kalk, Albert C., Chicago, Ill., assignor to Invincible Laundry Equipment Company. Reversing mechanism for laundry driers. 1,763,658; June 17.
 Kall, Myrtle L., Alexandria Bay, N. Y. Window fixture. 1,752,743; Apr. 1.
 Kalle & Co. Aktiengesellschaft. (See Schmidt, M. P., and Krieger, assignors.)
 Kalle & Co. Aktiengesellschaft. (See Voss, Julius, assignor.)
 Kallenbach, Carl, Sykesville, Md. Bottle-washing machine. 1,744,639; Jan. 21.
 Kallenbach, Ernest, Philadelphia, Pa. Brake for sleds. 1,783,966; Dec. 9.
 Kallus, Joseph L., Brooklyn, N. Y. Doll. Des. 80,766; Mar. 18.
 Kallus, Joseph L., Brooklyn, N. Y. Toy dog. Des. 80,767; Mar. 18.
 Kallus, Joseph L., Brooklyn, N. Y. Advertising doll. Des. 82,826; Dec. 16.
 Kallus, Joseph L., Brooklyn, N. Y. Doll. 1,772,900; Aug. 12.
 Kalman Steel Company. (See Brody, Maurice D., assignor.)
 Kalman Steel Company. (See Kessler, Harry A., assignor.)
 Kalman Steel Company. (See White, William E., assignor.)
 Kalmeijer, Adrianus A. M. A., The Hague, Netherlands. Sound-transforming apparatus. 1,765,276; June 17.
 Kalnian Steel Company. (See Gersman, Harvey M., assignor.)
 Kalnitz, Joseph, Cincinnati, Ohio. Violin. Des. 82,093; Sept. 23.
 Kalo, Albert, Columbus, assignor of one-half to G. Ghlp, Canton, Ohio. Safety valve for gas burners. 1,748,554; Feb. 25.
 Kalo, Albert, assignor of one-half to J. D. Cox, Columbus, Ohio. Pipe coupling. 1,749,944; Mar. 11.
 Kalo, Albert A., Columbus, assignor of one-half to C. A. Hanner, Canton, Ohio. Multiple wrench. 1,785,125; Dec. 16.
 Kalschne, Georg, Berlin, Germany, assignor to General Electric Company. Electric welding. 1,779,278; Oct. 21.
 Kalte, Fred E., assignor to Randall Control & Hydrometric Corporation, Los Angeles, Calif. Control apparatus for electrically-operated elevator signals. 1,768,361; June 24.
 Kaltenbach, Robert W., Cleveland Heights, Ohio. Grab bucket. 1,763,790; June 17.
 Kamide, Jutaro, Kobe, Japan. Projecting apparatus. 1,776,692; Sept. 23.
 Kamin, Albert A., Chicago, Ill. Screen slide. 1,759,457; May 20.
 Kamita, Kiyoshi, Ushigome-Ku, assignor to The Asahi Glass Company Limited, Tokyo, Japan. Preventing the weathering (especially clouding, tarnishing, and lustering) of the surface of glass. 1,782,169; Nov. 18.
 Kammerdiner, James A., Los Angeles, Calif., assignor of ten one-hundredths to O. P. Yowell, ten one-hundredths to S. R. Robinson, ten one-hundredths to Z. A. Dyer, and ten one-hundredths to C. T. Allen. Casing cutter. 1,747,513; Feb. 18.

- Kammerer, Archer W., Fullerton, assignor to W. Kammerer, Placentia, Calif. Well-drilling bit. 1,769,956; July 8.
- Kammerer Corporation. (See Jones, Winfield S., assignor.)
- Kammerer, George, Whittier, Calif. Pump-operating mechanism. 1,758,609; May 13.
- Kämmerer, Hans. (See Krzikalla, H., and Kämmerer.)
- Kämmerer, Hans, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs containing chromium. 1,753,120; Apr. 1.
- Kämmerer, Hans, Mannheim, and K. Holzach, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Chromium compounds of azo dyes. 1,775,644; Sept. 16.
- Kammerer, William. (See Kammerer, Archer, assignor.)
- Kammgarnspinnerei Gautzsch bei Leipzig Aktiengesellschaft. (See Jacob, Georg, assignor.)
- Kampman, Frederick H., Detroit, Mich. Auto accelerator-regulating device. 1,759,355; May 20.
- Kamradt, Leon A. (See Johnson, Erik W., assignor.)
- Kamrath, Herbert G. (See McKinley, C. W., and Kamrath.)
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Filter. 1,742,768; Jan. 7.
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,742,769; Jan. 7.
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Fuel pump. 1,742,770; Jan. 7.
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Crank-case ventilation. 1,744,005; Jan. 14.
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,744,708; Jan. 21.
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,746,218; Feb. 4.
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,757,432; May 6.
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,761,923; June 3.
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Oil filter. 1,761,924; June 3.
- Kamrowski, Anton P., Cochrane, Wis. Tractor grain binder. 1,756,199; Apr. 29.
- Kandel, John S., Chicago, Ill., assignor to The W. H. Howell Company, Geneva, Ill. Table. Des. 81,749; Aug. 5.
- Kandel, John S., Chicago, assignor to The W. H. Howell Company, Geneva, Ill. Smoking stand. Des. 81,880; Aug. 26.
- Kandel, John S., Chicago, assignor to Chicago Hardware Foundry Company, North Chicago, Ill. Tray attachment for smokers' and like stands. 1,752,272; Mar. 25.
- Kandt, Rudolf. (See Wiczeorek, Emanuel, assignor.)
- Kane, Bernard N., East Liverpool, Ohio, assignor to Warwick China Company, Wheeling, W. Va. Plate. Des. 82,471; Nov. 4.
- Kane, Edward W. (See Douglas, John F. H., assignor.)
- Kane, Edward W. (See Douglas, J. F. H., and Kane.)
- Kane, John J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power system. 1,763,616; June 10.
- Kane, P. M., et al. (See Reini, Jack, assignor.)
- Kane, Paul, Neuss, Germany, assignor to International Harvester Company. Clutch-control lever for reapers. 1,762,395; June 10.
- Kane, Thomas H., assignor to Truscon Steel Company, Youngstown, Ohio. Structural material. 1,751,923; Mar. 25.
- Kanehl, Hubert E., Solomon, Kans. Attachment for internal-combustion engines. 1,766,437; June 24.
- Kaneko, Shinuemon, Mutsujimura, Kitaadachigun, Japan. Rat trap. 1,777,974; Oct. 7.
- Kanengeiser, Paul A. (See Keplinger, R. B., and Kanengeiser.)
- Kaner, Abraham, St. Louis, Mo. Rumble-seat enclosure. 1,760,144; May 27.
- Kanhäuser, Franz, Kaznejov, near Plzen, assignor to Montan- und Industrial-Werke vormals Joh. Dav. Starck, Dolní Rychnov, near Falknov, Czechoslovakia. Production of citric acid by fermentation. 1,779,001; Oct. 21.
- Kania, Rudolph, Vindex, Md. Lld for double domestic boilers. 1,774,276; Aug. 26.
- Kann, Daniel J., Eau Claire, Wis. Holder for sanitary covers for toilet seats. 1,760,363; May 27.
- Kann, Louis J., Cleveland, Ohio. Worker's lamp. 1,752,343; Apr. 1.
- Kanner, Henry, San Antonio, Tex. Wheel and tire cover. 1,753,519; Apr. 8.
- Kanner, Samuel, New York, N. Y. Hat leather. 1,775,561; Sept. 9.
- Kanning, Wilhelm, Cologne, and O. Buschmann, Cologne-Nippes, Germany. Washout plug. 1,774,889; Sept. 2.
- Kanowitz, Lena, New York, N. Y. Dress-hanger body. Des. 81,983; Sept. 9.
- Kansas City Gasoline Company. (See Wellman, Frank E., assignor.)
- Kanst, Edwin A., Chicago, Ill. Tree irrigator. 1,778,030; Oct. 14.
- Kanter, Abram S., Moscow, Union of Soviet Socialist Republics, assignor to State Electrotechnical Trust, Moscow, Russia. Electric winding with variable pitch. 1,754,685; Apr. 15.
- Kanter, Edward, and E. Feldman, Cleveland Heights, Ohio. Article-dispensing stand. Des. 81,337; June 10.
- Kanter, Edward, and E. Feldman, Cleveland Heights, Ohio. Article-dispensing-machine casing. Des. 82,890; Dec. 23.
- Kanter, Maurice W., T. L. Clark, and W. B. Wilson, Port Allegany, Pa. Motion-control means for the spindles of textile-spinning machines. 1,772,315; Aug. 5.
- Kantor, James, O. W. Fick, and W. J. Traxel, assignors to Liquid Carbonic Co., Chicago, Ill. Filling mechanism. 1,779,171; Oct. 21.
- Kantor, James, O. W. Fick, and W. J. Traxel, assignors to Liquid Carbonic Co., Chicago, Ill. Filling machine. 1,779,739; Oct. 28.
- Kantor, James, and C. H. Miller, Chicago, Ill. Dispensing device. 1,763,971; June 17.
- Kantor, James, and C. H. Miller, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Filling mechanism. 1,777,467; Oct. 7.
- Kantor, James, and C. H. Miller, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Filling mechanism. 1,777,800; Oct. 7.
- Kant Tip For Tots Incorporated. (See Sutton, Ruth, assignor.)
- Kaough, Joseph W., near Houston, Tex. Sectional wedge slip. 1,749,945; Mar. 11.
- Kaough, Joseph W., near Houston, Tex. Wedge slip for rotaries. 1,749,946; Mar. 11.
- Kapeluchnikoff, Mathieu A., Baku, Russia. Expandable boring tool for hydraulic boring appliances. 1,752,092; Mar. 25.
- Kaplan, Benjamin, and L. Rosenberg, New York, N. Y. Coat lining. 1,756,829; Apr. 29.
- Kaplan, Harry E., and B. L. Bouer, Chicago, Ill. Telephone-pad attachment. 1,767,003; June 24.
- Kaplan, Isidor, New York, N. Y. Adjustable garment closure. 1,753,657; Apr. 8.
- Kaplan, Louis, and G. Weiss, Chicago, Ill. Coin-controlled mechanism. 1,775,129; Sept. 9.
- Kaplan, Reuben A., assignor to Owatonna Tool Co., Owatonna, Minn. Tool. 1,768,692; July 1.
- Kaplansky, Abram A., Moscow, Union of Socialist Soviet Republics. Oil pump. 1,758,159; May 13.
- Kaplick, Max, New York, N. Y. Acoustic device. 1,757,966; May 13.
- Kapp, Leonard B., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Lubrication of bearings. 1,764,727; June 17.
- Kappel, Adolph, Brooklyn, N. Y. Clothesline pulley. 1,753,084; Apr. 1.
- Kappelly, Joseph, New York, N. Y. Coin-controlled dispensing machine. 1,774,890; Sept. 2.
- Kappelmann, Frederick A., Brooklyn, N. Y. Composition floor strip. 1,748,573; Feb. 25.
- Kappes, Andrew C., assignor to Wm. Wrigley Jr., Company, Chicago, Ill. Confection package. 1,751,208; Mar. 18.
- Kappes, George W., Milwaukee, Wis., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Needle cylinder for circular-knitting machines. 1,758,079; May 13.
- Kappes, William H., assignor to The Verdin, Kappes & Verdin Company, Cincinnati, Ohio. Clutch. 1,754,794; Apr. 15.
- Käppler, Felix, Dresden, Germany. Match. 1,768,202; June 24.
- Kappler, Laurence H., Brooklyn, assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier or similar article. Des. 80,319; Jan. 14.
- Kapps, Robert E., assignor to W. & L. E. Gurley, Troy, N. Y. Surveyor's rod. 1,783,507; Dec. 2.
- Kapustka, Mae C., Chicago, Ill. End curl fastener. 1,767,681; June 24.
- Karabatsos, Peter N., assignor of one-half to E. Demeur, Oak Park, Ill. Electric fan. 1,783,652; Dec. 2.
- Karageorge, James, Chicago, Ill. Fan. Des. 82,944; Dec. 30.
- Karagheusian, A. & M., Inc. (See Miller, Walter F., assignor.)
- Karasuda, Selsuke, Kapaa, Hawaii. Signaling device. 1,745,220; Jan. 28.
- Karbowsky, Victor, Chicago, assignor to F. S. Feldheim, Evanston, Ill. Internal spring-metal reenforcing member. 1,751,741; Mar. 25.
- Karbowsky, Victor, Idaho Springs, Colo., W. C. Smith, Des Moines, Iowa, assignors to Lake Shore Tire & Rubber Company, Chicago, Ill. Collapsible drum. 1,754,273; Apr. 15.
- Karcher, Harry C., Dearborn, assignor to Ford Motor Company, Highland Park, Mich. Airplane shock absorber. 1,744,551; Jan. 21.
- Karcher, John C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Changing the properties of silicon steel. 1,752,490; Apr. 1.
- Kardos, John, Perth Amboy, N. J., and D. Fischer, Jamaica, N. Y., assignors of one-fourth to H. Fischer, Perth Amboy, N. J. Life-saving device for sunken ships. 1,749,821; Mar. 11.
- Karfol, Edward, Brooklyn, N. Y. Dolly. Des. 80,318; Jan. 14.
- Karfol, Edward, Brooklyn, N. Y. Dolly. Des. 80,841; Apr. 1.
- Karfol, Edward, Brooklyn, N. Y. Dolly. Des. 81,338; June 10.
- Karfol, Edward, Brooklyn, N. Y. Dolly. Des. 81,339; June 10.

- Karfiol, Edward, Brooklyn, N. Y. Dolly. Des. 82,158; Sept. 30.
- Karfiol, Edward, Brooklyn, N. Y. Dolly. Des. 82,159; Sept. 30.
- Karg, Rudolf, and J. Weiss, Lucerne, Switzerland. Producing insulating sheets. 1,752,561; Apr. 1.
- Karger, David, Milwaukee, Wis. Knitted cap and making the same. 1,787,043; Dec. 30.
- Karibo, Edmond C., E. S. Pearce, and R. W. Retterer, Indianapolis, Ind., assignors to Transportation Devices Corporation. Power mechanism for controlling the reverse gears of locomotives. 1,751,276; Mar. 18.
- Karibo, Edmond C., E. S. Pearce, and R. W. Retterer, assignors to Transportation Devices Corporation, Indianapolis, Ind. Power-reverse-gear mechanism. 1,751,277; Mar. 18.
- Kari-Keen Manufacturing Company. (See Wilson, William W., assignor.)
- Karitzky, John. (See Pleister, H. W., and Karitzky.)
- Karitzky, John, assignor to Henry B. Newhall Corporation, Garwood, N. J. Bolt anchor. 1,751,818; Mar. 25.
- Karl, George E., assignor to The Dunham Company, Berea, Ohio. Tillage wheel. Des. 82,205; Sept. 30.
- Karl, Heinrich, Jersey City, N. J. Sanitary food container and method for opening it. 1,773,362; Aug. 19.
- Karl, Heinrich, Jersey City, N. J. Automatically signaling and controlling trains according to the position of track switches. 1,781,284; Nov. 11.
- Karle, John D., Roselle Park, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Dynamo-electric machine. 1,769,785; July 1.
- Karle, John D., Roselle Park, N. J., assignor to Diehl Manufacturing Company, Elizabeth, N. J. Dynamo-electric machine. 1,769,786; July 1.
- Karle Lithographic Company, The. (See Caulfield, Merville H., assignor.)
- Karle Lithographic Company. (See Paris, George W., assignor.)
- Karlik, Wilhelm, Chicago, Ill., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Rope sheave. 1,747,013; Feb. 11.
- Karlovit, Laszlo, Budapest, Hungary. Driving gear for motor-driven vehicles. 1,761,478; June 3.
- Karlslyst, Oscar, Sacramento, Calif. Screen and window. 1,752,640; Apr. 1.
- Karlson, Albert, Kansas City, Kans. Poultry crate. 1,771,492; July 29.
- Karlson, Julius H., Chicago, Ill. Combined mixing and serving glass for drink mixers. 1,754,560; Apr. 15.
- Karmazin, John, Detroit, Mich. Series condenser for refrigerator cooling. 1,745,544; Feb. 4.
- Karmazin, John, Detroit, Mich. Apparatus for forming radiators. 1,749,383; Mar. 4.
- Karmazin, John, Detroit, Mich. Forming radiator elements. 1,753,295; Apr. 8.
- Karmazin, John, Detroit, Mich. Pressure valve and condenser. 1,761,396; June 3.
- Karmazin, John, Detroit, Mich. Heat exchanger. 1,761,397; June 3.
- Karmazin, John, Detroit, Mich. Radiator. 1,775,041; Sept. 2.
- Karmazin, John, Detroit, Mich. Brine-tank evaporation unit. 1,780,930; Nov. 11.
- Karmazin, John, Detroit, Mich. Radiator. 1,786,952; Dec. 30.
- Karmazin, John, East Elmhurst, N. Y. Radiator. 1,761,395; June 3.
- Karnasch, Leopold M., San Francisco, Calif. Torque transmitter. 1,764,266; Jan. 17.
- Karnoupakis, George. (See De Franco, Frank, assignor.)
- Karns, Ira A., Wichita Falls, Tex., assignor to H. J. Hausler. Attachment for well-drilling rigs. 1,756,364; Apr. 29.
- Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Receiver arrangement for electric television apparatus. 1,762,231; June 10.
- Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Mechanical oscillator of constant-frequency value. 1,763,853; June 17.
- Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Phase-correcting coupling for picture transmission. 1,784,526; Dec. 9.
- Karpen, S., & Bros. (See Bell, Lawrence, assignor.)
- Karpen, S., & Bros. (See Edwards, Edward J., assignor.)
- Karpen, S., & Bros. (See Havel, Frank, assignor.)
- Karpen, S., & Bros. (See Hultgren, Charles R., assignor.)
- Karpes, Ellis B., Philadelphia, Pa. Internal-combustion engine. 1,771,335; July 22.
- Karplus, Hans, Frankfurt-on-the-Main, Germany. Manufacture of hollow artificial threads. 1,770,310; July 8.
- Karr, Francis, Holland, Mich. Spring assembly. 1,744,389; Jan. 21.
- Karrer, Sebastian, Washington, D. C., assignor to Brake Synchrometer Co., Boston, Mass. Apparatus for testing brakes. 1,746,777; Feb. 11.
- Karsten, Ben, What Cheer, Iowa. Valve. 1,761,129; June 3.
- Karsten, Karl G., New York, N. Y. Radio program detector. 1,752,302; Apr. 1.
- Kasan, Louis, New York, N. Y. Awning. 1,750,271; Mar. 11.
- Kascak, Stephen O., Hugoton, Kans. Animal trap. 1,762,783; June 10.
- Kasch, Henry J., Dayton, Ohio. Knob. Des. 82,827; Dec. 16.
- Kaschtovsky, Alois, Prague, Czechoslovakia. Nut-locking device. 1,750,523; Mar. 11.
- Kaser, Everett D., assignor to Durabilt Steel Locker Co., Aurora, Ill. Locker latch. 1,774,330; Aug. 26.
- Kash, Wilhelm. (See Hannach, Oscar, assignor.)
- Kaskouras, Thomas, Chicago, Ill. Butter dispenser and cutter. 1,758,257; May 13.
- Kaskouras, Thomas, Chicago, Ill. Dispensing device. 1,764,728; June 17.
- Kaskouras, Thomas, Chicago, Ill. Butter-cutting machine. 1,768,693; July 1.
- Kasley, Alexander T., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Internal-combustion engine piston. 1,742,396; Jan. 7.
- Kasley, Alexander T., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Internal-combustion engine. 1,759,946; May 27.
- Kasloff, Benjamin B. (See Rosenberg, Max A., assignor.)
- Kaspar, Emil, Clay Center, Kans. Governor for internal-combustion engines. 1,777,370; Oct. 7.
- Kasper, Anthony, Scotia, N. Y. Cutting board. 1,745,099; Jan. 28.
- Kasper, Joseph F., Louisville, Ky. Kitchen cabinet. Des. 82,430; Nov. 4.
- Kasper, Louis. (See Kaufmann, J. J., and Kasper.)
- Kasper, Walter F., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn. Bearing key. 1,772,008; Aug. 5.
- Kasper, Walter F., Fairmont, Minn., and E. J. McKernan, Topeka, Kans., assignors to Fairmont Railway Motors, Inc., Fairmont, Minn. Set-off vehicle top. 1,751,924; Mar. 25.
- Kass, Samuel M., Philadelphia, Pa. Safety stand for use with gas stoves. 1,752,562; Apr. 1.
- Kass, Samuel M., Philadelphia, Pa. Protective support for use with gas stoves. 1,755,603; Apr. 22.
- Kass, Samuel M., Philadelphia, Pa. Plumber's bib. 1,759,904; May 27.
- Kassapian, Vincent, Berlin, assignor to the firm Müller & Grünstein, Elgersburger Feuerzeugfabrik, Elgersburg, Germany. Pyrophoric lighter. 1,762,061; June 3.
- Kassebaum, Heinrich, Halle Saale, Germany. Pantomographic scribing instrument. 1,775,904; Sept. 16.
- Kassel, Morris B., Brooklyn, N. Y. Cutting device. 1,782,901; Nov. 25.
- Kasser Egg Process Co. (See Kasser, Morris, assignor.)
- Kasser Egg Process Company. (See Lindstrom, Andrew E., assignor.)
- Kasser, Morris, assignor to Kasser Egg Process Co., San Francisco, Calif. Thermostatic switch. 1,777,000; Sept. 30.
- Kassler, Adolph, assignor to American Car and Foundry Company, New York, N. Y. Brake-actuating mechanism. 1,748,071; Feb. 25.
- Kassler, Adolph, assignor to American Car and Foundry Company, New York, N. Y. Hopper car. 1,760,601; May 27.
- Kassler, Edwin S., jr., et al., trustees. (See Sherrick, Samuel T., assignor.)
- Kassner, Ernst, Berlin, Germany. Calculating machine. 1,773,145; Aug. 19.
- Kassner, Ernst, Berlin, Germany. Combined duplex adding machine and cash register. 1,783,943; Dec. 2.
- Kassner, Ernst, New York, N. Y. Actuating mechanism for calculating machines. 1,774,924; Sept. 2.
- Kast, Miller I., Harrisburg, Pa. Friction hinge. 1,745,545; Feb. 4.
- Kastead, Rose, Cressey, Mich. Drier. 1,749,485; Mar. 4.
- Kastenhuber & Lehrfeld. (See Woodward, John E., assignor.)
- Kastner, Richard, Steyrermühl, and H. Schmolka, Vienna, Austria. Treating paperboard and the like. 1,785,484; Dec. 16.
- Kastrup, Harry, assignor of one-third to Kastrup and one-third to F. B. Haller, St. Louis, Mo. Combination of an inlet valve and an exhaust valve for internal-combustion motors. 1,771,336; July 22.
- Kastrup, Herman, et al. (See Kastrup, Harry, assignor.)
- Kasuboski, Clement B.; D. F. Breed, guardian of said C. B. Kasuboski, a minor, and said Kasuboski assignors of one-half to R. H. Morris, Clintonville, Wis. Combined brake and auxiliary wing mechanism for aeroplanes. 1,776,733; Sept. 23.
- Katagiri, Chihiro, Tokio, Japan, assignor to Yoshio Katagiri, New York, N. Y. Mechanical toy. 1,780,557; Nov. 4.
- Katagiri, Yoshio. (See Katagiri, Chihiro, assignor.)
- Katcher, Morris. (See Stein, J., and Katcher.)
- Kath, Alfred W., Detroit, Mich. Internal-combustion engine. 1,747,636; Feb. 18.
- Kath, Alfred W., Detroit, Mich. Rotary reciprocating valve for internal-combustion engines. 1,766,127; June 24.
- Kath, Alfred W., Detroit, Mich. Rotary reciprocating valve for internal-combustion engines. 1,766,128; June 24.
- Kathe, Leo, Lakewood, Ohio. Translucent decoration and sign. 1,765,981; June 24.
- Kathman, Wesley H., Castell, Tex. Sterilizer. 1,742,545; Jan. 7.
- Kato, Kitano, Tokio, Japan. Window. 1,771,222; July 22.
- Katona, Louis F., Los Angeles, Calif. Sewer-flushing device. 1,756,596; Apr. 29.
- Katow, Kitano, Tokyo, Japan. Sash balance. 1,787,111; Dec. 30.
- Katscher, Sigmund. (See Chmielowski, Alfred, assignor.)

- Katsounakis, Antonios G., Steubenville, Ohio. Garter or similar article. Des. 80,487; Feb. 11.
- Katsounakis, Antonios G., Steubenville, Ohio. Garter or similar article. Des. 80,731; Mar. 18.
- Katte, Frank J., and B. L. Minturn, assignors of one-third to J. M. Silver, Springfield, Ohio. Direction signal for motor vehicles. Des. 81,093; May 6.
- Katterjohn, August H., assignor to Gardner-Denver Company, Denver, Colo. Chuck structure. 1,748,021; Feb. 18.
- Kattwinkel, Hans, Coswig, Germany. Manufacture of friction bodies. 1,755,355; Apr. 22.
- Kattwinkel, Hans, Coswig, Saxe, Germany. Power-transmitting means. 1,759,356; May 20.
- Kattwinkel, Hans, Coswig, Germany. Friction body. 1,773,533; Aug. 19.
- Kattwinkel, Hans, Coswig, Germany. Friction body for friction couplings, brakes, and the like. 1,780,710; Nov. 4.
- Katz, Alexander S., Brooklyn, N. Y. Latch or similar article. Des. 81,737; July 29.
- Katz and Blakemore. (See Blakemore, Alfred P., assignor.)
- Katz, Ernst, Vienna, Austria. Loose-lead-pencil holder. 1,748,229; Feb. 25.
- Katz, Martin, Brooklyn, N. Y. Mail chute. 1,785,867; Dec. 23.
- Katz, Solomon, Pittsburgh, Pa., assignor to Syntron Company. Controlling reciprocating electric motors. 1,774,751; Sept. 2.
- Katzinger, Arthur, assignor to Edward Katzinger Company, Chicago, Ill. Cake pan. 1,744,552; Jan. 21.
- Katzinger, Arthur, Glencoe, assignor to Edward Katzinger Company, Chicago, Ill. Baking tray. 1,756,558; Apr. 29.
- Katzinger, Edward, Company. (See Katzinger, Arthur, assignor.)
- Katzinger, Edward, Company. (See Kollman, Jacob, assignor.)
- Katzinger, Edward, Company. (See Leucht, Mella, assignor.)
- Katzman, Jacob, Brooklyn, N. Y. Friction-clutch-driving mechanism. 1,775,724; Sept. 16.
- Kauch, Robert. (See Paulus, C. L., and Kauch.)
- Kauch, Robert, Camp Nichols, P. I., and C. L. Paulus, Dayton, Ohio. Apparatus for maintaining the direction of aircraft in flight. 1,745,933; Feb. 4.
- Kauch, Robert, Camp Nichols, P. I., and C. L. Paulus, Dayton, Ohio. Automatic control for electrical attachments. 1,745,934; Feb. 4.
- Kauch, Robert, and C. L. Paulus, Dayton, Ohio. Range finder and gun sight. 1,759,012; May 20.
- Kaufels, Otto. (See Voigtländer, H., and Kaufels.)
- Kauffman, Albert J., Johnstown, Pa. Changeable exhibitor. 1,779,475; Oct. 28.
- Kauffman, Edmund J., Girard, assignor to Valley Mould & Iron Corporation, Hubbard, Ohio. Ingot mold. 1,762,098; June 3.
- Kauffman, Leroy A., and W. Davis, Washington, D. C., assignors to W. Noble, Detroit, Mich. Hydraulic valve gear. 1,786,716; Dec. 30.
- Kauffman, Myer. (See Chadwick, Bernard, assignor.)
- Kauffman, Walter B., assignor, by mesne assignments, to E. S. Foster, Boston, Mass. Metal dish tray for dish-washing machines. 1,760,307; May 27.
- Kauffmann, Ferdinand E., Rahway, N. J. Hat block. 1,742,397; Jan. 7.
- Kauffmann, Frederick F., Camden, N. J., assignor to The Insinger Company, Philadelphia, Pa. Dish-sterilizing apparatus. 1,749,947; Mar. 11.
- Kauffmann, John W., Chicago, Ill. Illuminator, defroster, deheater, and display device for windows, show cases, and other places. 1,757,718; May 6.
- Kaufman, Abraham, New York, N. Y. Display stand. 1,769,140; July 1.
- Kaufman, Adolph, Fairfield, Conn. Valve-lifting tool. 1,786,715; Dec. 30.
- Kaufman, Frederick B., Philadelphia, Pa. Illuminated container. 1,742,958; Jan. 7.
- Kaufman, Gerson, New York, N. Y. Syringe nozzle. Des. 82,631; Dec. 2.
- Kaufman, Godfrey, Detroit, Mich. Extension for indicators. 1,757,313; May 6.
- Kaufman, Harry G., New York, N. Y. Gem setting. Des. 80,895; Apr. 8.
- Kaufman, Harry G., New York, N. Y. Gem setting. Des. 80,896; Apr. 8.
- Kaufman, Harry G., New York, N. Y. Gem setting. Des. 80,897; Apr. 8.
- Kaufman, Harry G., New York, N. Y. Gem setting. Des. 80,898; Apr. 8.
- Kaufman, Henry J. (See Deans, W., and Kaufman.)
- Kaufman, Hyman, Cleveland, Ohio. Pocket construction. 1,746,897; Feb. 11.
- Kaufman, John, A. Seymour, Ind. Brick-mason tool. 1,764,106; June 17.
- Kaufman, Morris J., Chicago, Ill. Picture frame. 1,765,980; June 24.
- Kaufman, Phillip H., Cleveland Heights, Ohio. Book with page-ruling attachment therefor. 1,787,005; Dec. 30.
- Kaufman, Solomon, New York, N. Y. Nonspillable container. 1,756,249; Apr. 29.
- Kaufman, Solomon, New York, N. Y. Surface-treating device. 1,773,900; Aug. 26.
- Kaufman, Tobias J., Chicago, Ill. Waste-valve fitting. 1,758,226; May 13.
- Kaufman, Walter F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Color fountain for block-printing machines. 1,756,200; Apr. 29.
- Kaufmann, August, Tampa, Fla. Card table. 1,771,851; July 29.
- Kaufmann, Benjamin H. (See Jacobs, G., and Kaufmann.)
- Kaufmann Department Stores, Inc. (See Crumpton, Kenneth R., assignor.)
- Kaufmann, Franklin W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,744,228; Jan. 21.
- Kaufmann, Hans P., J. and M. Schubert, Fechenheim, near Frankfurt-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft. Introducing sulphocyanic groups into organic compounds. 1,765,678; June 24.
- Kaufmann, Hans P., Jena, and M. Schubert, Fechenheim, near Frankfurt-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft. New compounds of the thiazolic series and making same. 1,787,315; Dec. 30.
- Kaufmann, Hans P., Jena, and M. Schubert, Frankfurt-on-the-Main-Fechenheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. New compounds of the thiazolic series. 1,787,316; Dec. 30.
- Kaufmann, Harry A., Highland Park, Mich. Razor. 1,753,422; Apr. 8.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Combined heddle and lingo and making the same. 1,760,649; May 27.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 1,780,786; Nov. 4.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 1,783,793; Dec. 2.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 1,783,794; Dec. 2.
- Kaufmann, John J., Elkins Park, and L. Kasper, Philadelphia, assignors to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 1,776,120; Sept. 16.
- Kaufmann, Wilhelm. (See Liechty, Hermann, assignor.)
- Kauhl, Christian G., et al. (See Carr, John, assignor.)
- Kaun, Eugen, Lindelfingen, Germany, assignor to Dayton Scale Company, Dayton, Ohio. Dashpot. 1,775,349; Sept. 9.
- Kaupke, Lee H., assignor to Rock Island Plow Company, Rock Island, Ill. Seed planter. 1,753,520; Apr. 8.
- Kaupke, Lee H., assignor to Rock Island Plow Company, Rock Island, Ill. Cultivator. 1,767,851; June 24.
- Kaupke, Lee H., assignor to Rock Island Plow Company, Rock Island, Ill. Lister. 1,767,852; June 24.
- Kaupke, Lee H., assignor to Rock Island Plow Company, Rock Island, Ill. Two-row planter. 1,767,853; June 24.
- Kavanau, Ira, New York, N. Y. Hosiery package. 1,780,558; Nov. 4.
- Kavin, William L., assignor to D. Klebanoff, Petaluma, Calif. Float-controlled valve. 1,777,091; Sept. 30.
- Kawai, Kametaro, Tokyo, Japan. Preparing concentrated cod-liver oil. 1,753,790; Apr. 8.
- Kawamori, Matajiri, Kwanto-Shu, Japanese leased territory in China. Automatically-inking numbering machine. 1,779,002; Oct. 21.
- Kawneer Company, The. (See Eaglesfield, Frederick R., assignor.)
- Kawneer Company, The. (See Fraser, John A., assignor.)
- Kawneer Company, The. (See Plym, Francis J., assignor.)
- Kay Brunner Steel Products, Inc. (See Harrison, Arthur W., assignor.)
- Kay-Brunner Steel Products Inc. (See Kay, Lloyd D., assignor.)
- Kay, Daniel F., jr., Ashland, Oreg. Controlling means for recording pumps. 1,766,386; June 24.
- Kay, David, Blackford, Scotland. Controlling the angle of incidence of aero revolving blades or wings and propellers. 1,750,778; Mar. 18.
- Kay, L. D. (See Harrison, Arthur W., assignor.)
- Kay, Lloyd D., Los Angeles, Calif. Molding apparatus. 1,753,608; Apr. 8.
- Kay, Lloyd D., assignor to Kay-Brunner Steel Products Inc., Los Angeles, Calif. Making grille work. 1,768,362; June 24.
- Kay, Lloyd D., Los Angeles, Calif., assignor to Kay Brunner Steel Products, Inc. Making wheels. 1,779,476; Oct. 28.
- Kay, Norman, Jobos, P. R. Cane-milling apparatus. 1,758,445; May 13.
- Kay, Oscar, Los Angeles, Calif. Atomizer. 1,764,107; June 17.
- Kay, Van W. (See Hughes, R. M., and Kay.)
- Kay-Petty Mfg. Co. (See Petty, William S., assignor.)
- Kay, Rose, Brooklyn, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,903; Aug. 26.
- Kay, William E., Elyria, Ohio. Cutting machine. 1,780,680; Nov. 4.
- Kay, William E., Elyria, Ohio. Cutting machine. 1,782,305; Nov. 18.

- Kayan, Fritz, Lyndhurst, N. J. Jar or similar receptacle. Des. 82,376; Oct. 28.
- Kayano, Hidegi, Baker, Oreg. Automobile signal. 1,773,682; Aug. 19.
- Kayes, Augustus E., and F. Moehling, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Mold wash. 1,767,764; June 24.
- Kayes, Sydney C., assignor to Montello Heel Company, Brockton, Mass. Lift for separately-formed attachable heels. 1,781,847; Nov. 18.
- Kaylon, Incorporated. (See Friedmann, Jacob, assignor.)
- Kaylor, John M., Cartersville, Va. Violin. 1,777,618; Oct. 7.
- Kayser Hosiery Motor Mend Corporation. (See Van Dyke, William D., assignor.)
- Kayser, the firm J. G., A. G. (See Nagel, Konrad, assignor.)
- Kayser, Julius, & Co. (See Underwood, J., and Barnet, assignors.)
- Kaz, Samuel J., assignor to Mohawk Products Company, Chicago, Ill. Table lamp. Des. 82,828; Dec. 16.
- Kazazian, Krikor H., Chicago, Ill. Utensil-cleaning machine. 1,757,909; May 6.
- Keagle, Raymond H. and S. E., Minneapolis, Minn. Combined muffler and air heater. 1,755,924; Apr. 22.
- Keagle, Stanley E. (See Keagle, Raymond H. and S. E.)
- Keall, Frank B. (See Bates, A., and Keall.)
- Kean, Gilbert P., assignor of one-fourth to A. L. Fletcher and one-fourth to P. J. Thompson, Minneapolis, Minn. Circulating heated air in the closed bodies of automobiles. 1,758,705; May 13.
- Kean, Otho V., Providence, R. I. Plaster-board structure. 1,761,730; June 3.
- Kean, Otho V., Providence, R. I. Noncorrodible reenforced pipe. 1,763,860; June 10.
- Kean, Otho V., Providence, R. I. Cigarette. 1,770,616; July 15.
- Kean, Otho V., Providence, R. I. Scrubbing device. 1,773,734; Aug. 26.
- Keane, Francis B. (See Papst, Hermann, assignor.)
- Kearn & Trecker Corporation. (See Andrew, William K., assignor.)
- Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine-tool attachment. 1,763,711; June 17.
- Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling cutter. 1,778,260; Oct. 14.
- Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Adjustable housing. 1,783,653; Dec. 2.
- Kearney, Edward J., Wauwatosa, and J. B. Armitage, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Milling machine. 1,771,575; July 29.
- Kearney, Edward J., Wauwatosa, and Joseph B. Armitage, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine-tool organization. 1,782,235; Nov. 18.
- Kearney, James R., Kansas City, Mo. Cable rack. 1,766,254; June 24.
- Kearney, James R., St. Louis, Mo. Guy clip. 1,783,967; Dec. 9.
- Kearney, James R., St. Louis, Mo. Fastening means for cables. 1,783,968; Dec. 9.
- Kearney, James R., Corporation. (See Trescott, John B., assignor.)
- Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)
- Kearney & Trecker Corporation. (See Armitage, J. B., and Parsons, assignors.)
- Kearney & Trecker Corporation. (See Havlista, George F., assignor.)
- Kearney & Trecker Corporation. (See Kearney, Edward J., assignor.)
- Kearney & Trecker Corporation. (See Kearney, E. J., and Armitage, assignors.)
- Kearney & Trecker Corporation. (See Parsons, Fred A., assignor.)
- Kearney & Trecker Corporation. (See Trecker, T., and Armitage, assignors.)
- Kearns, Anthony P., Newark, N. J. Dustcap device. 1,764,208; June 17.
- Kearsley, Richard A., Milford, assignor to Draper Corporation, Hopedale, Mass. Let-off mechanism for looms. 1,783,719; Dec. 2.
- Keating, Frances, Spokane, Wash. Window fastener. 1,748,230; Feb. 25.
- Keating, John D., et al. (See Hope, Charles S., assignor.)
- Keating, John H., Portland, Oreg. Adjustable golf club. 1,765,982; June 24.
- Keating, Katherine, et al. (See Hope, Charles S., assignor.)
- Keator, Edward O., Dayton, Ohio. Cable clamp. 1,765,837; June 24.
- Kebler, Leonard, Bronxville, N. Y., assignor to Ward Leonard Electric Company. Rheostat. 1,779,601; Oct. 28.
- Keck, Albert J., Newport, Minn. Printing device. 1,785,833; Dec. 23.
- Keck, Carl F., Pleasant Unity, Pa. Safety block for mine cars. 1,759,791; May 20.
- Keck, Charles H., New York, N. Y. Propellant powder and colliding same. 1,784,189; Dec. 9.
- Keck, Christian, Crescent Springs, Ky. Vehicle suspension means. 1,757,839; May 6.
- Keck, George S., Pasadena, and C. M. Cronkhite, Glendale, Calif., assignors to Pilot Ray Corporation, Wilmington, Del. Dirigible headlight. 1,764,171; June 17.
- Keck, Joseph J., and E. E. Kelley, Parsons, Kans. Lateral eliminator. 1,748,674; Feb. 25.
- Kee, Charles L., Portsmouth, Va. Combined change tray and advertising device. 1,754,363; Apr. 15.
- Keech, Dana E., Glendale, Calif. Fruit distributor. 1,782,826; Nov. 25.
- Keefe, William H., jr. (See Anderson, C. E., and Keefe.)
- Keel, Charles H. (See Thurston, Arthur L., assignor.)
- Keel, James A., Greenfield, Tenn. Stretcher for use in drying and preventing shrinkage of garments. 1,743,355; Jan. 14.
- Keelan, Harry S., assignor to E. R. Squibb and Sons, Brooklyn, N. Y. Colloidal silver iodide compound and preparing same. 1,783,334; Dec. 2.
- Keeler Brass Company. (See Birdsall, Albert L., assignor.)
- Keeler Brass Company. (See Haan, Gilbert J., assignor.)
- Keeler Brass Company. (See Uhlmann, Otto E., assignor.)
- Keeler, Charles H., Stanwell, England. Combined luminous ophthalmoscope and retinoscope. 1,774,832; Sept. 2.
- Keeler, Fanny, New York, N. Y. Doll figure. Des. 80,732; Mar. 18.
- Keeler, Fanny, New York, N. Y. Doll figure. Des. 80,733; Mar. 18.
- Keeling, John G., Oklahoma City, Okla. Toe-dancer's shield. 1,744,122; Jan. 21.
- Keelor, Everett R. (See Goodrich, F. H., and Keelor.)
- Keelor, Everett R. (See Jandus, H. S., and Keelor.)
- Keema, Alexander W., Woonsocket, R. I. Compressor cylinder. 1,770,273; July 8.
- Keema, Ernest, Maspeth, N. Y. Revolving lamp for gasoline pumps. 1,754,829; Apr. 15.
- Keen, John S., Philadelphia, Pa. Valve gear. 1,759,701; May 20.
- Keen, John S., Philadelphia, Pa. Valve gear. 1,784,729; Dec. 9.
- Keen, John S., Philadelphia, and E. M. Shannon, Bala, Pa. Two-wheel locomotive truck. 1,780,082; Oct. 28.
- Keen, Louis E., assignor to The Wanner Malleable Castings Company, Hammond, Ind. Method of and apparatus for forming sectional cores. 1,769,141; July 1.
- Keen, Thomas A., assignor to H. M. Smith, Miami, Fla. Starting cage for racing dogs and the like. 1,775,493; Sept. 9.
- Keenan, George A., Los Angeles, Calif. Scraper step plate. 1,766,786; June 24.
- Keenan, Thomas J., Steubenville, Ohio. Safety valve and drain for boilers. 1,765,162; June 17.
- Keenan, Thomas J., Steubenville, Ohio. Headlight. 1,771,300; July 22.
- Keenan, Thomas R., San Francisco, Calif. Oar. 1,742,260; Jan. 7.
- Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Locomotive boiler. 1,764,172; June 17.
- Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Furnace wall. 1,764,173; June 17.
- Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Making fluid-heating element. 1,764,174; June 17.
- Keenan, Walter F., jr., Pelham Manor, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y. Economizer. 1,782,205; Nov. 18.
- Keenan, Walter F., jr., Pelham, N. Y., and H. F. Eddy, Jackson, Mich., assignors to Foster Wheeler Corporation, New York, N. Y. Superheater boiler. 1,782,096; Nov. 18.
- Keenan, William, Schenectady, N. Y., assignor to General Electric Company. Electric furnace. 1,751,334; Mar. 18.
- Keenan, William E., Lefors, assignor of one-half to J. M. Thomas, Pampa, Tex. Oil-well-casing head. 1,756,597; Apr. 29.
- Keene, Alvin D., Rochester, N. Y. Connecting plug. 1,777,312; Oct. 7.
- Keene, Alvin D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,763,239; June 10.
- Keene, Edward W. W., Kingston-upon-Hull, England. Filtering apparatus. 1,783,937; Dec. 2.
- Keene, Leavitt L. (See Harritt, William W., assignor.)
- Keene, William R., Ruleville, Miss. Cotton-picking sack. 1,782,354; Nov. 18.
- Keener, Monroe, Lititz, assignor to H. J. Hull, Lancaster, Pa. Valve for milking machines. 1,785,313; Dec. 16.
- Keeney, Don E. (See Zubaty, J., and Keeney.)
- Keeney, Don E., assignor to A C Spark Plug Company, Flint, Mich. Instrument panel. 1,750,601; Mar. 11.
- Keeney, Don E., assignor to A C Spark Plug Company, Flint, Mich. Illuminating device for instrument panels. 1,783,920; Dec. 2.
- Keeney, Joseph, Media, Pa. Friction brake. 1,753,466; Apr. 8.
- Keeper, Julius, Chicago, Ill. Lock-equipped attachment plug. 1,771,757; July 29.
- Keeran, Charles R. (See Chelton, R., and Keeran.)
- Keeran, Charles R., Evanston, Ill. Mechanical pencil. 1,768,694; July 1.
- Keeran, Charles R., assignor to Autopoint Company, Chicago, Ill. Double-end pencil. 1,772,868; Aug. 12.

- Keese, Matthew F., South Milwaukee, and A. R. Taylor, Milwaukee, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Hydraulic dredge. 1,772,547; Aug. 12.
- Keet, Gabriel C. E., Klerksdorp, Transvaal, South Africa. Reducing friable materials. 1,776,318; Sept. 23.
- Keeth, James, Spokane, Wash. Plastic composition. 1,743,551; Jan. 14.
- Keeton, Henry H., Richmond, Va. Vegetable slicer. 1,768,072; June 24.
- Keevers, Matthew J., Northampton, Mass. Buckle support. 1,781,014; Nov. 11.
- Kéféli, Michel, Paris, France. Stabilizing device for ships. 1,751,278; Mar. 18.
- Keffer, Joseph W., Chicago, Ill. Clamp. 1,765,235; June 17.
- Kegel, Johannes, Dresden, Germany. Machine for the production in molds of bodies covered with chocolate or similar plastic masses. 1,777,276; Sept. 30.
- Kegler, Anton W., assignor to Hudson Manufacturing Co., Minneapolis, Minn. Pressure-tank cap. 1,782,657; Nov. 25.
- Kegler, Anton W., assignor to Hudson Manufacturing Co., Minneapolis, Minn. Sprayer. 1,786,431; Dec. 30.
- Kégresse, Adolphe, Suresnes, France. Running tread. 1,746,082; Feb. 4.
- Kégresse, Adolphe, Suresnes, France. Endless-track vehicle. 1,786,430; Dec. 30.
- Kégresse, Adolphe, Levallois-Perret, France. Flexible track belt. 1,773,534; Aug. 19.
- Kégresse, Adolphe, Courbevoie, France. Metal and rubber track belt. 1,786,539; Dec. 30.
- Kehawke Manufacturing Co. (See Hawkinson, Paul E., assignor.)
- Kehl, Eugene H. (See Olson, G., and Kehl.)
- Kehl, Robert J., New York, N. Y., assignor to Oxwell Acetylene Company. Valve. 1,779,740; Oct. 28.
- Kehler, Adele W., San Francisco, Calif. Combination tray. Des. 80,842; Apr. 1.
- Kehling, Charles, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Article feed for wrapping machines. 1,786,494; Dec. 30.
- Kehm, August, Chicago, Ill. Radiator supports. 1,773,188; Aug. 19.
- Kehn, Harry, Goodrich, N. Dak. Washing device for separator disks. 1,767,370; June 24.
- Kehoe, Barney A., Cedar Rapids, Iowa. Combination lamp base and sign. Des. 81,697; July 29.
- Kehoe, Basil T., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Seam-calking device. 1,769,787; July 1.
- Kehoe, Richard D., New York, N. Y. Method of and apparatus for drying wood pulp and the like. 1,751,552; Mar. 25.
- Kehoe, Richard D., New York, N. Y. Method and apparatus for drying pulp. 1,770,409; July 15.
- Keidel, Frank, Elmhurst, assignor to The International Seal and Knot Protector Co., New York, N. Y. Seal. 1,783,938; Dec. 2.
- Keighley, Lloyd M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,758,227; May 13.
- Keighley, Lloyd M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,758,258; May 13.
- Keil, Francis, & Son, Inc. (See Dowling, Francis J., assignor.)
- Keil, Francis, & Son, Inc. (See Hansen, Herman, assignor.)
- Keil, Francis, & Son, Inc. (See Keil, Henry F., assignor.)
- Keil, Gustav B. (See Upton, L. C., and Keil.)
- Keil, Henry F., Scarsdale, N. Y. Construction for display cases and the like. 1,755,880; Apr. 22.
- Keil, Henry F., Scarsdale, N. Y., assignor to Francis Keil & Son, Inc. Lock construction. 1,744,167; Jan. 21.
- Kelley, Patrick E., Atlanta, Ga. Portable elevating bin. 1,743,038; Jan. 7.
- Keilholtz, Lester S., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,768,607; July 1.
- Keilholtz, Lester S., and E. Dickey, Dayton, Ohio, assignors, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,763,659; June 17.
- Keilholtz, Lester S., and C. Warner, Dayton, Ohio, assignors, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,606; July 1.
- Keilholz, George W. (See Doby, J. D., and Keilholz.)
- Keim, Melville, assignor, by mesne assignments, to The Apex Products Corporation, Chicago, Ill. Chemical container. 1,757,530; May 6.
- Keinath, Georg. (See Schleicher, M., Albrecht, Gaarz, and Keinath.)
- Keipp, Anton, Mansfield, Ohio. Revolving table. 1,781,015; Nov. 11.
- Keiser, Bernhard. (See De Groote, M., and Keiser.)
- Keiser, Bernhard, Webster Groves, Mo. New hydroxylated sulphonation product. 1,745,221; Jan. 28.
- Keiser, David S., Philadelphia, Pa. Automatic impelling device. 1,780,081; Oct. 28.
- Keiser, Herman C., Rock Springs, Wyo. Pipe-handling apparatus. 1,765,163; June 17.
- Keiser, Oliver F., Barnesville, Pa. Antiskid cross member. 1,749,636; Mar. 4.
- Keister, O. B., et al. (See Brown, William S., assignor.)
- Keitel, Christian W., Perth Amboy, N. J., assignor to Baker & Company, Inc. Electrodepositing metals of the platinum group. 1,779,436; Oct. 28.
- Keith, Charles W., assignor to D. K. Stephenson, Denver, Colo. Ensilage cutter and grinder. 1,759,905; May 27.
- Keith, Clyde E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording. 1,743,456; Jan. 14.
- Keith, David F., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. One-way heat interchanger for cooling units of refrigeration apparatus. 1,744,968; Jan. 28.
- Keith, Grady, Oklahoma City, Okla. Steering-wheel lock. 1,745,261; Jan. 28.
- Keith, Henry M., Harrisburg, Ill., assignor to The Keith Motor Company. Engine. 1,770,311; July 8.
- Keith, Irving L. (See Sawyer, Albert F., assignor.)
- Keith Motor Company, The. (See Keith, Henry M., assignor.)
- Keith, Percy C., jr., assignor to The M. W. Kellogg Company, New York, N. Y. Vacuum bell cap and downflow. 1,776,589; Sept. 23.
- Keith, William G., Chicago, Ill., assignor to Welsbach Traffic Signal Company, Philadelphia, Pa. Signal device. 1,750,319; Mar. 11.
- Keith, William G., Chicago, Ill., assignor to Welsbach Traffic Signal Company, Philadelphia, Pa. Electrical flasher. 1,775,242; Sept. 9.
- Keith, William G., Chicago, Ill., assignor to Welsbach Traffic Signal Company, Philadelphia, Pa. Street sign. 1,775,725; Sept. 16.
- Kekich, Charles J. (See Kekich, Thomas M., assignor.)
- Kekich, Thomas M., Alton, Ill., assignor of one-half to C. J. Kekich, Los Angeles, Calif. Converting furnace. 1,774,486; Aug. 26.
- Kelch, James W. (See Roberts, Thomas H., assignor.)
- Kelch, James W. (See Sunday, James J., assignor.)
- Kelch, James W., and J. J. Sunday, Detroit, Mich., assignors to Kelch Ventilating Heater Company. Combined heater and muffler for automobiles. 1,745,492; Feb. 4.
- Kelch Ventilating Heater Company. (See Kelch, J. W., and Sunday, assignors.)
- Kell, George, Louisville, Ohio. Tail skid for aircraft. 1,752,183; Mar. 25.
- Kell, Ray D. (See Alexanderson, E. F. W., and Kell.)
- Kell, Ray D., Scotia, N. Y., assignor to General Electric Company. Transmission of pictures. 1,748,883; Feb. 25.
- Kell, Ray D., Scotia, N. Y., assignor to General Electric Company. Transmission of pictures. 1,768,453; June 24.
- Kell, Ray D., Scotia, N. Y., assignor to General Electric Company. Apparatus for transmitting pictures. 1,778,674; Oct. 14.
- Kellan, Edward L., Chicago, Ill. Valve. 1,777,001; Sept. 30.
- Kelleher, Daniel, Berea, assignor to The Foote-Burt Company, Cleveland, Ohio. Nut-tapping machine. 1,784,631; Dec. 9.
- Kelleher, James. (See Fitzgerald, F. A. J., and Kelleher.)
- Kelleher, James, Chippawa, Ontario, Canada, assignor to Harper Electric Furnace Corporation. Electrical resistor, conductor, and the like. 1,742,259; Jan. 7.
- Kelleher, James, Chippawa, Ontario, Canada, assignor to Harper Electric Furnace Corporation, Philadelphia, Pa. Terminal. 1,764,045; June 17.
- Kelleher, Thomas J., Chicago, Ill. Shield for automobile windows. 1,742,815; Jan. 7.
- Kellems, Edgar E., Jackson Heights, N. Y. Cable grip. 1,747,303; Feb. 18.
- Keller, Albert T., Bethlehem, Pa., assignor, by mesne assignments, to Open Hearth Combustion Company. Open-hearth furnace. 1,769,842; July 1.
- Keller, Albert T., Bethlehem, Pa., assignor, by mesne assignments, to Open Hearth Combustion Company. Open-hearth furnace. 1,769,843; July 1.
- Keller, Albert T., Bethlehem, Pa., assignor to Bethlehem Steel Company. Rolling tubes. 1,782,968; Nov. 25.
- Keller, Andrew P., Tiffin, Ohio. Clay-molding die. 1,782,236; Nov. 18.
- Keller, Arnold B., et al., trustees. (See Graham, William S., assignor.)
- Keller, Arthur C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Combined recorder and reproducer. 1,744,047; Jan. 21.
- Keller, Arthur C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound-reproducing system. 1,784,839; Dec. 16.
- Keller, Charles G., Poughkeepsie, N. Y. Vehicle wheel. 1,768,958; July 1.
- Keller, Charles G., Poughkeepsie, N. Y. Brake drum. 1,768,959; July 1.
- Keller, Charles G., Poughkeepsie, N. Y. Molding machine. 1,768,960; July 1.
- Keller, Charles G., Poughkeepsie, N. Y. Vehicle wheel-hub construction. 1,783,432; Dec. 2.
- Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Fibrous sheet production. 1,754,024; Apr. 8.
- Keller, Charles L., Cincinnati, Ohio, assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roof. 1,775,937; Sept. 16.
- Keller, Charles W., Santa Monica, Calif. Necktie holder. 1,770,139; July 8.

- Keller, Emil, Witkowitz, Czechoslovakia. Mandrel for use in rolling machines. 1,773,004; Aug. 12.
- Keller, Ferdinand, and K. Schnitzspahn, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid diazonium salts of aryl sulphonic acids. 1,744,903; Jan. 28.
- Keller, Ferdinand, and K. Schnitzspahn, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Diazo-salt preparation. 1,758,912; May 13.
- Keller, Frederick L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacturing dies. 1,764,633; June 17.
- Keller, George W., Portsmouth, Ohio. Driving and engine-truck box lubricator. 1,751,160; Mar. 18.
- Keller, Gottlieb, Brugg, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Regulation of furnace electrodes. 1,766,648; June 24.
- Keller, Herbert M., Germantown, Pa. Air-hose coupling. 1,777,754; Oct. 7.
- Keller, James L., Ferndale, Mich. Clotheslines support. 1,783,433; Dec. 2.
- Keller, Joseph M., Kaw, and E. R. Thomas, Denoya, assignors of one-fourth to J. L. Cullison, Webb City, Okla., one-half to said Keller and one-fourth to said Thomas. Surface rod-line jack. 1,779,320; Oct. 21.
- Keller, Karl. (See Kalischer, G., and Keller.)
- Keller, Karl. (See Kalischer, G., Scheyer, and Keller.)
- Keller Mechanical Engineering Corporation. (See Shaw, John C. and R. D., assignors.)
- Keller, Merlin O. (See Heath, S. B., and Keller.)
- Keller, Parry, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Mold for vulcanizing tires. 1,779,396; Oct. 21.
- Keller, Parry, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Mold. 1,781,658; Nov. 11.
- Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Switch apparatus. 1,749,539; Mar. 4.
- Keller, Samuel. (See Deland, Benjamin, assignor.)
- Keller, Thomas A., jr., St. Paul, Minn. Silverware holder. 1,747,010; Feb. 11.
- Keller, Walter D., and W. L. Poto, assignors to The Alliance Machine Company, Alliance, Ohio. Ingot-stripping mechanism. 1,780,787; Nov. 4.
- Keller, Walter E., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash guide. 1,754,517; Apr. 15.
- Keller, William H., Inc. (See Shaff, Ernest H., assignor.)
- Kellett, William P., New York, N. Y. Package-freight carrier. 1,765,591; June 24.
- Kellett, William P., New York, N. Y. Adjustable spring jack for container railway cars. 1,786,495; Dec. 30.
- Kellett, William P., New York, N. Y. Center jack for container cars. 1,786,620; Dec. 30.
- Kelleweay, William G., New York, N. Y. Partition strip for composition flooring. 1,746,429; Feb. 11.
- Kelleweay, William G., New York, N. Y. Partition strip for composition flooring. 1,775,594; Sept. 9.
- Kelley, Blaine, Charlotte, N. C. Garment-drying apparatus. 1,769,882; July 1.
- Kelley, Bolden S., Crockett, Tex. Line rack for cultivators. 1,757,433; May 6.
- Kelley, Cecil S., East McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Making flexible diaphragms. 1,742,398; Jan. 7.
- Kelley Color Films, Inc. (See Kelley, William V. D., assignor.)
- Kelley, Edward C., et al. (See Walker, Jerry S., assignor.)
- Kelley, Edward W. (See Weaver, G. E., and Kelley.)
- Kelley, Ernest E. (See Keck, J. J., and Kelley.)
- Kelley, Frank R., Pittsburgh, Pa. Ventilator. 1,744,476; Jan. 21.
- Kelley, George C., Taft, Calif. Apparatus for heating oil. 1,748,295; Feb. 25.
- Kelley, Horace, assignor to The Dow Chemical Company, Midland, Mich. Casting magnesium and alloys therefor. 1,772,490; Aug. 12.
- Kelley, John C., New York, N. Y. Window box. 1,769,740; July 1.
- Kelley, John E. (See Jancke, B. F., and Kelley.)
- Kelley, John R., Covington, Ky. X-ray photographic apparatus. 1,768,769; July 1.
- Kelley, Lillus A., Calistoga, Calif. Fastening device for garment straps. 1,751,925; Mar. 25.
- Kelley, Leo A., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Interference neutralizer for alternating-current telegraph systems. 1,752,303; Apr. 1.
- Kelley, Leo A., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Reduction of atmospheric interference. 1,752,344; Apr. 1.
- Kelley, Leo A., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Reduction of atmospheric disturbance. 1,752,345; Apr. 1.
- Kelley, Oliver K., assignor to General Motors Corporation, Detroit, Mich. Transmission. 1,768,481; June 24.
- Kelley, Paul S., Greensboro, N. C. Typewriter table. Des. 81,750; Aug. 5.
- Kelley, Peter, Winsted, Conn. Safety-pin holder. 1,767,137; June 24.
- Kelley, Walter P. (See Gates, Frank M., assignor.)
- Kelley, William, Los Angeles, Calif., assignor to Filtrrol Company of California. Producing edible oils from crude cottonseed oil. 1,747,675; Feb. 18.
- Kelley, William V. D., Jersey City, N. J. Color photography. 1,753,379; Apr. 8.
- Kelley, William V. D., Jersey City, N. J., assignor to Kelley Color Films, Inc. Combined black and white and colored image photography. 1,787,201; Dec. 30.
- Kelling, Alfred H., Chicago, Ill. Coating machine. 1,743,275; Jan. 14.
- Kelling, Max J., Wilmette, Ill. Container. 1,779,132; Oct. 21.
- Kellner, Alexis, Berlin, Germany. Combined automobile hood and radiator. Des. 82,160; Sept. 30.
- Kellner, Anton, Karlsbad, Czechoslovakia. Vehicle headlight. 1,758,746; May 13.
- Kellner, Georg, Berlin-Wilmersdorf, Germany. Electrically-controlled braking device for power vehicles. 1,766,078; June 24.
- Kellner, Gustav A. H., deceased, by C. F. Lomb, executor, and W. B. Rayton, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmometer. 1,750,931; Mar. 18.
- Kellner, Louis, Brooklyn, N. Y., assignor to Jefferson Electric Company, Chicago, Ill. Electric switch. 1,780,894; Nov. 4.
- Kellner, Louis, Brooklyn, N. Y., assignor to Jefferson Electric Company, Chicago, Ill. Electric switch. 1,780,895; Nov. 4.
- Kellner, Paul, New York, N. Y. Wrist-watch protector for bathes. 1,763,929; June 17.
- Kellner, Walter H. (See Miller, A. B., and Kellner.)
- Kellogg, Charles G., assignor to The Bauer Brothers Company, Springfield, Ohio. Screen for separating apparatus. 1,778,558; Oct. 14.
- Kellogg Company. (See Kellogg, John L., assignor.)
- Kellogg Company. (See McKay, Eugene H., assignor.)
- Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Loud-speaker. 1,758,797; May 13.
- Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Variable light-producing apparatus. 1,774,382; Aug. 26.
- Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Sound recording and reproducing apparatus. 1,780,681; Nov. 4.
- Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Reproducer. 1,783,044; Nov. 25.
- Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Contact film printer. 1,783,045; Nov. 25.
- Kellogg, Harry F., assignor to Central Screw Company, Chicago, Ill. Wing nut. 1,773,146; Aug. 19.
- Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Metal-working machine. 1,767,289; June 24.
- Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Machine for forming fashioned moldings. 1,773,459; Aug. 19.
- Kellogg, John L., assignor to Warren-teed Seed Company, Chicago, Ill. Treating seeds to secure uniform germination. 1,756,488; Apr. 29.
- Kellogg, John L., assignor to Kellogg Company, Battle Creek, Mich. Combination toasting and shredding oven. 1,783,434; Dec. 2.
- Kellogg, Langdon C., Westfield, and F. Le Boeuf, Springfield, Mass. Shower-bath brush connection. 1,748,774; Feb. 25.
- Kellogg, Leroy D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiving circuit. 1,759,853; May 27.
- Kellogg, M. W., Company, The. (See Hopkins, Robert K., assignor.)
- Kellogg, M. W., Company, The. (See Keith, Percy C., jr., assignor.)
- Kellogg, M. W., Company, The. (See Mikesh, Martin A., assignor.)
- Kellogg, M. W., Company, The. (See Newlin, H. S., assignor, and Date.)
- Kellogg, M. W., Company, The. (See Stanley, George C., assignor.)
- Kellogg, Stephen M., Knoxville, Tenn. Driving belt for cone pulleys. 1,756,790; Apr. 29.
- Kellogg Switchboard & Supply Co. (See Berg, Hans, assignor.)
- Kellogg Switchboard and Supply Company. (See Bohlman, Ernest A., assignor.)
- Kellogg Switchboard and Supply Company. (See Currier, Hiram D., assignor.)
- Kellogg Switchboard and Supply Company. (See Eisler, Henry G., assignor.)
- Kellogg Switchboard and Supply Company. (See Grout, Martin B., assignor.)
- Kellogg Switchboard and Supply Company. (See Howle, John L., assignor.)
- Kellogg Switchboard and Supply Company. (See Jones, Samuel S., assignor.)
- Kellogg Switchboard and Supply Company. (See Kellogg, Leroy D., assignor.)
- Kellogg Switchboard and Supply Company. (See Kiner, Glenn, assignor.)
- Kellogg Switchboard and Supply Company. (See Potter, Earl F., assignor.)
- Kellogg Switchboard & Supply Company. (See Sauer, Louis B., assignor.)
- Kellogg Switchboard and Supply Company. (See Wallace, Bert A., assignor.)

- Kellogg Switchboard and Supply Company. (See Weiss, Alfred H., assignor.)
- Kellogg Switchboard and Supply Company. (See Yanochowski, George A., assignor.)
- Kellogg, William S., Peoria, Ill. Variable condenser. 1,754,894; Apr. 15.
- Kellogg, William W., Los Angeles, Calif. Combination ventilator and light fixture. 1,744,270; Jan. 21.
- Kells, Robert H., Minneapolis, Minn. Index file. 1,778,423; Oct. 14.
- Kelly, Charles L., Chicago, Ill. Carbon-paper holder. 1,743,820; Jan. 14.
- Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Door bumper. 1,775,645; Sept. 16.
- Kelly, Daniel G., Astoria, N. Y. Toy. 1,744,904; Jan. 28.
- Kelly, Edward G., and C. E. Zirkle, Greenville, assignors of one-half to W. C. Groeniger, Columbus, Ohio. Water-supply system. 1,755,993; Apr. 22.
- Kelly, George A. (See Caswell, T. W., and Kelly.)
- Kelly, Harve L., assignor to Container Corporation of America, Chicago, Ill. Container. 1,770,701; July 15.
- Kelly, Henry M. (See Housholder, A. P., and Kelly.)
- Kelly, Hugh W., Woodbridge, N. J. Making track torpedoes. 1,774,925; Sept. 2.
- Kelly, James W., Chicago, Ill. Adjustable shower fixture. 1,758,115; May 13.
- Kelly, Jess C., Cambridge, Ohio. Tray or similar article. Des. 80,625; Mar. 4.
- Kelly, Jess C., Cambridge, Ohio. Salt and pepper shaker. Des. 82,431; Nov. 4.
- Kelly, Jess C., assignor to The Cambridge Glass Co., Cambridge, Ohio. Glass relish tray or similar article. Des. 80,454; Apr. 15.
- Kelly, John A., Brooklyn, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,782,759; Nov. 25.
- Kelly, John L., Los Angeles, Calif. Vulcanizing apparatus. 1,767,682; June 24.
- Kelly, John T., Waco, Tex. Joint. 1,781,848; Nov. 18.
- Kelly, Joseph, Bottle, England. Ship's life-saving apparatus. 1,754,213; Apr. 8.
- Kelly, Leo A., Elmhurst, N. Monk, New York, N. Y., and V. P. Thorp, River Edge, N. J., assignors to American Telephone and Telegraph Company. Interference neutralizer for alternating-current telegraph systems. 1,752,346; Apr. 1.
- Kelly, Loomis L., Salem, Va. Material-handling apparatus. 1,781,644; Nov. 11.
- Kelly, Orin, Columbus, Ohio. Fluid-pressure motor. 1,767,214; June 24.
- Kelly, Patrick J., Chicago, Ill. Combined refrigerating and freight car. 1,773,460; Aug. 19.
- Kelly, Roy H., assignor to Marathon Paper Mills Company, Rothschild, Wis. Surface-marking roll. 1,762,992; June 10.
- Kelly, Sidney R., Gem, Idaho. Hose mender. 1,785,314; Dec. 16.
- Kelly, Timothy J., Passaic, N. J., assignor to Brighton Mills. Netted-cord-fabric bag. 1,749,734; Mar. 4.
- Kelly, Tony L., et al. (See Forster, Albert O. and P. M., assignors.)
- Kelly, Walter J., and M. P. Burns, Fairfield, and A. Barr, Wylam, Ala. Recuperator. 1,782,430; Nov. 25.
- Kelly, William C., G. T. Price, D. Bruce, and G. L. Goeller, Charleston, W. Va., assignors to The American Fork & Hoe Company, Cleveland, Ohio. Display rack. 1,776,471; Sept. 23.
- Kelly, William H., Pittsburg, Kans. Hair clipper. 1,758,747; May 13.
- Kelly, William J., assignor of one-half to A. C. Basch, Brooklyn, N. Y. Making shoes. 1,780,650; Nov. 4.
- Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. J. Reciprocating bed motion for printing presses. 1,777,092; Sept. 30.
- Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. J. Printing press. 1,786,116; Dec. 23.
- Kelnhofer, Franz, Vienna, Austria. Last. 1,758,706; May 13.
- Kelsall, Albert H., San Diego, Calif. Hydrocarbon burner. 1,754,828; Apr. 15.
- Kelsea, Clarence H., Belmont, Mass., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Display stand. 1,771,126; July 22.
- Kelsey, Cadwallader W., Short Hills, N. J. Combustion motor. 1,778,156; Oct. 14.
- Kelsey-Hayes Wheel Corporation. (See Batie, Joseph E., assignor.)
- Kelsey-Hayes Wheel Corporation. (See Booth, William N., assignor.)
- Kelsey-Hayes Wheel Corporation. (See Jacobi, E. R., and Le Jeune, assignors.)
- Kelsey-Hayes Wheel Corporation. (See White, John W., assignor.)
- Kelsey, Theodore, Brooklyn, N. Y. Plant support. 1,758,839; May 13.
- Kelsey, William A., Minneapolis, Minn. Dental instrument. 1,783,654; Dec. 2.
- Kelso, Howard F., Houston, Tex. Water-closet bowl. 1,785,198; Dec. 16.
- Kelso, Ralph S., assignor to Free Sewing Machine Company, Rockford, Ill. Drive-chain tension adjuster. 1,767,371; June 24.
- Kelso, William. (See McConway, W., jr., and Kelso.)
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,746,656; Feb. 11.
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Uncoupling mechanism. 1,761,445; June 3.
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Uncoupling device. 1,779,321; Oct. 21.
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car-coupler mechanism. 1,783,655; Dec. 2.
- Kelso, William C., Rushville, assignor to W. J. Wilson and P. Wilson, Rush County, Ind. Milk-cooling device. 1,759,578; May 20.
- Kelty, Charles E., Milton, Mass. Limit switch. 1,784,672; Dec. 9.
- Kelvinator Corporation. (See Erbach, Frederick R., assignor.)
- Kelvinator Corporation. (See Freeman, Hadley F., assignor.)
- Kelvinator Corporation. (See Pope, Harold L., assignor.)
- Kelvinator Corporation. (See Replogle, John R., assignor.)
- Kelvinator Corporation. (See Sealey, Percy T., assignor.)
- Kelvinator Corporation. (See Spreen, Charles C., assignor.)
- Kemble, Thomas S., Lakewood, Ohio, assignor to Universal Gas Electric Company, Lawrence, Kans. Spring mounting for auto busses, trucks, etc. 1,744,168; Jan. 21.
- Kemlein, Richard, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Coupling device. 1,787,203; Dec. 30.
- Kemmer, Frank R., Larchmont, assignor to American Cyanamid Company, New York, N. Y. Refining zinc. 1,779,973; Oct. 28.
- Kemmerling, Arthur E., Wilkesburg, Pa. Predatory-bird decoy. 1,760,364; May 27.
- Kemnal, James, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Power-generating systems and operating the same. 1,751,004; Mar. 18.
- Kemnal, James, Chislehurst, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater. 1,770,208; July 8.
- Kemp, Archie R., Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Continuously-loaded telephone or telegraph cable. 1,745,680; Feb. 4.
- Kemp, Archie R., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Plastic composition. 1,753,746; Apr. 8.
- Kemp, Charles T., and N. E. Ryckman, assignors to The Coffield Washer Company of Canada Limited, Hamilton, Ontario, Canada. Liquid seal. 1,784,100; Dec. 9.
- Kemp, C. M., Mfg. Co., The. (See Kemp, William W., assignor.)
- Kemp, C. M., Manufacturing Company, The. (See Kemp, W. W., and Van Horn, assignors.)
- Kemp, Edward F., Somerville, Mass. Holder for confectionery. 1,786,392; Dec. 23.
- Kemp, John B., Ridgewood, N. J., assignor to Clark Loose Leaf Manufacturing Company. Pad holder. 1,781,782; Nov. 18.
- Kemp, John B., Ridgewood, N. J., assignor to Clark Loose Leaf Manufacturing Company. Pad holder. 1,781,783; Nov. 18.
- Kemp, Paul, Vienna, Austria. Bearing metal. 1,754,364; Apr. 15.
- Kemp, Vivian F., Brixton, London, England. Diaphragm support for personal wear. 1,764,209; June 17.
- Kemp, Walter J., Kokomo, Ind. Producing pure tomato juice. 1,746,657; Feb. 11.
- Kemp, William E., New York, N. Y. Charge-forming device. 1,780,019; Oct. 28.
- Kemp, William W., assignor to The C. M. Kemp Mfg. Co., Baltimore, Md. Muffle furnace and operating the same. 1,752,800; Apr. 1.
- Kemp, William W., and W. H. Van Horn, assignors to The C. M. Kemp Manufacturing Company, Baltimore, Md. Air and gas mixing device. 1,771,223; July 22.
- Kempf, Hubert, Barmen, Germany. Device for manufacturing artificial silk. 1,747,475; Feb. 18.
- Kemplen, August J., St. Paul, Minn. Toy balloon. 1,745,576; Feb. 4.
- Kempsmith Manufacturing Co., The. (See Goetz, J., and Radermacher, assignors.)
- Kempter, Philip, assignor to Geuder, Paeschke & Frey Company, Milwaukee, Wis. Cake cover. Des. 82,327; Oct. 21.
- Kempter, Philip, assignor to Geuder, Paeschke & Frey Company, Milwaukee, Wis. Combination bread and cake cover. Des. 82,561; Nov. 18.
- Kempton, Clarence W., Los Angeles, Calif. Rotary internal-combustion engine. 1,779,547; Oct. 28.
- Kempton, Edwin, East Orange, N. J. Solar bath. 1,772,219; Aug. 5.
- Kempton, Herbert E., Chicago, Ill., and K. F. Gallimore, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Switch. 1,751,204; Mar. 18.
- Kempton, Herbert E., and K. F. Gallimore, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Loading device for work holders. 1,778,601; Oct. 14.

- Kempton, Herbert E., Chicago, Ill., and K. F. Gallimore, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Headstock. 1,778,675; Oct. 14.
- Kempton, Herbert E., K. F. Gallimore, and R. M. Woytych, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Work holder. 1,756,124; Apr. 29.
- Kempton, Leslie A., Bridgeport, Conn., assignor to General Electric Company. Snap switch. 1,778,676; Oct. 14.
- Kendall, Burton W., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency signaling. 1,773,901; Aug. 26.
- Kendall, Edgar H., Alliance, Ohio. Bearing mounting. 1,778,391; Oct. 14.
- Kendall, Harry C., assignor to Rex Paper Company, Kalamazoo, Mich. Sorting machine. 1,760,068; May 27.
- Kendall, Ira H., assignor to The Kendall Patents, Inc., Potsdam, N. Y. Connected pipe system and making the same. 1,762,820; June 10.
- Kendall, Marvin R., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Bag. 1,785,126; Dec. 16.
- Kendall, Myron A., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Roller grizzly. 1,766,340; June 24.
- Kendall, Oliver O., assignor to E. B. Hiatt, Denver, Colo. Adjustable fastener for fruit baskets. 1,787,202; Dec. 30.
- Kendall Patents, Inc., The. (See Kendall, Ira H., assignor.)
- Kendall, Walter H., New York, N. Y. Folding chair. 1,749,486; Mar. 4.
- Kendall, William G., Newark, N. J. Compact-holding ring for vanity cases. 1,771,337; July 22.
- Kendall, William G., Newark, N. J. Vanity case and compact-holding ring. 1,773,624; Aug. 19.
- Kendall, William G., Newark, N. J. Vanity case. 1,778,638; Oct. 14.
- Kende, George, East Orange, N. J., assignor to Phonodisc Corporation, New York, N. Y. Sound-reproducing machine. 1,780,194; Nov. 4.
- Kendig, Julian H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. Re17,650; Apr. 22.
- Kendrick, Laurence W., Wellesley, assignor to The Carter's Ink Company, Cambridge, Mass. Box. 1,766,887; June 24.
- Kenerson, Stanley M., assignor to Standard Electric Time Company, Springfield, Mass. Annunciator. 1,745,623; Feb. 4.
- Kenerson, Stanley M., assignor to Standard Electric Time Company, Springfield, Mass. Electric switch. 1,773,583; Aug. 19.
- Kenerson, Stanley M., assignor to Standard Electric Time Company, Springfield, Mass. Wall-lamp attachment. 1,775,768; Sept. 16.
- Kenerson, Stanley M., assignor to Standard Electric Time Company, Springfield, Mass. Electric jack. 1,777,755; Oct. 7.
- Keney, Victor, New York, N. Y. Eyelashes for dolls. 1,763,930; June 17.
- Keney, Victor, New York, N. Y. Making toy figures. 1,783,720; Dec. 2.
- Keney, Victor, New York, N. Y. Artificial hair for dolls' heads. 1,783,721; Dec. 2.
- Kenigsberg, Alexander H., Chicago, Ill. Bunker. 1,742,709; Jan. 7.
- Kenkyujo, Zaidan H. R. (See Doi, Uzumi, assignor.)
- Kennebeck, Joseph J., Kansas City, Mo. Optical instrument. 1,769,295; July 1.
- Kennedy, Albert H., Grove City, assignor to A. F. Lind, Kittanning, Pa. Combined table and ironing board. 1,784,449; Dec. 9.
- Kennedy, Allan C., Kelso, Wash. Sawdust burner. 1,767,138; June 24.
- Kennedy, Aubrey M., Los Angeles, Calif. Sound-reproducing mechanism for radios. 1,780,788; Nov. 4.
- Kennedy, Benjamin H. (See Kennedy, Dewey M. and B. H.)
- Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Condenser induction motor. 1,780,395; Nov. 4.
- Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Induction motor. 1,780,881; Nov. 4.
- Kennedy, Charles F., assignor to H. E. Verran, Stamford, Conn. Method and apparatus for stenciling on cloth. 1,786,347; Dec. 23.
- Kennedy, Clement E., Swampscott, and E. E. Sanborn, Lynn, Mass. Bottle-opening device. 1,750,759; Mar. 18.
- Kennedy, David, London, England. Display sign. 1,743,017; Jan. 7.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting machine. 1,771,962; July 29.
- Kennedy, Dewey M. and B. H., Rochester, N. Y. Bath cabinet. 1,767,800; June 24.
- Kennedy, Dowsley. (See McMillan, L., and Kennedy.)
- Kennedy, Edward, New York, N. Y. Connecting T for drainage fittings. 1,747,514; Feb. 18.
- Kennedy, Edward, New York, assignor to The Kennedy-Steiner Corporation, Bronx County, N. Y. Combined test T and expansion fitting for drainage and soil pipes. 1,784,238; Dec. 9.
- Kennedy, Edward J., Brooklyn, N. Y. Fare box. 1,770,274; July 8.
- Kennedy, Edwin E., North Olmsted, Ohio. Adjusting the rails of conveyers relative to the chains thereof. 1,785,315; Dec. 16.
- Kennedy, Frank W., assignor to De Laval Steam Turbine Company, Trenton, N. J. Oiling system for gears. 1,749,977; Mar. 4.
- Kennedy, Homer C., St. Louis, Mo. Lock. 1,778,294; Oct. 14.
- Kennedy, Hugh M., Montreal, Quebec, Canada, assignor to The Robert Mitchell Company Limited, Montreal, Canada. Mail chute. 1,769,346; July 1.
- Kennedy, James P., Brooklyn, N. Y. Radiocalendar. 1,760,069; May 27.
- Kennedy, John E., Los Angeles, Calif. Pressure gauge for pneumatic tires. 1,761,130; June 3.
- Kennedy, John J. (See Dake, C. W., and Kennedy.)
- Kennedy, John J., Pomeroy, Pa., assignor to Bethlehem Steel Company. Welding-roll screw down. 1,753,241; Apr. 8.
- Kennedy, Joseph E., New York, N. Y. Soundproof ball mill. 1,748,039; Feb. 18.
- Kennedy, Joseph E., New York, N. Y. Crusher. 1,748,484; Feb. 25.
- Kennedy, Joseph E., New York, N. Y. Gyratory crusher. 1,754,895; Apr. 15.
- Kennedy, Joseph E., New York, N. Y. Feeding device for materials. 1,761,335; Mar. 18.
- Kennedy, Joseph E., New York, N. Y. Feeding device for materials. 1,764,108; June 17.
- Kennedy, Julian, Pittsburgh, Pa. Rolling mill. 1,759,262; May 20.
- Kennedy, Julian, Pittsburgh, Pa. Apparatus for rolling sheets. 1,786,162; Dec. 23.
- Kennedy, Luke F., Schenectady, N. Y., assignor to General Electric Company. Synchronizing device. 1,755,064; Apr. 15.
- Kennedy, Luke F., Philadelphia, Pa., assignor to General Electric Company. Protective arrangement. 1,787,277; Dec. 30.
- Kennedy Manufacturing Company. (See Shriver, Harry P., assignor.)
- Kennedy, Richard O., and L. P. Madsen, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Fold-over collar. 1,742,816; Jan. 7.
- Kennedy-Steiner Corporation, The. (See Kennedy, Edward, assignor.)
- Kennedy, Walter C., Llanerch, Upper Darby, Pa., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 1,750,892; Mar. 18.
- Kennedy, W. D. (See Aron, William P., assignor.)
- Kennedy, William, & Sons Ltd., The. (See McMillan, L., and Kennedy, assignors.)
- Kennedy, William A., Oak Park, Ill. Rail anchor. 1,782,170; Nov. 18.
- Kennedy, Charles B., University City, Mo., assignor to The Kennedye Corporation, Wilmington, Del. Well-drilling tool. 1,786,413; Dec. 23.
- Kennedy, Charles B., University City, Mo., assignor to The Kennedye Corporation, Wilmington, Del. Rotary well-drilling tool. 1,786,414; Dec. 23.
- Kennedy, Charles B., University City, Mo., assignor to The Kennedye Corporation, Wilmington, Del. Well-drilling tool. 1,786,415; Dec. 23.
- Kennedy Corporation, The. (See Hollestelle, Jan H., assignor.)
- Kennedy Corporation, The. (See Kennedye, Charles B., assignor.)
- Kennel, Fritz, assignor to the Firm of Nollescre Werke-Komm.-Ges., Weissenfels O. S., Germany. Lasting machine. 1,785,555; Dec. 16.
- Kennell, Harry. (See Robinson, A. P., and Kennell.)
- Kenner, Duncan, deceased, New Orleans, La.; E. T. Kenner, surviving widow. Fastener tensioning and tying device. 1,772,811; Aug. 12.
- Kenner, Duncan, deceased, New Orleans, La., by court order, Mrs. E. T. Kenner sole heir and legatee. Mop head. 1,783,795; Dec. 2.
- Kenner, Duncan, deceased, New Orleans, La.; by court order, Mrs. E. T. Kenner sole heir and legatee. Mop wringer and holder. 1,783,879; Dec. 2.
- Kenner, Emma T. (See Kenner, Duncan.)
- Kenner, Mrs. Emma T., sole heir and legatee. (See Kenner, Duncan.)
- Kenneth Cotton Mills. (See Clark, James R., assignor.)
- Kenney, Carl L. (See Llewellyn, L., and Kenney.)
- Kenney, Francis L. M., Los Angeles, Calif. Filter device. 1,749,730; Mar. 4.
- Kenney, John J., Pittsburgh, Pa. Attachment for golf clubs. 1,759,622; May 20.
- Kenney, John J., Pittsburgh, Pa. Thermostat. 1,786,852; Dec. 30.
- Kenney Manufacturing Company. (See Kenney, William C., assignor.)
- Kenney Manufacturing Company. (See Smith, Walter E., assignor.)
- Kenney, Mary A. (See Gibbons, Richard, assignor.)
- Kenney, Raymond C., Lansing, Mich. Child's teeter or merry-go-round. 1,746,260; Feb. 11.
- Kenney, William C., assignor to Kenney Manufacturing Company, Cranston, R. I. Curtain fixture. 1,743,608; Jan. 14.

- Kennedy, William J., Chicago, Ill. Combined filter and upflow water softener. Re17,621; Mar. 11.
- Kenny, Elizabeth, Sydney, New South Wales, Australia. Transport stretcher. 1,764,568; June 17.
- Kensington Steel Company. (See Bauer, Eugene C., assignor.)
- Kensington Steel Company. (See McKee, W. S., and Bruer, assignors.)
- Kent, Arthur A., Ardmore, Pa. Cabinet for radio receiving apparatus. Des. 82,206; Sept. 30.
- Kent, Arthur A., Ardmore, Pa. Cabinet for radio receiving apparatus. Des. 82,207; Sept. 30.
- Kent, Arthur A., Ardmore, Pa. Radio loud-speaking apparatus. 1,743,145; Jan. 14.
- Kent, Arthur A., Ardmore, Pa. Loud-speaker mounting. 1,757,719; May 6.
- Kent, Arthur A., Ardmore, Pa. Ignition-timing apparatus. 1,760,145; May 27.
- Kent, Arthur A., Ardmore, Pa. Receiving system. 1,775,399; Sept. 9.
- Kent, Arthur A., Ardmore, Pa. Radio receiving apparatus. 1,783,292; Dec. 2.
- Kent, Frank J. (See McAvoy, Francis J., assignor.)
- Kent, Frank J., Montclair, N. J., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,768,608; July 1.
- Kent, Frederick T., East Orange, N. J. Player piano. 1,754,391; Apr. 15.
- Kent, George C., Turtle Creek, and R. Siegfried, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Gear. 1,764,409; June 17.
- Kent, George P., Grove Park, London, England. Device for carrying maps. 1,752,910; Apr. 1.
- Kent, James W., Brooklyn, N. Y. Roller mill. 1,767,591; June 24.
- Kent, Philip J., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vaporizing device for engines. 1,748,717; Feb. 25.
- Kent, Walter G., and E. W. Hovenden, deceased, Luton, by J. R. Hovenden, London, and A. H. Hovenden, Bedford, England, executors, assignors to Builders Iron Foundry, Providence, R. I. Apparatus for measuring the flow of liquids. 1,783,880; Dec. 2.
- Kent, William J., Brooklyn, N. Y., assignor to The Mechanical Rubber Company, Chicago, Ill. Trimming machine. 1,777,313; Oct. 7.
- Kent, Willys P., New York, N. Y. Teaching attachment for phonographs. 1,784,489; Dec. 9.
- Kenton, Edwin C., Great Neck, assignor to H. R. Mallinson & Co., Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 81,540; July 8.
- Ken Wel Sporting Goods Co. (See Dieterle, Frank, assignor.)
- Kenworthy, Byron R., Philadelphia, Pa. Light-beam-testing device. 1,779,404; Oct. 21.
- Kenyon, Arthur E., Newark, N. J. Wax-applying tool. 1,767,079; June 24.
- Kenyon, Bertram C., Orlando, Fla., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Disk record holder. 1,772,901; Aug. 12.
- Kenyon, Charles F., assignor to Columbia Narrow Fabric Company, Shannock, R. I. Tensioning device for elastic threads. 1,781,817; Nov. 18.
- Kenyon, Earl, assignor to The Long-Bell Lumber Company, Kansas City, Mo. Door and the like. 1,770,702; July 15.
- Kenyon, Oades J., assignor to Instant Ice Corporation, Santa Barbara, Calif. Packing box of refrigerating apparatus. 1,777,495; Oct. 7.
- Kenyon, Reid L. (See Nead, J. H., Kenyon, and Rust.)
- Kenyon, Sherman S. (See Walker, P. H., and Kenyon.)
- Keplinger, Charles W., receiver. (See Lewis, Joseph C., assignor.)
- Keplinger, George B., assignor to J. H. McElroy, Chicago, Ill. Automatic reservoir double boiler. 1,746,261; Feb. 11.
- Keplinger, Robert B., Canton, Ohio, and P. A. Kanengeiser, Bessemer, Pa., assignors to The Metropolitan Paving Brick Company, Canton, Ohio. Clay texturing and coloring apparatus. 1,761,631; June 3.
- Kepple, John C., Indianapolis, Ind. Supporting structure for concrete construction. 1,750,760; Mar. 18.
- Keppler, Albert E., Philadelphia, Pa., assignor to Brown & Bailey Company. Packing and display box. 1,755,693; Apr. 22.
- Keppler, Albert E., Philadelphia, Pa., assignor to Brown & Bailey Company. Packing and display box. 1,755,694; Apr. 22.
- Keramische Industrie-Bedarfs Aktiengesellschaft. (See Schaefer, W., and Pohl, assignors.)
- Kerber, Joseph H., West Allis, assignor to Hi-Way Service Corporation, Milwaukee, Wis. Material-handling apparatus. 1,784,144; Dec. 9.
- Kercher, Arthur J., Berkeley, Calif. Refrigerating apparatus. 1,744,969; Jan. 28.
- Kercher, Arthur J., Berkeley, Calif. Control switch. 1,757,314; May 6.
- Kercher, Arthur J., Berkeley, assignor to Wesix National Company, San Francisco, Calif. Circuit controller. 1,754,561; Apr. 15.
- Kercher, Arthur J., Berkeley, and W. W. Hicks, assignors to Wesix National Company, San Francisco, Calif. Hot plate. 1,757,315; May 6.
- Kerekes, Joseph, Detroit, Mich. Burglar signal alarm for safes. 1,776,121; Sept. 16.
- Kergel, Hermann, Dresden, assignor to the firm of Sachsenwerk, Licht- und Kraft-Aktiengesellschaft, Niedersiedlitz, near Dresden, Germany. Multipolar oil-break switch. 1,768,961; July 1.
- Kerkhoff, Frank A. (See Terrell, H. C., and Kerkhoff.)
- Kerkhoff, Joseph, assignor to F. L. Torrey & Company, Attleboro, Mass. Insignia attachment. 1,764,175; June 17.
- Kerkhoff, Theodor, Hamburg, Germany. Form for neckties. 1,746,534; Feb. 11.
- Kerler, Ernest A. (See Coddington, E. D., Kerler, Black, and Owen.)
- Kerley, Raymond A., assignor to Claybourn Process Corporation, Milwaukee, Wis. Drying freshly-printed sheets and apparatus therefor. 1,743,921; Jan. 14.
- Kerlin, James R., Los Angeles, Calif. Bending machine. 1,754,470; Apr. 15.
- Kerlow Steel Floor Company. (See Bunker, Herbert H., assignor.)
- Kerlow Steel Floor Company. (See Secor, Frank B., assignor.)
- Kermis, Andrew A., assignor to Kermis Tent & Awning Co., Rochester, N. Y. Funeral furniture. 1,758,116; May 13.
- Kermis Tent & Awning Co. (See Kermis, Andrew A., assignor.)
- Kermode, George N. (See Heap, W., Read, Barnes, and Kermode.)
- Kern, Erwin, Wettingen, near Baden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Vapor rectifier. 1,748,133; Feb. 25.
- Kern, Fred T., Milwaukee, Wis. Hoist mechanism. 1,744,970; Jan. 28.
- Kern, Fred T., Milwaukee, Wis. Hoist mechanism. 1,767,683; June 24.
- Kern, Jean G., and C. J. Sala, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat assistant for use in dyeing. 1,782,122; Nov. 18.
- Kern, John B., Montclair, N. J. Guard for spectacles and eyeglasses. 1,784,013; Dec. 9.
- Kern, Leo, Villingen, assignor to Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen A. N., Schwenningen-on-the-Neckar, Germany. Fare indicator. 1,768,073; June 24.
- Kern, Werner R. (See Wyss, A. U., and Kern.)
- Kerner Incinerator Company. (See Kummer, Frederick C., assignor.)
- Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,829; Dec. 16.
- Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,830; Dec. 16.
- Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,831; Dec. 16.
- Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,832; Dec. 16.
- Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,833; Dec. 16.
- Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,834; Dec. 16.
- Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,835; Dec. 16.
- Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 82,836; Dec. 16.
- Kernin, Alfred G., assignor to Mosinee Paper Mills Company, Mosinee, Wis. Water heater. 1,750,475; Mar. 11.
- Kerns, Adolf, Gonzales, Calif. Harvesting machine. 1,768,324; June 24.
- Kerns, Leander G., Yelm, Wash. Fruit picker. 1,775,562; Sept. 9.
- Kerotest Manufacturing Company. (See Bissell, Robert W., assignor.)
- Kerouanton, Pierre, Marieval, Saskatchewan, Canada. Automatic needle-valve closer. 1,751,041; Mar. 18.
- Kerr, Cornelius W., Georgetown, Ky. Stone distributor. 1,755,120; Apr. 15.
- Kerr, Franklin H., Toledo, Ohio. Agricultural tool. 1,782,690; Nov. 25.
- Kerr, Harold H. (See O'Connell, J., and Kerr.)
- Kerr, Harry E., assignor to The Cleveland Gas Burner & Appliance Company, Cleveland, Ohio. Gas burner. 1,761,566; June 3.
- Kerr, Harry E., assignor to The Barber Gas Burner Company, Cleveland, Ohio. Gas burner. 1,781,784; Nov. 18.
- Kerr, Harry E., assignor to The Barber Gas Burner Company, Cleveland, Ohio. Gas burner. 1,781,785; Nov. 18.
- Kerr, Howard J., El Mora, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater. 1,747,011; Feb. 11.
- Kerr, Howard J., El Mora, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,779,941; Oct. 28.
- Kerr, Howard J., Westfield, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace and operating the same. 1,747,676; Feb. 18.
- Kerr, Howard J., Westfield, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace. 1,756,755; Apr. 29.

- Kerr, Howard J., Westfield, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace wall. 1,761,567; June 3.
- Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,770,703; July 15.
- Kerr, Howard J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Method and apparatus for measuring the concentration of solids in liquids. 1,773,735; Aug. 26.
- Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,780,619; Nov. 4.
- Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Slag screen and wall-cooling means. 1,785,350; Dec. 16.
- Kerr, John M., assignor to Bay City Shovels, Inc., Bay City, Mich. Tensioning device. 1,767,531; June 24.
- Kerr, Richard W. (See Gaskill, William R., assignor.)
- Kerr, Robert M., Titusville, Pa. Machine for filling containers with frozen confections. 1,773,683; Aug. 19.
- Kerr, Robert M., assignor to Detroit Dental Manufacturing Company, Detroit, Mich. Mixing bowl. 1,753,121; Apr. 1.
- Kerr, William E., Des Moines, Iowa. Laundry appliance. 1,755,508; Apr. 22.
- Kerrigan, Philip P., Fortress Monroe, Va. Combined pipe-cutting and bur-removing tool. 1,758,521; May 13.
- Kerruish, Edward P., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearings. 1,759,906; May 27.
- Kerruish, Edward P., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Tool for scarfing the interior of tubing. 1,785,905; Dec. 23.
- Kerschner, Richard M., Pittsburgh, Pa., assignor to Hubbard & Company. Pin-type insulator. 1,743,552; Jan. 14.
- Kersey, Francis E., Lebanon, Ind. Muffler. 1,747,014; Feb. 11.
- Kershaw, Arthur G. (See Childe, L. B., and Kershaw.)
- Kershaw, Arthur G., Kings Cross, London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Power-operated propelling ram for railway or tramway systems. 1,743,782; Jan. 14.
- Kershaw, Chester C., St. Paul, and H. L. Solie, Minneapolis, Minn. Conserving heat in milk driers. 1,776,030; Sept. 16.
- Kershaw, Henry, Jersey City, N. J. Ash tray. Des. 82,033; Sept. 16.
- Kershaw, John T., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in making heels. 1,760,146; May 27.
- Kershaw, John T., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making covered heels. 1,760,147; May 27.
- Kershaw, William E., Gwynedd Valley, Pa. Charge cut-off for storage batteries. 1,758,522; May 13.
- Kersten, Jacob, assignor to Kersten Radio Equipment Inc., Kalamazoo, Mich. Sectional form. 1,761,568; June 3.
- Kersten Radio Equipment Inc. (See Kersten, Jacob, assignor.)
- Kersten, Samuel, Chicago, Ill. Faucet handle. Des. 81,314; June 3.
- Kersting, Albert H., Los Angeles, Calif. Sash balance. 1,762,821; June 10.
- Kersting, Bernard H., Ben Avon, assignor to The Dravo Contracting Company, Pittsburgh, Pa. Rail clamp for traveling bridges. 1,764,797; June 17.
- Kertesz, Charles J., Seattle, Wash. Spark-plug-testing device. 1,774,145; Aug. 26.
- Kertész, Frank, Pottstown, Pa. Aeroplane. 1,772,396; Aug. 5.
- Kertz, James J., assignor to National Wiring & Protective Co. Inc., Brooklyn, N. Y. Burglar-alarm system. 1,758,523; May 13.
- Kesling, Elmer G., Bloomfield, Mo. Speed-changing mechanism. 1,773,902; Aug. 26.
- Kesling, Elmer G., Bloomfield, N. J. Speed-changing mechanism. 1,773,903; Aug. 26.
- Kesling, Elmer G., Bloomfield, Mo. Speed-changing mechanism. 1,785,776; Dec. 23.
- Kesling, Samuel F. (See Halvorsen, O., and Kiesling.)
- Kesner, Herman. (See Kushlin, W., Kesner, and Oltsik.)
- Kessel, Johannes B., Chicago, Ill. Mixing device for carburetors. Re17,869; Nov. 11.
- Kesseler, Forrest A., Houston, Tex., assignor to Houston Specialty Corporation, Houston, Tex. Compositor's stick. 1,769,347; July 1.
- Kesselring, Fritz, Furth, Germany. Lamp shade. 1,755,737; Apr. 22.
- Kesselring, Fritz, Hermsdorf, near Berlin, assignor to Dr. Paul Meyer A. G., Berlin, Germany. Selective relay. 1,759,792; May 20.
- Kesses, Charles, New York, N. Y. Parachute for aeroplanes. 1,762,396; June 10.
- Kessler, Albert, Mittweida, Germany. Fabric with interwoven metal wire. 1,765,795; June 24.
- Kessler, Frank, C. R. Woodland, and J. C. McCrindle, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Kansas City, Mo. Mounting arrangement. 1,771,088; July 22.
- Kessler, Harry A., Buffalo, N. Y., assignor to Kalman Steel Company, Inc., Chicago, Ill. Production of expanded load-bearing members. 1,747,138; Feb. 11.
- Kessler, Johann, et al. (See Kugler, Heinrich, assignor.)
- Kessler, Louis, Chicago, Ill. Burner for noxious gases. 1,775,565; Sept. 9.
- Kessler, William L., Chicago, Ill. Bathing suit. 1,771,046; July 22.
- Kestell, Thomas A. (See Woodcock, R. B., and Kestell.)
- Ketcham & McDougall, Inc. (See Harris, William W., assignor.)
- Ketchey, John F., Dallas, Tex. Mixing blade. 1,746,481; Feb. 11.
- Ketchpel, Paul A., and N. M. Lower, Pittsburgh, Pa., said Ketchpel assignor to said Lower. Hydraulic brake for motor vehicles. 1,775,105; Sept. 9.
- Ketchum, A. A. (See McNeil, Elsie L., assignor.)
- Ketchum, Albert D., sr., Chicago, Ill. Railroad crossing. 1,774,380; Aug. 26.
- Ketner, Cletus J. (See Fisher, C. A., and Ketner.)
- Kettelkamp, Enoch G., Kansas City, Mo. Adjustable splint. 1,768,770; July 1.
- Kettering, Charles F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Container for removing carbon. 1,783,921; Dec. 2.
- Kettering, Charles F., Dayton, Ohio, and C. R. Short, Detroit, Mich., assignors to General Motors Research Corporation, Dayton, Ohio. Drive-shaft connection for motor-driven vehicles. 1,760,845; May 27.
- Kettleborough, Harry J., assignor to H. D. Conkey & Company, Mendota, Ill. Bird cage. Des. 81,289; June 3.
- Kettler, Martin F., Houston, Tex. Well screen. 1,780,882; Nov. 4.
- Kettmann, Andrew P., and I. W. Anderson, San Jose, Calif. Ladder. 1,780,263; Nov. 4.
- Keun, Herman L., Chicago, Ill. Centrifugal pump. 1,757,670; May 6.
- Keune, William H., Carlinville, Ill. Washboard shield. 1,771,441; July 29.
- Kewanee Boiler Corporation. (See Bronson, C. E., and Dickson, assignors.)
- Kewanee Boiler Company. (See Dickson, J. F., and Turner, assignors.)
- Key Boiler Equipment Co. (See Key, Frederick E., assignor.)
- Key, Claude L., assignor to Key Weeder Company, Milton, Oreg. Weeder unit. 1,775,243; Sept. 9.
- Key, Claude L., assignor to Key Weeder Company, Milton, Oreg. Automatic resetting mechanism for weeder. 1,775,244; Sept. 9.
- Key, Claude L., assignor to Key Weeder Company, Milton, Oreg. Dumping means for weeders. 1,775,245; Sept. 9.
- Key, Frederick E., assignor to Key Boiler Equipment Co., East St. Louis, Ill. Jigging and assembling return-bend fittings. 1,746,535; Feb. 11.
- Key, John R. (See Mahoney, O. P., and Key.)
- Key Weeder Company. (See Key, Claude L., assignor.)
- Keybolt Appliance Co. (See Peters, Robert H., assignor.)
- Keyes Fibre Company. (See Parsons, W. E., and Boody, assignors.)
- Keyes, Frederick G., Cambridge, Mass., assignor, by mesne assignments, to Frigidaire Corporation. Gas or fluid storing material. 1,770,526; July 15.
- Keys, Walter C., Detroit, Mich., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Brake. 1,773,584; Aug. 19.
- Keys, Walter C., Detroit, Mich., and A. J. Brown, Lakewood, assignors to The Mechanical Rubber Company, Cleveland, Ohio. Automobile floor. 1,776,510; Sept. 23.
- Keys, William A., New York, N. Y. Necktie. 1,746,837; Feb. 11.
- Keyser, Johann J., Aarau, Switzerland. Spinning and twisting machine. 1,765,236; June 17.
- Keyser, Johann J., Aarau, Switzerland. Reversing gear. 1,767,290; June 24.
- Keyser, Johann J., Aarau, Switzerland. Spinning and twisting machine. 1,781,584; Nov. 11.
- Keyser, Johann J., Aarau, Switzerland. Spinning and twisting machine. 1,786,348; Dec. 23.
- Keystone Aircraft Corporation. (See Daland, Elliot, assignor.)
- Keystone Aircraft Corporation. (See Koch, Charles D., assignor.)
- Keystone Driller Company. (See Downie, Robert R., assignor.)
- Keystone Driller Company. (See Hazen, Earl A., assignor.)
- Keystone Lantern Company. (See Davis, Nathan H., assignor.)
- Keystone Manufacturing Co. (See Blackburn, Charles A., assignor.)
- Keystone Mfg. Co., The. (See Halst, Foster A., assignor.)
- Keystone Refrigerating Corporation. (See Nielsen, Holger, assignor.)
- Keystone Stamping Corporation. (See Conchar, Belden L., assignor.)
- Keystone Steel & Wire Company. (See Bailey, Charles F., assignor.)
- Keystone Steel & Wire Company. (See Hume, William G., assignor.)
- Keystone Watch Case Corporation. (See Davis, Alex B., assignor.)
- Khalil, Seyid, Newark, N. J. Coin holding and delivering device. 1,746,398; Feb. 11.

- Kharasch, Morris S., Riverdale, Md. Marking process and material and producing said marking material. 1,761,347; June 3.
- Kharasch, Morris S., College Park, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Seed disinfectant. 1,770,886; July 15.
- Kharasch, Morris S., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Seed disinfectant. 1,770,887; July 15.
- Khetah Corporation et al. (See Sartakoff, Jack D., assignor.)
- Khoury, Amin M. (See Lavigne, Michael A. S., assignor.)
- Khoury, Harry E. (See Menzer, J. G., and Khoury.)
- Khoury Warp Stop Motion, Inc. (See Menzer, J. B., and Khoury, assignors.)
- Khun, Albert M., Elizabeth, N. J. Plumbing fixture. 1,763,466; June 10.
- Khun, Albert M., Elizabeth, N. J. Plumbing fixture. 1,765,678; June 17.
- Kibblewhite, Curtis, assignor to Callender's Cable & Construction Company, Limited, London England. Electric protective arrangement. 1,747,247; Feb. 18.
- Kibby, Enoch B., Youngstown, Ohio. Making pipe tongs. 1,765,838; June 24.
- Kibele, Eugene, deceased; E. K. Schroeder, executrix, San Antonio, Tex. Pressure-packed pump piston. 1,773,363; Aug. 19.
- Kibele, Otto B., Wilmington, Calif. Direct-action thermostatic feed-water control. 1,756,125; Apr. 29.
- Kibele, Otto B., Wilmington, Calif. Boiler-feed-water control. 1,777,645; Oct. 7.
- Kicherer, Harry J., and R. B. Niles, Minneapolis, assignors to Marquette Manufacturing Company, St. Paul, Minn. Automobile frame straightener. 1,764,840; June 17.
- Kichline, Frank O., Lebanon, Pa., assignor to Bethlehem Steel Company. Manufacture of low-carbon chrome steel. 1,785,199; Dec. 16.
- Kidd, Etta D., Pelham Manor, assignor to Etta, Inc., New York, N. Y. Display head. Des. 81,244; May 27.
- Kidd, James A., Petersburg, Va. Aeroplane-wing heater. 1,753,433; Apr. 8.
- Kidd, Samuel L., Listowel, Ontario, Canada. Cultivator. 1,759,854; May 27.
- Kidde, Walter, & Company. (See Freygang, Walter H., assignor.)
- Kidde, Walter, & Company. (See Hiss, George C., assignor.)
- Kidde, Walter, & Company. (See Mapes, Daniel, assignor.)
- Kidde, Walter, & Company. (See Minor, Henry R., assignor.)
- Kidder, Elwin H., assignor to Link-Belt Company, Chicago, Ill. Car dump. 1,768,847; July 1.
- Kidder, Elwin H., assignor to Link-Belt Company, Chicago, Ill. Rotary car dumper. 1,768,848; July 1.
- Kidder, Elwin H., assignor to Link-Belt Company, Chicago, Ill. Car dumper. 1,768,849; July 1.
- Kidder, Elwin H., assignor to Link-Belt Company, Chicago, Ill. Rotary car dumper. 1,770,275; July 8.
- Kiddie-Rhester Co., The. (See Stoddard, Beatrice M.)
- Kidwell, Cleo H., Dongan Hills, N. Y., assignor to Kidwell & Company, Inc. Process and solution for the treatment of silk. 1,777,203; Sept. 30.
- Kidwell & Company. (See Kidwell, Cleo H., assignor.)
- Kidwell, David A., Ima, N. Mex. Feed binder. 1,774,891; Sept. 2.
- Kiedrowski, John A., Chicago, Ill. Fountain pen. 1,783,090; Nov. 25.
- Kiefer, Edwin F., Cleveland, Ohio, assignor to National Carbon Company, Inc. Electrically-conductive article. 1,774,381; Aug. 26.
- Kiefer, Karl, Cincinnati, Ohio. Filling machine. 1,742,546; Jan. 7.
- Kiefer, Karl, Cincinnati, Ohio. Filling machine. 1,763,240; June 10.
- Kiefer, Karl, Cincinnati, Ohio. Exercising apparatus. 1,782,728; Nov. 25.
- Kiefer, Kenneth H., Bridgeport, Conn. Luminous indicating device. 1,745,624; Feb. 4.
- Kiefer, Raymond A., Sellersville, Pa. Microphone. 1,767,242; June 24.
- Kiefer, William F., Evansville, Ind., assignor of one-half to M. L. Reichert, Vanderburgh county, Ind. Illuminated number sign. 1,781,585; Nov. 11.
- Kiefer, William R., assignor to The Sundstrand Engineering Co., Rockford, Ill. Oil burner. 1,762,555; June 10.
- Kiefer, William R., assignor to The Sundstrand Engineering Co., Rockford, Ill. Oil burner. 1,777,524; Oct. 7.
- Kieffer, John E., assignor to Kieffer Paper Mills, Ewing, Ind. Shock-absorbing cushioning paper and making same. 1,780,526; Nov. 4.
- Kieffer Paper Mills. (See Kieffer, John E., assignor.)
- Kiehlbauch, Henry E., Tyndall, S. Dak. Wheel-hub protector. 1,785,127; Dec. 16.
- Kiehne, Erich, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron-tube arrangement for high-frequency communication. 1,746,430; Feb. 11.
- Kiel, Francis, & Son, Inc. (See Holtzman, John, assignor.)
- Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Gas heater. Des. 82,891; Dec. 23.
- Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Radiant gas heater. Des. 82,892; Dec. 23.
- Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container. 1,751,926; Mar. 25.
- Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container. 1,751,927; Mar. 25.
- Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Roofing roll. 1,781,016; Nov. 11.
- Kielsgard, Miller S. (See Kohler, Robert L., assignor.)
- Kielsmeier, Reuben, Baldwin Park, Calif. Water fountain. 1,753,122; Apr. 1.
- Kienle, Roy H., Schenectady, N. Y., assignor to General Electric Company. Enameling wire. 1,747,940; Feb. 18.
- Kienle, Roy H., and L. V. Adams, Schenectady, N. Y., assignors to General Electric Company. Coating composition. 1,783,364; Dec. 2.
- Kienzle Uhrenfabriken A. G. (See Heckert, Fritz, assignor.)
- Kienzle Uhrenfabriken Aktiengesellschaft. (See Gehlen, Karl, assignor.)
- Kienzle Uhrenfabriken Aktiengesellschaft. (See Riegger, Paul, assignor.)
- Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen A. N. (See Kern, Leo, assignor.)
- Kiernan, Charles. (See Coburn, W. H., and Kiernan.)
- Kiernan, John E., Brooklyn, N. Y. Moving-picture screen. Des. 82,377; Oct. 28.
- Kiernan, John E., Brooklyn, N. Y. Loud-speaker. 1,756,201; Apr. 29.
- Kiernan, William P., East Orange, N. J., assignor to Westinghouse Lamp Company. Zirconium and preparation thereof. 1,760,413; May 27.
- Kiesel, Bernhard F., assignor to F. L. McLaughlin Company, Detroit, Mich. Nut. 1,753,791; Apr. 8.
- Kiesel, William F., jr., Hollidaysburg, Pa. Car truck. 1,747,871; Feb. 18.
- Kiesel, William F., jr., Altoona, Pa. Smoke box and stack. 1,749,487; Mar. 4.
- Kiesel, William F., jr., Altoona, Pa. Throttle valve. 1,775,961; Sept. 16.
- Kiesel, William F., jr., Altoona, Pa. Smoke-arch seal. 1,781,849; Nov. 18.
- Kiesel, William F., jr., Altoona, Pa. Locomotive. 1,785,485; Dec. 16.
- Kiesling, Samuel F. (See Halvorsen, O., and Kiesling.)
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread trimmer for sewing machines. 1,743,356; Jan. 14.
- Kiewicz, John, assignor to The Reece Button Mole Machine Company, Boston, Mass. Sewing machine. 1,770,855; July 15.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread trimmer for sewing machines. 1,771,047; July 22.
- Kijlstra, Egbert B., Bithoven, Netherlands, assignor to the firm Waggonfabrik Akt.-Ges., Uerdingen-on-the-Rhine, Germany. Wheel frame for rail vehicles. 1,772,928; Aug. 12.
- Kikuchi, Yukio, Montclair, N. J. Gear transmission. 1,768,850; July 1.
- Kilberg, Frank, Detroit, Mich. Weather strip. 1,769,581; July 1.
- Kilberry, George D., Downingtown, Pa., assignor, by mesne assignments, to Beloit Iron Works, Beloit, Wis. Four-drainer machine. 1,743,970; Jan. 14.
- Kilborn, Holloway, New Haven, Conn. Traffic marker. 1,771,892; July 29.
- Kilbride, John J., Scotch Plains, N. J. Window-cleaning device. 1,755,881; Apr. 22.
- Kilburn, Karl, Boston, and T. H. Seely, Melrose, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe support. 1,762,720; June 10.
- Kilchling, Karl, Freiburg-im-Breisgau, Germany. Torsion balance for gravitational measurements. 1,774,516; Sept. 2.
- Kildare, Joseph. (See Yarnall, D. R., and Kildare.)
- Kilgen, George, & Son, Inc. (See Hess, Max, assignor.)
- Kilgen, George, & Son, Inc. (See Hess, M., and Boehm, assignors.)
- Kilgore, Amos K., Dallas, Tex. Newspaper-display rack. 1,746,778; Feb. 11.
- Kilgore, Martin H., Beaumont, Tex. Deep-well pump. 1,785,834; Dec. 23.
- Kilgore, Rabern E. (See Reeves, Delbert M., assignor.)
- Kilgour, Charles E. (See Bussard, E. J. H., and Kilgour.)
- Kilian, Frederick K., Syracuse, N. Y. Antifriction roller. 1,782,622; Nov. 25.
- Killan, Fritz, Berlin-Lichtenberg, Germany. Apparatus for pressing pulverulent substances into boxes. 1,757,370; May 6.
- Kilkenny, John E., Portland, Oreg. Socket and handle. 1,769,435; July 1.
- Kill, Vincent P., Lawton, Okla., assignor of one-half to C. Oelberg, Kirby, Ohio. Water circulator. 1,743,971; Jan. 14.
- Killander, Axel, Chicago, Ill. Removable overflow drain. 1,779,255; Oct. 21.
- Killeen, Joseph S., New York, N. Y. Aeroplane propeller. 1,744,905; Jan. 28.

- Killen, Dan. Milwaukee, Wis. Vacuum fruit-jar cover. 1,773,311; Aug. 19.
- Killian, Albert T., Philadelphia, Pa. Roller bearing. 1,773,461; Aug. 19.
- Killian, Albert T., Upper Darby, assignor to Killian Roller Bearing Company, Philadelphia, Pa. Roller bearing. 1,757,199; May 6.
- Killian Roller Bearing Company. (See Killian, Albert T., assignor.)
- Killick, Reginald, assignor to The K. & S. Syndicate Limited, London, England. Color-projection apparatus for cinematographs. 1,754,323; Apr. 15.
- Killing, Fritz, Cologne, Germany. Facilitating the tying and sealing of packages. 1,750,476; Mar. 11.
- Killion, James B., Plainville, Ind. Storage plant to preserve by natural and artificial means. 1,747,304; Feb. 18.
- Killman, Thomas A., Nashville, Tenn. Motion-picture-projecting machine. 1,749,140; Mar. 4.
- Killory, Martin F., Brockton, Mass. Fishing trap. 1,777,496; Oct. 7.
- Kilwy, Mose A., Maple City, Mich. Pneumatic straw stacker. 1,747,548; Feb. 18.
- Kimball, A., Company. (See Plass, Robert H., assignor.)
- Kimball, A., Company. (See Pope, Paul M., assignor.)
- Kimball, Andrew L., Detroit, Mich., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. 1,761,569; June 3.
- Kimball, Frank L., West Haven, assignor to Sargent & Company, New Haven, Conn. Ball-bearing door hinge. Re17,748; July 29.
- Kimball, Franklin E., Watson, Calif. Process and apparatus for concentrating sulphuric acid. 1,764,210; June 17.
- Kimball, Frouze, et al. (See Johnson, Clarence V., assignor.)
- Kimball, James L., Beverly, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Method of and apparatus for controlling boiler feed water. 1,782,926; Nov. 25.
- Kimball-Krogh Pump Company. (See Bowlzer, Alfred H., Jr., assignor.)
- Kimball-Krogh Pump Company. (See Schlegel, R. M., and Bowlzer, assignors.)
- Kimball, Robert E., Cleveland, Ohio. Shock absorber. 1,765,429; June 24.
- Kimball, Samuel E. (See Moore, Thomas J., assignor.)
- Kimball, Simeon C., Tacoma, Wash., assignor to The Hydro Thermal Oil Renovator Co. Oil rectifier. 1,776,234; Sept. 16.
- Kimball, Wallace D. (See Schroeder, A. C., and Kimball.)
- Kimball, Arthur W., Newton Center, Mass. Snap-fastener cap. Des. 81,290; June 3.
- Kimball, Arthur W., Newton Center, Mass. Snap-fastener cap. Des. 81,292; June 3.
- Kimball, Arthur W., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Spring catch and like device. 1,784,936; Dec. 16.
- Kimbell, James F., assignor, by mesne assignments, to Consolidated Steel Corporation, Los Angeles, Calif. Closed pontoon floating deck for oil tanks and producing same. 1,748,231; Feb. 25.
- Kimberly, Alfred K., assignor to The Multi-Print System Co., Inc., Neenah, Wis. Register-operated cash drawer. 1,743,084; Jan. 7.
- Kimble, Clark R., Artesia, assignor to R. S. Thompson, Bellflower, Calif. Aircraft control. 1,747,777; Feb. 18.
- Kimble Electric Company. (See Nies, John D., assignor.)
- Kime, Charles G., assignor to The Burch Corporation, Crestline, Ohio. Asphalt spreader. 1,767,243; June 24.
- Kimerer, Lewis N. (See Stauter, E., and Kimerer.)
- Kimman, Theodore P., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Electrical motor. 1,769,063; July 1.
- Kimmel, Frederick C., Columbus, Ind. Liquid-dispensing device. 1,785,316; Dec. 16.
- Kimmich, Elmer G. (See Burkley, C. J., and Kimmich.)
- Kimmich, Elmer G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Flexible conduit and making the same. 1,746,701; Feb. 11.
- Kimmick, Charles J., jr., Rahway, N. J. Windshield wiper. 1,750,524; Mar. 11.
- Kimmig, Emil. (See Silver, S., and Kimmig.)
- Kimp, John, Grand Rapids, Mich. Drop-leaf table. 1,751,586; Mar. 25.
- Kimsey, Lucien C., Oklahoma City, Okla. Gravity-actuated circuit breaker. 1,751,005; Mar. 18.
- Kimura, Yuichi, Osaka-Fu, Japan. Shirt detachably combined with a collar. 1,774,441; Aug. 26.
- Kincaid, Frank M., Lima, Ohio, assignor of three-fourths to W. R. Bassick, Bridgeport, Conn. Valve silencer. 1,748,718; Feb. 25.
- Kincaid, Jesse B. (See Prange, Maurice N., assignor.)
- Kincannon, Leo T., Bucyrus, Ohio, assignor to Marion Machine, Foundry & Supply Company, Marion, Ind. One-man road grader. 1,759,647; May 20.
- Kincannon, Victoria A., New York, N. Y. Electric stove and attachment. 1,751,241; Mar. 18.
- Kinch, Earl L., assignor to Waterbury Buckle Company, Waterbury, Conn. Marking tag. 1,778,031; Oct. 14.
- Kind, Benjamin, Baltimore, Md. Resilient beel. 1,771,793; July 29.
- Kindel Furniture Company. (See Kindel, Thomas G., assignor.)
- Kindel, Thomas G., Grand Rapids, Mich., assignor to Kindel Furniture Company. Bed or similar article. Des. 81,340; June 10.
- Kindel, Thomas G., Grand Rapids, Mich., assignor to Kindel Furniture Company. Bedpost or similar article. Des. 82,945; Dec. 30.
- Kindervater, Julius, Brooklyn, N. Y. Locomotive connecting rod. 1,752,954; Apr. 1.
- Kindervater, Julius, Richmond, Va. Resizing crank arms and crank pins. 1,759,233; May 20.
- Kindervater, Julius, New York, N. Y. Boiler. 1,775,464; Sept. 9.
- Kindervater, Julius, Richmond, Va., assignor to W. H. Foster, New York, N. Y. Machine for turning or threading bolt blanks and the like. 1,771,713; July 29.
- Kiudl, Carl H., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition timer. 1,766,908; June 24.
- Kindl, Karl, Grafenhausen, near Neuenburg, assignor to E. G. Bek, Pforzheim, Germany. Machine for the production of mesh fabric and chains. 1,786,953; Dec. 30.
- Kiner, Glenn, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,759,855; May 27.
- Kines, Wm. J. (See Soule, Charles E., assignor.)
- King, Aaron E., Fresno, Calif. Vibrator distributing roll for printing presses. 1,779,172; Oct. 21.
- King, Albert E., Detroit, Mich. Protective pocket. 1,769,062; July 1.
- King, Andrew. (See Koronski, André.)
- King, Anna G., administratrix. (See King, Roy D.)
- King, Augustus T., Westminster, assignor of twenty-five per cent to R. T. Jaynes, Walhalla, and twenty-five per cent to J. M. Bruner, Westminster, S. C. Safety device for railway grade crossings. 1,773,043; Aug. 12.
- King, Benjamin F., assignor to Endicott Johnson Corporation, Endicott, N. Y. Ornamenting leather shoe caps, and the article produced thereby. 1,744,553; Jan. 21.
- King, Bert W., assignor to Barnes Scale Company, Detroit, Mich. Scale. Des. 81,009; Apr. 22.
- King, Bert W., assignor to Barnes Scale Company, Detroit, Mich. Scale. 1,766,826; June 24.
- King, Carlton V., Corry, Pa. Chair. 1,760,365; May 27.
- King, Carlton V., Corry, Pa. Chair. 1,760,414; May 27.
- King, C. G. & Co. (See Brigham, Charles W., assignor.)
- King, C. G. & Co. (See King, Clifford G., assignor.)
- King, C. G. & Co. (See Recchia, Orlando R., assignor.)
- King, C. G. & Co. (See Smith, Walter B., assignor.)
- King, Charles B., and B. Jacoby, assignors to The Marion Steam Shovel Co., Marion, Ohio. Steering mechanism. 1,745,995; Feb. 4.
- King, Charles B., B. Jacoby, and D. J. Shelton, assignors to The Marion Steam Shovel Company, Marion, Ohio. Excavating machine. 1,783,293; Dec. 2.
- King, Charles F. L., assignor to Morris Commercial Cars Limited, Birmingham, England. Governing internal-combustion engines. 1,773,076; Aug. 12.
- King, Clarence E., Harpenden, England, assignor to General Motors Corporation, Detroit, Mich. Sleeve-valve engine. 1,783,722; Dec. 2.
- King, Clarence W., Shreveport, La. Floating harbor. 1,750,224; Mar. 11.
- King, Clifford G., Providence, R. I. Pin. 1,753,570; Apr. 8.
- King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,482; July 1.
- King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,483; July 1.
- King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,587; July 15.
- King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,588; July 15.
- King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,651; July 22.
- King, Clifford G., Barrington, assignor to C. G. King Co., Inc., Providence, R. I. Shoe Buckle. Des. 81,652; July 22.
- King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,328; Oct. 21.
- King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,329; Oct. 21.
- King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,330; Oct. 21.
- King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,432; Nov. 4.
- King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 82,433; Nov. 4.
- King, Clifford G., Barrington, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,893; Dec. 23.
- King, Clifford G., Barrington, and R. C. Gibbs, East Providence, R. I. Shoe buckle. 1,761,834; June 3.
- King Company. (See King, George G., assignor.)
- King, Dorothy. (See King, Elmer W., assignor.)

- King, Douglas H., Irvington, and H. T. Martin, Ridge-wood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wall mounting for a hand telephone. Des. 82,505; Nov. 11.
- King, Eben W., East Chatham, N. Y. Filler. 1,768,074; June 24.
- King, Edward A., Boston, Mass. Window drapery. 1,778,499; Oct. 14.
- King, Edward F., Wakefield, R. I. Fabric and making the same. 1,746,948; Feb. 11.
- King, Edwin S. (See Wilder, F. L., Morris, Schiff, and King.)
- King, Elmer W., assignor to D. King, Long Beach, Calif. Turbine spinning tongs. 1,774,752; Sept. 2.
- King, Frances R. (See De Hart, William A., assignor.)
- King, Francis, Los Angeles, Calif. Exercising apparatus. 1,749,488; Mar. 4.
- King, Francis, Los Angeles, assignor to V. M. King, San Bernardino, Calif. Eye-treating device. 1,767,030; June 24.
- King, Frank B., Three Rivers, Mich. Knockdown play-house. 1,746,595; Feb. 11.
- King, Frank M., Bluefield, W. Va. Lubricating means for engines. 1,742,959; Jan. 7.
- King, Fred C., Portland, Oreg. Making welded joints for steel pipe. 1,750,010; Mar. 11.
- King, Fred C., Portland, Oreg. Burial vault. 1,766,649; June 24.
- King, Fred H., Canton, Ohio. Triple-cam-drive gasoline engine. 1,765,237; June 17.
- King, Frederic D. (See Anderson, A. E., and King.)
- King, Frederic D. (See MacLeod, D. R., King, and Hough.)
- King, George A., Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn. Attaching seat covers and the like. 1,768,454; June 24.
- King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Double-pin socket. 1,778,677; Oct. 14.
- King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Attaching seat covers and the like. 1,784,361; Dec. 9.
- King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Double-pointed-pin fastener. 1,787,253; Dec. 30.
- King, George D. (See Brookby, H. E., and King.)
- King, George D., and R. H. Stitt, assignors to United States Gypsum Company, Chicago, Ill. Acoustical material and manufacturing same. 1,769,519; July 1.
- King, George G., assignor to King Company, Sheffield, Ala. Lamp-post. 1,776,682; Sept. 23.
- King, George W. K. (See Corner, A. F., and King.)
- King, Gerald V. (See Koechling, C. D., and King.)
- King, Gerald V., St. Albans, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-switchboard system. 1,747,833; Feb. 18.
- King, Gerald V., St. Albans, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,763,157; June 10.
- King, Graham, South Orange, and F. A. Howard, Ridge-wood, N. J., assignors to Truscon Steel Company, Detroit, Mich. Compound door. 1,771,380; July 22.
- King, Henry J., New Haven, assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,783,723; Dec. 2.
- King, Henry K. (See Gilligan, James J., assignor.)
- King, Horace W., assignor to King-Seeley Corporation, Ann Arbor, Mich. Liquid-depth-indicating device. 1,766,129; June 24.
- King, Horace W., assignor to King-Seeley Corporation, Ann Arbor, Mich. Liquid-depth-indicating device. 1,766,130; June 24.
- King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Sheet-feeding machine. 1,752,744; Apr. 1.
- King, Irving S., New Canaan, Conn. Cross-chain fastener. 1,744,554; Jan. 21.
- King, James, Chicago, Ill. Paper-hanging device. 1,746,311; Feb. 11.
- King, James L., and R. L. Vancil, Darlington, Idaho; said King assignor to said Vancil. Sheep knife. 1,749,288; Mar. 4.
- King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,744,772; Jan. 28.
- King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,746,702; Feb. 11.
- King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Liquid cooler. 1,750,893; Mar. 18.
- King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,757,316; May 6.
- King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,758,228; May 13.
- King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,758,259; May 13.
- King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,761,041; June 3.
- King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,609; July 1.
- King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,612; July 1.
- King, Jesse G., and H. B. Hull, Dayton, Ohio, assignors, by mesne assignments, to General Motors Research Corporation, Detroit, Mich. Pump for refrigerating apparatus. 1,768,610; July 1.
- King, Jesse G., and H. B. Hull, assignors, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio. Refrigerating apparatus. 1,779,097; Oct. 21.
- King, Jesse G., and O. M. Summers, Dayton, Ohio, assignors, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,611; July 1.
- King, John C., Dalby, Australia. Device for coaling vessels. 1,773,044; Aug. 12.
- King, John L. (See Harris, A. W., Suchke, and King.)
- King, Leland A., Chicago, Ill. Camera. 1,773,106; Aug. 19.
- King, Lochiel M., Alameda, Calif. Conduit construction. 1,748,134; Feb. 25.
- King, Lucian, Akron, assignor to The Cleveland Trust Company, Cleveland, Ohio. Liquid-level indicator. 1,771,794; July 29.
- King Manufacturing Company, The. (See Roe, Ernest S., assignor.)
- King, Moleworth B., Elgin, Ill. Combined folding desk and table. 1,775,769; Sept. 16.
- King, Percival F., Miami, Fla. Tent for use with automobiles. 1,774,017; Aug. 26.
- King, Peter J., Detroit, Mich., assignor to C. S. Hammond & Company, Inc., Brooklyn, N. Y. Cutting machine for globe construction. 1,782,237; Nov. 18.
- King, Randall A., Pueblo, Colo. Machine for winding coil springs. 1,767,931; June 24.
- King, Randall A., Pueblo, Colo. Closet auger and stop-page grip. 1,787,112; Dec. 30.
- King Refractories Company. (See Smith, Sanford C., assignor.)
- King, Robert L., Richmond, Va. Compressor. 1,752,093; Mar. 25.
- King, Robert L., Richmond, Va. Condenser. 1,768,258; June 24.
- King, Roy D., deceased, by A. G. King, administratrix, assignor to F. R. Wetzel, Chicago, Ill. Material-handling apparatus. 1,767,592; June 24.
- King-Seeley Corporation. (See King, Horace W., assignor.)
- King, Thomas E., Westfield, assignor to Hitchings & Company, Elizabeth, N. J. Sash-operating apparatus. 1,757,720; May 6.
- King, Thomas F., East Greenwich, London, England. Bituminous composition. 1,771,795; July 29.
- King, Thomas J., jr., Chicago, Ill. Wire-tying machine. 1,781,181; Nov. 11.
- King, Vera M. (See King, Francis, assignor.)
- King, Vernon C., Worcester, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Conveyor belt. 1,756,598; Apr. 29.
- King, Vernon C., Worcester, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Sectional wire conveyor belt. 1,766,754; June 24.
- King, Walter S., Lakeland, Fla. Attaching shoe welts and outer soles. 1,750,225; Mar. 11.
- King, William B., Columbia, Tenn., assignor to Armour Fertilizer Works, Chicago, Ill. Double-superphosphate manufacture. 1,780,620; Nov. 4.
- King, William C., assignor to O'Shea Knitting Mills, Chicago, Ill. Pad. 1,767,372; June 24.
- King, William H., Clinton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Yieldable bobbin support for weft-replenishing looms. 1,766,753; June 24.
- King, William H., Clinton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Revolver for weft-replenishing looms. 1,766,909; June 24.
- King, Willis L. (See Horcraft, H. T., and King.)
- Kingman, Russell B., Orange, N. J., assignor to Useful Products Company. Toothbrush. 1,744,271; Jan. 21.
- Kingman, Russell B., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Heat-absorbing medium. 1,752,670; Apr. 1.
- King's, Julia, Candy Corporation. (See Phelps, Robert W., assignor.)
- Kingsbury, Albert, Greenwich, Conn., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Bearing. 1,754,324; Apr. 15.
- Kingsbury, Albert, Greenwich, Conn., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Bearing. 1,754,325; Apr. 15.
- Kingsbury, Edward J., Keene, N. H. Drilling machine. 1,780,083; Oct. 28.
- Kingsbury, Edward J., and J. E. Anderson, assignors to Kingsbury Machine Tool Corporation, Keene, N. H. Frictional drive. 1,764,211; June 17.
- Kingsbury, Edwin F., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Alloy for electrical contacts. 1,779,602; Oct. 28.
- Kingsbury, Edwin F., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Alloy for electrical contacts. 1,779,603; Oct. 28.
- Kingsbury, Harold P., Northampton, Mass. Paper container. 1,759,407; May 20.
- Kingsbury, Harry T., Keene, N. H. Hand garden fork. 1,755,651; Apr. 22.

- Kingsbury, Harry T., Keene, N. H. Toy airplane landing gear. 1,784,730; Dec. 9.
- Kingsbury, Henry J. (See Hammond, W. C., and Kingsbury.)
- Kingsbury Machine Tool Corporation. (See Kingsbury, E. J., and Anderson, assignors.)
- Kingsbury Machine Works, Inc. (See Howarth, Harry A. S., assignor.)
- Kingsbury Machine Works, Inc. (See Kingsbury, Albert, assignor.)
- Kingsford, Russell T. (See Davis, L. H., and Kingsford.)
- Kingsford, Russell T., Wyncote, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Telephone-magnet system. 1,771,127; July 22.
- Kingsford, Russell T., Wyncote, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radiospeaker. 1,771,381; July 22.
- Kingsley, Charles B., Clairton, Pa., assignor to Mississippi Glass Company. Method of and apparatus for annealing materials. 1,785,264; Dec. 16.
- Kingsley, Edwin A., Rutherford, N. J. Steam boiler. 1,743,146; Jan. 14.
- Kingsley-Miller Company, The. (See Dibelka, Henry G., assignor.)
- Kingsport Press, Inc. (See Smith, Walter F., assignor.)
- Kingston, A. Roy, et al. (See Welt, Frank L., assignor.)
- Kingston, Allan R., Somerville, Mass. Put log. 1,757,015; May 6.
- Kingston, Frank G., et al. (See Welt, Frank L., assignor.)
- Kingston, Frank G., assignor to Builders' Patent Scaffolding Company, West Somerville, Mass. Splice for poles for scaffolding. 1,749,637; Mar. 4.
- Kingston, Frank G., assignor to Builders' Patent Scaffolding Company, West Somerville, Mass. Leg for horses, etc. 1,749,706; Mar. 4.
- Kingston-Pocahontas Coal Company. (See Warden, Charles A., assignor.)
- Kingston Products Corporation. (See Beal, F., and Hollowell, assignors.)
- Kingston, Thomas H., assignor to Builders' Patent Scaffolding Company, West Somerville, Mass. Putlog. 1,772,812; Aug. 12.
- Kingston, Thomas H., assignor to Builders' Patent Scaffolding Company, West Somerville, Mass. Putlog. 1,784,601; Dec. 9.
- Kingston, Thomas H., assignor to Builders' Patent Scaffolding Company, West Somerville, Mass. Putlog. 1,787,006; Dec. 30.
- Kinhead, Fullerton S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeating system. 1,752,436; Apr. 1.
- Kinhead, Robert E., Cleveland, Ohio, assignor to Hollup Corporation. Coating for welding electrodes. 1,778,392; Oct. 14.
- Kinkela, Louis, Bessemer, Pa. Linoleum cutter. 1,757,531; May 6.
- Kinkenon, Frank R., Mount Vernon, N. Y., assignor to Bakeries Service Corporation, Wilmington, Del. Card-board-box fastener. 1,776,628; Sept. 23.
- Kinker, John C., jr. (See Crutchfield, G. K., jr., Northam, and Kinker.)
- Kinnard, Frank M. (See Kinnard, R. M. and F. M.)
- Kinnard, Isaac F. (See Lamb, G., and Kinnard.)
- Kinnard, Isaac F., Lynnfield, Mass., assignor to General Electric Company. Induction watt-hour meter. 1,752,094; Mar. 25.
- Kinnard, Isaac F., Lynnfield, Mass., assignor to General Electric Company. Induction watt-hour meter. 1,771,929; July 29.
- Kinnard, Isaac F., Lynnfield, Mass., assignor to General Electric Company. Induction watt-hour meter. 1,776,153; Sept. 16.
- Kinnard, Isaac F., Lynnfield, and H. T. Faus, Lynn, Mass., assignors to General Electric Company. Electric measuring instrument. 1,771,930; July 29.
- Kinnard, James A., Detroit, Mich., assignor to The Fulton Siphon Company, Knoxville, Tenn. Thermostatically-operated shutter. 1,772,722; Aug. 12.
- Kinnard, Robert M. and F. M., Sebring, Ohio. Clay spreader. 1,778,324; Oct. 14.
- Kinnear, Eugene C., Evanston, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Vault-wall-protecting device. 1,787,007; Dec. 30.
- Kinnear Manufacturing Company, The. (See Greggor, Ralph H., assignor.)
- Kinnear Manufacturing Company, The. (See Rush, Albert, assignor.)
- Kinney, Earl, Montgomery County near Dayton, assignor, by mesne assignments, to The Dayton Greenhouse Manufacturing Company, Dayton, Ohio. Gear and rack device. 1,748,555; Feb. 25.
- Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sheet-separating apparatus. 1,780,195; Nov. 4.
- Kinney, Frederick C., and W. T. Stockton, Evanston, Ill. Controlling device. 1,780,752; Nov. 4.
- Kinney, Henry, Sacramento, Calif. Transposing keyboard. 1,743,457; Jan. 14.
- Kinney, Henry, Sacramento, Calif. Player piano. 1,743,458; Jan. 14.
- Kinney, Ivan N., San Diego, Calif. Airship landing and mooring mast. 1,776,511; Sept. 23.
- Kinney, J. Stanley, Wilkesburg, Pa., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Switch. 1,747,444; Feb. 18.
- Kinney, James A., Lebanon, Pa., assignor to Bethlehem Steel Company. Nut-forging machine. 1,755,325; Apr. 22.
- Kinney, James A., Lebanon, Pa., assignor to Bethlehem Steel Company. High-speed thread-rolling machine. 1,783,796; Dec. 2.
- Kinney, Joseph N., Brooklyn, N. Y. Attachment for tractors. 1,770,784; July 15.
- Kinney, Joseph N., Brooklyn, N. Y. Attachment for tractors. 1,771,931; July 29.
- Kinney, Justus R., Jamaica Plain, Boston, Mass. Transmission mechanism. 1,743,716; Jan. 14.
- Kinney, Justus R., Jamaica Plain, Boston, Mass., assignor to Kinney Manufacturing Company, Boston, Mass. Apparatus for mixing oil and air. 1,743,715; Jan. 14.
- Kinney, Justus R., Jamaica Plain, assignor to Kinney Manufacturing Company, Boston, Mass. Pump for mixing oil and air. 1,751,006; Mar. 18.
- Kinney, Justus R., Jamaica Plain, assignor to Kinney Manufacturing Company, Boston, Mass. Oil separator. 1,778,078; Oct. 14.
- Kinney Manufacturing Company. (See Kinney, Justus R., assignor.)
- Kinney, Paul V., Austin, assignor to MacIntyre-Fishback Mfg. Co., Pueblo, Colo. Fruit-packing bag. 1,782,355; Nov. 18.
- Kinnie, W. Carl, assignor to F. H. Ward Co., Rockford, Ill. Vending cabinet. 1,754,518; Apr. 15.
- Kinnie, W. Carl, assignor to F. H. Ward Co., Rockford, Ill. Vending cabinet. 1,779,240; Oct. 21.
- Kinninger, Arthur M., assignor of one-half to C. A. Kinninger, Dayton, Ohio. Tie and spacer for concrete forms. 1,776,438; Sept. 23.
- Kinninger, Carl A. (See Kinninger, Arthur M., assignor.)
- Kinninger, Carl A., assignor of one-half to A. M. Kinninger, Dayton, Ohio. Adjustable shore. 1,776,439; Sept. 23.
- Kinquist, John, Sioux City, Iowa. Bracket for highway use and the like. 1,759,314; May 20.
- Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Pumping apparatus. 1,760,070; May 27.
- Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Pumping apparatus for artificial-silk spinning solutions. 1,773,904; Aug. 26.
- Kinser, James W., Terre Haute, Ind. Wall-board hoist. 1,762,397; June 10.
- Kinsley, Carl, Scarsdale, N. Y. Method of and apparatus for magnetic testing. 1,743,087; Jan. 7.
- Kinsley, James P., assignor of one-half to L. E. Agnew, jr., Kirkwood, Mo. Combination rake and snow shovel. 1,755,652; Apr. 22.
- Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Dish or other article of hollow ware. Des. 81,796; Aug. 12.
- Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 82,034; Sept. 16.
- Kintzele, Julius H. (See Tracy, M. J., and Kintzele.)
- Kinyon, Alonzo G., Allentown, assignor to the Estate of J. W. Fuller, deceased, Catasauqua, Pa. Conveying apparatus. 1,746,041; Feb. 4.
- Kinzel, Augustus B., Bayside, N. Y., assignor to Electro Metallurgical Co. Hardening process. 1,747,549; Feb. 18.
- Kinzel, Charles, Nutley, N. J. Airplane. 1,746,042; Feb. 4.
- Kinzfogel, Phelep, et al. (See Drahonovsky, John B., assignor.)
- Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Producing vitreous enamels. 1,785,777; Dec. 23.
- Kinzie, Phillip A. (See McClellan, L. N., Kinzie, Savage, and Day.)
- Kip, Henry E., Lakewood, Ohio, assignor to National Carbon Company, Inc. Electric-arc lamp. Des. 81,881; Aug. 26.
- Kip, Henry E., Lakewood, Ohio, assignor to National Carbon Co., Inc. Dry-cell manufacture. 1,773,229; Aug. 19.
- Kipp, Alfred R., Evanston, assignor to Battey & Kipp, Incorporated, Chicago, Ill. Car handling and painting apparatus. 1,742,771; Jan. 7.
- Kipp, Roy H., Canton, Ill., assignor to International Harvester Company. Cultivator. 1,769,142; July 1.
- Kipp, Theodore, jr., Winnipeg, Manitoba, Canada. Groat cutter. 1,744,169; Jan. 21.
- Kipper, Herman B., Muskegon, Mich. Manufacture of fertilizer salts. 1,768,075; June 24.
- Kipping, Norman V. (See Hurford, G., and Kipping.)
- Kirby, Champeau Co. (See Champeau, Lawrence X., assignor.)
- Kirby, Charles H., Flint, Mich. Piston. 1,774,277; Aug. 26.
- Kirby, Charles H., assignor to "Marvel Carburetor Company," Flint, Mich. Throttle-pump carburetor. 1,750,109; Mar. 11.
- Kirby, Charles H., assignor to Marvel Carburetor Company, Flint, Mich. Carburetor. 1,763,361; June 10.
- Kirby, James B., West Richfield, Ohio. Radiosocket. 1,767,139; June 24.

- Kirby, James B., West Richfield, Ohio. Mechanical movement. 1,783,380; Dec. 2.
- Kirby, James B., West Richfield, Ohio. Motion-arresting means for motor-propelled vehicles. 1,784,145; Dec. 9.
- Kirby, Phillip S., Baron, Okla. Embroidery needle. 1,750,226; Mar. 11.
- Kirby, Walter E., Bay Village, Ohio, assignor to American Stove Company, St. Louis, Mo. Range. Des. 82,264; Oct. 14.
- Kircher, Ralph N., West Bend, Wis., assignor to West Bend Aluminum Company. Coffee maker. Des. 81,491; July 1.
- Kirchhan, Robert O., Milwaukee, Wis. Valve. 1,782,238; Nov. 18.
- Kirchoff, William G., Cincinnati, Ohio. Dough mixer. 1,778,363; Oct. 14.
- Kirchoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Dough divider. 1,778,218; Oct. 14.
- Kirchner, Henry W., St. Louis, Mo. Transportation system. 1,746,658; Feb. 11.
- Kirchner, Walter, assignor to Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft, Berlin-Grünau, Germany. Accelerating the hardening of hydraulic binding means. 1,782,471; Nov. 25.
- Kirchner, William, and F. J. Sheldon, Sparta, Wis. Turning and heading machine. 1,750,932; Mar. 18.
- Kircoaf, Charles H., Philadelphia, Pa., assignor, by mesne assignments, to The Lang Company, Gloucester, N. J. Beating apparatus. 1,754,519; Apr. 15.
- Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pump seal. 1,744,971; Jan. 28.
- Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Centrifugal pump. 1,757,576; May 6.
- Kirgan, John F. (See Bancel, P. A., and Kirgan.)
- Kirgan, John F., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steam condenser. 1,749,141; Mar. 4.
- Kirk, Benjamin K., Philadelphia, Pa. Locomotive frame. 1,755,925; Apr. 22.
- Kirk & Blum Manufacturing Company, The. (See Kirk, S. W., and Meuttmann, assignors.)
- Kirk, George, North Providence, and A. C. Danver, Providence, R. I., said Kirk assignor to said Danver. Lubricating device. 1,786,432; Dec. 30.
- Kirk, Raphael S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Web-guiding apparatus. 1,754,629; Apr. 15.
- Kirk, Raphael S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-forming machine. 1,763,589; June 10.
- Kirk, Sylvester W., and W. B. Meuttmann, assignor to The Kirk & Blum Manufacturing Company, Cincinnati, Ohio. Dust-collecting system. 1,758,668; May 13.
- Kirk, Walter I., Chicago, Ill. Stringed musical instrument. 1,750,843; Mar. 18.
- Kirk, Walter I., Chicago, Ill. Stringed musical instrument. 1,757,577; May 6.
- Kirk, Walter R. (See Stepelton, Aubry F., assignor.)
- Kirk, William J., Wellsburg, W. Va. Dilator. 1,750,272; Mar. 11.
- Kirkbridge, Walter H., San Francisco, Calif. Supporting railway rails upon ties. 1,780,396; Nov. 4.
- Kirkham, Joseph E., Topeka, Kans. Troweling machine for concrete or other plastic material. 1,780,427; Nov. 4.
- Kirkman, James H., Smithfield, N. C. Road-marking machine. 1,763,432; June 10.
- Kirkman, William J., Denver, Colo. Welding machine. 1,770,649; July 15.
- Kirkner, John W., and J. O. Snowden, New York, N. Y. Pressing iron. 1,765,679; June 24.
- Kirkpatrick, Carroll P., assignor of one-half to R. M. Smith, Fellows, Calif. Valve for oil-well pumps. 1,784,602; Dec. 9.
- Kirkpatrick, George M., Pittsburgh, assignor, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,744,314; Jan. 21.
- Kirkpatrick, Hugh, Waltham, Mass. Pin board. 1,765,164; June 17.
- Kirkpatrick, John, Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Plate. Des. 81,293; June 3.
- Kirkpatrick, John, Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Tumbler. Des. 81,934; Sept. 9.
- Kirkpatrick, John, Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Sherbet. Des. 82,610; Nov. 25.
- Kirkpatrick, John M., Huntingdon Valley, Pa. Post spade and earth drill. 1,757,925; May 6.
- Kirkpatrick, Marie, Grand Rapids, Mich., assignor to Ficks Reed Company, Cincinnati, Ohio. Chair. Des. 81,056; Apr. 29.
- Kirkpatrick, William C., Chicago, Ill., assignor to The Western Gas Construction Company, Fort Wayne, Ind. Apparatus and process for distilling carbonaceous materials. 1,770,984; July 22.
- Kirkpatrick, William S., Bergholz, Ohio. Joist and rafter jack. 1,775,465; Sept. 9.
- Kirkstall Forge Limited. (See Aylwin, E. A., and Cowell, assignors.)
- Kirkwood, Arthur M. (See Bidwell, W. C., and Kirkwood.)
- Kirlin, Linden, Beattie, Kans. Lister cultivator. 1,747,515; Feb. 18.
- Kirlin, Otis M., Watertown, S. Dak. Clamp. 1,743,922; Jan. 14.
- Kirlin, Otis M., Watertown, S. Dak. Spotlight. 1,767,373; June 24.
- Kirman, Herbert and G. R. Baker, Willesden, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Conveying or delivering biscuits or like articles. 1,787,254; Dec. 30.
- Kirmser, August, Chicago, Ill. Dish cover. 1,745,935; Feb. 4.
- Kirn, William, Solomon, Kans. Differential gearing. 1,785,091; Dec. 16.
- Kirsch, Charles V., Evansville, Ind. Automatic oiler for handsaws. 1,775,679; Sept. 16.
- Kirsch, Charles W., assignor, by mesne assignments, to Kirsch Company, Sturgis, Mich. Drapery-suspension fixture. 1,756,365; Apr. 29.
- Kirsch, Charles W., and Archie A. Allen, assignors to Kirsch Company, Sturgis, Mich. Machine for impressing helically-disposed formations in curtain poles. 1,778,032; Oct. 14.
- Kirsch Company. (See Kirsch, Charles W., assignor.)
- Kirsch Company. (See Kirsch, C. W., and Allen, assignors.)
- Kirsch, Louis F., Cleveland, Ohio. Radiocabinet. Des. 81,341; June 10.
- Kirschbraun, Lester, Chicago, Ill., assignor to The Patent and Licensing Corporation, Boston, Mass. Making curved roofing elements and product thereof. 1,754,771; Apr. 15.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing element with thickened butt edges and method of making the same. 1,760,873; June 3.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and apparatus for saturating sheet material. 1,762,336; June 10.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing and making same. 1,763,601; June 10.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Sealed laminated roofing element. 1,765,796; June 24.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Composition board. 1,765,839; June 24.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Making roofing elements. 1,767,374; June 24.
- Kirschbraun, Lester, Leonia, N. J., assignor to The Flintkote Company, Boston, Mass. Making continuous waterproof sheets and product thereof. 1,767,532; June 24.
- Kirschbraun, Lester, Leonia, N. J., assignor to The Flintkote Company, Boston, Mass. Pavement. 1,767,533; June 24.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Saturating sheet material. 1,776,590; Sept. 23.
- Kirschbraun, Lester, Leonia, N. J. Making emulsified compositions. 1,781,645; Nov. 11.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Edge-finishing fabricated roofing elements. 1,782,535; Nov. 25.
- Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Edge-finishing fabricated roofing elements. 1,782,536; Nov. 25.
- Kirschbraun, Lester, Leonia, N. J., assignor to F. L. Belknap, Chicago, Ill. Cleaning composition. 1,786,249; Dec. 23.
- Kirschbraun, Lester, assignor to Universal Oil Products Company, Chicago, Ill. Converting of hydrocarbons. 1,778,157; Oct. 14.
- Kirsner, Harry, U. S. Army, Philadelphia, Pa. Fabric and making same. 1,773,905; Aug. 26.
- Kirsner, Walter, New York, N. Y., assignor to Grayson Shops, Inc. Store front. Des. 81,541; July 8.
- Kirst, Werner. (See Eckert, W., and Kirst.)
- Kirst, Werner. (See Heyna, H., Kirst, Kracker, and Moldaenke.)
- Kirstein, John S. (See Krans, Andrew G., assignor.)
- Kirsten, Frederick B. A., Mason City, Iowa. Soft-collar support. 1,764,212; June 17.
- Kirsten, Frederick W., Blue Island, Ill. Receptacle for razor blades. 1,753,269; Apr. 8.
- Kirsten, Joseph A. G., East London, South Africa. Means or apparatus for lifting motor vehicles and the like through the medium of their wheels. 1,782,306; Nov. 18.
- Kis, Georg. (See Edelstein, A., and Kis.)
- Kise, William K., Kansas City, Mo. Coffee dripper. 1,748,135; Feb. 25.
- Kiser, Henry L., Adrian, Mich. Coin-actuated mechanism. 1,758,748; May 13.
- Kishi, Tabira. (See Sumi, R., and Kishi.)

- Kishpaugh, Hampton M., Courtland, Calif. Mold-form clamp. 1,750,525; Mar. 11.
- Kislitzin, Stephen, Sokolniki, Moscow, assignor to State Import and Export Trading Office "Gostorg," Moscow, Union of Socialist Soviet Republics. Manufacture of a black coloring matter. 1,774,202; Aug. 26.
- Kiss, Stephen A., Bayonne, N. J., assignor to Standard Oil Development Company. Carbonyl compound and preparing the same. 1,767,291; June 24.
- Kissock, Alan, Forest Hills, N. Y. Making calcium molybdate. 1,763,712; June 17.
- Kisson, John S., Altoona, Pa. Pencil sharpener and point protector. 1,779,910; Oct. 28.
- Kist, Michael J., Johnstown, Pa. Gauge rod. 1,749,489; Mar. 4.
- Kist, Michael J., Johnstown, Pa. Gauge rod. 1,749,490; Mar. 4.
- Kistner, Frederick J., and W. S. Williams, assignors to The J. A. Fay & Egan Company, Cincinnati, Ohio. Wood-working machine. 1,766,650; June 24.
- Kita, Hozumi, Kitago-Mura, Sunto-Gori, Japan. Door-controlling switch-lock apparatus. 1,743,357; Jan. 14.
- Kitchen Aid Manufacturing Company, The. (See Johnston, H. L., and Meeker, assignors.)
- Kitchen, Mabel G., et al. (See Welt, Frank L., assignor.)
- Kitchens, William G., Wedowee, Ala. Water motor. 1,744,555; Jan. 21.
- Kitching, Cyrus, Chicago, Ill. Tone-producing triangle. 1,752,529; Apr. 1.
- Kitsée, Isidor, and D. C. Law, deceased, Philadelphia, Pa., J. F. Law, administratrix, assignors to Cinema Laboratories Corporation, Brooklyn, N. Y. Color photography. 1,775,938; Sept. 16.
- Kitson Company. (See Lovekin, Luther D., assignor.)
- Kitson Machine Shop. (See Curley, Robert S., assignor.)
- Kittilsen, Coom, Porsgrund, Norway. Planet gearing. 1,764,961; June 17.
- Kitto, William H., Ferndale, Mich. Radioreceiver. 1,749,102; Mar. 4.
- Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Casing for a suction cleaner or similar article. Des. 82,26; Oct. 14.
- Kittredge, Ernest E., Alameda, J. A. Forster, Oakland, and R. D. Johansen, Alameda, Calif. Electrical water heater. 1,750,640; Mar. 18.
- Kittredge, John W., Atlanta, Ga. Bag turning and cleaning machine. 1,748,775; Feb. 25.
- Kittredge, Joseph P., Sharon, Pa. Car-wheel manufacture. 1,777,673; Oct. 7.
- Kitts, David R., North Tazewell, Va. Leakproof insulator. 1,748,884; Feb. 25.
- Kitze, Herman, Owen, Wis. Rocking toy. 1,754,109; Apr. 8.
- Kivlaho, Joel, Marshfield, Oreg. Hose-clamp-applying tool. 1,783,123; Nov. 25.
- Kivley, Ray C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Braiding machine. 1,752,437; Apr. 1.
- Kivley, Ray C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for continuously sheathing cores of materials. 1,770,985; July 22.
- Kivy, Julius, Brooklyn, N. Y. Toy desk or similar article. Des. 82,837; Dec. 16.
- Kiwad, Isidor, New York, N. Y. Hat-forming die. 1,779,401; Oct. 21.
- Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp base or article of analogous nature. Des. 82,378; Oct. 28.
- Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp base or article of analogous nature. Des. 82,379; Oct. 28.
- Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp or article of analogous nature. Des. 82,380; Oct. 28.
- Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp or article of analogous nature. Des. 82,381; Oct. 28.
- Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp or article of analogous nature. Des. 82,506; Nov. 11.
- Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp or similar article. Des. 82,562; Nov. 18.
- Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp or article of analogous nature. Des. 82,563; Nov. 18.
- Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp or article of analogous nature. Des. 82,564; Nov. 18.
- Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp or article of analogous nature. Des. 82,565; Nov. 18.
- Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp base or article of analogous nature. Des. 82,838; Dec. 16.
- Kiwi, Walter, Philadelphia, Pa., assignor, by mesne assignments, to Peerless Springs, Inc., West Chester, Pa. Machine for forming and attaching wire colls. Re17,744; July 22.
- Kjekstad, Johannes, Brooklyn, N. Y. Container and the like and bracing for the same. 1,743,459; Jan. 14.
- Kjeldsen, Nels, Longview, Wash. Automobile hood lock. 1,775,466; Sept. 9.
- Kjellander, Joe, et al. (See Johnston, Luther C., assignor.)
- Kjellberg, Anders W., assignor to General Motors Corporation, Detroit, Mich. Connecting rod. 1,783,922; Dec. 2.
- Kjellgren, Bengt R. F., Cleveland, Ohio. Treating aluminous materials for the production of aluminum sulphate and alumina therefrom. 1,752,599; Apr. 1.
- Kjellgren, Bengt R. F., Cleveland, Ohio. Treating aluminous materials. 1,752,641; Apr. 1.
- Kjellstrom, John H., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Spool end. 1,754,274; Apr. 15.
- Kjolseth, Ole K., Scotia, N. Y., assignor to General Electric Company. Railway truck. 1,751,336; Mar. 18.
- Kjolseth, Ole K., Scotia, N. Y., assignor to General Electric Company. Uncoupling device. 1,770,785; July 15.
- Klages, G. W., & Son, Inc. (See Klages, Norman H., assignor.)
- Klages, Norman H., Pittsburgh, Pa., assignor to G. W. Klages & Son, Inc. Grinding machine. 1,760,987; June 3.
- Klagges, Elsie, Glendale, N. Y. Pencil. 1,755,326; Apr. 22.
- Klagsbrunn, Josef, Vienna, Austria, assignor, by mesne assignments, to P. Legrand, Brussels, Belgium. Grinding mill. 1,773,906; Aug. 26.
- Klahn, Emil, New Vernon, N. J. Mechanical movement. 1,784,450; Dec. 9.
- Klahre, Theodore, Union City, N. J., assignor to Consolidated Trimming Corporation, New York, N. Y. Weft-disengaging device for bullion-fringe loom apparatus. 1,777,093; Sept. 30.
- Klaiber, Edward C., Memphis, Tenn., assignor to National Washboard Company, Chicago, Ill. Washboard. 1,752,745; Apr. 1.
- Klaiber, Walter J., Pittsburgh, Pa., assignor to The Koppers Company. Removal of carbon bisulphide from gas. 1,785,415; Dec. 16.
- Klamp, Paul, and J. J. Woolley, assignor to The Timken Roller Bearing Company, Canton, Ohio. Dressing device for grinding wheels. 1,754,630; Apr. 15.
- Klamroth, Albert. (See Tschunkur E., and Klamroth.)
- Klancnik, Ferdinand, et al. (See Drahonovsky, John B., assignor.)
- Klapper, Max. (See Lasky, Charles assignor.)
- Klaren, William B., Lexington, Ky. Self-steaming iron. 1,780,236; Nov. 4.
- Klarer, Willi. (See Hartmann, M., and Klarer.)
- Klasing, Augustus F., Chicago, Ill. Railway-car hand brake. 1,749,948; Mar. 11.
- Klasing, Augustus F., Chicago, Ill. Winding mechanism. 1,749,949; Mar. 11.
- Klasing, Augustus F., Chicago, Ill. Winding means. 1,749,950; Mar. 11.
- Klaucke, George W. (See Jones, F. A., and Klaucke.)
- Klaucke, George W., assignor to Hobbs Manufacturing Company, Worcester, Mass. Corner-cutting machine. 1,781,111; Nov. 11.
- Klauer, Philipp, Nuremberg, Germany, assignor to the Firm Vereinigte Schuhfabriken Berneis-Wessels A. G., Augsburg-Oberhausen, Germany. Baby's shoe. Des. 82,434; Nov. 4.
- Klaus, Fred R., Warren, assignor, by mesne assignments, to The Goodyear Tire & Rubber Company, Akron, Ohio. Demountable rim. 1,750,477; Mar. 11.
- Klaus, Fred R., Warren, assignor to Goodyear Tire & Rubber Company, Akron, Ohio. Wheel mounting. 1,754,631; Apr. 15.
- Klaus, Fred R., Warren, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Dual wheel structure. 1,769,296; July 1.
- Klausmeyer, David C. (See Norris, H. M., and Klausmeyer.)
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Head-carried gear train for spindle feed. 1,744,000; Jan. 14.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Direct-drive drill. 1,746,263; Feb. 11.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Convertible drilling and tapping machine. 1,746,264; Feb. 11.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Drilling machine having interchangeable hand and power feeds. 1,746,265; Feb. 11.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Spindle-feeding means. 1,746,266; Feb. 11.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Radial drill with all change gears centralized in head. 1,746,703; Feb. 11.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Self-oiling centralized change gears. 1,763,713; June 17.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Equalized arm clamp. 1,764,514; June 17.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Direct-reading gear-shift mechanism. 1,764,515; June 17.
- Klausmeyer, David C., Cincinnati, and H. E. Darby, Norwood, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Single-lever eight-speed shift mechanism. 1,765,592; June 24.
- Klausmeyer, David C., and T. L. Gibson, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Driving mechanism. 1,743,460; Jan. 14.

- Klausmeyer, David C., and H. M. Norris, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Thirty-six-spaced head. 1,763,158; June 10.
- Klausner, Edward S. (See Sitzman, A., and Klausner.)
- Klebanoff, D., and Grossman. (See Grossman, Samuel.)
- Klebanoff, David. (See Kavin, William I., assignor.)
- Kleeb, Otto F., and H. J. Fullerton, assignors to Hunter Saw and Machine Company, Pittsburgh, Pa. Tube cutting and rotating machine. 1,745,699; Feb. 4.
- Kleefisch, Henry J. (See Hale, C. H., and Kleefisch.)
- Kleen Kap Corporation. (See Pease, John A., assignor.)
- Klein, Abraham, and L. Esterow, assignors to Columbia Stamping Products Co. Inc., New York, N. Y. Vanity case or similar container. Des. 81,057; Apr. 29.
- Klein, Albert, New York, N. Y. Animal figure. Des. 81,198; May 20.
- Klein, Albert, New York, N. Y. Ash tray or the like. Des. 82,894; Dec. 23.
- Klein, Carl, Wichita, Kans. Truck. 1,772,951; Aug. 12.
- Klein, Clarence J. (See McBane, W. W., and Klein.)
- Klein, Clarence J., Bellevue, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Control mechanism. 1,757,773; May 6.
- Klein, Clarence J., Bellevue, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill. 1,774,383; Aug. 26.
- Klein, Clarence J., Bellevue, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Bearing. 1,782,969; Nov. 25.
- Klein, Clarence J., Bellevue, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Material-handling device. 1,783,797; Dec. 2.
- Klein, Dayton W., Detroit, Mich. Making multiple-diameter cut tools. 1,747,117; Feb. 11.
- Klein, Edward H., Plainfield, N. J. Waterproof building-wall structure. 1,769,844; July 1.
- Klein, Emanuel, New York, N. Y. Soluble coffee. 1,742,261; Jan. 7.
- Klein, Emil, assignor to the Firm Wilhelm Julius Teufel, Stuttgart, Germany. Suspensory bandage. 1,742,399; Jan. 7.
- Klein, Eugen, Dresden, Germany. Appliance for automatically regulating the entrance of fabrics or webs into lapping machines. 1,755,826; Apr. 22.
- Klein, Eugene. (See Distler, O., and Klein.)
- Klein, Frederick, Brooklyn, N. Y. Window sash. 1,769,064; July 1.
- Klein, Frederick, New York, N. Y., assignor to A. B. Dick Company. Slip sheeter, particularly adapted for mimeographs. 1,763,972; June 17.
- Klein, Frederick, College Point, assignor to Warp Twisting-In Machine Company, Brooklyn, N. Y. Method of and mechanism for knotting together strands. 1,776,912; Sept. 30.
- Klein, Georges, and P. Massot, Paris, France. Ticket-canceling machine. 1,762,301; June 10.
- Klein, Gustav, Philadelphia, Pa. Grease absorber. 1,754,110; Apr. 8.
- Klein, Herman, Chicago, Ill. Incinerator. 1,763,159; June 10.
- Klein, Herman, Chicago, Ill. Incinerator. 1,763,398; June 10.
- Klein, Hermann, assignor to Klein, Weiner & Bell, Milwaukee, Wis. Drier. 1,775,130; Sept. 9.
- Klein, Isidore, Brooklyn, N. Y. Window fastener. 1,771,893; July 29.
- Klein, John W. (See Nettle, T. B., and Klein.)
- Klein, Joseph F., Port Washington, Wis. Ash tray. Des. 81,882; Aug. 26.
- Klein, Joseph W., assignor to The Electric Signal Company, Limited, Los Angeles, Calif. Signal device. 1,781,927; Nov. 18.
- Klein, Karl, St. Louis, Mo. Electrical instrument. 1,758,322; May 13.
- Klein, Leon E., Los Angeles, Calif. Weather guard for casement windows. 1,745,625; Feb. 4.
- Klein, Louis. (See Nordlinger, M. W., and Klein.)
- Klein, Mathias, and Sons. (See Davis, C. H., and Lueck, assignors.)
- Klein, Mathias, & Sons, Inc. (See Donkel, Mathias, assignor.)
- Klein, Melitta, Vienna, Austria, assignor to Ruth-Aldo Company, Inc., New York, N. Y. Apparatus for spinning solutions of cellulose ethers or esters. 1,767,215; June 24.
- Klein, Myer S., assignor to Panco Rubber Company, Chelsea, Mass. Shoe sole. Des. 81,136; May 13.
- Klein, Oscar H., New York, N. Y. Cartridge pocket. 1,759,579; May 20.
- Klein, Paul, Budapest, Hungary, assignor, by mesne assignments, to American Anode, Inc. Immediate production of mechanically-unworked pure rubber sheets from latex. 1,750,177; Mar. 11.
- Klein, Paul, Budapest, Hungary, and A. Szegvari, assignors to American Anode Inc., of Akron, Ohio. Manufacture of rubber goods from rubber dispersions. 1,783,435; Dec. 2.
- Klein, Paul, Budapest, Hungary, A. Szegvari, Akron, Ohio, and S. Gottlieb, Budapest, Hungary, assignors to American Anode Inc., Akron, Ohio. Maintaining uniformity in composition of liquid dispersions or emulsions. 1,777,646; Oct. 7.
- Klein, Pearce. (See Ipsen, C. L., Chapman, and Klein.)
- Klein, Silard, New York, N. Y. Driving and speed-varying mechanism. 1,759,856; May 27.
- Klein, Thomas J., Chicago, Ill. Bird perch. 1,747,476; Feb. 18.
- Klein, Walter F., assignor to Snap-On Wrench Company, Milwaukee, Wis. Making socket wrenches. 1,772,723; Aug. 12.
- Klein, Weiner & Bell. (See Klein, Hermann, assignor.)
- Kleinert, I. B., Rubber Company. (See Brown, Frances R., assignor.)
- Kleinert, I. B., Rubber Company. (See Thayer, Henry H., assignor.)
- Kleinewefers, Joh., Söhne. (See Kleinewefers, Johannes, assignor.)
- Kleinewefers, Johannes, assignor to the firm: Joh. Kleinewefers Söhne, Krefeld, Germany. Calendar. 1,765,922; June 24.
- Kleinewefers, Johannes, assignor to the firm: Joh. Kleinewefers, Söhne, Krefeld, Germany. Lustering and embossing machine for leather and the like. 1,768,408; June 24.
- Kleinhammer, A. S. (See Applebaker, Theron J., assignor.)
- Kleinhammer, William H., San Francisco, Calif. Washing machine. 1,770,075; July 8.
- Kleinhammer, William H., San Francisco, Calif. Washing machine. 1,770,076; July 8.
- Kleinheksel, Frank. (See Becker, C. and Kleinheksel.)
- Kleumeyer, T. E., et al. (See Dopyera, John, assignor.)
- Kleinow, Walter, Hennigsdorf, near Berlin, assignor to the firm Allgemeine Elektrizitäts-Gesellschaft, Berlin, Germany. Tender. 1,745,170; Jan. 28.
- Kleinpell, Walter H., Narberth, assignor to John Lucas and Company, Incorporated, Philadelphia, Pa. Rack for displaying paints. 1,770,755; July 15.
- Kleinschmidt, Edward E., Long Island City, N. Y., assignor, by mesne assignments, to Teletype Corporation, Chicago, Ill. Selective system and apparatus. 1,749,142; Mar. 4.
- Kleinschmidt, Edward E., Long Island City, N. Y., assignor, by mesne assignments, to Teletype Corporation, Chicago, Ill. Telegraph system and apparatus therefor. 1,758,194; May 13.
- Kleinschmidt, Edward E., assignor to Teletype Corporation, Chicago, Ill. Transmitter. 1,766,713; June 24.
- Kleinschmidt, Edward E., assignor, by mesne assignments, to Teletype Corporation, Chicago, Ill. Printing telegraphy. 1,781,905; Nov. 18.
- Kleinschmidt, Emil. (See Türke, Johannes, assignor.)
- Kleinschmidt, Oscar, assignor to Gebrüder Brehmer, Maschinenfabrik, Leipzig-Plagwitz, Germany. Machine for folding paper. 1,770,312; July 8.
- Kleinschmidt, Oscar, assignor to Gebrüder Brehmer, Maschinenfabrik, Leipzig-Plagwitz, Germany. Paper-folding machine. 1,784,731; Dec. 9.
- Kleinsmith, Horace B., F. R. Neely, and F. W. Doll, assignors to A. H. Balliet Corporation, Allentown, Pa. Lid-wrapping machine. 1,784,632; Dec. 9.
- Klemgard, Edwin N. (See Doell, T. W., and Klemgard.)
- Klemgard, Edwin N., Holly Oak, Del. Making lubricating grease. 1,749,251; Mar. 4.
- Klemm, Emil R., jr., Chicago, Ill. Tappet. 1,757,721; May 6.
- Klemm, Emil R., jr., Chicago, Ill. Governor. 1,758,080; May 13.
- Klemm, Hans, assignor to the firm Koch & Sterzel Aktiengesellschaft, Dresden, Germany. Current transformer. 1,786,853; Dec. 30.
- Klemm, William J., assignor to Ruda Manufacturing Company, Chicago, Ill. Window structure. 1,762,993; June 10.
- Klemperer, Wolfgang B. (See Helma, P., and Klemperer.)
- Klemperer, Wolfgang B., assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Tensiometer. 1,757,933; May 6.
- Klemperer, Wolfgang B., assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Stabilizing apparatus for airships. 1,763,590; June 10.
- Klensch, Arthur E. (See Klensch, John W., jr., and A. E., assignor.)
- Klensch, John W., jr., and A. E. Klensch, Forest Hills, N. Y. Conical grater. 1,768,076; June 24.
- Klepado, Kostantz, and A. Gratkowski, Scranton, Pa. Beam-handling apparatus for coal-mining and other operations. 1,755,738; Apr. 22.
- Klepsch, Wilhelm, Aussig-on-the-Elbe, Czechoslovakia. Making molds. 1,777,975; Oct. 7.
- Kleven, Gustav, O. J., Salt Lake City, Utah. Elevator-door lock. 1,779,173; Oct. 21.
- Kliefoth, Max. (See Storey, O. W., and Kliefoth.)
- Kliegl Bros. Universal Electric Stage Lighting Co. (See Kliegl, Herbert A. and J., assignors.)
- Kliegl Bros. Universal Electric Stage Lighting Co. (See Kliegl, John H., assignor.)
- Kliegl, Herbert A. and J., assignors to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Flood light. 1,742,600; Jan. 7.
- Kliegl, Herbert A. and J., assignors to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Flood light. 1,742,601; Jan. 7.
- Kliegl, John H., assignor to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Footlights. 1,742,599; Jan. 7.
- Kliegl, Joseph. (See Kliegl, Herbert A. and J.)
- Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)

- Klim, Alfred H., E. Johnson, A. Nelson, A. O. Belin, and A. L. Lundsten, Jamestown, N. Y. Window construction. 1,750,110; Mar. 11.
- Klima, Rudolf, and H. Reischenbacher, Salzburg, Austria. Steam-operated ice and snow plow. 1,755,695; Apr. 22.
- Klima, Stanley P., Odessa, Wash. Carburetor dust cleaner. 1,785,632; Dec. 16.
- Klimburg, Rudolf, Vienna, Austria. Closing device. 1,747,550; Feb. 18.
- Klimek, Gustav A., East Rutherford, N. J., assignor to Turbine Patents Corporation, New York, N. Y. Hydraulic power transmitter. 1,766,520; June 24.
- Klimek, Gustav A., East Rutherford, N. J., assignor to Turbine Patents Corporation, New York, N. Y. Power transmitter. 1,786,433; Dec. 30.
- Klinck, John H. (See Carrington, M., and Klinck.)
- Kline, Charles L., assignor to H. B. Harrington, Buffalo, N. Y. Attachment for gas heaters. 1,752,007; Mar. 25.
- Kline, Fred J., Bayville, N. Y. Binder. 1,755,604; Apr. 22.
- Kline, Harmon J., Detroit, Mich. Hydraulic clutch transmission. 1,755,182; Apr. 22.
- Kline, Herbert J., Jackson, Mich. Internal-combustion engine. 1,756,029; Apr. 29.
- Kline, Joseph E., Port Huron, Mich. Toy. 1,784,692; Dec. 9.
- Kline, Julius R. (See Schylander, John F., assignor.)
- Kline, Lawrence J., Chicago, Ill., assignor to Mercury Manufacturing Company. Vehicle coupling. 1,744,972; Jan. 28.
- Kline, Walter A., assignor to The A-R Products Corporation, Akron, Ohio. Inner tube for pneumatic tires. 1,774,892; Sept. 2.
- Kling Bros. Engineering Works. (See Schmidt, John E., assignor.)
- Klingele, John, Yakima, Wash. Traveling saw. 1,778,639; Oct. 14.
- Klingelfuss, Emil, and A. Baumann, assignors to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Air scavenging and charging blower for engines. 1,763,791; June 17.
- Klingemann, Felix, Mainkur near Frankfort-on-the-Main, W. Lommel, Wiesdorf, near Cologne-on-the-Rhine, E. Korten, Fechenheim near Frankfort-on-the-Main, and T. Goost, Leverkusen, near Cologne-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft. Catalytically hydrogenating aromatic amino compounds and products produced thereby. 1,782,729; Nov. 25.
- Klingenberg, Wilhelm, assignor to Lamella Roof Syndicate, Inc., New York, N. Y. Space-covering structure, such as roofs, walls, and the like. 1,753,892; Apr. 8.
- Klingenberg, Wilhelm, assignor to Lamella Roof Syndicate, Inc., New York, N. Y. Space-covering structure, such as roofs, walls, and the like. 1,753,893; Apr. 8.
- Klingensmith, Frank L., Detroit, Mich. Railway tie. 1,784,901; Dec. 16.
- Klinger, James D., and C. L. Boyle, Detroit, Mich. Composition for and process of cleaning metal. 1,752,746; Apr. 1.
- Klinger, Victor. (See Harrington, P. H., and Klinger.)
- Klingner, Herman R., Dresden, Germany, assignor to A. Wagner, New York, N. Y. Gas connection. 1,762,721; June 10.
- Klingsick, Oswald W., assignor to Day-Brite Reflector Company, St. Louis, Mo. Lighting fixture for show cases. 1,751,042; Mar. 18.
- Klingsick, Oswald W., assignor to Day-Brite Reflector Company, St. Louis, Mo. Electric-lighting fixture for show cases and the like. 1,771,758; July 29.
- Klink, Thomas W., Lebanon, Pa. Educational appliance. 1,766,521; June 24.
- Klinke, Oscar F., assignor to Bates & Klinke, Inc., Attleboro, Mass. Finger ring. Des. 81,342; June 10.
- Klinke, Walter, Zurich, Switzerland. Armored concrete floor. 1,765,797; June 24.
- Klinker, Herman H. D., New York, N. Y. Toy palpitating heart. 1,763,467; June 10.
- Klock, Raymond A. (See Gould, W. S., and Klock.)
- Klock, Raymond A., Closter, N. J., assignor to Gould Storage Battery Company, Inc., New York, N. Y. Radio apparatus. 1,758,003; May 13.
- Klock, Raymond A., Closter, N. J., assignor, by mesne assignments, to Gould Storage Battery Company, Inc., New York, N. Y. Method and apparatus for cooling electrolytic cells and the like. 1,766,026; June 24.
- Klockau, William F., Rock Island, Ill. Control device for heating systems. 1,773,585; Aug. 19.
- Klocke, William, Woodhaven, assignor to E. W. Bliss Company, Brooklyn, N. Y. Toggle drawing press. 1,762,398; June 10.
- Klocke, William, Woodhaven, assignor to E. W. Bliss Company, Brooklyn, N. Y. Power press. 1,781,397; Nov. 11.
- Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing body and making same. 1,753,434; Apr. 8.
- Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making lined bearings. 1,753,435; Apr. 8.
- Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making cylindrical articles from flat blanks. 1,760,558; May 27.
- Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing and making same. 1,760,559; May 27.
- Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Forming integrally-joined sheets of dissimilar metals. 1,772,354; Aug. 5.
- Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Forming integrally-joined sheets of dissimilar metals. 1,772,355; Aug. 5.
- Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making sheet-metal bearings. 1,787,255; Dec. 30.
- Klockman, Otto E., assignor to The Koppers Company, Pittsburgh, Pa. Coke-oven gas connection. 1,775,494; Sept. 9.
- Kloes, F. J., Inc. (See Pease, O. E., and Joseph, assignors.)
- Klöhn, Ernst, Berlin-Wilmersdorf, assignor to the firm Zahn & Co. G. m. b. H., Berlin, Germany. Calcining furnace and operating the same. 1,751,161; Mar. 18.
- Klonaris, John, Kankakee, Ill. Mop holder. 1,748,842; Feb. 25.
- Kloneck, August J., New York, N. Y. Electron-discharge device. 1,742,262; Jan. 7.
- Kloneck, August J., New York, N. Y. Signaling apparatus. 1,778,897; Oct. 21.
- Klopper, Carl A., Berlin-Steglitz, assignor to Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und C. Bamberg-Friedenau, Berlin-Friedenau, Germany. Apparatus for the regulation of combustion in furnaces. 1,757,051; May 6.
- Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Weighing balance. 1,775,246; Sept. 9.
- Klopstock, Hans, Berlin, Germany. Cutting tool. 1,756,516; Apr. 29.
- Kloss, Vitalis M., Minneapolis, Minn. Bottle-capping machine. 1,752,008; Mar. 25.
- Kloss, Ulrich, Berlin, Germany. Direct-current railway system. 1,782,537; Nov. 25.
- Klosterman, Curt W., Chicago, Ill. Vending-machine case. Des. 81,699; July 29.
- Klotz, Lee Dell S., Malvern, assignor to The Whitacre-Greer Fireproofing Company, Waynesburg, Ohio. Kiln bottom. 1,764,025; June 17.
- Klotz, Lyman E., assignor to Electric Tube Signs, Peoria, Ill. Electric-tube display. Des. 81,751; Aug. 5.
- Klotz, Otto, Goppingen, Germany. Manufacture of transparent papers, particularly those used for the packing of edible articles. 1,786,911; Dec. 30.
- Klotz, Russell L., Little Falls, N. J. Chair. 1,785,317; Dec. 16.
- Klouman, Frederick A., Brighthouse, England, assignor, by mesne assignments, to I. P. Morris Corporation. Control means for valves. 1,769,845; July 1.
- Klovra, Josef, Jundiahy, Brazil. Mast. 1,745,577; Feb. 4.
- Kluge, Hans. (See Bauer, G., Walde, and Kluge.)
- Kluge, Kurt, and W. Berthold, Berlin-Halensee, Germany. Perpetual date indicator. 1,755,696; Apr. 22.
- Klugh, Bethune G., Chicago, Ill., assignor to American Ore Reclamation Company, New York, N. Y. Mixing apparatus. 1,778,193; Oct. 14.
- Klugh, Bethune G., Chicago, Ill., assignor to American Ore Reclamation Company, New York, N. Y. Feed control means for bins, hoppers, etc. 1,778,393; Oct. 14.
- Klugh, Ormon L., and T. E. Haverstick, Muncie, Ind. Safety attachment for machine tools. 1,783,476; Dec. 2.
- Klunk, Louis J., assignor to Beaver Saw Filing Machine Co., York, Pa. Saw-filing machine. 1,766,438; June 24.
- Kluppel, George, and G. F. Lincks, Pittsfield, Mass., assignors to General Electric Company. Electrical cut-out. 1,780,133; Oct. 28.
- Kluz, Wladyslaw, Paterson, N. J. Fire-alarm apparatus. 1,746,482; Feb. 11.
- Knap, Thomas S., Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y. Conveyer. 1,772,577; Aug. 12.
- Knappe, Joseph J., assignor to Knappe & Vogt Manufacturing Company, Grand Rapids, Mich. Bracket. 1,760,503; May 27.
- Knappe & Vogt Manufacturing Company. (See Knappe, Joseph J., assignor.)
- Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle radiator cap. Des. 81,698; July 29.
- Knapp Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle radiator cap. Des. 81,700; July 29.
- Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,755,959; Apr. 22.
- Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Window latch. 1,766,910; June 24.
- Knapp, Charles L., Shenandoah, Pa. Windshield wiper. 1,742,357; Jan. 7.
- Knapp, David R., Philadelphia, Pa., assignor, by mesne assignments, to Automatic Drive and Transmission Company, Gloucester City, N. J. Automatic clutch device. 1,765,983; June 24.
- Knapp, Edgar, and C. G. Allgrunn, assignors to Niagara Sprayer Company, Middleport, N. Y. Method and apparatus for the manufacture of litharge. 1,779,003; Oct. 21.
- Knapp, Edward J., La Grange, Ill. Combined mail box, house number, knocker, and light therefor. 1,756,559; Apr. 29.

- Knapp, Edwin R., Summit, N. J., assignor to Copper Plate Sheet and Tube Company, New York, N. Y. Apparatus for handling sheet metal. 1,746,536; Feb. 11.
- Knapp, Frederick E., San Diego, Calif. Radio frequency transformer. 1,759,987; May 27.
- Knapp, Frederick H., Kelso, Wash. Loading jack and clamp. 1,783,294; Dec. 2.
- Knapp, Fred H. Corporation, The. (See Hesson, C. M., and Koch, assignors.)
- Knapp, Fred H., Corporation, The. (See Koch, William J., assignor.)
- Knapp, Jay F., Great Bend, N. Y. Confectioner's appliance. 1,768,259; June 24.
- Knapp, John C., assignor to Otis Elevator Company, New York, N. Y. Ventilating apparatus. 1,767,988; June 24.
- Knapp, Mildred C., Chicago, Ill. Candy doll. Des. 81,245; May 27.
- Knapp-Monarch Company. (See Johnson, Ernst S., assignor.)
- Knapp-Monarch Company. (See Starr, Alden B., assignor.)
- Knapp, Sherman E., et al., trustees. (See Shaw, Ai B., assignor.)
- Knapp, Walter R., Syracuse, assignor to Semet-Solvay Company, New York, N. Y. Diluting coke-oven gas with flue gas. 1,772,101; Aug. 5.
- Knapp, William, Hollis, N. Y. Ceiling electric-light fixture. 1,748,352; Feb. 25.
- Knapp, William D., assignor of one-half to G. Dawsett, San Francisco, Calif. Spraying machine. 1,759,988; May 27.
- Knappe, Paul, Chemnitz, Germany, assignor to firm: Gebrüder Ludwig Maschinenfabrik, Gruna i Sa., Germany. Liquid pump for the purpose of spinning mills. 1,776,031; Sept. 16.
- Knapton, Ezra. (See Morgan, W. D., and Knapton.)
- Knauber, Alexander M., Chicago, Ill. Light-coloring screen. 1,754,896; Apr. 15.
- Knaus, William A., Oneida, N. Y., assignor to National Casket Company. Burial casket. 1,746,195; Feb. 4.
- Knauss, Calvin A. (See Gardner, H. A., and Knauss.)
- Kneass, Strickland, jr., Sewickley, assignor to Costello Engineering Company, Pittsburgh, Pa. Valve. 1,782,970; Nov. 25.
- Knecht, Emil, Erkner, near Berlin, Germany, assignor, by mesne assignments, to Dual Motors Ltd., London, England. Adjustable winding spindle for spring motors. 1,763,792; June 17.
- Knecht, Emil, Erkner, near Berlin, Germany, assignor to E. D. Feldman, New York, N. Y. Demountable electric motor. 1,778,678; Oct. 14.
- Knecht, Karl K., Evansville, Ind. Producing drawings. 1,753,344; Apr. 8.
- Knechtel, Emerald W., Bell, Calif. Advertising sign and the like. 1,781,727; Nov. 18.
- Knechtel, Maxwell McM., New York, N. Y. Plotting instrument. 1,746,537; Feb. 11.
- Knee, Aaron A., assignor to The Lance Packing Company, Charlotte, N. C. Bag for bulk edibles and the like. 1,764,569; June 17.
- Kneen, Everett H., Ansonia, Conn. Spool or reel. 1,758,229; May 13.
- Kneen, Herbert L., Hamden, Conn. Tire support. 1,762,994; June 10.
- Knefel, Stanley C., St. Louis, Mo. Boiler return and vacuum trap. 1,783,381; Dec. 2.
- Kneier, Joseph, assignor to The Vlchek Tool Company, Cleveland, Ohio. Socket-wrench set. 1,750,011; Mar. 11.
- Kneip, John B., Seattle, Wash. Position finder. 1,775,563; Sept. 9.
- Kneif, Johann, Mahr, Schonberg, Czechoslovakia. Producing artificial marble. 1,755,399; Apr. 22.
- Knerr, Horace C., Philadelphia, Pa. Method of and apparatus for heat treating magnetizable metals. 1,779,604; Oct. 28.
- Kness, Austin E., assignor to C. Kness, Audubon, Iowa. Animal trap. 1,758,952; May 20.
- Kness, Clara. (See Kness, Austin E., assignor.)
- Knettles, Harry R. (See Fultz, M. E., and Knettles.)
- Knez, Anna, Detroit, Mich. Key fastener. 1,775,247; Sept. 9.
- Knickerbocker Company, The. (See Knickerbocker, William B., assignor.)
- Knickerbocker, William B., Jackson, Mich., assignor to The Knickerbocker Company. Liquid-metering tank. 1,767,244; June 24.
- Kniel, Ludwig, Walnut Park, Calif. Floating roof for storage tanks. 1,744,640; Jan. 21.
- Kniep, Henry F., and A. List, Buhl, Idaho. Harvester. 1,759,263; May 20.
- Kniepert, Karl, Vienna, Austria. Brick or block for regenerators. 1,753,467; Apr. 8.
- Kniesel, Richard, assignor to Bamag-Meguig A.-G., Berlin, Germany. Filter. 1,751,819; Mar. 25.
- Knigge, Otto C., Mount Vernon, N. Y. Refuse-collection vehicle. 1,775,726; Sept. 16.
- Knight American Patents Company, The. (See Knight, Charles Y., assignor.)
- Knight, B. B. & R., Corporation. (See Picard, Stanislas, assignor.)
- Knight, B. B. & R., Corporation. (See Watson, John C., assignor.)
- Knight, Charles S. (See Evans, Joseph E., assignor.)
- Knight, Charles T., Denver, Colo. Ore furnace. 1,764,313; June 17.
- Knight, Charles Y., Pasadena, Calif. Bearing construction. 1,744,048; Jan. 21.
- Knight, Charles Y., Pasadena, Calif., assignor to Knight American Patents Company, Chicago, Ill. Metallic packing and method of construction. 1,750,320; Mar. 11.
- Knight, Charles Y., Pasadena, Calif., assignor to Knight & Kilbourne Development Co., Chicago, Ill. Internal-combustion engine. 1,750,321; Mar. 11.
- Knight, Charles Y., Pasadena, Calif., assignor to The Knight American Patents Company, Chicago, Ill. Piston for motors. 1,759,510; May 20.
- Knight, Charles Y., Pasadena, Calif., assignor to The Knight American Patents Company, Chicago, Ill. Sleeve valve. 1,769,225; July 1.
- Knight, Charles Y., Pasadena, Calif., assignor to The Willys-Overland Company, Toledo, Ohio. Lubricator. 1,771,128; July 22.
- Knight, Chester, New York, N. Y. Serving table. 1,759,749; May 20.
- Knight, Curtis E. (See Grayson, G. L., and Knight.)
- Knight, Donald B. (See Lenning, A., and Knight.)
- Knight, Donald B., Brooklyn, N. Y. Refrigeration. 1,748,957; Mar. 4.
- Knight, Floyd A., and C. E. Rowe, Cedar Rapids, Iowa. Meat-washing machine. 1,756,517; Apr. 29.
- Knight, Fred E. (See Grundon, G. F., and Knight.)
- Knight, George D. (See Libby, G. N., and Knight.)
- Knight, George H., assignor to The Hendey Machine Company, Torrington, Conn. Unit construction and two-speed driving-gear arrangement for crank-shaping machines. 1,762,062; June 3.
- Knight, George H., assignor to The Hendey Machine Company, Torrington, Conn. Mechanical movement. 1,762,063; June 3.
- Knight, George W., Milwaukee, Wis. Voltage cut-out device. 1,758,749; May 13.
- Knight, Harley, Shadyside, Ohio. Joint for steering mechanisms. 1,757,371; May 6.
- Knight, Herbert M., Montclair, N. J. Structural element. 1,752,671; Apr. 1.
- Knight, Ira W. (See Loepsinger, A. J., and Knight.)
- Knight, Ira W., Providence, R. I., assignor to Detex Watchclock Corporation, New York, N. Y. Supervisory mechanism. 1,786,015; Dec. 23.
- Knight, John M., Atlantic Highlands, and V. Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y. Railway-car seat. 1,766,079; June 24.
- Knight, John M., Atlantic Highlands, and Victor Willoughby, Ridgewood, assignors to American Car and Foundry Company, New York, N. Y. Car seat. 1,784,527; Dec. 9.
- Knight, Julian G., Brooklyn, N. Y. Outlet or junction box. 1,761,398; June 3.
- Knight, Julian G., Brooklyn, N. Y. Fixture support. 1,762,995; June 10.
- Knight, Julian G., Brooklyn, N. Y. Outlet or junction box or the like. 1,763,160; June 10.
- Knight, Julian G., Brooklyn, N. Y. Outlet or junction box. 1,771,225; July 22.
- Knight & Kilbourne Development Co. (See Knight, Charles Y., assignor.)
- Knight, Marjorie T., Des Moines, Iowa. Lamp shade. Des. 82,266; Oct. 14.
- Knight, Marjorie T., Des Moines, Iowa. Lamp shade. Des. 82,267; Oct. 14.
- Knight, Merle, Flint, Mich. Automobile signal. 1,745,372; Feb. 4.
- Knight, Octavius, Westfield, N. J. Nonregenerative radio circuits. 1,782,993; Nov. 25.
- Knight, Ralph F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wood-heel-making machine. 1,755,400; Apr. 22.
- Knight, Ronald F., Ramsey, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Railway driving-wheel crank-pin device. 1,762,337; June 10.
- Knight, Samuel H., Lancaster, Pa., assignor to Follmer, Clogg and Company. Aviator's harness. 1,769,520; July 1.
- Knight, Troy J., Golden, Ill. Farm gate. 1,783,508; Dec. 2.
- Knight, William L., Greensburg, Ind. Lubricator for car journals. 1,766,387; June 24.
- Knipe, Arthur C., Westminster, London, assignor to Modern Concrete Development Company Limited, London, England. Manufacture of cement concrete and apparatus for use therewith. 1,766,911; June 24.
- Knipe, Henry H. (See Barbour, R. M., and Knipe.)
- Knipp, Lynn A., Los Angeles, Calif. Rotary cabinet. 1,784,293; Dec. 9.
- Knirnschild, Laverne C. (See Schwalm, Rudolph H., assignor.)
- Knischewsky, Emil O., Hamilton, Ontario, Canada. Hockey pad. 1,758,260; May 13.
- Knittel, Paul S., Jersey City, N. J. Method and apparatus for disposing of refuse. 1,772,285; Aug. 5.
- Knoche, Rudolf. (See Hentrich, W., Hardtmann, and Knoche.)
- Knochenbauer, Wolfgang, Wernigerode, Germany. Internal-combustion engine. 1,767,932; June 24.
- Knodel, Oliver M., Winnetka, assignor to United States Gypsum Company, Chicago, Ill. Plaster-wall-board construction. 1,754,429; Apr. 15.
- Knodell, Emily R., St. John, New Brunswick, Canada. Adhesive. 1,745,017; Jan. 28.

- Knoedler, Alphonse, South Orange, N. J. Umbrella handle or similar article. Des. 81,985; Sept. 9.
- Knoell, Walter E., Tacoma, Wash. Sleeping-car construction. 1,773,269; Aug. 19.
- Knoepfle, Daniel, Woodlawn, and S. R. Feldman, McKeesport, Pa. Terminal connector. 1,742,865; Jan. 7.
- Knoerschild, William C., assignor to Milwaukee Tanning & Clothing Company, Milwaukee, Wis. Coat. 1,763,892; June 17.
- Knoll A.-G., Chemische Fabriken. (See Hildebrandt, G., Leube, and Biehler, assignors.)
- Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronizing system. 1,747,248; Feb. 18.
- Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timing circuit. 1,753,345; Apr. 8.
- Knopf, Carl L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Gear-lubricant-testing machine. 1,748,512; Feb. 25.
- Knopf, Carl L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Gear-lubricant-testing machine. 1,748,513; Feb. 25.
- Knopp, Henry J. (See Emmes, F. C., and Knopp.)
- Knopp, Julius W., Toledo, Ohio. Violin-bow attachment. 1,763,660; June 17.
- Knopp, Rudolph, Brooklyn, N. Y. Phonograph record and treating same. 1,761,212; June 3.
- Knorpp, Philip J., Wilmette, Ill. Candle holder. Des. 81,653; July 22.
- Knorr, Angelo, Berlin, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Solution of cellulose derivatives. 1,780,883; Nov. 4.
- Knorr, Angelo, Berlin, and A. Weissenborn, Potsdam, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Di-isopropyl carbonyl compound. 1,776,154; Sept. 16.
- Knorr-Bermse A. G. (See Kollinek, Theodor, assignor.)
- Knoth, Georg, Hamburg, Germany. Manufacture of soldering pastes. 1,772,952; Aug. 12.
- Knoth, Hilary G., Detroit, Mich. Paper holder. 1,786,250; Dec. 23.
- Knott, Frank W., assignor to Knott & Garllus Company, Detroit, Mich. Massaging-machine cabinet. 1,783,170; Nov. 25.
- Knott, Frank W., assignor to Knott & Garllus Company, Detroit, Mich. Electric massaging machine. 1,783,171; Nov. 25.
- Knott & Garllus Company. (See Knott, Frank W., assignor.)
- Knott, Harry H., assignor to American Pearl Button Company, Washington, Iowa. Saw-setting device. 1,786,071; Dec. 23.
- Knott, Warren E., Grand Rapids, Mich., assignor to Pioneer Pearl Button Company, Poughkeepsie, N. Y. Self-adjusting plug support. 1,761,731; June 3.
- Knotwell, Glenn R. (See Skelton, E. W., and Knotwell.)
- Knourek, William M., River Forest, Ill. Mortising tool. 1,785,351; Dec. 16.
- Knowland, Richard G., Wollaston, and G. T. Loveridge, Boston, Mass., assignors to Nashua Manufacturing Company, Nashua, N. H. Producing a wool finish on cotton goods. 1,751,089; Mar. 18.
- Knowland, Thomas M. (See Glidden, A. A., and Knowland.)
- Knowland, Thomas M. (See Glidden, A. A., Knowland, and Duffy.)
- Knowland, Thomas M. (See Glidden, A. A., Knowland, and Dow.)
- Knowlton, Cutler D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Forming material. 1,786,496; Dec. 30.
- Knowles, Albert, San Francisco, Calif. Mixing apparatus. 1,777,002; Sept. 30.
- Knowles, Albert E., Heswall, England. Gas washer for electrolytic apparatus. 1,767,292; June 24.
- Knowles, Albert E., Heswall, England. Electrolytic apparatus. 1,767,375; June 24.
- Knowles, Alexander S., assignor to Tar & Petroleum Process Company, Chicago, Ill. Tunnel nozzle for rectangular coke ovens. 1,745,996; Feb. 4.
- Knowles, Elbert B. (See Phelan, John A., assignor.)
- Knowles, Fred L., Fort Dodge, Iowa. Orthopedic table. 1,747,174; Feb. 18.
- Knowles, Fred L., Fort Dodge, Iowa. Sunshine crib. 1,776,440; Sept. 23.
- Knowles, Silas A., Denver, Colo. Material-handling apparatus. 1,758,750; May 13.
- Knowles, Silas A., Denver, Colo. Grinding or pulverizing machine. 1,772,150; Aug. 5.
- Knowlson, James S., Hinsdale, assignor to Speedway Manufacturing Company, Chicago, Ill. Electric power device. 1,782,927; Nov. 25.
- Knowlson, James S., Hinsdale, assignor to Speedway Manufacturing Company, Cicero, Ill. Humidifier. 1,782,928; Nov. 25.
- Knowlton, Charles E. (See Crompton, R., and Knowlton.)
- Knowlton, Cutler D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for forming material. 1,773,907; Aug. 26.
- Knowlton, Cutler D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Forming machine. 1,773,908; Aug. 26.
- Knowlton, Harry N., and E. F. Lau, Chicago, Ill., assignor by mesne assignments, to Signode Steel Strapping Company. Bulk binding. 1,772,902; Aug. 12.
- Knowlton, Lou F. (See Shea, Thomas J., assignor.)
- Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,746,262; Feb. 11.
- Knowlton, Norwood H. (See Jorgensen, J. C., and Knowlton.)
- Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for trimming the top lifts of heels. 1,747,305; Feb. 18.
- Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for trimming heel covers. 1,777,314; Oct. 7.
- Knox, George W., Oklahoma City, Okla. Conductor for oil-well heaters. 1,764,213; June 17.
- Knox, Harry A., Davenport, Iowa. Suspension for track-laying vehicles. 1,744,229; Jan. 21.
- Knox, Harry A., Davenport, Iowa. Endless track for tracklaying vehicles. 1,774,797; Sept. 2.
- Knox, Harry A., and B. F. Baker, Davenport, Iowa. Transmission. 1,757,052; May 6.
- Knox, Harry A., and B. F. Baker, Davenport, Iowa. Steering-control system for vehicles. 1,785,738; Dec. 23.
- Knox, Harry G., assignor to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 1,781,017; Nov. 11.
- Knox, Jean H., assignor of one-half to Associated Factories Corporation, Dallas, Tex. Expansion joint in concrete pavements. 1,755,219; Apr. 22.
- Knox, Luther L., Bellevue, assignor to Knox Products Company, Pittsburgh, Pa. Making compound wall structures. 1,746,596; Feb. 11.
- Knox Products Company. (See Knox, Luther L., assignor.)
- Knox, Robert, Toronto, Ontario, Canada. Glove drier. 1,755,605; Apr. 22.
- Knox, Robert F., Atlanta, Ga. Roof flashing. 1,750,526; Mar. 11.
- Knox, Walter B., Pittsburgh, Pa. Brush. 1,768,695; July 1.
- Knudsen, Carl H., New York, N. Y. Shaft mounting and coupling for engines and cooperative parts. 1,750,044; Mar. 11.
- Knudsen, Carl H., Brooklyn, N. Y. Governor control. 1,753,436; Apr. 8.
- Knudsen, Joachim R. M. (See Hankins, O. R., and Knudsen.)
- Knudsen, Knud, Danbury, Conn. Push-button-switch construction. 1,779,133; Oct. 21.
- Knudsen, Rolf. (See Goldschmidt, V. M., and Knudsen.)
- Knudson, Jalmer, Minneapolis, Minn. Locomotive nozzle restrictor. 1,751,820; Mar. 25.
- Knudson, Knud, Danbury, Conn., assignor to The Danbury Electric Manufacturing Company. Smoker's appliance. Des. 82,268; Oct. 14.
- Knupp, Harry E., assignor to Caille Motor Company, Detroit, Mich. Scale. Des. 82,748; Dec. 9.
- Knuth, Edward C. (See Palm, J. V. O., and Knuth.)
- Knuth, Hermann. (See Ackermann, H., Langenheim, and Knuth.)
- Knutsen, Elmer, Bellingham, Wash. Laundry drier. 1,756,366; Apr. 29.
- Knutson, Carl, Charleston, S. C. Copyholder. 1,746,732; Feb. 11.
- Knutson, Carl L., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Snap fastener. 1,776,512; Sept. 23.
- Knutson, Carl L., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Snap fastener. 1,776,513; Sept. 23.
- Knutson, George O. (See McLelland, W. H., and Knutson.)
- Knutsson, Tillferd P. (See Franklin, Ralph E., assignor.)
- Knutsson, Karl E., Arbra, assignor to A. Johansson, Stockholm, Sweden. Antiskid chain. 1,742,655; Dec. 7.
- Kny-Petty Mfg. Co. (See Petty, William S., assignor.)
- Kny-Scheerer Corporation of America, The. (See Akers, Herbert S., assignor.)
- Kny-Scheerer Corporation of America, The. (See Galowitz, Gustave A., assignor.)
- Kny-Scheerer Corporation. (See Holmes, Walter G., assignor.)
- Kny-Scheerer Corporation of America, The. (See Lindberg, Ernest O., assignor.)
- Kny-Scheerer Corporation. (See Okun, Joseph H., assignor.)
- Kobel, Ernest. (See Kubler, J., and Kobel.)
- Kobe, Inc. (See Coberly, Clarence J., assignor.)
- Kobe, Incorporated. (See Coberly, Clarence J., assignor.)
- Kobel, Ernst. (See Gaudenzi, A., and Kobel.)
- Kobel, Ernst, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Mercury-vapor vacuum pump. 1,766,651; June 24.
- Kober, Philip A., Chicago, Ill. Making dialyzing and pervaporating membranes and product produced thereby. 1,779,942; Oct. 28.
- Köberle, Karl. (See Kunz, M. A., and Köberle.)
- Kobernik, Julius E., Los Angeles, Calif. Duplex bubble cap. 1,776,032; Sept. 16.
- Kobernik, Julius E., Los Angeles, Calif. Bubble cap. 1,776,033; Sept. 16.

- Kobert, Frank P., Pelham Manor, N. Y. Electric rivet heater. 1,743,609; Jan. 14.
- Koch, Charles D., Torressdale, assignor to Keystone Aircraft Corporation, Bristol, Pa. Refrigerator for moving vehicles. 1,770,276; July 8.
- Koch, Edwin. (See Lappe, F., Koch, Pier, and Sauer.)
- Koch, Edwin W., Tremont, Ill. Dice box. 1,781,983; Nov. 18.
- Koch, Emil E., Stanton, Nebr. Tongue extension. 1,751,700; Mar. 25.
- Koch, Fred C. (See Winkler, L. E., and Koch.)
- Koch, Frederick W., Oakland, Calif. Alloy block for soldering. 1,750,671; Mar. 18.
- Koch, Fritz, St. Paul, Minn. Hollow tile for building purposes. 1,764,798; June 17.
- Koch, Fritz, St. Paul, Minn. Burning pulverized fuel. 1,766,652; June 24.
- Koch, George P., Martinez, assignor to Shell Oil Company, San Francisco, Calif. Producing gasoline from cracked distillates. 1,742,263; Jan. 7.
- Koch, Gustav H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-controlling mechanism. 1,757,637; May 6.
- Koch, Gustav H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gear-reduction mechanism. 1,764,814; June 17.
- Koch, John C., Petersburg, Nebr. Cultivator. 1,776,693; Sept. 23.
- Koch, Lawrence E., and H. F. Dever, assignors, by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind. Actuator for controlling devices. 1,780,302; Nov. 4.
- Koch, Samuel, Brooklyn, N. Y. Position brake for sewing machines. 1,774,978; Sept. 2.
- Koch & Sterzel, Aktiengesellschaft. (See Fischer, Franz J., assignor.)
- Koch & Sterzel Aktiengesellschaft. (See Klemm, Hans, assignor.)
- Koch & Te Kock. (See Liebender, Gottlieb, assignor.)
- Koch, Theodoor, Arnhem, Netherlands. Preparing artificial textile products with reduced luster from viscose. 1,781,018; Nov. 11.
- Koch, Theodoor, assignor to Algemeene Kunstzijde unie Naamloze Vennootschap, Arnhem, Netherlands. Preparing artificial textile products with reduced luster. 1,784,014; Dec. 9.
- Koch, William, Los Angeles, Calif. Automatic door control. 1,749,186; Mar. 4.
- Koch, William C., St. Paul, Minn. Building construction. 1,764,729; June 17.
- Koch, William C., St. Paul, Minn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Machine for automatically selecting groups of classified accounts. 1,746,704; Feb. 11.
- Koch, William J. (See Hesson, C. M., and Koch.)
- Koch, William J., Midland Park, assignor to The Fred H. Knapp Corporation, Ridgewood, N. J. Conveyer mechanism. 1,768,482; June 24.
- Kochendoerfer, Gerd, assignor to Deutsche Gold & Silber Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Introduction of iodine into pyridine derivatives. 1,753,170; Apr. 1.
- Kochendoerfer, Gerd, assignor to Deutsche Gold- & Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Preparation of sulphur compounds of pyridine. 1,753,658; Apr. 8.
- Kocher, Alfred C., assignor to West Bend Aluminum Company, West Bend, Wis. Clamping device for covers of cooking vessels. 1,769,696; July 1.
- Kocher, Jacques J., Chicago, Ill. Sound-deadening device. 1,745,171; Jan. 28.
- Kochka, Norbert F., Chicago, Ill. Switch and indicator. 1,761,348; June 3.
- Köchling, Wilhelm, Berlin-Waldmannslust, Germany, assignor to General Electric Company. Transformer. 1,761,732; June 3.
- Kochs, Theo. A., Company. (See Haerman, Maximilian C., assignor.)
- Kochs, Theo. A., Company. (See Parchmann, Harry P., assignor.)
- Kock, Hans, Lubeck, Germany. Fermenting vat. 1,764,841; June 17.
- Kocks, Fritz, Dusseldorf, Germany. Process of and apparatus for expanding blanks by rolling. 1,778,111; Oct. 14.
- Kocourek, Henry, and L. Aeby, Chicago, Ill. Connection and valve fitting for automobile water-circulating systems. 1,765,984; June 24.
- Kocourek, Henry, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Electric laundry iron. 1,776,947; Sept. 30.
- Kocourek, William, and S. Minarik, Chicago, Ill. Hair clipper. 1,745,997; Feb. 4.
- Kodama, Kazuo, Petersburg, Alaska. Telephone-receiver mounting. 1,749,289; Mar. 4.
- Kodel Radio Corporation, The. (See Ogden, Clarence E., assignor.)
- Koeb, Emil. (See Goldsmith, B. J., Koeb, and Brlechle.)
- Koerber, Edward, Chicago, Ill. Abdominal truss. 1,773,147; Aug. 19.
- Koehling, Charles D. (See Bowne, L. J., and Koehling.)
- Koehling, Charles D., Brooklyn, and G. V. King, Jamaica, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,763,161; June 10.
- Koeck, William, Oshkosh, Wis. Luggage carrier. 1,761,213; June 3.
- Koeck, William, Oshkosh, Wis. Luggage carrier. 1,761,214; June 3.
- Koehl, John W., C. Palkowski, and S. Wagner, Los Angeles, Calif. Automatic boring machine. 1,755,401; Apr. 22.
- Koehler, Adolf R. (See Peterson, Alfred L., assignor.)
- Koehler, Andrew R., Buffalo, N. Y. Plate-stacking mechanism. 1,761,632; June 3.
- Koehler Chemical Company, The. (See Koehler, William, assignor.)
- Koehler, Conrad R., Toronto, Ontario, Canada. Wheel. 1,750,478; Mar. 11.
- Koehler, Frank G., St. Louis, Mo. Truck. 1,749,978; Mar. 11.
- Koehler Manufacturing Company. (See Howard, Emory G., assignor.)
- Koehler Manufacturing Company. (See Wheat, Grant, assignor.)
- Koehler, Marcel, Paris, assignor to Société Anonyme: Graissage "Alcyl." Levallois-Perret, Seine, France. Distribution conduit for lubrication systems. 1,770,474; July 15.
- Koehler, Marcel Levallois-Perret, assignor to Société Anonyme: Graissage "Alcyl." Levallois-Perret, Seine, France. Apparatus for lubrication by means of capillary elements. 1,784,732; Dec. 9.
- Koehler, William, Cleveland, Ohio. Disintegration of matter. 1,746,731; Feb. 11.
- Koehler, William, Cleveland, assignor to The Koehler Chemical Company, Akron, Ohio. Feathery copper powder and producing the same. 1,777,371; Oct. 7.
- Koehn, Nathaniel, Oakland, Calif. Oscillating air engine. 1,769,372; July 1.
- Koehne, Jack W. L., Chicago, Ill. Photographic camera. 1,755,220; Apr. 22.
- Koehring Company. (See Brey, Harold E., assignor.)
- Koehring Company. (See Daniel, John, assignor.)
- Koehring Company. (See Holcomb, Alpheus E., assignor.)
- Koehring Company. (See Koehring, Philip A., assignor.)
- Koehring Company. (See Lichtenberg, Erich H., assignor.)
- Koehring Company. (See Lichtenberg, E. H., and Pearson, assignors.)
- Koehring Company. (See Piispanen, Väinö, assignor.)
- Koehring Company. (See Robb, John F., assignor.)
- Koehring Company. (See Russell, Leslie A., assignor.)
- Koehring Company. (See Trester, Herauld A., assignor.)
- Koehring Company. (See Webb, George E., assignor.)
- Koehring Company. (See Yohe, P. P., and Christle, assignors.)
- Koehring, Philip A., assignor to Koehring Company, Milwaukee, Wis. Combined concrete-mixer truck body and frame. Des. 81,010; Apr. 22.
- Koehring, Philip A., assignor to Koehring Company, Milwaukee, Wis. Subgrade preparing, concrete distributing, and finishing machine. 1,755,653; Apr. 22.
- Koehring, Roland P., Dayton, Ohio, and C. R. Short, Detroit, Mich., assignors to The Moraine Products Company, Dayton, Ohio. Drying metal powders. 1,761,016; June 3.
- Koelliker, George P. (See Bensing, Le Rue P., assignor.)
- Koeln, Christian C. (See Davis, E. E., and Koeln.)
- Koeln, Christian C., assignor, by mesne assignments, to Davis Boring Tool Company, St. Louis, Mo. Expansion boring tool. 1,768,962; July 1.
- Koelpin, William F., Milwaukee, Wis., assignor to International Harvester Company. Spot-welding machine. 1,768,987; July 1.
- Koenen, Henry J., Clara City, Minn. Windmill power for washing machines. 1,763,529; June 10.
- Koenig, Joseph, Kampsville, Ill. Wire-straightening apparatus. 1,743,221; Jan. 14.
- Koenig, Joseph, deceased, Manitowoc, Wis.; R. Koenig and R. K. Ellis, administrators. Hot-air engine. 1,760,415; May 27.
- Koenig, Remus, et al., administrators. (See Koenig, Joseph.)
- Koenig, Remus, and W. S. Marvin, assignors to Metal Ware Corporation, Two Rivers, Wis. Electric percolator. 1,753,863; Apr. 8.
- Koeniger, Karl W., Orange, N. J. Machine for operating upon hides, skins, and leather. 1,772,775; Aug. 12.
- Koenigsberger, Johann G., Freiburg, Germany. Locating salt or rock layers. 1,743,358; Jan. 14.
- Koenigsmark, Alois J. (See Kopp, Philip L., assignor.)
- Koennecke, A. H., et al. (See MacDonald, Joel W., assignor.)
- Koepke, Carl J. (See Coons, Uzal E., assignor.)
- Koepke, Henry G., Chicago, Ill., assignor by mesne assignments to Standard Brands Incorporated, Dover, Del. Centrifugal separator. 1,760,071; May 27.
- Koeppe, Albert F., St. Louis, Mo. Clamping apparatus for shoe heels. 1,781,690; Nov. 18.
- Koepsell, August J., Mayville, Wis. Grate. 1,781,331; Nov. 11.
- Koerber, John C., South Orange, N. J. Truck for toy vehicles. 1,749,384; Mar. 4.
- Koerber, John C., South Orange, N. J. Toy railway signaling system. 1,750,322; Mar. 11.
- Koerber, John C., South Orange, N. J. Track structure for toy electric railways. 1,779,605; Oct. 28.
- Koering, Eustachius W., Vineland, N. J. Vitreous towel bar. 1,773,586; Aug. 19.

- Koerner, Louis T. (See Merkley, Edwin J., assignor.)
 Koerner, John, Brooklyn, N. Y. Permanent-wave beautifier. 1,783,881; Dec. 2.
 Koester, Gustav A., Battle Creek, Nebr. Oilcloth rack and measurer. 1,743,923; Jan. 14.
 Koeth, Charles E., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Display device for jewelry. 1,762,478; June 10.
 Koethen, Frederick L., assignor to Acheson Graphite Company, Niagara Falls, N. Y. Lubricant. 1,758,446; May 13.
 Koettgen, Carl, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Switch. 1,747,445; Feb. 18.
 Koffer, Albert E., assignor to Delco-Remy Corporation, Dayton, Ohio. Lock switch. 1,785,906; Dec. 23.
 Kögel, Gustav, Karlsruhe, Germany. Light-sensitive layer and preparing it. 1,776,155; Sept. 16.
 Kohl, Aaron W., assignor of one-half to L. D. Burt, Denver, Colo. Automatic door. 1,744,641; Jan. 21.
 Kohl, Charles A., assignor to St. Louis Butcher's Supply Co., St. Louis, Mo. Apparatus for and method of refrigeration. 1,764,267; June 17.
 Kohl, Emil. (See Jauss, Louis, assignor.)
 Kohl, Paul, assignor to Anko Chimney Cleaning Machine Company, Wausau, Wis. Chimney cleaner. 1,770,338; July 8.
 Kohlberger, Frank, Whitestone, assignor to International Motor Company, New York, N. Y. Full-vision windshield. 1,743,147; Jan. 14.
 Kohlberger, Frank, Whitestone, L. I., assignor to International Motor Company, New York, N. Y. Track for tracklaying vehicles. 1,760,504; May 27.
 Köhler, August, assignor to the firm of Carl Zeiss, Jena, Germany. Illuminating device. 1,758,049; May 13.
 Kohler Company. (See Brotz, Frank G., assignor.)
 Kohler Company. (See Kohler, H. V., Brotz, and Thorkelson, assignors.)
 Kohler, Clifford J., Wauwatosa, Wis. Concrete-form holder. 1,755,960; Apr. 22.
 Kohler, Gustavus A. E. (See Rust, James E., assignor.)
 Kohler, Hans. (See Herbst, E., and Kohler.)
 Kohler, Herbert V., Sheboygan, F. G. Brotz, and H. J. Thorkelson, assignors to Kohler Company, Kohler, Wis. Radiator section. Des. 81,986; Sept. 9.
 Kohler-Liebich Co., The. (See Liebich, Otto H., assignor.)
 Kohler, Paul, Pforzheim, Germany. Multicolor pencil. 1,786,434; Dec. 30.
 Kohler, Robert L., Los Angeles, Calif., assignor of one-twentieth to M. S. Kielsgard, Fairfax, Va. Noncurling elastic lace for wearing apparel. 1,770,786; July 15.
 Kohler, Ulrich, assignor to Hasler A.-G., vormalts Telegraphenwerkstatte von G. Hasler, Bern, Switzerland. Arresting and releasing device of machines for stamping postage on letters and the like. 1,744,556; Jan. 21.
 Kohler, Ulrich, assignor to Hasler A.-G., vormalts Telegraphenwerk-Statte von G. Hasler, Bern, Switzerland. Control device of currency-stamping machines having counting mechanism. 1,786,251; Dec. 23.
 Köhler, Wilhelm. (See Meiser, J., and Köhler.)
 Kohler, Wilhelm, Elberfeld, assignor to Bruninghaus & Co., Barnen-Wichlinghausen, Germany. Method of and apparatus for sealing the ends of fastening strings, wires, and the like. 1,758,669; May 13.
 Köhler, Willem C., Amsterdam, Netherlands. Metal section for sheet piling. 1,771,224; July 22.
 Kohlhepp, John W., assignor to The Allbright-Nell Company, Chicago, Ill. Dehairing machine. 1,754,562; Apr. 15.
 Kohlhepp, John W., assignor to The Allbright-Nell Company, Chicago, Ill. Apparatus for dehairing hogs. 1,758,048; May 13.
 Kohlman, Henry, St. Paul, Minn. Hinge attachment for kitchen utensils. 1,753,990; Apr. 8.
 Kohlmeier, Elmer. (See Kohlmeier, Emma, assignor.)
 Kohlmeier, Emma, assignor of one-half to E. Kohlmeier, Manitowoc, Wis. Window screen. 1,769,264; July 1.
 Kohlmeier, Gustav, assignor of one-half to O. Ribbeck, Manitowoc, Wis. Dust collector. 1,769,182; July 1.
 Kohn, George J. (See Clark, Arthur R., assignor.)
 Kohn, Koby, New York, N. Y. Removable receptacle closure. 1,762,689; June 10.
 Kohn, Max A., Harrisburg, Pa. Hand-pump sprayer. 1,783,882; Dec. 2.
 Kohn, Samuel, assignor to Wonda Phonograph Co., Inc., New York, N. Y. Automatic sound-reproducing machine. 1,754,897; Apr. 15.
 Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Price tag. 1,770,410; July 15.
 Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Price tag. 1,779,241; Oct. 21.
 Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Price tag. 1,780,488; Nov. 4.
 Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Price-marking tag. 1,780,753; Nov. 4.
 Kohnstamm, H., & Co. (See Phair, Robert A., assignor.)
 Koborn, Oscar & Co. (See Jäger, Alwin, assignor.)
 Kohout, Addison. (See Gosch, W. H., and Kohout.)
 Kohout, George A., Chicago, Ill. Power-feed stoker. 1,752,801; Apr. 1.
 Kohr, Elton D., York, Pa. Freezing apparatus. 1,772,424; Aug. 5.
 Kohr, Elton D., assignor to Kohr's Custard Stores, Inc., York, Pa. Frozen-product machine front. Des. 82,094; Sept. 23.
 Kohr, Elton D., York, Pa. Mold for forming cones for ice cream and frozen custard. 1,783,798; Dec. 2.
 Kohr, Elton D., York, Pa. Mold for forming cones for ice cream and frozen custard. 1,783,799; Dec. 2.
 Kohr, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake-operating means. 1,760,908; June 3.
 Kohr, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,781,691; Nov. 18.
 Kohr's Custard Stores, Inc. (See Kohr, Elton D., assignor.)
 Koizumi, Masutaro, Prosser, Wash. Adjustable combination broom and mop. 1,778,325; Oct. 14.
 Kokatnur, Vaman R. (See Stoddard, W. B., Townsend, and Kokatnur.)
 Kokatnur, Vaman R., New York, N. Y. Manufacture of embroidery, lace, and similar artistic products. 1,748,698; Feb. 25.
 Kokatnur, Vaman R., New York, N. Y. Anhydrous soap gels and making same. 1,753,659; Apr. 8.
 Kokay, Stephen, Chicago, Ill. Clamp. 1,749,491; Mar. 4.
 Koken Companies. (See Carter, Lionel A., assignor.)
 Koken Companies. (See Carter, L. A., and Steinmetz, assignors.)
 Koken, Walter F., Webster Groves, Mo. Physician's chair. Des. 80,443; Feb. 4.
 Kolano, Lawrence, and T. Palka, Wyandotte, Mich. Window screen. 1,760,416; May 27.
 Kolar, Anthony, New York, N. Y. Ash receptacle. Des. 81,137; May 13.
 Kolar, Anthony, New York, N. Y. Ash receiver. 1,744,123; Jan. 21.
 Kolar, Henry, Exeter, Nebr. Agitator for washing machines. 1,762,660; June 10.
 Kolath, Francis C., Chicago, Ill. Portable electric lamp. 1,771,640; July 29.
 Kolb, Charles F., Chicago, Ill. Door bed. 1,753,270; Apr. 8.
 Kolb, Frederick A., Newark, N. J., assignor to Geisman, Muslinor & Brightman, Inc., New York, N. Y. Leather or similar article. Des. 80,320; Jan. 14.
 Kolb, George F. (See Bullard, E. P., jr., and Kolb.)
 Kolb, Hans F., Chicago, Ill. Burglar alarm. 1,776,156; Sept. 16.
 Kolb, Louis J. (See Hackett, R. W., and Worall, assignors.)
 Kolbe, Robert E., Erie, Pa. Apparatus for freezing materials. 1,777,094; Sept. 30.
 Kolber, Benjamin, Philadelphia, Pa. One-piece double-compartment toilet cabinet. 1,773,684; Aug. 19.
 Kolber, Morris, Brooklyn, assignor to New Diamond Point Pen Co., Inc., New York, N. Y. Fountain pen. 1,780,527; Nov. 4.
 Kole, Lessing L., Milwaukee, Wis. Special package for compacts. 1,768,203; June 24.
 Koll, Herman F. (See Schmidt, A. A., and Koll.)
 Koleta, William F., Akron, Ohio. Tire-fabric cutting and band-building machine. 1,746,119; Feb. 4.
 Koleta, William F., Akron, Ohio. Tire-building apparatus. 1,775,080; Sept. 2.
 Kollath, Francis C., Chicago, Ill. Portable lamp. 1,777,003; Sept. 30.
 Kolisch, Paul. (See Phinney, Edward D., assignor.)
 Kolitsch, August, Port Alfred, Quebec, Canada. Drying apparatus. 1,746,431; Feb. 11.
 Kolker, Louis, Far Rockaway, N. Y. Chair or similar article. Des. 82,161; Sept. 30.
 Kolko, Aron, Colombes, France. Carbureting apparatus. 1,769,925; July 8.
 Kollath, Francis C., Chicago, Ill. Electric connector. 1,743,821; Jan. 14.
 Kollath, Francis C., Chicago, Ill. Vaporproof hand portable. 1,779,675; Oct. 28.
 Koll, Wilhelm, and K. Streitwolf, Frankfort-on-the-Main, and A. Fehrle, Soden-on-the-Taunus, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Benzimide-azolon arsonic acids and preparing the same. Re17,599; Feb. 18.
 Kollenz, Fannie, et al. (See Drabonovsky, John B., assignor.)
 Koller, Stephen J., South Bend, Ind. Mirror searchlight. 1,774,331; Aug. 26.
 Kollinck, Theodore, assignor to Knorr-Bremse A. G., Berlin, Germany. Brake apparatus for aircraft. 1,772,813; Aug. 12.
 Kollman, Jacob, assignor to Edward Katzinger Company, Chicago, Ill. Baking pan. 1,764,685; June 17.
 Köllmann, Adolf G. (See Matouch, Rudolf A. F., assignor.)
 Kollmann, August J., New York, N. Y. Sprayer. 1,777,925; Oct. 7.
 Kollstede, George, Providence, R. I. Perfume sprayer or like device. Des. 82,222; Oct. 7.
 Kollstede, George, Providence, R. I. Lighter. 1,746,949; Feb. 11.
 Kollock, George R. (See Bowen, Russell C., assignor.)
 Kolm, Ludwig, Berlin, Germany, assignor to Aktiengesellschaft "Kolmag," Glaris, Switzerland. Apparatus for the winding of endless bands. 1,753,153; Apr. 1.
 Kolodziej, Edward J., Buffalo, N. Y. Shock absorber. 1,747,306; Feb. 18.

- Kolstad, August M., Detroit, Mich. Hot-water and steam generator. 1,786,660; Dec. 30.
- Kolster, Frederick A. (See Prescott, J. O., and Kolster.)
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Selector system. 1,742,602; Jan. 7.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Electrical tuning system. 1,743,039; Jan. 7.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Directional radio system. 1,749,348; Mar. 4.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radiocompass. 1,759,119; May 20.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. High-frequency coupling unit. 1,766,039; June 24.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Signal-transmitting system. 1,766,040; June 24.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio apparatus and method. 1,766,041; June 24.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio compass indicator. 1,767,140; June 24.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio compass system. 1,767,141; June 24.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio transmitting system. 1,767,245; June 24.
- Kolts, John H., Crafton, and E. A. Krah, jr., assignors to Pittsburgh Water Heater Company, Pittsburgh, Pa. Hot-water heater. 1,744,124; Jan. 21.
- Kolts, John H., Crafton, and E. A. Krah, jr., Pittsburgh, assignors to Pittsburgh Water Heater Company, Pittsburgh, Pa. Gas burner. 1,749,385; Mar. 4.
- Komar, Joseph L., Detroit, Mich. Power punch. 1,774,833; Sept. 2.
- Komarnitsky, Rostislav. (See Day, C. H., and Komarnitsky.)
- Komen, Gerrit. (See van der Lande, Bernardus L. M., assignor.)
- Komenak, Albert J., assignor to The Excelsior Hardware Company, Stamford, Conn. Trunk lock. 1,761,570; June 3.
- Komfala, Steve, Denver, Colo. Centrifugal pump. 1,786,435; Dec. 30.
- Kominz, Jacob S., Rochester, N. Y. Cyto-vaccine of tubercle bacilli. 1,766,131; June 24.
- Komow, Albert P. (See Davy, M. J. A., and Komow.)
- Komp, George, sr., Hattiesburg, Miss. Ice-scoring machine. 1,742,994; Jan. 7.
- Koncen, Viola F., Clayton, Mo. Slip. 1,771,179; July 22.
- Kondakjian, Daniel, Newark, N. J. Machine for making wire formations. 1,775,770; Sept. 16.
- Kondakjian, Daniel, Newark, N. J. Wire-bending mechanism. 1,778,559; Oct. 14.
- Kondo, Kenyu, Kyoto, Japan. Manufacture of reproduced diffraction gratings. 1,744,642; Jan. 21.
- Kondo, Rennosuke, Tokyo, Japan. Cooling device for internal-combustion engines. 1,770,237; July 8.
- Kondolf, Henry E., Brooklyn, N. Y. Folding paper carton. 1,747,979; Feb. 18.
- Kondolf, Henry E., Brooklyn, N. Y. Folding paper package. 1,747,980; Feb. 18.
- Kondolf, Henry E., New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Fastening means. 1,772,255; Aug. 5.
- Kondolf, Mathias R., Lower Merion Township, Montgomery County, Pa. Tag attachment. 1,776,074; Sept. 16.
- Kondysar, Anthony L., Poughkeepsie, N. Y. Cigarette case. 1,756,900; Apr. 29.
- Konheim, Harvey S. (See Albersheim, W. J., and Konheim.)
- Konigsberg, Joseph, New York, N. Y. Horological dial. 1,776,001; Sept. 16.
- Konigsberg, Joseph, New York, N. Y. Stepladder. 1,778,898; Oct. 21.
- Konigsberg, Joseph H., Brooklyn, N. Y. Dipper. 1,769,226; July 1.
- Königsberger, Walter, Berlin, Germany. Garter. 1,780,931; Nov. 11.
- Koning, Willem, Eindhoven, Holland, assignor to General Electric Company. Anchor-inserting machine. 1,751,410; Mar. 18.
- Konn, Felix, Erie, Pa., assignor to General Electric Company. Control system for alternating-current commutator machines. 1,756,867; Apr. 29.
- Konoff, Alexander. (See Marcus, S., and Konoff.)
- Konoff, Alexander, assignor to Markon Manufacturing Co. Inc., New York, N. Y. Producing doll eyes. 1,769,582; July 1.
- Konoff, Alexander, Brooklyn, and S. Marcus, assignors to Markon Manufacturing Co. Inc., New York, N. Y. Doll-eye mounting. 1,779,943; Oct. 28.
- Konop, Jonh S., Flushing, N. Y. Table. 1,763,931; June 17.
- Konop, John S., Flushing, N. Y. Combined wall table and seat. 1,763,932; June 17.
- Kontol Company, The. (See Reddish, Warren T., assignor.)
- Konwiser, William, Brooklyn, N. Y. Fastening means. Des. 80,273; Jan. 7.
- Konzelman, Matthew, Peru, Ill. Automobile bed. 1,767,890; June 24.
- Kool, Gert, The Hague, and van Duyn, Rotterdam, Netherlands, assignors, by mesne assignments, to Signode Steel Strapping Company. Package-banding tool. 1,778,530; Oct. 14.
- Koomans, Nicolaas, The Hague, Netherlands, assignor to Radio Corporation of America, New York, N. Y. Neutrodyne circuit arrangement. 1,757,910; May 6.
- Koon, Arta M. (See Koon, Arthur W., assignor.)
- Koon, Arthur W., Thibodaux, La., assignor to A. M. Koon, New Orleans, La. Process, and system of apparatus, for desiccating foodstuffs. 1,759,702; May 20.
- Koons, Charles V., assignor to American Engineering Company, Philadelphia, Pa. Swivel hook. 1,773,045; Aug. 12.
- Koons, Frank, sr., Detroit, Mich. Door-latch mechanism. 1,750,933; Mar. 18.
- Koontz, Victor R., assignor to Landis Machine Company, Waynesboro, Pa. Die head. 1,782,472; Nov. 25.
- Koonz, Frederick W., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon or Similar Article. Des. 80,274; Jan. 7.
- Koors, Albert A. (See Koster, P. J., and Koors.)
- Koos, Lawrence E., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Forming coil retainers. 1,743,553; Jan. 14.
- Kopeliowitsch, Jakob, and J. Kubler, assignors to A. G. Brown Boveri & Cie., Baden, Switzerland. Protection of electrical apparatus. 1,748,719; Feb. 25.
- Kopeliowitsch, Jakob, Baden, and J. Stoecklin, Zurich, assignors to A. G. Brown Boveri & Cie., Baden, Switzerland. Apparatus for detecting grounds. 1,752,991; Apr. 1.
- Kopf, Joseph L., East Orange, N. J., assignor to Jabez Burns & Sons, Inc., New York, N. Y. Coffee product and making same. 1,762,690; June 10.
- Kopke, Ernst W., New York, N. Y., assignor to F. L. Allen, Montclair, N. J. Method of and apparatus for crystallization. 1,749,588; Mar. 4.
- Koplin, Harry, Chicago, Ill. Tablecloth. 1,748,179; Feb. 25.
- Koplin, Harry, assignor to The Amico Company, Inc., Chicago, Ill. Drying machine. 1,786,349; Dec. 23.
- Kopp, Fritz, Ulm-on-the-Donau, Germany. Wheel. 1,750,407; Mar. 11.
- Kopp Glass, Incorporated. (See Kopp, Nicholas, assignor.)
- Kopp, Nicholas, Pittsburgh, Pa., assignor to Kopp Glass, Incorporated, Swissvale, Pa. Illuminating glass bowl or similar article. Des. 81,392; June 17.
- Kopp, Nicholas, Pittsburgh, Pa., assignor to Kopp Glass, Incorporated, Swissvale, Pa. Display stand. Des. 81,654; July 22.
- Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass, Incorporated, Swissvale, Pa. Connector device. 1,748,776; Feb. 25.
- Kopp, Philip L., Burksville, assignor of one-half to A. J. Koengsmark, Waterloo, Ill. Track crossover for railroads. 1,743,924; Jan. 14.
- Kopp, Reinhold A., assignor to W. M. Welch Mfg. Co., Chicago, Ill. Scale pan. 1,756,292; Apr. 29.
- Köppel, Georg. (See Johanson, H., and Köppel.)
- Koppelman, Morris, Brooklyn, assignor, by mesne assignments, to Holed-Tite Packing Corporation. Packing holder for fragile articles. 1,746,838; Feb. 11.
- Koppelman, Morris, Brooklyn, N. Y., assignor, by mesne assignments, to Holed-Tite Packing Corporation. Packing for fragile articles. 1,780,264; Nov. 4.
- Koppers Company, The. (See Becker, Joseph, assignor.)
- Koppers Company, The. (See Becker, J., and Van Ackeren, assignors.)
- Koppers Company, The. (See Cole, Sanford S., assignor.)
- Koppers Company, The. (See Fulton, Robert R., assignor.)
- Koppers Company, The. (See Gollmar, Herbert A., assignor.)
- Koppers Company, The. (See Huff, W. J. Jacobson, and Hill, assignors.)
- Koppers Company, The. (See Jacobson, David L., assignor.)
- Koppers Company, The. (See Klaiber, Walter J., assignor.)
- Koppers Company, The. (See Klockman, Otto E., assignor.)
- Koppers Company, The. (See McIntosh, James, assignor.)
- Koppers Company, The. (See Myers, Albert J., assignor.)
- Koppers Company, The. (See Puening, Franz, assignor.)
- Koppers Company, The. (See Ramsburg, Charles J., assignor.)
- Koppers Company, The. (See Seil, Gilbert E., assignor.)
- Koppers Company, The. (See Sperr, Frederick W., jr., assignor.)
- Koppers Company, The. (See van Ackeren, Joseph, assignor.)
- Koppers Development Corporation, The. (See Koppers, Heinrich, assignor.)
- Koppers, Heinrich, Essen, Postfach, Germany. Blast furnace. 1,746,705; Feb. 11.
- Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Producer-gas process. 1,743,717; Jan. 14.
- Koppers, Heinrich, Essen-Ruhr, Germany. Producing coke and apparatus therefor. 1,758,524; May 13.

- Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Process and apparatus for distillation of bituminous material. 1,771,048; July 22.
- Koppitz, Carl G., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. High-tension-switch mechanism. 1,758,751; May 13.
- Koppl, Ernest. (See Hickerson, Henry P., assignor.)
- Koppl, Ernest, Long Beach, Calif. Underreamer. 1,772,491; Aug. 12.
- Köplinger, Hermann, Vienna, Austria. Preparation for removing or preventing boiler scale and other like deposits. 1,754,171; Apr. 8.
- Kops Bros. Inc. (See Binswanger, Richard M., assignor.)
- Kops Bros. Inc. (See Hirsch, Joseph, assignor.)
- Kops Bros. Inc. (See Kops, Waldemar, assignor.)
- Kops, Waldemar, assignor to Kops Bros. Inc., New York, N. Y. Apparel garment. 1,755,827; Apr. 22.
- Kops, Waldemar, assignor to Kops Bros. Inc., New York, N. Y. Apparel garment. 1,762,399; June 10.
- Korany, Julius S., Newark, assignor of one-half to F. Bachman, East Orange, N. J. Radio receiving system. 1,744,477; Jan. 21.
- Korb, Fred, Chicago, Ill., assignor to Industrial Gas Engineering Company. Blower. 1,773,909; Aug. 26.
- Körber, Heinrich, Inzersdorf, near Vienna, Austria. Producing a substance for obtaining a high gloss and pure white color on paper and the like. 1,776,002; Sept. 16.
- Körber, Paul, Bad Homburg-Vor-Der-Hehe, Germany. Producing mosaic designs for porcelain or other fine ceramic materials. 1,767,081; June 24.
- Korelin, Michail N., Moscow, Russia. Peat mining. 1,785,739; Dec. 23.
- Koren, Walter A. (See Crites, J., and Koren.)
- Koretzky, Harry M., assignor to Bright Star Battery Company, Inc., Hoboken, N. J. Flash light. 1,769,436; July 1.
- Koretzky, Harry M., assignor to Bright Star Battery Company, Hoboken, N. J. Flash-light switch. 1,785,868; Dec. 23.
- Korff, Arnold, New York, N. Y., assignor of one-half to C. A. Loeb. Combination spread and garment. 1,758,323; May 13.
- Korfund Company, The. (See Genest, Werner, assignor.)
- Korn, Alex A., assignor to Morand Cushion Wheel Co., Chicago, Ill. Cushion wheel. 1,750,408; Mar. 11.
- Korn, Arthur, Berlin-Charlottenburg, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Picture-telegraph system. 1,745,018; Jan. 28.
- Korn, Arthur, Berlin-Charlottenburg, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Apparatus for making jacquard cards for textile machinery. 1,745,019; Jan. 28.
- Korn, Franklin A., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,752,438; Apr. 1.
- Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Table lamp. Des. 81,484; July 1.
- Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Table lamp. Des. 81,485; July 1.
- Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Floor lamp. Des. 81,486; July 1.
- Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Floor lamp. Des. 81,487; July 1.
- Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Table lamp. Des. 81,488; July 1.
- Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Floor lamp. Des. 81,489; July 1.
- Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Lamp base. Des. 81,490; July 1.
- Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Floor lamp. Des. 81,797; Aug. 12.
- Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Floor lamp. Des. 81,798; Aug. 12.
- Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Table lamp. Des. 82,611; Nov. 25.
- Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Table lamp. Des. 82,839; Dec. 16.
- Korndorfer, Caspar J., Allentown, N. J., and L. T. Hand, Brooklyn, N. Y. Method of and apparatus for producing stacks of folded strips of paper for use with recording machines. 1,747,719; Feb. 18.
- Korndorfer, Caspar J., Allentown, N. J., and L. T. Hand, Brooklyn, N. Y. Refillable pen. 1,775,350; Sept. 9.
- Korns, Clarence C., Johnstown, Pa. Switch-throwing mechanism. 1,753,271; Apr. 8.
- Kornsweet, Samuel A., Venice, Calif. Combined cigarette-package holder and match box. 1,782,145; Nov. 18.
- Kornsweet, Samuel A., Venice, Calif. Decorated vizer. 1,782,206; Nov. 18.
- Korompay, George, Rochester, Mich. Casting decorative designs in relief. 1,747,249; Feb. 18.
- Koronski, André, now by judicial change of name A. King, Narberth, Pa. Weight reading and printing mechanism for scales. 1,757,722; May 6.
- Korsten, Albertus C., and de Visser, Rotterdam, Netherlands. Adjustable spring-mounted chair. 1,777,204; Sept. 30.
- Kort, Ludwig, Hanover, Germany. Combined ship and propeller. 1,759,511; May 20.
- Korte, August C., and S. Redeker, Sunbury, and K. Mahnke, Williamsport, Pa. Base construction for electric bulb. 1,753,609; Apr. 8.
- Korten, Ernst. (See Klingemann, F., Lommel, Korten, and Goost.)
- Korten, Ernst, Fechenheim near Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacturing condensation products from hydroxy-benzenes and hydroaromatic ringketones. 1,760,758; May 27.
- Kortick, John C., San Francisco, Calif. Fire-fighting tool. 1,749,103; Mar. 4.
- Korth, John C., Maplewood, N. J. Oil burner. Des. 81,492; July 1.
- Kosch, Charles, Lynbrook, N. Y. Bootjack. 1,769,516; July 1.
- Kosfeld, Friedrich W., Brackwede, Germany. Nut-tapping device. 1,760,702; May 27.
- Kosfeld, Wilhelm, Dortmund, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Follower for line templates. 1,778,977; Oct. 21.
- Kosh, Abe, Brooklyn, N. Y., assignor to Continental Optical Frame Company, Newark, N. J. Bridge for an eyeglass frame. Des. 82,035; Sept. 16.
- Kosha, Andrew J. (See Gagnon, William J. and B. E., and Kosha.)
- Kosian, Arthur, Chicago, Ill. Adjustable headlight. 1,768,613; July 1.
- Kosinetz, Ivan M., Moscow, Union of Socialist Soviet Republics. Band tractor. 1,772,316; Aug. 5.
- Kositchek, Leo S., assignor to Columbia Fastener Company, Chicago, Ill. Mucilage dispenser. Des. 80,793; Mar. 25.
- Kositzky, James C., now by judicial change of name J. C. Coe, Stillwater, Okla. System of modulation. 1,755,739; Apr. 22.
- Koski, Emil, Aberdeen, Wash. Signaling device. 1,743,040; Jan. 7.
- Koski, George E. (See Ross, Charles, assignor.)
- Koskinen, Onni S., Detroit, Mich. Grinding machine. 1,769,143; July 1.
- Kost, Walter. (See Füsigen, P., and Kost.)
- Kosteling, Stephen J., Jr., et al. (See Juergens, John, assignor.)
- Koster, Peter J. (See Bindschedler, T. S., and Koster.)
- Koster, Peter J., and Albert A. Koors. Pleasant Ridge, Mich. Monorail-supporting system. 1,768,911; July 1.
- Kothny, Gotttdank L., Strafford, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Fluid-condensing system. 1,757,723; May 6.
- Kothny, Gotttdank L., Strafford, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Condenser for mixed vapors. 1,786,163; Dec. 23.
- Kotler, Anna, New York, N. Y. Window. 1,778,978; Oct. 21.
- Kotrbaty, Guy F., New York, N. Y. Rail. 1,782,902; Nov. 25.
- Kottek, Frank, New York, N. Y. Arch support. 1,745,626; Feb. 4.
- Kottke, Rudolph A., Detroit, Mich. Holder for pans and covers. 1,755,654; Apr. 22.
- Kottman, August, assignor to Rheinische Metallwaren und Maschinenfabrik Sömmerda Aktiengesellschaft, Sömmerda, Germany. Drive for the stepped drums of calculating machines. 1,786,164; Dec. 23.
- Kottusch, Emil, Detroit, Mich. Piston. 1,752,672; Apr. 1.
- Kottusch, Emil, Detroit, Mich. Manufacturing piston rings. 1,778,899; Oct. 21.
- Kotvis, William. (See Chapman, F. A., and Kotvis.)
- Kotzebue, Meinhard H., Tulsa, Okla. Gas and liquid contact apparatus. 1,759,750; May 20.
- Kotzebue, Meinhard H., Tulsa, Okla., assignor to Trumble Gas Trap Company. Crude-oil and natural-gas separator. 1,782,783; Nov. 25.
- Kousminsky, Mischa, assignor to A. M. Josepho, New York, N. Y. Photographic reproducing apparatus. 1,765,277; June 17.
- Kovac, Edward, Jr., New York, N. Y. Chair construction. 1,750,409; Mar. 11.
- Kovac, Stephen. (See Friedman, B. L., and Kovac.)
- Kovacich, Joseph, Virginia, Minn. Noodle cutter. 1,768,077; June 24.
- Kovács, Balint, assignor of one-third to C. K. Sabo, Castalia, and one-third to A. Hari, Baybridge, Ohio. Match box. 1,759,751; May 20.
- Kovács, János, Budapest, Hungary, assignor to C. Hüller, Württemberg, Germany. Brush. 1,766,388; June 24.
- Kovacs, Louis. (See Fagan, J. J., and Kovacs.)
- Kovacs, Rudolph, Detroit, Mich. Urinal for automobiles and other vehicles. 1,749,104; Mar. 4.
- Kovacs, Theodor, Hanover, Germany. Reservoir pen. 1,750,410; Mar. 11.
- Kovats, John, Bridgeport, Conn. Folding table. 1,752,304; Apr. 1.
- Kovats, John, assignor to Lorraine Metal Manufacturing Company, Bridgeport, Conn. Card table. 1,745,998; Feb. 4.
- Kovats, John, assignor to Lorraine Metal Manufacturing Company, Bridgeport, Conn. Can opener. 1,771,493; July 29.
- Kovats, John, assignor to Lorraine Metal Manufacturing Company, Bridgeport, Conn. Can opener. 1,785,384; Dec. 16.
- Koverman, Fred R. (See Ries, R. E., and Koverman.)
- Kovner, Samuel. (See Brooks, C. P., Jr., and Kovner.)
- Kowalsky, Andrew, Oak Park, Ill., assignor to International Harvester Company. Corn binder. 1,769,144; July 1.
- Kowan, Maurice H., Chicago, Ill. Colon-therapy apparatus. 1,774,979; Sept. 2.

- Kowarick, Frederico A., jr., Sao Paulo, Brazil. Lubricating device for engine pistons. 1,776,075; Sept. 16.
- Kownatzky, Rubin, New York, N. Y. Adjustable window screen. 1,756,030; Apr. 29.
- Kozaki, Kazuo, Kobe City, assignor to Mitsubishi Zosen Kabushiki Kaisha, Tokyo, Japan. Device for transmission of motion of rotating bodies. 1,745,898; Feb. 4.
- Koziel, John, Rothschild, Wis. Wrench. 1,768,988; July 1.
- Kozisek, Jaroslav, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Commutation in dynamo-electric machines. 1,774,332; Aug. 26.
- Kozlowski, Leo, St. Paul, Minn. Looper-thread controller for buttonhole-sewing machines. 1,761,349; June 3.
- Kozlowski, Leon, Union City, assignor of one-half to T. Puschett, Jersey City, N. J. Electric-fixture device. 1,783,020; Nov. 25.
- Kozma, Joseph, New York, N. Y. Lock nut. 1,747,250; Feb. 18.
- Kozy Comfort Shoe Manufacturing Company. (See Morrison, Lawrence W., assignor.)
- Krabol, Olaus O., Chicago, Ill., assignor to Colonial Chair Company. Typewriter chair. 1,775,433; Sept. 9.
- Kracker, Herbert. (See Heyna, H., Kirst, Kracker, and Moldaenke.)
- Kraeft, Herman L., assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Juvenile airplane construction. 1,754,430; Apr. 15.
- Kraeft, Herman L., assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Wheel construction. 1,754,431; Apr. 15.
- Kraeft, Herman L., East Cleveland, assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Steering mechanism. 1,764,730; June 17.
- Kraeft, Herman L., assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Wheel and bearing construction. 1,764,731; June 17.
- Kraeft, Herman L., assignor to Murray Ohio Manufacturing Company, Cleveland, Ohio. Sheet-metal toy construction. 1,764,732; June 17.
- Kraeft, Herman L., assignor to Murray Ohio Manufacturing Company, Cleveland, Ohio. Wheeled toy. 1,764,733; June 17.
- Kraeft, Herman L., assignor to The Murray-Ohio Mfg. Company, Cleveland, Ohio. Toy airplane. 1,772,256; Aug. 5.
- Kraeft, Herman L., assignor to Murray Ohio Manufacturing Company, Cleveland, Ohio. Sheet-metal toy construction. 1,784,633; Dec. 9.
- Kraeft, Herman L., assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Toy construction. 1,784,634; Dec. 9.
- Kraemer, August F., assignor to Louis Stern Company, Providence, R. I. Extension device for bracelets. 1,780,824; Nov. 4.
- Kraemer, August F., assignor to Louis Stern Company, Providence, R. I. Chain assembly. 1,784,451; Dec. 9.
- Kraemer, Georg. (See Jordan, O., and Kraemer.)
- Kraemer, Waldo L., Brooklyn, and A. C. Purdy, Middletown, N. Y., assignors to Metal Edge Filter Corporation. Apparatus for producing filter members. 1,745,426; Feb. 4.
- Kraft, Charles H., Kansas City, Mo. Door supporting and adjusting means. 1,775,168; Sept. 9.
- Kraft, Fred G., Buffalo, assignor, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Clip for bucket covers. 1,767,217; June 24.
- Kraft, Gustav F., Kansas City, Mo. Individual salt and pepper receptacle. 1,758,117; May 13.
- Kraft, Herman T., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tube-stripping machine. 1,755,065; Apr. 15.
- Kraft, Herman T., assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Fuel tank. 1,779,397; Oct. 21.
- Kraft, Herman T., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tread applier. 1,781,285; Nov. 11.
- Kraft, Herman T., Akron, Ohio, assignor to The H. A. Husted Company, Detroit, Mich. Steering wheel. 1,777,315; Oct. 7.
- Kraft, Herman T., Akron, Ohio, assignor to The H. A. Husted Company, Detroit, Mich. Steering wheel. 1,784,733; Dec. 9.
- Krag, Erik L., Chicago, Ill. Loose-leaf binder. 1,754,471; Apr. 15.
- Krah, Edward A., jr. (See Kolts, J. H., and Krah.)
- Krahn, Heinrich, Gladbeck, Germany. Dust cart. 1,776,034; Sept. 16.
- Krake, Foster, Lexington, Ky. Violin-bow hair-adjusting device. 1,761,350; June 3.
- Kraliček, Josef. (See Szöke, Stefan, assignor.)
- Kramer, Harry, New York, N. Y. Nicotine stopper for cigarette holders. 1,770,787; July 15.
- Kramer, Abraham, New York, N. Y. Light fixture having removable panels. 1,751,864; Mar. 25.
- Krämer, Andreas, assignor to Deberag, Deutsche Beratungsgesellschaft für die Chemische und Metallurgische Industrie m. b. H., Berlin, Germany. Disintegrating, kneading, mixing, and drying machine. 1,767,376; June 24.
- Kramer, Andrew A. (See George, Ralph D., assignor.)
- Kramer, Andrew A., Kansas City, Mo. Sheet-metal sign. 1,750,894; Mar. 18.
- Kramer, Andrew A., Kansas City, Mo. Road parting strip. 1,755,480; Apr. 22.
- Kramer, Andrew A., Kansas City, Mo. Siphon outlet for truck tanks. 1,757,317; May 6.
- Kramer, Andrew A., Kansas City, Mo. Floating-deck tank. 1,767,142; June 24.
- Kramer, Arthur E. (See Platt, J. W., and Kramer.)
- Kramer, Arthur E., and J. W. Platt, Waterville, Conn. Gas-valve lock. 1,786,954; Dec. 30.
- Krämer, Christian, Berlin-Pankow, Germany, assignor to General Electric Company. Mercury-arc rectifier. 1,756,868; Apr. 29.
- Krämer, Christian, Pankow, Germany, assignor to General Electric Company. Vacuum apparatus. 1,775,531; Sept. 9.
- Krämer, Christian, Berlin, Germany, assignor to General Electric Company. Rectifying system. 1,776,157; Sept. 16.
- Kramer, Clarence P., assignor to T. A. Harbick, Chicago, Ill. Lock. 1,771,382; July 22.
- Kramer, Erwin, Cologne-Deutz, L. Zeh, Wiesdorf-on-the-Rhine, and B. Bollweg, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphur dyestuffs. 1,758,324; May 13.
- Kramer, Erwin, Cologne-Deutz, B. Bollweg, Leverkusen-on-the-Rhine, and L. Zeh, Wiesdorf-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphur dyestuffs. 1,759,264; May 20.
- Kramer, Frank J., Great Bend, Kans. Electrically-operated drawer. 1,774,442; Aug. 26.
- Kramer, Gustav A., Concord, assignor, by mesne assignments to Shell Development Company, San Francisco, Calif. Liquid-pump arrangement. 1,745,800; Feb. 4.
- Kramer, Heinrich, Frankfurt-on-the-Main-Hedderheim, and A. van Rossum, Frankfurt-on-the-Main-Eschersheim, Germany. Egg separator. 1,759,512; May 20.
- Kramer, Henry W., Kingston, assignor to R. P. Young, Marlboro, N. Y. Handle for wooden baskets. 1,782,431; Nov. 25.
- Kramer, Herman, Tulsa, Okla., assignor to General Paint Corporation, San Francisco, Calif. Protecting sleeve for pipe-wrapping machines. 1,777,095; Sept. 30.
- Kramer, Isidore, New York, N. Y. Button. 1,765,077; June 17.
- Kramer, John G., assignor, by mesne assignments, to Car-Kra Corporation, Detroit, Mich. Vertically-slidable inwardly-swinging window. 1,749,589; Mar. 4.
- Kramer, Leon H., Brooklyn, N. Y. Container for fluids. 1,775,400; Sept. 9.
- Kramer, Otto, Reichardtswerben, near Weissenfels, Germany. Brake for railroad vehicles. 1,747,516; Feb. 18.
- Kramer, Owen, Dayton, Ohio. Spring winder. 1,757,911; May 6.
- Kramer, Samuel, New York, N. Y. Light fixture. Des. 80,419; Jan. 28.
- Kramer, Samuel, New York, N. Y. Light fixture. Des. 80,533; Feb. 18.
- Kramer, Samuel, New York, N. Y. Chandelier. Des. 80,534; Feb. 18.
- Kramer, Samuel, New York, N. Y. Floor lamp. Des. 80,535; Feb. 18.
- Kramer, Samuel, New York, N. Y. Light fixture. Des. 80,794; Mar. 25.
- Kramer, William, Richmond Hill, assignor to Ideal Aeroplane & Supply Co., Incorporated, New York, N. Y. Toy airplane. 1,782,385; Nov. 18.
- Krämling, Adolf W., Berlin-Schmargendorf, Germany. Device for spraying fuel into the cylinders of internal-combustion engines. 1,766,389; June 24.
- Kran, Harry W., Lakewood, and J. S. Fenel, Cleveland, assignors to The Cleveland Welding Company, Cleveland, Ohio. Making hub shells and like tubular metal articles. 1,760,560; May 27.
- Kraney, Karl F., Guben, Germany. Apparatus for dyeing hat bodies and similar materials. 1,756,599; Apr. 29.
- Kranig, Joe. (See Saunders, J. B., and Kranig.)
- Krannak, Steven J., Minneapolis, Minn. Grease-gun-coupling head. 1,782,691; Nov. 25.
- Krans, Andrew G., assignor of one-half to J. S. Kirstein, Los Angeles, Calif. Alloy. 1,776,948; Sept. 30.
- Krantz, Hubert, Aachen, Germany. Centrifugal extractor. 1,781,984; Nov. 18.
- Krantz, Hubert J. M. C., Aachen, Germany. Oiling system for centrifugal machines. 1,745,853; Feb. 4.
- Krantz, Hubert K., Rockville Center, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,751,242; Mar. 18.
- Krantz, Hubert K., Rockville Center, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,786,757; Dec. 30.
- Krantz, John C., jr., assignor to Sharp & Dohme, Inc., Baltimore, Md. Condiment. 1,772,183; Aug. 5.
- Kranz, Chester R., Glen Ellyn, assignor, by mesne assignments, to Binks Manufacturing Company, Chicago, Ill. Spray-cooling tower. 1,780,020; Oct. 28.
- Kranz, Frederick H. (See Bissell, D. W., and Kranz.)
- Kranz, Harry W., assignor, by mesne assignments, to The Cleveland Welding Company, Cleveland, Ohio. Disk wheel. 1,752,992; Apr. 1.
- Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Reflector and supporting tongues therefor. 1,763,310; June 10.
- Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Fringe and making the same. 1,769,145; July 1.

- Kränzlein, Georg, H. Greune, and H. Vollmann, Höchst-on-the-Main, Germany, assignors to General Aniline Works, New York, N. Y. Yellowish vat dyestuffs. 1,767,377; June 24.
- Kränzlein, Georg, H. Greune, K. Zahn, Höchst-on-Main, and M. P. Schmidt, Biebrich-on-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Carbazole quinones and preparing same. 1,772,317; Aug. 5.
- Kränzlein, Georg, M. Heyse, and P. Ochwat, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the naphthostyryl series and preparing the same. 1,762,021; June 3.
- Kränzlein, Georg, Höchst-on-the-Main, E. Kronholz, Bad-Soden-on-the-Taunus, and F. Roemer, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs of the anthraquinone series. 1,750,227; Mar. 11.
- Kränzlein, Georg, Frankfurt-on-the-Main-Hochst, E. Kronholz, Bad-Soden-on-the-Taunus, and F. Römer, Frankfurt-on-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs of the anthraquinone series. 1,750,228; Mar. 11.
- Kränzlein, Georg, Frankfurt-on-the-Main-Hochst, R. K. Müller, Bad-Soden, F. Brunntäger and H. Janz, Frankfurt-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing homogeneous alloys of lead. 1,774,384; Aug. 26.
- Kränzlein, Georg, and F. Roemer, Frankfurt-on-the-Main-Hochst, and E. Kronholz, Bad Soden-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wood dyestuff of the anthraquinone series. 1,780,976; Nov. 11.
- Kränzlein, Georg, and H. Vollmann, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation product of the benzopyrene-quinone series and preparing the same. 1,742,358; Jan. 7.
- Kränzlein, Georg, and A. Voss, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparation of magnesium. 1,774,018; Aug. 26.
- Krape, Rudolph D., Schenectady, N. Y., assignor to General Electric Company. Control for electric drives. 1,776,158; Sept. 16.
- Krapup, Marius C., New York, N. Y. Shock absorber. 1,749,590; Mar. 4.
- Krase, Herbert J. (See Hetherington, H. C., and Krase.)
- Krash, Joseph E., Barberton, Ohio. Collar pin. 1,780,084; Oct. 28.
- Krasney, George, Chicago, Ill. Collar button. 1,782,509; Nov. 25.
- Kranick, Benjamin, Coatesville, Pa. Baby holder. 1,776,122; Sept. 16.
- Krasnow, Philip, Brooklyn, N. Y. Wedding ring. Des. 82,566; Nov. 18.
- Krasselt, Robert C., Leipzig, Germany. Locking device for closet and lavatory doors. 1,751,821; Mar. 25.
- Krastin, August, Cleveland, Ohio. Electric switch. 1,783,656; Dec. 2.
- Kratochvil, Emanuel, Chicago, Ill. Fountain pen. 1,783,436; Dec. 2.
- Kratochwill, Rudolph A., Greenville, Tenn. Umbrella handle. 1,762,869; June 10.
- Kratz, Edouard M., assignor to Marsene Products Co., Chicago, Ill. Transparent-paper machine. Re17,854; Nov. 4.
- Kratz, George D., Akron, and E. Schnedarek, assignors to The Falls Rubber Company, Cuyahoga Falls, Ohio. Tire. Des. 81,752; Aug. 5.
- Kratz, Howard L., assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Garment stand. Des. 80,321; Jan. 14.
- Kratzer, Herbert J., St. Louis, Mo. Two-cycle motor. 1,745,493; Feb. 4.
- Kratzer, Herbert J., assignor of four-tenths to H. G. Fletcher, St. Louis, Mo. Internal-combustion motor. 1,778,950; Oct. 21.
- Krauch, Emil. (See Kalischer, G., Scheyer, Nawiaskey, and Krauch.)
- Krauel, Philip L. (See Watts, G. W., Krauel, and Stockdale.)
- Krauer, Karl, and G. Hess, Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Vat dyestuffs of the anthraquinone series. 1,774,443; Aug. 26.
- Kraul, Anna E., administratrix. (See Kraul, Magnus R.)
- Kraul, Magnus R., deceased, Portland, Oreg.; A. E. Kraul, administratrix. Retort for distilling oil shale and the like. 1,766,132; June 24.
- Kraum, Frank G. (See Johnson, Edward G., assignor.)
- Kraus, Charles E., Babylon, N. Y. Building cement or plaster. 1,747,551; Feb. 18.
- Kraus, Rudolph, Whitestone, N. Y. Gas detector. 1,751,279; Mar. 18.
- Krause, Arnold R. (See Hirsch, A. C., and Krause.)
- Krause, Arnold R. (See Hutchens, R. W., and Krause.)
- Krause, Arnold R., Eau Claire, Wis., assignor to Gillette Rubber Company. Tread forming and finishing machine. 1,767,246; June 24.
- Krause, Arnold R., Eau Claire, Wis., assignor to Gillette Rubber Company. Bicycle-tire trimmer. 1,781,398; Nov. 11.
- Krause, Arnold R., and A. C. Hirsch, assignors to Gillette Rubber Company, Eau Claire, Wis. Inner-tube-strip-plug machine. 1,773,364; Aug. 19.
- Krause, Arnold R., and A. C. Hirsch, assignors to Gillette Rubber Company, Eau Claire, Wis. Tube-stock feeding, measuring, and cutting machine. 1,782,658; Nov. 25.
- Krause, Arnold R., and H. O. Hutchens, assignors to Gillette Rubber Company, Eau Claire, Wis. Tread-forming machine. 1,768,912; July 1.
- Krause, Arthur. (See Meyer, K. H., Hopff, and Krause.)
- Krause, Artur. (See Lüttringhaus, A., Nawiaskey, and Krause.)
- Krause, Artur. (See Nawiaskey, P., and Krause.)
- Krause, Artur. (See Nawiaskey, P., Krause, and Holl.)
- Krause, Erich, South Jamaica, N. Y. Safety attachment for gas valves. 1,751,044; Mar. 18.
- Krause, Frank R., and R. C. Stiefel, Ellwood City, Pa. Plate catcher. 1,755,356; Apr. 22.
- Krause, Fred W., and H. A. Baechtel, Natrona, Pa. Cable-winding drum. 1,763,078; June 24.
- Krause, Frederick, Jersey City, N. J. Apparatus for polishing dies. 1,758,953; May 20.
- Krause, Henry, Meade, Kans. Agricultural implement. 1,776,860; Sept. 30.
- Krause, Hermann, assignor, by mesne assignments, to Stout Manufacturing Company, Menomonee Falls, Wis. Bottle-washing machine. 1,754,755; Apr. 15.
- Krause, Hermann, assignor to Stout Manufacturing Company, Menomonee Falls, Wis. Can-washing machine. 1,785,352; Dec. 16.
- Krause, John M., assignor of one-half to N. E. Hall, Los Angeles, Calif. Toy top. Des. 82,435; Nov. 4.
- Krause, Norman R. (See MacGregor, W. F., and Krause.)
- Krause, Paul, assignor of one-third to W. E. Sprague, and of one-third to H. Taylor, Babylon, N. Y. Liquid pump. 1,768,773; July 1.
- Krause, Richard F., Massillon, Ohio. Drip coffeepot. Des. 82,162; Sept. 30.
- Krause, Richard F., Massillon, Ohio. Drip-coffee maker. 1,743,925; Jan. 14.
- Krause, Richard F., Massillon, Ohio. Drip-coffee maker. 1,761,633; June 3.
- Krause, Walter J., assignor to The Ohio Electric & Controller Company, Cleveland, Ohio. Winding for electric machines. 1,776,767; Sept. 23.
- Krause, Wilhelm, Berlin, Germany. Coin-operated telephone apparatus for automatic telephone exchanges. 1,780,754; Nov. 4.
- Krauss, Carl, Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Indigoid vat dyestuffs from dihalogenoalkylisatins. 1,784,452; Dec. 9.
- Krauss, Charles F., Ambler, and H. K. Harwick, Darby, Pa. Locomotive truck. Re17,764; Aug. 5.
- Krauss, Charles F., Ambler, and H. K. Harwick, Darby, Pa. Spring support for trucks. 1,747,118; Feb. 11.
- Krauss, Charles F., Ambler, and H. K. Harwick, Darby, Pa. Locomotive truck. 1,750,527; Mar. 11.
- Krauss, Martin. (See Sass, F., and Krauss.)
- Kraut, Samuel B., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Lamp socket. 1,764,315; June 17.
- Krauth & Benninghofen. (See Krauth, Marie W., assignor.)
- Krauth, Marie W., assignor to Krauth & Benninghofen, Hamilton, Ohio. Music stand. 1,750,273; Mar. 11.
- Krchma, Ignace J. (See Martin, J., and Krchma.)
- Kreager, William A. J., assignor, by mesne assignments, to Barque Royalty, Inc., Denver, Colo. Burner. 1,778,194; Oct. 14.
- Krebs, Adolph, Jamaica Plain, Mass. Welding torch. 1,755,882; Apr. 22.
- Krebs, Carlos, Boston, Mass. Reproducing mechanism. 1,759,857; May 27.
- Krebs, Carlos, Boston, Mass. Reproducing mechanism. 1,763,793; June 17.
- Krebs, Carlos, Boston, Mass. Reproducing apparatus. 1,777,497; Oct. 7.
- Krebs, Edouard, Oslo, Norway. Cell for electrolyzing solutions of alkali chlorides. 1,753,123; Apr. 1.
- Krebs, George A., assignor, by mesne assignments, to Plough, Inc., Memphis, Tenn. Article displaying and vending cabinet. 1,750,528; Mar. 11.
- Krebs, Henry L., Chicago, Ill. Transferring subjects to metal surfaces. 1,742,710; Jan. 7.
- Kreck, Joseph A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,763,893; June 17.
- Kreczmer, William J. (See Prawat, S., and Kreczmer.)
- Kreger, Norman V., Ben Avon, Pa. Rear-curtain-operating device. 1,781,646; Nov. 11.
- Krei, Chris, and F. Krei, Samoa, Calif. Fire kindler. 1,767,293; June 24.
- Krei, Fred. (See Krei, Chris, and F.)
- Kreider, Enos H., Lancaster, Pa. Vehicle shock absorber. 1,785,814; Dec. 23.
- Kreider, John M., Neffsville, Pa. Centrifugal extractor. 1,764,214; June 17.
- Kreiselshimer, William, assignor to Nathan & Cohen Co., Inc., New York, N. Y. Muller. Des. 80,275; Jan. 7.
- Kreil, Francis X. A., Altadena, Calif. Monolithic hollow concrete-wall construction. 1,776,560; Sept. 23.
- Kreiling, James E., Chicago, Ill. Household-budget system. 1,783,800; Dec. 2.

- Krell, Therese, Milwaukee, Wis. Rescue whistle. 1,758,840; May 13.
- Kreis, Oscar C., assignor to Continental Motors Corporation, Detroit, Mich. Cylinder head. 1,743,276; Jan. 14.
- Kreis, Oscar C., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve-valve-engine-cooling means. 1,746,538; Feb. 11.
- Kreis, Oscar C., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,746,539; Feb. 11.
- Kreis, Oscar C., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,752,009; Mar. 25.
- Kreis, Oscar C., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,764,734; June 17.
- Kreiser, Walter. (See Rieseler, W., and Kreiser.)
- Kreisinger, Henry, Piermont, assignor to International Combustion Engineering Corporation, New York, N. Y. Drying coal in the mill. 1,760,148; May 27.
- Kreisinger, Henry, Piermont, assignor to International Combustion Engineering Corporation, New York, N. Y. Gas washer. 1,762,338; June 10.
- Kreiser, Jacques, New Rochelle, N. Y. Clasp for jewelry. 1,753,207; Apr. 8.
- Kreiser, Jacques, New Rochelle, assignor to Jacques Kreiser & Co., New York, N. Y. Jewelry. 1,784,635; Dec. 9.
- Kreiser, Jacques, & Co. (See Kreiser, Jacques, assignor.)
- Kreiss, Henry. (See Noe, C., and Kreiss.)
- Kreissig, Ernst, Uerdingen, Germany. Balancing device. 1,745,578; Feb. 4.
- Kreissig, Ernst, Uerdingen-on-the-Rhine, Germany. Wheel and axle. 1,751,007; Mar. 18.
- Kreissig, Ernst, Uerdingen, Germany. Spring-supported vehicle and machine element. 1,776,261; Sept. 23.
- Krejci, Joseph, Tyndall, S. Dak. Machine for cutting noodles. 1,772,397; Aug. 5.
- Krell, George. (See Warren, Clarence G., assignor.)
- Krell, Joseph, Berlin-Zehlendorf, Germany. Card file of the sight type. 1,779,004; Oct. 21.
- Krell, Otto, Berlin-Dahlem, Germany. Hangar for airships. 1,752,911; Apr. 1.
- Krell, Otto, Berlin-Dahlem, Germany. Ballasting device for moored dirigibles. 1,778,394; Oct. 14.
- Krembs, Ottmar M., Glencoe, Ill. Pocketed welding, brazing, and hard-soldering rod. 1,785,778; Dec. 23.
- Kremetz & Company. (See Grasmere, Henry, assignor.)
- Kremetz & Company. (See Kremetz, Walter M., assignor.)
- Kremetz, Walter M., assignor to Kremetz & Company, Newark, N. J. Wrist-watch bracelet. 1,779,068; Oct. 21.
- Kremer, John, Southport, Conn. Electrical method and apparatus. 1,748,927; Feb. 25.
- Krem-Ko Company. (See Gallagher, George F., assignor.)
- Kremmling, Otto, Hamersleben, near Oschersleben, Germany. Method of and machine for working pieces of dough. 1,761,399; June 3.
- Kremmling, Otto, Hamersleben, near Oschersleben, Germany. Automatic dough dividing and working machine. 1,782,006; Nov. 18.
- Krennec, Frank W., assignor to The De Vilbiss Company, Toledo, Ohio. Work-truing means. 1,756,293; Apr. 29.
- Kremp, Carl, assignor to H. A. Weymann & Son, Inc., Philadelphia, Pa. Banjo. 1,779,972; Oct. 28.
- Kremser, Alois, Berkeley, assignor to C. F. Braun, Pasadena, Calif. Interfacial contact apparatus. 1,770,658; July 15.
- Krenke, Otto A., assignor of one-half to E. L. Powers, Port Huron, Mich. Retarding device. 1,769,926; July 8.
- Krenser, Emil, Barmen, Germany. Lace-braiding machine. 1,776,361; Sept. 23.
- Krentler-Arnold Hinge Last Company. (See Krentler, Walter A., assignor.)
- Krentler, Walter A., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Last. 1,786,540; Dec. 30.
- Krenz, Reinhold W., Toledo, Ohio. Incinerator. 1,762,579; June 10.
- Kreps, Elmer H. (See Allen, G. N., and Kreps.)
- Kreps, Elmer H. (See Allen, G. N., Parker, and Kreps.)
- Kreslawsky, Paul, Berlin, Germany. Shoe article. 1,784,937; Dec. 16.
- Kress, George R., Los Angeles, Calif. Building-wall-moving device. 1,742,475; Jan. 7.
- Kress, Hubert, Erlangen, Germany. X-ray apparatus. 1,771,759; July 29.
- Kress, Willard C., assignor to J. H. Williams & Co., Buffalo, N. Y. Chain-pipe wrench. 1,750,043; Mar. 11.
- Kretchmar, Max A., assignor to Horrocks Desk Company, Herkimer, N. Y. Lubrication. 1,744,390; Jan. 21.
- Krettly, Pierre. (See Contal, C., and Krettly.)
- Kretzschmar, George W., Garfield, N. J., assignor to Triplex Safety Glass Company of North America, New York, N. Y. Apparatus for use in the manufacture of laminated glass. 1,762,722; June 10.
- Kreuter, Frank H., Philadelphia, Pa. Juice extractor. 1,756,250; Apr. 29.
- Kreutzer, Alfred. (See Metzger, J., Kreutzer, and Hellthaler.)
- Kreutzer, Michael J., Dayton, Ohio. Bottle-washing apparatus. 1,772,398; Aug. 5.
- Krick, George W. and D. G. Anderson, Los Angeles, Calif. Table construction. 1,786,497; Dec. 30.
- Kridel, J., Sons & Co. (See Bader, Fred W., assignor.)
- Krider, George E., Duncanville, assignor to McLanahan-Stone Machine Company, Hollidaysburg, Pa. Screen. 1,774,893; Sept. 2.
- Krider, George E., Duncanville, assignor to McLanahan-Stone Machine Company, Hollidaysburg, Pa. Paddle ore-washing machine. 1,786,399; Dec. 23.
- Kriege, Elizabeth, San Diego, Calif. Nursing bottle. 1,749,432; Mar. 4.
- Kriege, Elizabeth, San Diego, Calif. Mattress. 1,784,294; Dec. 9.
- Krieger, I. G. (See Stanton, Jordan D., assignor.)
- Krieger, Wilhelm. (See Schmidt, M. P., and Krieger.)
- Krieger, Wilhelm. (See Schmidt, M. P., Zahn, and Krieger.)
- Kriegh, Hobart R., Albany, Calif. Aeroplane. 1,786,307; Dec. 23.
- Kriegsheim, Heinrich, assignor to The Permutit Company, New York, N. Y. Treatment of boiler water. 1,762,784; June 10.
- Kriegsheim, Heinrich, New York, and W. Vaughan, Brooklyn, assignors to The Permutit Company, New York, N. Y. Water purifying material and making the same. 1,757,372; May 6.
- Kriegsheim, Heinrich, New York, and W. Vaughan, Brooklyn, assignors to The Permutit Company, New York, N. Y. Improving glauconite. 1,757,373; May 6.
- Kriegsheim, Heinrich, New York, and W. Vaughan, Brooklyn, assignors to The Permutit Company, New York, N. Y. Obtaining pure glauconite. 1,757,374; May 6.
- Krile, Stephen G., San Francisco, Calif. Automobile identifier. 1,747,446; Feb. 18.
- Krimpwire Company. (See Overmire, Charles C., assignor.)
- Krimpwire Company. (See Warren, William E., assignor.)
- Krippendorf Calculator Company. (See Leslie, Bernard S., assignor.)
- Krippendorf, Paul F. W. C., Lynn, Mass., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Shoe and insole. 1,751,742; Mar. 25.
- Krisberg, Abraham, Milwaukee, Wis. Clinker shovel. 1,751,337; Mar. 18.
- Krischer, Max, assignor to Krischer's Manufacturing Company, Brooklyn, N. Y. Receptacle holder and guard. 1,750,672; Mar. 18.
- Krischer's Manufacturing Company. (See Krischer, Max, assignor.)
- Krise, John W., Lecontes Mills, Pa. Weeder. 1,776,187; Sept. 16.
- Kriskov, Paul. (See Erb, Lanious P., assignor.)
- Krissiep, Max, assignor to Textile Machine Works, Wyomissing, Pa. Multiple-bobbin braiding carrier. 1,742,359; Jan. 7.
- Krissiep, Max, assignor to Textile Machine Works, Wyomissing, Pa. Rotary braiding machine. 1,747,720; Feb. 18.
- Krissiep, Max, assignor to Textile Machine Works, Wyomissing, Pa. Tubular braiding machine. 1,779,775; Oct. 28.
- Kristensson, Robert E., Lidings, assignor to Aktiebolaget Fribergs Hogvacuumpump, Stockholm, Sweden. Drying wet materials. 1,778,079; Oct. 14.
- Kristmann, Nicholas A., Atherton, Calif. Brake equalizing and operating mechanism. 1,744,643; Jan. 21.
- Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Fountain pen. 1,742,264; Jan. 7.
- Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Pencil tip. 1,752,563; Apr. 1.
- Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Fountain pen. 1,772,608; Aug. 12.
- Kritchevsky, Wolf, H. C. Prutsman, and E. Morrill, assignors to Rit Products Corporation, Chicago, Ill. Dye. 1,752,184; Mar. 25.
- Kritchevsky, Wolf, and K. A. Schultz, Chicago, Ill. Plastic composition. 1,759,907; May 27.
- Kritzer, Richard W., assignor to Peerless Ice Machine Company, Chicago, Ill. Cooling fan. Des. 81,836; Aug. 19.
- Krizek, Jaroslav, New York, N. Y. Sign. 1,765,536; June 24.
- Kroh, Joseph S., Chicago, Ill. Sausage-casing machine. 1,784,693; Dec. 9.
- Kroeger, Frederick C., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition timer and distributor. 1,745,546; Feb. 4.
- Kroehler Manufacturing Company. (See Beech, Alexander C., assignor.)
- Kroehler Mfg. Co. (See Dyke, Darrell F., assignor.)
- Kroemer, Joseph E., St. Paul, Minn. Twine dispensing and cutting device. 1,782,971; Nov. 25.
- Kroesen, Jay C., Belleville, N. J. Sound record. 1,776,123; Sept. 16.
- Kroger & Co. (See Minnich, Willi, assignor.)
- Kroger, Fred H., Brooklyn, N. Y., assignor to Radio Corporation of America. Air condenser. 1,777,042; Sept. 30.
- Krohn, Emil, and V. A. Lillquist, Duluth, assignors of one-third to A. W. Bjorklund, Minneapolis, Minn. Door-operating device. 1,753,272; Apr. 8.
- Krohn, Henry G., et al., executors. (See Dyas, Dave S.)
- Krohn, John, et al. (See Taylor, Verne A., assignor.)
- Kroll, Harold J., Wauwatosa, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Feeding and cutting device. 1,762,822; June 10.

- Krollage, Rudolph, McGregor, Tex. Oil vaporizer. 1,786,117; Dec. 23.
- Krom, Myron E. (See Stacy, L. J., and Krom.)
- Krom, Myron E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,763,057; June 10.
- Kromer, Fred C. Jr., Sandusky, Ohio. Electric waxing pencil. 1,769,437; July 1.
- Kromer, Theodor, Gesellschaft mit beschränkter Haftung. (See Kromer, Theodor, assignor.)
- Kromer, Theodor, assignor to Theodor Kromer Gesellschaft mit beschränkter Haftung, Freiburg, in Breisgau, Germany. Safety lock. 1,783,923; Dec. 2.
- Kromschroder, G., Aktiengesellschaft. (See Janssen, Friedrich, assignor.)
- Kronberg, Joseph H., Great Falls, Mont. Auto signal switch. 1,771,338; July 22.
- Kronborg, Kristian. (See Palmer, C. B., and Kronborg.)
- Krone, Frederick W., San Francisco, Calif. Tire construction. 1,770,313; July 8.
- Krone, Frederick W., San Francisco, Calif. Filler ring for tire structure. 1,771,963; July 29.
- Kronheim, Jacob, Cleveland, Ohio. Resilient bottom for chairs, couches, etc. 1,775,821; Sept. 16.
- Kronholz, Erich. (See Kränzlein, G., Kronholz, and Roemer.)
- Kronholz, Erich. (See Kränzlein, G., Roemer, and Kronholz.)
- Kronig, Christian. (See Wels, Franz, assignor.)
- Kronmiller, Carl G., Chicago, Ill., assignor to St. Regis Paper Company, New York, N. Y. Tape cutter. 1,753,894; Apr. 8.
- Kronquest, Alfred L., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Can-closing machine. 1,752,912; Apr. 1.
- Kronquest, William C. (See Ford, W. C., and Kronquest.)
- Kronstadt, Max, Brooklyn, N. Y. Wedding ring or similar article. Des. 81,902; Aug. 26.
- Kropf, H. W., et al. (See Le Boeuf, Russell L., assignor.)
- Kropff, Wilhelm, Berlin-Charlottenburg, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,571; June 3.
- Kropff, Wilhelm, Berlin-Charlottenburg, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,572; June 3.
- Kropp, Walter. (See Rosenthal, L., and Kropp.)
- Kropp, Walter. (See Schuelmann, W., and Kropp.)
- Kroschel, Ellena R., administratrix. (See Kroschel, Louis A.)
- Kroschel, Louis A., deceased, Los Angeles, Calif.; E. R. Kroschel, administratrix, Albany, Oreg. Built-in furniture. 1,753,423; Apr. 8.
- Kross, Walter. (See Schirmacher, K., Schlichenmaier, and Kross.)
- Krosta, Frederick, New York, N. Y. Tool. 1,765,165; June 17.
- Krotee, Walter E., Philadelphia, Pa. Gearing. 1,769,957; July 8.
- Kroupa, Jaroslav F., Kimball, S. Dak. Attachment for listed corn cultivators. 1,767,378; June 24.
- Kruckenberg, Franz. (See Heyner, Fritz, assignor.)
- Kruckenberg, Franz, Heidelberg, Germany. Securing rails to high-speed suspension monorailways. 1,763,558; June 10.
- Kruckenberg, Franz, Heidelberg, Germany. Obtaining entry and exit times of any desired length in railways with very close train sequence. 1,776,913; Sept. 30.
- Kruckenberg, Franz, Heidelberg, Germany. Device for heating and ventilating suspended high-speed railway cars. 1,778,080; Oct. 14.
- Krueger, Adolph, assignor to Marvel Specialties Corporation, Newark, N. J. Window closer. 1,756,560; Apr. 29.
- Krueger, Archibald S., and G. W. Hay, Green Bay, Wis. Paper dispenser. 1,744,644; Jan. 21.
- Krueger, Charles E., St. Paul, Minn. Vehicle radiator condenser. 1,773,685; Aug. 19.
- Krueger, Emil M., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Signaling attachment for meters. 1,765,337; June 17.
- Krueger, Frederick C. (See Hamilton, H. E., Krueger, and Hamilton.)
- Krueger, Frederick C., New London, Wis., assignor, by mesne assignments, to H. E. Hamilton. Canning machine. 1,762,443; June 10.
- Krueger, Otto. (See Pfisterer, C. F., Krueger, and Kaiser.)
- Krueger, Robert B., Lima, Ohio. Locomotive frame and engine supporting structure. 1,786,854; Dec. 30.
- Krueger, Theodore H., Derby, Conn. Tape-serving machine. 1,742,603; Jan. 7.
- Krueger, Theodore H., New York, N. Y. Package sealer. 1,782,123; Nov. 18.
- Krueger, William T., Hamilton, Mich. Closure fastener. 1,778,261; Oct. 14.
- Kruening, Karl, Jamaica, N. Y. Goggles. 1,760,650, May 27.
- Krug, William H., Taycheeda, and C. G. Akerberg, Oshkosh, Wis. Horseshoe calk. 1,777,727; Oct. 7.
- Krug, William H., Taycheeda, and C. G. Akerberg, assignors to Giant Grip Mfg. Co., Oshkosh, Wis. Detachable horseshoe calk. 1,772,609; Aug. 12.
- Kruger, Theodore. (See Rice, J. B., and Kruger.)
- Krull, Hans, Scholwin, near Stettin, and H. Dethloff, Maxau, assignors to the firm Feldmühle- und Zellstoffwerke Aktiengesellschaft, Schwolwin, near Stettin, Germany. Device for drying cellulose films. 1,755,066; Apr. 15.
- Krum, Howard L. (See Morton, S., and Krum.)
- Krum, Howard L., assignor to Teletype Corporation, Chicago, Ill. Electric selector mechanism. 1,783,382; Dec. 2.
- Krum, Howard L., and J. O. Carr, assignors, by mesne assignments, to Teletype Corporation, Chicago, Ill. Telegraph system. 1,764,316; June 17.
- Krumholz, Robert, Center Line, Mich. Flower support. 1,775,203; Sept. 9.
- Krumm, Theodore, Redlands, Calif. Fertilizer. 1,771,494; July 29.
- Krumm, William L., Chicago, Ill. Box. Des. 80,843; Apr. 1.
- Krumm, William L., Chicago, Ill. Box. Des. 81,655; July 22.
- Krummacher, Reinold, administrator. (See Thomsen, Peter.)
- Krummel, Frederick C., Brooklyn, N. Y. Conveyer. 1,769,348; July 1.
- Krummes, Charles M., San Francisco, Calif. Table construction. 1,743,972; Jan. 14.
- Krump, Nic. (See Henry, C. A., and Krump.)
- Krupinski, Nellie. (See Smitt, Frank, assignor.)
- Kruse, Charles J. (See Jacobson, H., and Kruse.)
- Kruse, Ferdinand, assignor of one-half to H. Cohn, New York, N. Y. Sausage-forming machine. 1,743,858; Jan. 14.
- Kruse, Mads, Snarebrook, London, England. Lifting jack for motor vehicles and other vehicles. 1,774,926; Sept. 2.
- Kruse, Otto V., Narberth, Pa., assignor, by mesne assignments, to I. P. Morris Corporation. Fluid-control system. 1,750,805; Mar. 18.
- Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Gauge for sheet slitters and the like. 1,754,955; Apr. 15.
- Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Safety clutch. 1,764,317; June 17.
- Kruse, Peter, Brooklyn, assignor to E. W. Bliss Company, New York, N. Y. Marginal hook-forming mechanism for can-body-making machines. 1,764,318; June 17.
- Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Apparatus for separating sheets. 1,787,077; Dec. 30.
- Kruse, Ralph H., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Method of and apparatus for controlling and also proportioning flow of combustible fluids. 1,769,373; July 1.
- Krusell, Lars G., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tube-deflating valve. 1,762,823; June 10.
- Krutt, Israel, New York, assignor of one-half to I. Sprechman, Brooklyn, N. Y. Clinching press. 1,776,124; Sept. 16.
- Krzikalla, Hans, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of complex metal compounds of o-hydroxyazo dyestuffs. 1,765,680; June 24.
- Krzikalla, Hans, and H. Kämmerer, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Treating complex metallic compounds of o-hydroxyazo dyestuffs. 1,767,379; June 24.
- Ksoll, Joseph, Breslau, Germany. Aeroplane with supporting surface subdivided by gaps. 1,770,575; July 15.
- Kubik, John, assignor of one-half to J. Lorincz, New York, N. Y. Furnace. 1,765,480; June 24.
- Kubish, John, Indian Orchard, Mass. Helicopter. 1,770,788; July 15.
- Kubler, Edwin C., New York, N. Y. Folding box. 1,775,618; Sept. 9.
- Kübler, Johannes. (See Ammann, G., and Kübler.)
- Kubler, Johannes. (See Kopelowitsch, J., and Kubler.)
- Kubler, Johannes, Baden, and E. Kobel, Ennetbaden, Switzerland. Mercury-vapor rectifier. 1,781,286; Nov. 11.
- Kubler, Johannes, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Alternating-current-control system. 1,766,653; June 24.
- Kubler, Johannes, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Transformer cooling apparatus. 1,766,654; June 24.
- Kubler, Johannes, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Cooling device. 1,766,655; June 24.
- Küch, Karl, et al. (See Lüdorf, Gustav, assignor.)
- Kucharski, Stanislaus, Berlin-Charlottenburg, Germany. Playing musical instruments. 1,768,079; June 24.
- Kucharzik, Adolf, Berlin, and A. Schmidt, Berlin-Charlottenburg, Germany. Relatively stationary body with a single punctiform or approximately punctiform support or a plurality of such supports in one row. 1,748,514; Feb. 25.
- Kuchenbecker, Adolf. (See Wagner, H., Kichenbecker, and Huss.)
- Küchenmeister, Heinrich, Berlin, Germany. Head telephone. 1,747,778; Feb. 18.
- Küchenmeister, Heinrich, Berlin, Germany. Acoustic apparatus, particularly signaling apparatus. 1,752,185; Mar. 25.

- Küchenmeister, Heinrich, Berlin, Germany. Apparatus for making sound records. 1,765,923; June 24.
- Küchenmeister, Heinrich, Berlin, Germany. Method of and apparatus for increasing the volume of mechanically-reproduced sounds. 1,775,248; Sept. 9.
- Kucher, Andrew A., Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator. 1,751,209; Mar. 18.
- Kucher, Andrew A., Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company. Liquid cooler. 1,757,638; May 6.
- Kucher, Andrew A., Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator-motor-lubricating system. 1,763,162; June 10.
- Kuchera, Frank, Tacoma, Wash. Swing. 1,748,353; Feb. 25.
- Kuchinsky, Matthew K., Newark, N. J. Loud-speaker unit. 1,756,791; Apr. 29.
- Kuck, Henry G., assignor to Stuber & Kuck Co., Peoria, Ill. Egg beater. 1,761,634; June 3.
- Kuckel, Herbert, New Orleans, La. Refrigerator shelf. 1,748,843; Feb. 25.
- Kuczorra, Wilhelm, Berlin, Germany. Advertising device. 1,768,409; June 24.
- Kucich, Reginald A. (See Rehe, Albert K., assignor.)
- Kuder, Karl J., assignor to The Oesterlein Machine Company, Cincinnati, Ohio. Force-feed lubrication mechanism. 1,771,301; July 22.
- Kudrna, Frank, jr., and N. Yirkosky, Chicago, Ill. Switch for automobile burglar-alarm systems. 1,767,380; June 24.
- Kudzia, Ludwik, Jaraczew, Poland. Snowplow for engines. 1,751,822; Mar. 25.
- Kuechenmeister, John H., Clayton, Mo. Container and making same. 1,744,973; Jan. 28.
- Kuechler, Fred E., St. Louis, Mo. Paper cutter or trimmer. 1,779,134; Oct. 21.
- Kueffer, Frederick W., deceased; M. Kueffer, administratrix, assignor to Safety Oil Tank Company, Independence, Mo. Floating roof for oil tanks. 1,765,593; June 24.
- Kueffer, Madge, administratrix. (See Kueffer, Frederick H.)
- Kuehn, Paul M., assignor to The Bartlett Hayward Company, Baltimore, Md. Plate-bending machine. 1,744,391; Jan. 21.
- Kuehn, Paul M., assignor to The Bartlett Hayward Company, Baltimore, Md. Centrifugal scrubber. 1,759,315; May 20.
- Kuehne, Joseph N., Bellevue, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Extension device. 1,749,036; Mar. 4.
- Kuen, Eugene A., Cincinnati, Ohio. Radio frequency circuits. 1,764,454; June 17.
- Kuenhold, Otto J., Cleveland, assignor to The Dunham Company, Berea, Ohio. Water heater. 1,754,472; Apr. 15.
- Kuene, Arthur, Chicago, Ill. Saw. 1,755,067; Apr. 15.
- Kuentler, Walter E., New York, N. Y. Radiator. 1,759,120; May 20.
- Kuffner, Joseph, Milwaukee, Wis. Expansible mandrel. 1,777,316; Oct. 7.
- Kufrin, Frank. (See Grahek, Frank, assignor.)
- Kugler, Charles H., Lexington, Nebr. Parachute. 1,776,629; Sept. 23.
- Kugler, Heinrich, assignor to J. Kessler and G. Fischer, Zurich, Switzerland. Device for delivering matches in matchmaking machines. 1,777,696; Oct. 7.
- Kugler, Heinrich, assignor to J. Kessler and G. Fischer, Zurich, Switzerland. Match-making machine. 1,778,262; Oct. 14.
- Kugel, Moritz, Modling, near Vienna, Austria. Electrolyte for lead accumulators and using the same. 1,748,485; Feb. 25.
- Kuhlike, Otto J., assignor to National Rubber Machinery Company, Akron, Ohio. Apparatus for making molds. 1,778,500; Oct. 14.
- Kühl, Theodor. (See Pfeiffer, F., and Kühl.)
- Kuhlmann, Arthur H., University City, Mo. Weather-proofing means. 1,754,956; Apr. 15.
- Kuhlman, Carl H., assignor to The American Temperature Indicating Company, Toledo, Ohio. Telethermometer control. 1,770,000; July 8.
- Kuhlmann, Clemens, Ratibor, assignor to Siemens Planiwerke Aktiengesellschaft für Kohlefabrikate, Berlin-Lichtenberg, Germany. Electrode joint. 1,785,587; Dec. 16.
- Kuhlman, Henry J., Colesburg, Iowa. Gathering, snapping, and husking rolls for corn harvesters. 1,764,686; June 17.
- Kuhlman, Henry J., Colesburg, assignor to E. D. Neikirk, Ravenna, Ohio. Lawn mower. 1,778,219; Oct. 14.
- Kuhn, Arthur, assignor to the firm Carl Still, Recklinghausen, Germany. Distillation or like column. 1,772,399; Aug. 5.
- Kuhn, Clarence W., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Protecting contacts of electric switches. 1,758,752; May 13.
- Kuhn, Frank, assignor to American Electrical Heater Company, Detroit, Mich. Handle assembly. 1,780,825; Nov. 4.
- Kuhn, Frank, assignor to American Electrical Heater Company, Detroit, Mich. Handle assembly. 1,780,826; Nov. 4.
- Kuhn, Frank, and L. H. Thomas, assignors to American Electrical Heater Company, Detroit, Mich. Electric toaster. 1,762,176; June 10.
- Kuhn, Frederick X., Waltham, assignor to Kuhn Ice Cream Machinery Company, Boston, Mass. Container-lining machine. 1,745,936; Feb. 4.
- Kuhn Ice Cream Machinery Company. (See Kuhn, Frederick X., assignor.)
- Kuhn, Max O., assignor to The Firestone Steel Products Company, Akron, Ohio. Punching and riveting press. 1,769,697; July 1.
- Kühn, Wilhelm, Frankfurt-on-the-Main-Eschersheim, Germany. Hydraulic gear. 1,777,851; Oct. 7.
- Kuhne, Bernhard G., and H. Haiss, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Mold-manipulating method and apparatus. 1,746,267; Feb. 11.
- Kühnel, Carl, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Brush for the supply of electric current. 1,770,617; July 15.
- Kuhnheim, Henry C., Newport, Ky. Belt buckle. 1,753,864; Apr. 8.
- Kuhnla, August, Inc. (See Kuhnla, Charles F., assignor.)
- Kuhnla, Charles F., Jamaica, N. Y., assignor to August Kuhnla, Inc. Building structure. 1,742,209; Jan. 7.
- Kuhr, Ernest, Leipzig, assignor to the firm Brunsviga-Maschinenwerke Grimme, Natalis & Co. A.-G., Braunschweig, Germany. Printing mechanism for calculating machines. 1,776,076; Sept. 16.
- Kukulski, Anthony F., Philadelphia, Pa. Sanitary sink rack. 1,774,278; Aug. 26.
- Kulair Corporation. (See Dunning, Elmer D., assignor.)
- Kulair Corporation. (See Gail, George W., assignor.)
- Kulair Corporation. (See Gail, G. W., and Kusel, assignors.)
- Kulair Corporation. (See Kusel, Abraham J., assignor.)
- Kulair Corporation. (See Kusel, A. J., and Gail, assignors.)
- Kulier, John A., Brooklyn, N. Y. Electrical connector. 1,744,230; Jan. 21.
- Kulik, Irving, Brooklyn, N. Y. Air-emitting and electric-light-actuating mirror. 1,764,455; June 17.
- Kulik, Irving, Brooklyn, N. Y. Absorbent roll. 1,766,341; June 24.
- Kullman, Jacob, Hillsborough, Calif. Acoustical device. 1,769,438; July 1.
- Kulp, Harry W., assignor of one-half to M. C. Dellinger, Lancaster, Pa. Sharpener for knives, scissors, and the like. 1,743,359; Jan. 14.
- Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Shield. 1,776,159; Sept. 16.
- Kulp Theftproof Lamp Company. (See Wanamaker, Ernest, assignor.)
- Kulzinski, Mstislav, assignor to Eesti Patendi Aktsiaselts, Tallinn, Estonia. Apparatus for dry distillation. 1,770,107; July 8.
- Kumor, Stefan F., Chicago, Ill. Aircraft. 1,785,633; Dec. 16.
- Kumpf, August D., assignor to Berger Brothers Company, Philadelphia, Pa. Mechanism for crimping leader pipe. 1,777,728; Oct. 7.
- Kummel, Adolf. (See Cohn, A., and Kummel.)
- Kümmel, Paul. (See Hartmann, E., Hardtmann, and Kümmel.)
- Kummer, Frederick C., assignor to Kerner Incinerator Company, Wauwatosa, Wis. Saw guard. 1,764,634; June 17.
- Kummeth, Frank J., Heron Lake, Minn. Hen's nest. 1,758,753; May 13.
- Kümmich, Richard. (See Osnos, M., and Kümmich.)
- Kuna, Frank J. (See Lorang, Henry J., assignor.)
- Kunath, Franz R., West Haven, Conn. Cover for culinary utensils. 1,776,035; Sept. 16.
- Kunberger, Albert F., Swarthmore, assignor to The United Gas Improvement Company, Philadelphia, Pa. Purifying gas from hydrogen sulphide with production of zinc sulphide. 1,759,408; May 20.
- Kungie, Joseph. (See Borostyan, Joseph, assignor.)
- Kunike, George O., Dunnellen, N. J. Aeroplane. 1,773,625; Aug. 19.
- Kunin, Paul, and I. E. McElroy, Minneapolis, Minn.; said McElroy assignor to said Kunin. Winding device. 1,759,265; May 20.
- Kunkel, Howard P., Quincy, Ill., assignor to Oakland Foundry Company, Belleville, Ill. Stove. Des. 81,656; July 22.
- Kunkel, Victor V., Los Angeles, Calif. Toy bird. 1,782,042; Nov. 18.
- Kunsman, Charles H., Stone Church, Pa., assignor to A. B. Lamb, trustee. Positive-ion emitter. 1,767,218; June 24.
- Kunstländer-Patent-Verwertungs-Aktiengesellschaft. (See Liljenroth, Frans G., assignor.)
- Kunstharzfabrik Dr. Fritz Pollak Gesellschaft m. b. H. (See Ripper, Kurt, assignor.)
- Kuntz, Adolph, Washington, D. C. Support applicable to golf bags. 1,744,557; Jan. 21.
- Kuntz, Georgie E., executrix. (See Sturcke, Herman E.)
- Kuntz, William J., York, Pa. Beater mill. 1,742,511; Jan. 7.
- Kuntze, Karl, A. Haller, and E. Wirz, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric control apparatus. 1,766,656; June 24.
- Kunz, Albert. (See Norton, C. A., and Kunz.)

- Kunz, Eric C., Montclair, N. J. Stabilized aldehyde or aldehyde-containing compound and making the same. 1,757,967; May 13.
- Kunz, Joseph H., Wilbur, Wash. Reel for harvesting machines. 1,770,077; July 8.
- Kunz, Max A., Mannheim, Switzerland, and K. Köberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Tribalogenated ms-benzdianthrones. 1,758,841; May 13.
- Kunze, Willy, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass. Measuring short intervals of time. 1,759,648; May 20.
- Kuntzleman, Roy A., Barberton, Ohio. Device for teaching penmanship. 1,783,657; Dec. 2.
- Kupec, William J. (See Chapin, P. P., and Kupec.)
- Kupetz, Adolph G., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,743,859; Jan. 14.
- Kupfer, Theodore W., Rochester, N. Y. Key guard. 1,761,131; June 3.
- Kupfer, William H., Chicago, Ill. Badge. 1,765,431; June 24.
- Kupferschmid, Karl. (See Rosin, E. A., and Kupferschmid.)
- Kupka, Johann, London, England. Valve gear. 1,748,844; Feb. 25.
- Kupper, Herman C., Inc. (See Howlett, Henry P., assignor.)
- Küpper, Josef, Cologne, Germany. Method of manufacturing face masks, pseudo reproductions of articles and the like, and a device for carrying this method into practice. 1,764,215; June 17.
- Kurasch, Claude H. (See Medler, F., and Kurasch.)
- Kurasiewicz, Bronislaw. (See Pludowski, Alexander, assignor.)
- Kurata, Taizo, Kurume-Shi, Japan. Making footwear. 1,742,866; Jan. 7.
- Kurda, Karl, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Voltage-control system. 1,764,319; June 17.
- Kurda, Karl, and P. Schade, Nuremberg, Germany, assignors to Westinghouse Electric & Manufacturing Company. Regulating transformers. 1,764,320; June 17.
- Kurek, Edmund. (See Pospisil, Rudolph E., assignor.)
- Kurihara, Yasaku, Los Angeles, Calif. Lawn rake. 1,768,080; June 24.
- Kurita, Torao. (See Suzuki, T., Tanaka, and Kurita.)
- Kurkjian, Yervant H., Hawthorne, N. J., assignor to Carl J. Schmid, Inc., New York, N. Y. Rubber-device former. 1,773,148; Aug. 19.
- Kurkjian, Armen S. (See Baldwin, M. D., Kurkjian, and Renwick.)
- Kurkowski, Joseph, Carrick, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Hot punching and shearing machine. 1,755,994; Apr. 22.
- Kurokawa, Kensuke, Shimonoeki, Japan. Machine for manufacturing hollow rubber balls. 1,769,741; July 1.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,745,494; Feb. 4.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,752,491; Apr. 1.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,755,183; Apr. 22.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,761,795; June 3.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,764,321; June 17.
- Kurowski, Alfred G. F., Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,765,727; June 24.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,765,728; June 24.
- Kurowski, Alfred G. F., Brooklyn, N. Y., and J. A. B. Smith, Stamford, Conn., assignors to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card-perforating machine. 1,745,172; Jan. 28.
- Kurowski, Alfred G. F., and C. M. Lawrence, Brooklyn, assignors to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine for the blind. 1,767,247; June 24.
- Kursheedt, Edmund B., Daytona Beach, Fla. Piano-lid adjuster. 1,785,486; Dec. 16.
- Kurten, Mathies, assignor to Wheary Trunk Company, Racine, Wis. Drawer-locking device. 1,744,645; Jan. 21.
- Kurten, Mathies, assignor to Wheary Trunk Company, Racine, Wis. Drawer-locking device. 1,744,646; Jan. 21.
- Kurth, Matthew G., assignor to Master Machinery and Implement Company, Madison, Wis. Hay loader. 1,781,332; Nov. 11.
- Kurtz, Alfred, Brooklyn, N. Y. Plaited hat lining and method and apparatus for making the same. 1,763,468; June 10.
- Kurtz, Charles F., Rock Island, Ill., assignor, by mesne assignments, to L. J. Shields, St. Paul, Minn. Coin-operated vending machine. 1,782,659; Nov. 25.
- Kurtz, Cyrus B., Lakewood, assignor to The National Appliance Company, Cleveland, Ohio. Vehicle light. 1,786,400; Dec. 23.
- Kurtz, Daniel W. B., Jr., Columbia, Mo. Record or index card. 1,755,961; Apr. 22.
- Kurtz, Daniel W. B., Jr., Columbia, Mo. Equipment or attachment to expedite handling of cards in large lots for inspection of same. 1,785,815; Dec. 23.
- Kurtz, Henry F. (See Rayton, W. B., and Kurtz.)
- Kurtz, Henry F., Rochester, N. Y., assignor to B. L. Singley, Meadville, Pa. Indicating lamp for automobiles. Des. 81,701; July 29.
- Kurtz, Henry F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Light-analysis apparatus. 1,746,083; Feb. 4.
- Kurtz, Roberto, Buenos Aires, Argentina. Excavating machine. 1,785,353; Dec. 16.
- Kurtz, Thomas N. (See Loftus, F. H., and Kurtz.)
- Kurtzon, Morris, Highland Park, assignor to Garden City Plating and Manufacturing Company, Chicago, Ill. Roller or caster. 1,780,755; Nov. 4.
- Kusebauch, Anton K. (See Lower, N. M., Kusebauch, and Chalker.)
- Kusel, Abraham J. (See Gail, G. W., and Kusel.)
- Kusel, Abraham J., Ashburton, Baltimore, and G. W. Gail, Ruxton, assignors to Kulair Corporation, Baltimore, Md. Evaporator for refrigerating machines of the flooded type. 1,743,896; Jan. 14.
- Kusel, Abraham J., Baltimore, Md., assignor to Kulair Corporation. Refrigerating valve and constructing the same. 1,780,593; Nov. 4.
- Kusel, Daniel, Watertown, Wis. Cheese vat. 1,744,315; Jan. 21.
- Kushlin, William, H. Kesner, Brooklyn, and I. Oltsik, New York, N. Y. Pillow. Des. 82,507; Nov. 11.
- Kussa, Edward, and W. E. Long, Chicago, Ill., assignors to The W. E. Long Co. Baking pan and method of baking. 1,749,433; Mar. 4.
- Kussat, Rudolf O. (See Fleischer, Charles, assignor.)
- Kusterle, Frank, assignor to Simmons Company, Kenosha, Wis. Side-rail lock. 1,772,668; Aug. 12.
- Kusterle, Frank, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Side-rail lock for hospital bedsteads and the like. 1,777,886; Oct. 7.
- Kutaszewic, Felix, Warsaw, Poland. Machine for treating materials. 1,777,205; Sept. 30.
- Kutchka, Karl G., Wilksburg, Pa., assignor to Pittsburgh Plate Glass Company. Sheet-glass leer. 1,771,180; July 22.
- Kutscheid, John J., assignor to Dreis & Krump Manufacturing Co., Chicago, Ill. Holddown for squaring shears. 1,761,351; June 3.
- Kutter, Herman L. (See Briede, C. B., and Kutter.)
- Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 1,764,322; June 17.
- Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Bearing. 1,769,374; July 1.
- Kutter, Herman L., Hamilton, Ohio, assignor to Beloit Iron Works, Beloit, Wis. Fourdrinier paper machine. 1,773,270; Aug. 19.
- Kutz, Walter G., Toledo, Ohio. Artificial bait. 1,786,568; Dec. 30.
- Kutz, William, Ravenna, Nebr. Grain-spout holder. 1,759,858; May 27.
- Kutzer, Adolf, Leipzig-Stung, Germany. Sink for the separation of volatile liquids from waste water. 1,778,326; Oct. 14.
- Kutzner, Gustave, Courbevoie, France. Sliding window for vehicles. 1,757,639; May 6.
- Kuwata, Tsutomu. (See Tanaka, Y., and Kuwata.)
- Kuykendall, Aleck G., Grandview, Wash. Apparatus for liquefying solidified honey. 1,761,479; June 3.
- Kwartin, Bernard, Philadelphia, Pa. Sound-reproducing instrument. 1,748,515; Feb. 25.
- Kwartin, Bernard, Philadelphia, Pa. Apparatus for and method of photographically recording sounds. 1,759,580; May 20.
- Kwartin, Bernard, Philadelphia, Pa. Method and apparatus for recording and reproducing sound waves. 1,759,581; May 20.
- Kwartin, Bernard, Philadelphia, Pa. Method of and apparatus for recording and reproducing sounds. 1,781,550; Nov. 11.
- Kwiatkowski, Joseph, Perth Amboy, N. J. Work-handling crane for locomotive appurtenances. 1,784,694; Dec. 9.
- Kwik-Mix Concrete Mixer Co. (See Gilson, Michael, assignor.)
- Kyle, Colin, San Jose, Calif., assignor, by mesne assignments, to United Reproducers Patents Corporation, St. Charles, Ill. Acoustic device. 1,745,937; Feb. 4.
- Kyle, Colin, San Jose, Calif., assignor to Newcombe-Hawley, Inc., Chicago, Ill. Acoustic device. 1,746,540; Feb. 11.
- Kyle, Colin, San Jose, Calif., assignor, by mesne assignments, to United Reproducers Patents Corporation, St. Charles, Ill. Acoustic device. 1,777,170; Sept. 30.
- Kyle, Matthew. (See Whitlock, George E., assignor.)
- Kyle, Robert H., Grandview, Calif. Safety plug. 1,762,064; June 3.
- Kyle, William D., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Insulator rack. 1,749,915; Mar. 11.
- Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse box. 1,781,876; Nov. 18.

- Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Making quinaldine. 1,752,492; Apr. 1.
- Kysor, Walter A., Cadillac, Mich. Heating means for motor vehicles. 1,764,799; June 17.
- L. & B. Jewelry Manufacturing Company. (See Bertherman, Sidney J., assignor.)
- L. C. L. Corporation, The. (See Clarkson, Edwin S., assignor.)
- L. C. L. Corporation, The. (See Woodruff, Graham C., assignor.)
- L. G. S. Devices Corporation. (See Brownlee, Dalmar T., assignor.)
- L. G. S. Devices Corporation. (See Burton, Ralph B., assignor.)
- L. G. S. Devices Corporation. (See Starkey, William C., assignor.)
- Laabs, Eric H., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Clutch. 1,767,593; June 24.
- Laabs, William, Milwaukee, Wis., assignor to The Allbright-Nell Company, Chicago, Ill. Rendering process. 1,761,480; June 3.
- Laacke, Richard T., Milwaukee, assignor to Canvas Products Corporation, Fond du Lac, Wis. Insulating can jacket. 1,768,989; July 1.
- La Barr, Ralph M., St. Paul, Minn. Door spring and stop. 1,765,798; June 24.
- Labauagh, James M., Paterson, N. J., assignor to American Telephone and Telegraph Company. Casing for a telephone substation set. Des. 82,387; Oct. 28.
- Labauagh, James M., Paterson, N. J., assignor to American Telephone and Telegraph Company. Casing for a telephone substation set. Des. 82,612; Nov. 25.
- Labauagh, James M., Paterson, N. J., assignor to American Telephone and Telegraph Company. Casing for a telephone substation set. Des. 82,613; Nov. 25.
- La Baue, Duclise J., Lake Charles, La. Utility shear. 1,750,411; Mar. 11.
- Labbe, Armand L., Murray, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for removing dust from electrodes. 1,758,404; May 13.
- La Beef, Charles H. (See Quade, K. G., and La Beef.)
- La Belle, Roy J. (See Nelson, H. O., and La Belle.)
- La Belle Specialty Co. (See Kiwad, Michael, assignor.)
- La Belle Specialty Co. (See Kiwad, Michael, assignor.)
- La Bille, Joseph A., assignor of one-half to W. G. Hannan, Chicago, Ill. Air-navigating machine. 1,775,284; Sept. 9.
- Labisky, Henry S., Seattle, Wash. Washing-machine agitator. 1,753,521; Apr. 8.
- La Bombard, Leon E., West Newton, assignor to Specialty Automatic Machine Company, Chelsea, Mass. Package of rolled sheets. 1,765,417; June 24.
- La Bombard, Leon E., West Newton, and M. H. Sidebotham, Newtonville, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Article holder. 1,765,415; June 24.
- La Bombard, Leon E., Waltham, and M. H. Sidebotham, Newtonville, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Feeding mechanism for assembling and packaging machines. 1,765,416; June 24.
- La Bombard, Leon E., Waltham, and M. H. Sidebotham, West Newton, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Box partitioning. 1,785,416; Dec. 16.
- Labombarde, Elie W., Nashua, N. H. Paper box for liquids. 1,745,101; Jan. 28.
- Laboratories Sévigné-Pearl, Inc. (See Pearl, Azariah Y., assignor.)
- Laboratory of Research Chemotherapy, The. (See John R., assignor.)
- Laboratory Products Company, The. (See Frohring, W. O., and Richards, assignors.)
- Laboratory Products Company, The. (See Richards, William F., assignor.)
- La Bour, Harry E., Homewood, Ill. Sewage ejector. 1,774,234; Aug. 26.
- La Bour, Harry E., Homewood, Ill. Pumping system. 1,775,860; Sept. 16.
- Labovitz, Samuel, Minneapolis, Minn. Garment. 1,752,186; Mar. 25.
- La Branch, Louis, Dayton, Ohio. Oil burner. 1,764,109; June 17.
- Labrély, Emile, Chaton, France. Photographic apparatus. 1,744,773; Jan. 28.
- Labrie, Anthony, Haverhill, Mass. Clamping member for sole-rounding machines. 1,755,606; Apr. 22.
- La Brie, Howard McD. (See Breakell, J., and La Brie.)
- La Brie, Ludger E., assignor to Motor Industries, Inc., Chicago, Ill. Rim for vehicle wheels. 1,750,673; Mar. 18.
- La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake shoe. 1,753,208; Apr. 8.
- La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,756,982; May 6.
- La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,756,983; May 6.
- La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,762,691; June 10.
- La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Braking system. 1,781,112; Nov. 11.
- La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating means. 1,784,295; Dec. 9.
- La Brosse, Arthur. (See de Repentigny, Arthur, assignor.)
- La Burthe, Pierre, and G. Delpach, Nemours, assignors to Société Quartz & Silice, Paris, France. Hot stamping articles of fused silica. 1,777,206; Sept. 30.
- Labus, Otto A., assignor to American Carbonic Machinery Company, Wisconsin Rapids, Wis. Heat exchanger. 1,769,265; July 1.
- Labus, Otto A., assignor, by mesne assignments, to National Carbonic Machinery Company, Wisconsin Rapids, Wis. Stuffing box. 1,787,317; Dec. 30.
- La Carbonisation, Société Generale d'Exploitation des Carbones. (See Jakova-Merturi, Gaspard, assignor.)
- Lacene Manufacturing Company. (See Cogswell, Leander A., assignor.)
- Lacerda, Harry A., Watervliet, N. Y. Boilermaker's tool. 1,779,323; Oct. 21.
- Lacey, Claren R. (See Lacey, Robert F., F. J., C. R., and P. H.)
- Lacey, Frank J. (See Lacey, Robert F., F. J., C. R., and P. H.)
- Lacey, Paul H. (See Lacey, Robert F., F. J., C. R., and P. H.)
- Lacey, Paul H., Chicago, Ill. Outlet for baseboard raceways. 1,755,545; Apr. 22.
- Lacey, Robert F., F. J. Lacey, C. R. Lacey, and P. H. Lacey, Pomona, Calif., assignors to Min-Et Products, Inc., Reno, Nev. Mixer. 1,775,566; Sept. 9.
- Lacey, Walter E., Springfield, assignor, by mesne assignments, to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,768,614; July 1.
- Lacey, Wilbur E., Isleton, Calif. Canning apparatus. 1,759,357; May 20.
- Lacey, Wilbur E., Isleton, Calif. Resilient vehicle wheel. 1,759,358; May 20.
- Lach, Frank H., Chicago, Ill. Body-drying implement. 1,750,845; Mar. 18.
- Lach, John J., Chicago, Ill., assignor to The Anderson Company, Gary, Ind. Can-capping machine. 1,760,859; May 27.
- Lachamp, Edmond, Vienna, Austria, and E. Perret, Geneva, Switzerland. Deep-boring apparatus. 1,770,488; July 15.
- La Chapelle, Euclid I., Brockton, Mass. Making shoes. 1,753,792; Apr. 8.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,757,200; May 6.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and the manufacture thereof. 1,775,131; Sept. 9.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of string or twine. 1,777,096; Sept. 30.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating boot and shoe parts. 1,778,951; Oct. 21.
- Lachner, Martin, Delawana, N. J. Sand spreader for trucks. 1,751,928; Mar. 25.
- Lacina, Mertina, administratrix. (See Lacina, Peter W.)
- Lacina, Peter W., deceased, by M. Lacina, administratrix, Leney, Saskatchewan, Canada. Flying machine. 1,761,481; June 3.
- Lacke, William A., Chicago, Ill. Sheet-metal heating furnace. 1,749,143; Mar. 4.
- Lackey, Bert. (See Hestand, Bedford, assignor.)
- Lackey, Robert M., Cohoes, N. Y. Carry bundle strap. 1,772,009; Aug. 5.
- Lackner Products Corporation. (See Lackner, Rolph J., assignor.)
- Lackner, Rolph J., Ozone Park, assignor to Lackner Products Corporation, Brooklyn, N. Y. Reflector and traffic signal. 1,774,099; Aug. 26.
- Laclede Steel Company. (See Friberg, Bengt F., assignor.)
- Laclede Steel Company. (See Rippstein, Edwin E., assignor.)
- Laclede Steel Company. (See Young, Lafayette, assignor.)
- Lacoste, Jean R., Courbevoie, France. Ball-throwing device. 1,777,976; Oct. 7.
- LaCourt, Peter, Boston, Mass. Machine for melting snow. 1,759,859; May 27.
- La Croix, Cordelia, San Francisco, Calif. Knitting board. 1,776,561; Sept. 23.
- L'Action a Distance et al. (See Delalande, André D. G., assignor.)
- Lacy, Frank R., Chicago, Ill. Electrically-heated utensil. 1,757,253; May 6.
- Lacy, Jesse C., Richmond, Va. Portable signature conveyer. 1,787,383; Dec. 30.
- Lacy, Kenneth B., assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Dehydrogenating alcohols. 1,764,962; June 17.
- Lacy, Walter P., et al. (See Patterson, Edgar W., assignor.)
- Lacy, William G., et al. (See Patterson, Edgar W., assignor.)
- Ladas, Theodore A., San Francisco, Calif. Sill and body bolster for railway vehicles. 1,771,090; July 22.

- Ladd, Bruce C., Glendale, Calif., assignor to The Clark Grave Vault Company, Columbus, Ohio. Display stand for grave vaults. 1,746,355; Feb. 11.
- Ladd, George E., Washington, D. C. Fastening means for sheet-metal culverts. 1,776,472; Sept. 23.
- Ladd, George T., Pittsburgh, Pa., assignor to Ladd Water Tube Boiler Company, New York, N. Y. Waste-heat boiler. 1,752,673; Apr. 1.
- Ladd, J. B. (See Schultz, Edward, assignor.)
- Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Centrifugal casting machine. 1,762,177; June 10.
- Ladd, Lillian R., Mobile, Ala. Bridge-game accessory. 1,781,850; Nov. 18.
- Ladd, Theodore K., assignor of one-half to J. R. Stephens, Comanche, Tex. Automatic gate. 1,748,721; Feb. 25.
- Ladd Water Tube Boiler Company. (See Crane, Joseph B., assignor.)
- Ladd Water Tube Boiler Company. (See Ladd, George T., assignor.)
- Ladd, William H., Long Beach, Calif. Marine rescue and salvage outfit. 1,776,630; Sept. 23.
- Laddon, Isaac M., Dayton, Ohio. Aircraft landing gear. 1,768,696; July 1.
- Laddon, Isaac M., and W. A. Ring, Dayton, Ohio, assignors to Bendix Brake Company, Chicago, Ill. Duplex operating device. 1,774,558; Sept. 2.
- Lade, Archibald, Northampton, assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Journal bearing. 1,762,444; June 10.
- Lade, Archibald, Northampton, assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Calendar roll. 1,785,265; Dec. 16.
- La Due, Roy C. (See Goyke, H. A., and La Due.)
- La Duke, Louis M., assignor to Potter Manufacturing Company, Jackson, Mich. Metallic trunk. 1,767,143; June 24.
- Laengel, Henri C., Paris, France. Automatic fire extinguisher. 1,766,912; June 24.
- Laetsch, John Paul, Zurich, Switzerland, and P. Litty, Leipzig, Germany. Method and machine for testing textiles. 1,776,514; Sept. 23.
- Laeuger, Paul, assignor to the firm: J. R. Geigy, L. A., Basel, Switzerland. Manufacture of acid dyestuffs of the phenonaphthosafranine series. 1,779,279; Oct. 21.
- Laeuger, Paul, assignor to the firm J. R. Geigy, S. A., Basel, Switzerland. Manufacture of acid dyestuffs of the phenonaphthosafranine series. 1,782,356; Nov. 18.
- Lafayette Company, The. (See Stubbs, H. R., and Watson, assignors.)
- Lafferty, Arthur R., assignor to Burroughs Adding Machine Company, Detroit, Mich. Automatic plate ejector. 1,748,720; Feb. 25.
- Lafferty, Arthur R., and F. L. Turner, assignors to Burroughs Adding Machine Company, Detroit, Mich. Machine and method for making springs. 1,774,495; Aug. 26.
- Lafillée, Jacques J., Paris, France. Folding table. 1,785,450; Dec. 16.
- Laffrey, William J., Detroit, Mich., assignor to Central Alloy Steel Corporation, Canton, Ohio. Oven lining. 1,770,930; July 22.
- Lafite, Roger G., Kansas City, Mo. Terminal-post attachment for spark plugs. 1,765,868; June 24.
- La Follette, Albert S., Kenova, W. Va. Cooling apparatus for motors. 1,743,041; Jan. 7.
- La Fonderie de Plessisville. (See Tardif, O., and Carlier, assignors.)
- La Force, Burdette D., Ottumwa, Iowa. Tonometer. 1,743,461; Jan. 14.
- La Forest, Louis Z., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,763,661; June 17.
- La Forge, Albert W., Chino, Calif. Hand rake. 1,757,201; May 6.
- La Forge, Guy S., Union Bridge, Md. Manufacturing Portland cement. 1,784,840; Dec. 16.
- Lafrance, David J., assignor to The Carter's Ink Company, Cambridge, Mass. Support for fountain-pen holders. 1,749,037; Mar. 4.
- La France, Richard, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Cooling furnace walls. 1,751,008; Mar. 18.
- La France, Richard, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass-forming machine. 1,764,268; June 17.
- La France, Richard, assignor to Owens-Illinois Glass Company, Toledo, Ohio. 1,778,763; Oct. 21.
- La France, Richard, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming glass articles. 1,783,191; Dec. 2.
- Laftman, Axel B., Bayonne, N. J., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Reducing the zinc-oxide content of lithopone. 1,780,559; Nov. 4.
- La Gasse, Delphis A., Fall River, Mass. Crate attachment. 1,782,307; Nov. 18.
- Lage, Frederick, Gladbrook, Iowa. Road and field conditioning device. 1,779,548; Oct. 28.
- Lage, Frederick, Gladbrook, Iowa. Sanitary poultry nest. 1,784,101; Dec. 9.
- Lagerblade, Herbert C., assignor to The Horton Manufacturing Company, Bristol, Conn. Welding strip for golf shafts. 1,783,802; Dec. 2.
- Lagerfeldt, Wilfred E., Iron Mountain, Mich. Spring tractor wheel. 1,759,860; May 27.
- Lagerholm, Carl J., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Pocket lighter. 1,743,610; Jan. 14.
- La Gier, August, Los Angeles, Calif. Sandwich booth. Des. 82,095; Sept. 23.
- Lagier, Celestin I., Stockton, Calif. Flesh cutting and searing shears. 1,763,894; June 17.
- Lagomarsino, E. J. (See Lydon, Patrick J., assignor.)
- La Grant, John F., et al. (See Lieske, Frank J., assignor.)
- Lahay, Dell J., Carney, Mich. Roundabout. 1,752,600; Apr. 1.
- Lahay, Dell J., Carney, assignor to Universal Playground Equipment Company, Menominee, Mich. Roundabout. 1,782,207; Nov. 18.
- Laher, Frank J., Oakland, Calif. Automobile bumper. 1,783,335; Dec. 2.
- Lahey, William E., Lima, Ohio. Pipe clamp. 1,783,509; Dec. 2.
- La Hodny, William, assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Combined mirror and instrument. Des. 82,436; Nov. 4.
- La Hodny, William, assignor to Standard Mirror Company Inc., Buffalo, N. Y. Rear-view mirror. 1,744,316; Jan. 21.
- La Hodny, William, assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Mounting for plate mirrors. 1,773,736; Aug. 26.
- Lahr, Marcus A., Tulsa, Okla. Wheel aligner. 1,782,827; Nov. 25.
- Laib, William L., Oak Park, Ill. Lamp and lamp hood and connection for electric signs. 1,753,209; Apr. 8.
- Laib, William L., Oak Park, Ill. Lamp hood for electric lamps. 1,753,273; Apr. 8.
- Laib, William L., Oak Park, Ill. Whipper and mixer. 1,783,437; Dec. 2.
- Laible, Charles L., Fort Thomas, Ky. Shoe. 1,767,801; June 24.
- Laing, Bryan. (See Nielsen, H., and Laing.)
- Laing, Edward M., Highland Park, Ill. Greens whip. 1,748,354; Feb. 25.
- Laing, Edward M., Highland Park, Ill. Golf-ball cleaner. 1,773,149; Aug. 19.
- Laing, Edward M., Highland Park, Ill. Golf-ball washer. 1,781,113; Nov. 11.
- Laing, William. (See Townley, Stephen B. and P. B., Laing.)
- Lair, Abraham W., Los Angeles, Calif. Massage machine. 1,762,692; June 10.
- Laird, Herbert W., Tampa, Fla. Health suspender shirt. 1,751,701; Mar. 25.
- Laird, James A., Huntington, assignor of ten per cent to R. A. Courtney, Lufkin, Tex. Cotton chopper. 1,786,661; Dec. 30.
- Laird, Wilbur G., assignor to Heat Treating Company, New York, N. Y. Recovering natural gasoline. 1,769,698; July 1.
- Laist, Alex, Helena, Mont., assignor to Anaconda Copper Mining Company. Blowing slags and the like. 1,774,333; Aug. 26.
- Laist, Alexander, Helena, Mont., assignor to Anaconda Copper Mining Company. Tuyère. 1,769,146; July 1.
- Lajeunesse, Wilfred, Gladstone, Mich. Quack-grass remover. 1,744,170; Jan. 21.
- Lake, Clair D., assignor to The Tabulating Machine Company, Endicott, N. Y. Detachable record card. 1,760,417; May 27.
- Lake, Clair D., assignor to The Tabulating Machine Company, Endicott, N. Y. Record sheet for tabulating machines. 1,772,492; Aug. 12.
- Lake, Clair D. and R. E. Page, Binghamton, assignors to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine. 1,757,123; May 6.
- Lake, Clair D., Binghamton, and F. A. Storey, Endicott, assignors to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine. 1,775,132; Sept. 9.
- Lake, Donald W., Chicago, Ill. Air heater. 1,767,082; June 24.
- Lake Erie Chemical Company, The. (See Anderson, H Miller, assignor.)
- Lake Erie Chemical Company, The. (See Goss, Byron C., assignor.)
- Lake Erie Chemical Company, The. (See Kinnear, Eugene C., assignor.)
- Lake, Harry E., assignor to Preferred Utilities Manufacturing Corporation, New York, N. Y. Automatic damper. 1,770,339; July 8.
- Lake, Harry E., Viroqua, Wis. Structural design for aircraft. 1,749,951; Mar. 11.
- Lake, James, Jr., Brooklyn, N. Y. Hat. 1,753,052; Apr. 1.
- Lake, John W., assignor to Boyd-Welsh Shoe Company, St. Louis, Mo. Shank piece for shoes. 1,773,365; Aug. 19.
- Lake, Percy C. G., London, England. Loose-leaf binder of the flexible-thong type. 1,767,381; June 24.
- Lake Shore Tire & Rubber Company. (See Karbowski, V., and Smith, assignors.)
- Lake, Simon, Milford, Conn. Hydroplane vessel. 1,750,959; Mar. 18.
- Lake, Simon, Milford, Conn. Flying machine. 1,772,049; Aug. 5.
- Lakeside Bridge & Steel Co. (See Coddington, Vantyle W., assignor.)

- Lakeman, William R., Rochester, N. Y. Cleaning electro-type plates. 1,749,822; Mar. 11.
- Lakewood Engineering Company, The. (See Carr, Edward G., assignor.)
- Lakewood Storage, Inc. (See Gund, John J., assignor.)
- Lalanne, Louis, Marseille, France. Scuttle port and like tight closed window. 1,750,412; Mar. 11.
- Lalanne, Louis, Marseille, France. Scuttle port and like tight-closed window. 1,783,336; Dec. 2.
- Laley, Jehan, Hayange, assignor to Les Petits Fils de Francois de Wendel & Cie., Paris, France. Recovery of the tin contained in the residues of tin-plate manufacture. 1,784,490; Dec. 9.
- Lally Column Co. (See Lally, John, assignor.)
- Lally, Ellen T., et al., executors. (See Lally, John.)
- Lally, Henry P. (See Lempages, Theodore G., assignor.)
- Lally, John, jr., et al., executors. (See Lally, John.)
- Lally, John, deceased, Great Neck, N. Y.; J. A. Henley, J. Lally, jr., and E. T. Lally, executors, assignors to Lally Column Co., Cambridge, Mass. Beam hanger. 1,742,210; Jan. 7.
- Lally, John, deceased, Flushing, N. J.; J. Lally, J. A. Henley, and E. T. Lally, executors, assignors to Lally Column Co., Cambridge, Mass. Pipe joint. 1,742,211; Jan. 7.
- Lally, John T., Wilmington, Del. Pipe holder. 1,748,885; Feb. 25.
- Lally, John T., Wilmington, Del. Coupling for suction hose. 1,762,065; June 3.
- Lalor, James D., Baltimore, Md., assignor, by mesne assignments, to The Fluid Heat Company. Device for vaporizing liquids. 1,750,602; Mar. 11.
- La Lux Manufacturing Company. (See Underwood, Western, assignor.)
- Lam, Wah, Honolulu, Hawaii. Transplanting pot. 1,774,019; Aug. 26.
- Lamade, George R., Williamsport, Pa. Shadowgraphic token. Des. 81,799; Aug. 12.
- Lamar, Henry P., Crescent City, Calif. Display stand. 1,744,647; Jan. 21.
- Lamar, William P., Atlanta, Ga. Typewriter. 1,770,160; July 8.
- La Marche, George E., Chicago, Ill. Organ-valve unit. 1,747,370; Feb. 18.
- La Marche, George E., Chicago, Ill. Key mechanism for keyed musical instruments and the like. 1,773,230; Aug. 19.
- Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Edition-printing slug holder and depressible margin bar. 1,752,565; Apr. 1.
- Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Plate clamp. 1,779,882; Oct. 28.
- Lamb, Arthur B., trustee. (See Hetherington, H. C., and Krase, assignors.)
- Lamb, Arthur B., trustee. (See Kunsman, Charles H., assignor.)
- Lamb, Charles, Los Angeles, assignor of one-half to M. G. Brumby, Walnut Park, Calif. Pump piston. 1,746,733; Feb. 11.
- Lamb, Charles C., Chicago, Ill. Centrifugal extractor and mechanism for balancing and operating rotative containers for the same or similar devices. 1,768,851; July 1.
- Lamb, Charles M. (See Lamb, H. W., Ougheltree, and Lamb.)
- Lamb, George, Pittsburgh, Pa., and I. F. Kinnard, Lynnfield, Mass., assignors to General Electric Company. Commutator-type direct-current watt-hour meter. 1,751,411; Mar. 18.
- Lamb, George N., St. Charles, Ill. Road-testing machine. 1,769,521; July 1.
- Lamb, Herbert W., and F. S. Ougheltree, assignors to Line-O-Scribe, Inc., Adrian, Mich. Combined type and holder for printing machines. 1,769,583; July 1.
- Lamb, Herbert W., and F. S. Ougheltree, Adrian, Mich., and C. M. Lamb, Pasadena, Calif., assignors to Line-O-Scribe, Inc., Adrian, Mich. Printing machine. 1,770,140; July 8.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Electrical cooking device. 1,778,263; Oct. 14.
- Lamb, Lawrence S. (See Groehn, O. J., and Lamb.)
- Lamb, Lawrence S., assignor to Hudson Motor Car Company, Detroit, Mich. Method and apparatus for forming sheet-metal channels. 1,769,349; July 1.
- Lamb, Leonard I., Attleboro, assignor to R. F. Simmons Company, Attleboro, Mass. Expansible bracelet. 1,771,894; July 29.
- Lamb Machine Company. (See Hird, John B., assignor.)
- Lamb, Thomas, Woodlea, and W. R. Sharp, Glenesk, England. Advertisement sign. 1,782,854; Nov. 25.
- Lamb, Thomas F., Mansfield, Ohio. Transferring glassware. 1,771,641; July 29.
- Lamb, William A., Chicago, Ill. Registering device. 1,755,995; Apr. 22.
- Lamb, Wius, Blair, Okla. Aeroplane. 1,757,202; May 6.
- Lambdin, Howard B., Baltimore, assignor of one-half to J. R. Brinkley, Baltimore, Md. Buoy-launching device. 1,773,462; Aug. 19.
- Lambert, Cecil R., Company, The. (See Preble, Norman H., assignor.)
- Lambert, Charles F., Grosse Pointe, assignor, by mesne assignments, to Clayton & Lambert Manufacturing Company, Detroit, Mich. Torch structure. 1,750,846; Mar. 18.
- Lambert, David N., Brooklyn, N. Y. Resuscitator. 1,786,350; Dec. 23.
- Lambert, Francis M., Narberth, Pa., assignor to Heintz Manufacturing Company. Radiator cabinet. Des. 81,987; Sept. 9.
- Lambert, Frank B. (See Lammert, G. C., and Lambert.)
- Lambert, Frank P., Oakland, Calif. Steam-table pan. 1,762,635; June 10.
- Lambert, Harry L., North Bergen, N. J. Household coffee urn. 1,774,927; Sept. 2.
- Lambert, Harry L., North Bergen, N. J. Coffee-making machine. 1,774,980; Sept. 2.
- Lambert, Joseph H., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Insecticide. 1,785,451; Dec. 16.
- Lambert, Leo J., Salem, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding machine and method. 1,761,017; June 3.
- Lambert, Matthew J. (See Catlin, A. C., and Lambert.)
- Lambert, Olive M., et al., executors. (See Houghton, Lewis T.)
- Lambert, Olive M., et al. (See Houghton, Lewis T., assignor.)
- Lambert, Russell A., Springfield, Mass. assignor to Brooks Bank Note Company. Display box. 1,770,618; July 15.
- Lambert Tire and Rubber Company, The. (See Fleiter, Andrew J., assignor.)
- Lambert Tire & Rubber Co. (See Gillam, Wallace R., assignor.)
- Lambert Tire & Rubber Company. (See Whitlark, Henry B., assignor.)
- Lambert, William C., assignor of one-fourth to D. McG. Gilfillan, Ironton, Ohio, and one-fourth to E. Stewart, Washington, D. C. Wing structure for airplanes. 1,785,318; Dec. 16.
- Lambertville Rubber Company. (See Crowley, William E., assignor.)
- Lambie, James M., and D. W. Ross, Washington, Pa. Ceramic mass. 1,745,102; Jan. 28.
- Lambie, James M., and D. W. Ross, Washington, Pa. Refractory mixture. 1,769,297; July 1.
- Lambie, William. (See Newbrough, Walter F., assignor.)
- Lambing, William C., McDonald, assignor of one-third to T. J. Britton, Cecil, Pa. Automatic fuel control for natural-gas engines. 1,749,492; Mar. 4.
- Lamborn, Frederick J. (See Probert, S. C., and Lamborn.)
- Lamborn, Fred J., Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation. Grinding toothed articles. 1,753,707; Apr. 8.
- Lambreth, Jean J., Nieppe, France. Manufacture of vegetable wool. 1,759,752; May 20.
- La Mere, Frank J. (See Sardeson, R., La Mere, and Corser.)
- Lamella Roof Syndicate, Inc. (See Klingenberg, Wilhelm, assignor.)
- Laminated Materials Company, The. (See Dike, T. W., and Sawford, assignors.)
- Laminated Materials Company. (See Leland, F. R., and Charles, assignors.)
- Laminated Shim Company. (See Derby, Norman L., assignor.)
- Laminated Shim Company. (See Yordon, John C., assignor.)
- Lamkey, William A., Dearborn, Mich. Target towing and releasing device. 1,752,010; Mar. 25.
- Lamkins, William C., Newport, Ark. End gate. 1,758,325; May 13.
- Lamm, Francis A., Afton, Okla., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Door hanger. 1,761,215; June 3.
- Lammert, George C., and F. B. Lambert, Chicago, Ill. Nozzle. 1,767,462; June 24.
- La Mont, Charles T., Milwaukee, Wis. Stocking marker. 1,753,865; Apr. 8.
- La Mont Corporation. (See La Mont, Walter D., assignor.)
- La Mont Corporation. (See La Mont, W. D., and Ernst, assignors.)
- Lamont, Henry, assignor to Austin Machinery Corporation, Chicago, Ill. Trenching machine. 1,777,439; Oct. 7.
- Lamont, Jesse L., Geneseo, Ill. Signal device. 1,783,124; Nov. 25.
- Lamont, John A., assignor to American Steel Foundries, Chicago, Ill. Truck. 1,742,476; Jan. 7.
- Lamont, John A., assignor to American Steel Foundries, Chicago, Ill. Roller-bearing truck. 1,765,432; June 24.
- La Mont, Walter D., Larchmont, assignor to La Mont Corporation, New York, N. Y. Liquid heater. 1,748,574; Feb. 25.
- La Mont, Walter D., Larchmont, N. Y., and A. F. Ernst, Passaic, N. J., assignors to La Mont Corporation, New York, N. Y. Effecting heat exchange. 1,783,724; Dec. 2.
- Lamoureux, Arthur F., and P. Sellas, Norwich, Conn. Window-shade holder. 1,782,357; Nov. 18.
- Lamoureux, George. (See Vedder, J. W., Lodding, and Lamoureux.)
- Lamoureux, George, assignor to Rice, Barton & Fales, Incorporated, Worcester, Mass. Paper slitting and winding machine. 1,770,161; July 8.

- Lamoureux, George, assignor to Rice, Barton & Fales, Inc., Worcester, Mass. Paper-winding machine. 1,770,162; July 8.
- Lamoureux, Nelson, Whittier, assignor of one-half to M. W. Lukes, Compton, Calif. Spear. 1,751,090; Mar. 18.
- Lamoureux, Walter T. (See Russell, Burton A., assignor.)
- Lamoree, James K. (See Evans, A. D., and Lamoree.)
- LaMorte, William F., New York, N. Y. Strut used in concrete fireproofing. 1,765,729; June 24.
- Lampert, David, assignor to W. R. Nepmann, Chicago, Ill. Wedding ring. Des. 82,163; Sept. 30.
- Lampert, Henry H., Chicago, Ill. Form clamp. 1,747,779; Feb. 18.
- Lampert, Henry H., Chicago, Ill. Adjusting tool for form ties. 1,751,823; Mar. 25.
- Lampert, Henry H., Chicago, Ill. Form clamp. 1,756,691; Apr. 29.
- Lampert, Henry H., Chicago, Ill. Joist connection. 1,759,908; May 27.
- Lamphere, Emmet D., jr., West Rutland, Vt. Frozen-cream cutter. 1,784,603; Dec. 9.
- Lampl, Walter, New York, N. Y. Combined necklace and brooch. 1,771,129; July 22.
- Lamplota, Hubert, Brno, Czechoslovakia. Coffee percolator. 1,759,121; May 20.
- Lamplough, Frederick, Middlesex, England. Conversion of heavy hydrocarbon oils into light hydrocarbon oils or spirits. 1,765,167; June 17.
- Lampman, George W. (See Summers, C. E., and Lampman.)
- Lampman, George W., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Valve-spring retainer. 1,761,925; June 3.
- Lampton, Logan B., Los Angeles, Calif. Carburetor. 1,766,657; June 24.
- Lamson Company, The. (See Cowley, James T., assignor.)
- Lamson Company, The. (See Cowley, J. T., and Allen, assignors.)
- Lamson Company, The. (See Cowley, J. T., and Taylor, assignors.)
- Lamson Company, The. (See Jennings, Chester S., assignor.)
- Lamson Company, The. (See Jennings, C. S., and Allen, assignors.)
- Lamson Company, The. (See Knap, Thomas S., assignor.)
- Lamson Company, The. (See MacMartin, Frank W., assignor.)
- Lamson Company, The. (See Taylor, William J., assignor.)
- Lamson, Jarvis, trustee. (See Paulson, C. J., and Weiss, assignors.)
- Lamson & Sessions Company, The. (See Smith, James W., assignor.)
- Lanahan, Frank J. (See Hunter, Percy E., assignor.)
- La Nationale Société Anonyme. (See Bolle, Léon E., assignor.)
- Lancaster Asphalt, Inc. (See Robinson, Thomas, assignor.)
- Lancaster, Carl B., Alameda, Calif. Filter. 1,759,013; May 20.
- Lancaster, Clyde M., near Waco, Tex. Milk cooler. 1,768,916; July 1.
- Lancaster, George W., Richmond, Va. Sheet-metal window. 1,743,783; Jan. 14.
- Lancaster, George W., Richmond, Va. Window-frame construction. 1,784,938; Dec. 16.
- Lancaster, Harry V., assignor to Peerless Manufacturing Company, Inc., Louisville, Ky. Radiant heater. Des. 81,702; July 29.
- Lancaster, Harry V., assignor to Peerless Manufacturing Company, Inc., Louisville, Ky. Radiant heater. Des. 81,703; July 29.
- Lancaster, Harry V., assignor to Peerless Manufacturing Company, Inc., Louisville, Ky. Radiant heater. Des. 81,704; July 29.
- Lancaster, Harry V., assignor to Peerless Manufacturing Company, Inc., Louisville, Ky. Radiant heater. Des. 81,705; July 29.
- Lancaster, Harry V., assignor to Peerless Manufacturing Company, Inc., Louisville, Ky. Radiant heater. Des. 81,706; July 29.
- Lancaster, Harry V., assignor to Peerless Manufacturing Company, Inc., Louisville, Ky. Radiant heater. Des. 81,707; July 29.
- Lancaster, Harry V., assignor to Peerless Manufacturing Company, Inc., Louisville, Ky. Radiant heater. Des. 81,708; July 29.
- Lancaster, Harry V., assignor to Peerless Manufacturing Company, Inc., Louisville, Ky. Radiant heater. Des. 81,709; July 29.
- Lancaster Iron Works, Inc. (See Luce, Grafton E., assignor.)
- Lancaster Iron Works. (See Martin, James P., assignor.)
- Lancaster, John. (See Burn, J. F., and Lancaster.)
- Lancaster, John S. (See Burn, J. F., and Lancaster.)
- Lance Packing Company, The. (See Knee, Aaron A., assignor.)
- Lance, William L., Wilkes-Barre, Pa. Metal stake. 1,745,303; Jan. 28.
- Lanchester, Frederick W., Moseley, Birmingham, England. Telephonic loud-speaker. 1,754,860; Apr. 15.
- Lancia, Vincenzo, Turin, Italy. Driving gear for vehicles. 1,770,314; July 8.
- Lancier, Peter. (See Eufinger, Peter, assignor.)
- Land, Arthur A. G., Chicago, Ill. Chain-link wire fabric. 1,784,453; Dec. 9.
- Land, Charles H., Detroit, Mich. Tractor trailer. 1,774,894; Sept. 2.
- Land, Charles H., Detroit, Mich. Tractor trailer. 1,781,399; Nov. 11.
- Land, Charles H., assignor of one-half to W. H. Wilson, Detroit, Mich. Tractor trailer. 1,753,011; Apr. 1.
- Land, Millard, Lake Charles, La. Valve cage. 1,774,928; Sept. 2.
- Land, Walker E., Richmond, Ind. Panel. 1,777,317; Oct. 7.
- Land, William M., et al. (See MacLellan, William J., assignor.)
- Landar, Nathan J., New York, N. Y. Automatic gas cut-off. 1,748,022; Feb. 18.
- Landau, Bernhard, College Point, N. Y. Ventilator construction. 1,784,841; Dec. 16.
- Landau, Henry B., Sandusky, Ohio, assignor to General Chemical Company, New York, N. Y. Bag machine. 1,751,091; Mar. 18.
- Landau, Jacob, Jersey City, N. J. Bracket device. 1,771,682; July 29.
- Landell, Coates E., assignor to Peerless Springs Inc., Philadelphia, Pa. Cushion or like spring construction. 1,742,917; Jan. 7.
- Lander, Cathers D. (See Dolbier, Charles M., assignor.)
- Lander, Clarence I., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last. 1,784,454; Dec. 9.
- Lander, Clarence I., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. 1,784,455; Dec. 9.
- Landerdahl, Walter C., Spokane, Wash. Sled. 1,770,078; July 8.
- Landers, Charles H., Lansing, assignor to General Motors Corporation, Detroit, Mich. Making bearings. 1,761,926; June 3.
- Landers, Charles H., Lansing, assignor to General Motors Corporation, Detroit, Mich. Making bearings. 1,783,438; Dec. 2.
- Landers, Frary & Clark. (See Carlson, Frederick E., assignor.)
- Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
- Landers, Frary & Clark. (See Skinner, Sherrod E., assignor.)
- Landers, Frary & Clark. (See Smart, Joseph F., assignor.)
- Landers, Frary & Clark. (See Smith, C. F., and Helweg, assignors.)
- Landers, James E., New York, assignor of one-third to T. C. Dexter, deceased, Pearl River, and one-third to J. H. McCarthy, Brooklyn, N. Y.; M. A. Dexter, executrix. Automatic stop mechanism for sheet feeders. 1,769,227; July 1.
- Landeskroener, Carl, Dresden, Germany. Treating artificial filaments. 1,767,294; June 24.
- Landess, Henry H., Pratt, Kans. Signal container. 1,748,420; Feb. 25.
- Landiedel, Harry, Cincinnati, Ohio, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Tractor attachment for corn pickers. 1,766,439; June 24.
- Landis, Clifford H. (See Wallace, J. D., and Landis.)
- Landis & Gyr, A.-G. (See Fröhlich, Hans, assignor.)
- Landis & Gyr A.-G. (See Fröhlich, H., and Pudelko, assignors.)
- Landis & Gyr, A.-G. (See Fröhlich, H., and Zingg, assignors.)
- Landis & Gyr, A.-G. (See Mettler, Josef, assignor.)
- Landis & Gyr, A.-G. (See Peter, Adolf, assignor.)
- Landis & Gyr S. A. (See Pudelko, Riccard, assignor.)
- Landis, Harry G., Marshall, Mo. Metal aeroplane wing. 1,765,079; June 17.
- Landis, J. Olin. (See D'Ardenne, W. H., Landis, and Christensen.)
- Landis Machine Company. (See Dunford, Ernest, assignor.)
- Landis Machine Company. (See Koontz, Victor R., assignor.)
- Landis Machine Company. (See Shearer, Harry T., assignor.)
- Landis, Robert, Washington, D. C. Universal joint. 1,742,547; Jan. 7.
- Landis Tool Company. (See Steiner, Amos P., assignor.)
- Landis, William C. (See Farmer, C. C., and Landis.)
- Landis, William C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve device. 1,771,410; July 29.
- Landmann, Gustave A., Scotland, S. Dak. Metal fence post. 1,777,801; Oct. 7.
- Landon, Archer A., Buffalo, and S. C. Bliss, Kenmore, assignors to American Radiator Company, New York, N. Y. Molding machine or apparatus. 1,743,462; Jan. 14.
- Landon, Nathaniel R. (See Farley, E., and Landon.)
- Landon, Nathaniel R., Mount Kisco, assignor to Delaware, Lackawanna & Western Coal Company, New York, N. Y. Treating coal and product thereof. 1,748,384; Feb. 25.
- Landon, Vernon D., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Amplifying circuits. 1,743,148; Jan. 14.
- Landon, Vernon D., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio receiving system. 1,764,323; June 17.

- Landress, Emmanuel I. (See Poliakoff, R. B., and Landress.)
- Landrock, Paul, Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic apparatus. 1,780,489; Nov. 4.
- Landrum, William W., League City, assignor of one-half to H. G. Mobley, Houston, Tex. Drill. 1,756,489; Apr. 29.
- Landrus, Hiram C., Kansas City, Kans. Furnace. 1,777,171; Sept. 30.
- Landry, Aldei, Central Falls, R. I., assignor, by mesne assignments, to Hemphill Company. Knitting machine. Re17,608; Mar. 4.
- Landsberg, Maurice A., Toronto, Ontario, Canada. Spool-holding device. 1,758,707; May 13.
- Landsberger, Lenore K., New York, N. Y., assignor of one-fourth to W. A. Cohn, New York, N. Y., and one-fourth to A. M. Jonap and one-fourth to S. B. Freiberg, Cincinnati, Ohio. Playing cards. 1,745,373; Feb. 4.
- Landsiedel, Walter W., Cincinnati, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Control-cam-assembly lifting means. 1,743,897; Jan. 14.
- Landsiedel, Walter W., Cincinnati, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Adjustable control cam. 1,765,340; June 17.
- Landt, Gustave E., and W. H. Adams, Jr., Norristown, Pa., assignors, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Making hexamethylenetetramine. 1,774,929; Sept. 2.
- Landtblom, Frans O., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Producing wort. 1,770,411; July 15.
- Landwehr, Frank G., Detroit, Mich. Propelling means for airships. 1,751,824; Mar. 25.
- Landwehr, Gustave H. (See Hartzell, Earl F., assignor.)
- Lane, Abbot A., New Rochelle, N. Y. Fire wall for furnaces. 1,780,303; Nov. 4.
- Lane, Albert M., assignor to Automatic Transmission Company, Rockford, Ill. Automatic transmission. 1,773,535; Aug. 19.
- Lane, Alfred M., St. Louis, Mo. Metal window. 1,748,986; Mar. 4.
- Lane, Alfred M., St. Louis, Mo. Metal weather strip. 1,781,400; Nov. 11.
- Lane, Alfred M., St. Louis, Mo. Screened window. 1,781,401; Nov. 11.
- Lane, Clarence E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound radiator. 1,773,910; Aug. 26.
- Lane, Clarke J., Sacramento, Calif. Spinach washer and blancher. 1,772,669; Aug. 12.
- Lane Company, The. (See Hogan, John R., assignor.)
- Lane, Edward M., Charleston, S. C. Building block and laying same. 1,744,171; Jan. 21.
- Lane, Edwin G., assignor to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich. Spring shackle. 1,750,603; Mar. 11.
- Lane, Fulton, Palos Verdes Estates, and H. J. Morgan, Walnut Park, assignors to P. L. & M. Company, Los Angeles, Calif. Arc-welding apparatus. 1,784,015; Dec. 9.
- Lane, George L., Ardmore, Pa. Tennis-net-stretching device. 1,768,615; July 1.
- Lane, George W., assignor to Rau Fastener Company, Providence, R. I. Snap fastener. 1,748,355; Feb. 25.
- Lane, George W., Clifton, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Method and apparatus for treating fabrics with liquid. 1,777,989; Oct. 7.
- Lane, Henry M., Detroit, Mich. Ladle crane. 1,748,232; Feb. 25.
- Lane, James W., et al., trustees. (See McConnell, Thomas, assignor.)
- Lane, John D., Boston, Mass., assignor to E. Morey, Nashua, N. H. Packaging machine. 1,779,817; Oct. 28.
- Lane, Joseph H., Venice, Calif. Flotation process. 1,743,463; Jan. 14.
- Lane, Louis, Habana, Cuba. Flat asbestos-cement roof and wall sheet. 1,763,469; June 10.
- Lane, M. Helen, Chicago, Ill. Game board. Des. 81,343; June 10.
- Lane, Richard D., assignor to The F. A. Neider Company, Augusta, Ky. Seal for freight cars and the like. 1,770,790; July 15.
- Lane, Robert S., and S. A. Montgomery, Wood River, Ill., assignors to Standard Oil Company, Whiting, Ind. Removal of petrolatum from hydrocarbon oils. 1,744,648; Jan. 21.
- Lane, Rollie M., Colorado Springs, Colo. Parachute. 1,767,534; June 24.
- Lane, Roy L. (See Lane, Sidney S., assignor.)
- Lane, Sidney J., Albany, N. Y. Thermionic device. 1,768,698; July 1.
- Lane, Sidney S., assignor of one-half to R. L. Lane, Morganton, N. C. Brick. 1,771,302; July 22.
- Lane, Virgil M. (See Febringer, C. E., and Lane.)
- Lane, William D., assignor to Eggers-O'Flying Company, Omaha, Nebr. Shipping container for live chicks. 1,744,125; Jan. 21.
- Lane, William H., assignor to Standard Pyroxoloid Corporation, Leominster, Mass. Picture frame. 1,779,069; Oct. 21.
- Lane, Willis A. (See Gearson, F. A., and Lane.)
- Lang, Anton, Feldkirchen, near Munich, assignor of one-half to Demag Aktiengesellschaft, Duisburg, and one-half to Maschinenfabrik Fr. Schüle & Co., Feldkirchen, near Munich, Germany. Winch drum. 1,782,358; Nov. 18.
- Lang, Bert E., Spokane, Wash. Tire-chain lock. 1,782,510; Nov. 25.
- Lang, Charles R., Cathcart, Glasgow, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Steam-power plant with closed feed system. 1,749,707; Mar. 4.
- Lang Company, The. (See Kircoaf, Charles H., assignor.)
- Lang, Edward J., Riverside, Ill. Fuse panel. 1,778,764; Oct. 21.
- Lang Electric Mfg. Company, The. (See Lang, Walter S., assignor.)
- Lang, Franz, Munich-Nymphenburg, Germany, assignor to Acro Aktiengesellschaft, Küsnacht am Rigi, Switzerland. Combustion power engine. 1,759,160; May 20.
- Lang, Franz, Stuttgart, Germany, assignor to Acro Aktiengesellschaft, Küsnacht am Rigi, Switzerland. Oil engine with fuel injection. 1,759,161; May 20.
- Lang, Franz, Munich-Nymphenburg, Germany, assignor to Acro Aktiengesellschaft, Küsnacht am Rigi, Switzerland. Oil motor. 1,759,162; May 20.
- Lang, Franz, Munich, Germany, assignor to Acro Aktiengesellschaft, Küsnacht am Rigi, Switzerland. Oil engine with fuel injection. 1,759,163; May 20.
- Lang, Franz, Munich-Nymphenburg, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Internal-combustion engine. 1,783,803; Dec. 2.
- Lang, George L., South Orange, assignor to Splitdorf Electrical Company, Newark, N. J. Vacuum-tube socket. 1,769,029; July 1.
- Lang, George R., Pittsburgh, Pa. Method and apparatus for mining. 1,779,883; Oct. 28.
- Lang, George W., Litchfield, Nebr. Tractor attachment for pickers. 1,766,439; June 24.
- Lang, Glen L., et al. (See Jackson, Merlin M., assignor.)
- Lang, Gregory, Yuba City, Calif. Bean cutter. 1,781,851; Nov. 18.
- Lang, John J. (See Ponsonby, W. H., and Lange.)
- Lang, Martin H., Minneapolis, Minn. Cable-forming device. 1,753,793; Apr. 8.
- Lang, Niels, Cleveland, Ohio. Reflector for directing light. 1,767,144; June 24.
- Lang, Philip, assignor to Wagner Manufacturing Company, Cedar Falls, Iowa. Door closer and check. 1,743,360; Jan. 14.
- Lang, Philip, assignor to Wagner Manufacturing Company, Cedar Falls, Iowa. Door closer and electric interlock with zone-control device. 1,748,233; Feb. 25.
- Lang, Philip, assignor to Wagner Manufacturing Company, Cedar Falls, Iowa. Door-operating mechanism. 1,754,563; Apr. 15.
- Lang, Richard T., Weehawken, N. J., assignor to American Voith Contact Co., Inc., New York, N. Y. Stock inlet for paper machines. 1,775,905; Sept. 16.
- Lang, Theo, Munich, assignor to the firm Hans Trinkl Uhren- und Apparatefabrik G. m. b. H., Augsburg, Bavaria, Germany. Cartridge cut-out. 1,752,955; Apr. 1.
- Lang, Walter S., assignor to The Lang Electric Mfg. Company, Kendallville, Ind. Electric water heater. 1,784,695; Dec. 9.
- Langan, James, and H. Greenberg, assignors of one-third to C. A. Stump, Los Angeles, Calif. Ventilated shoe sole. 1,742,772; Jan. 7.
- Langbaum, Maurice, Brooklyn, N. Y. Furniture pad. 1,776,188; Sept. 16.
- Langbein, Harold W., Los Angeles, Calif. Arbor. 1,772,084; Aug. 5.
- Langbein, Harold W., Los Angeles, Calif., assignor to Brake Synchronizer Co., Boston, Mass. Brake-testing machine. 1,746,780; Feb. 11.
- Langdon, Jesse D., Los Angeles, Calif. Steering gear for airships. 1,747,251; Feb. 18.
- Langdon, Jesse D., Los Angeles, Calif. Pump unit. 1,749,038; Mar. 4.
- Langdon, Jesse D., Los Angeles, Calif. Piston. 1,757,016; May 6.
- Lange, Berthold A., St. Louis, Mo. Box corner. 1,758,230; May 13.
- Lange, Charles, assignor to Citronesia Company, Inc., Chicago, Ill. Bottle. Des. 81,800; Aug. 12.
- Lange, Edward H., Baltimore, Md. Automobile clutch-control system. 1,778,220; Oct. 14.
- Lange, Friedrich. (See Esau, A., and Lange.)
- Lange, Gustav M. (See Lange, Gustav W. and G. M.)
- Lange, Gustav W. and G. M., Buffalo, assignors to The Fowler and Union Horse Nail Co., Inc., Tonawanda Township, N. Y. Machine for making horseshoe nails. 1,751,338; Mar. 18.
- Lange, Hans. (See Herzberg, W., and Lange.)
- Lange, Hans. (See Reddellen, G., Lange, and Pfannenstiel.)
- Lange, Hans O., Copenhagen, Denmark. Pillow and cushion and casing for same. Re17,607; Feb. 25.
- Lange, Heinrich. (See Ernst, O., and Lange.)
- Lange, Louvern G., Passaic, N. J. Adhesive backing. 1,758,610; May 13.
- Lange, Louvern G., Passaic, N. J. Composite material for containers. 1,779,884; Oct. 28.
- Lange, Otto, Chicago, Ill. Ice-cream-cone coater. 1,784,992; Dec. 16.
- Lange, Wilhelm, Berlin-Spandau, Germany. Bufferlike guard for vehicles. 1,762,870; June 10.

- Lange, William L., New York, N. Y. Frame for musical instruments. 1,783,243; Dec. 2.
- Lange, William L., New York, N. Y. Resonating means for banjos. 1,783,244; Dec. 2.
- Lange, William L., New York, N. Y. Neck adjuster for banjos. 1,785,266; Dec. 16.
- Langen, George. (See Gillham, R., Addison, Wetzel, and Langen.)
- Langen, Thomas E., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Controller finger. 1,768,913; July 1.
- Langenbach, Edward A. (See Blecker, William M., assignor.)
- Langenbeck, Bernhard, Leipzig, and H. Sell, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrical instrument for diagnosing and assisting defective hearing. 1,750,960; Mar. 18.
- Langenberg, Frederick C. (See Solberg, J. C., Langenberg, and Sawtelle.)
- Langenberg, Frederick C., New York, N. Y., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Manufacture and repair of centrifugal molds. 1,753,747; Apr. 8.
- Langenberg Hat Company. (See Crenshaw, Erswell V., assignor.)
- Langenberg Manufacturing Co. (See Stockwell, Ralph W., assignor.)
- Langenfeld, Herman H., Earling, Iowa. Vending machine. 1,755,655; Apr. 22.
- Langenheim, Wilhelm. (See Ackermann, H., Langenheim, and Knuth.)
- Langer, John J., River Falls, Wis. Hosiery-run-mending frame. 1,757,375; May 6.
- Langer, Julius J., Astoria, N. Y. Automobile lock. 1,761,042; June 3.
- Langer, Max. (See Lubberger, F., and Langer.)
- Langer, Max, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,745,999; Feb. 4.
- Langer, Rudolph J., assignor to Franklin Equipment Company, Monticello, Iowa. Stanchion. 1,752,095; Mar. 25.
- Langford, Adrian E., Pensacola, Fla. Garbage incinerator. 1,776,914; Sept. 30.
- Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint. Re17,561; Jan. 14.
- Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint. Re17,596; Feb. 18.
- Langford, George, assignor to McKenna Process Co., Joliet, Ill. Repairing worn rail joints in tracks. Re17,743; July 22.
- Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint and bar. 1,757,774; May 6.
- Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint and bar. 1,759,458; May 20.
- Langford, George W., Ann Arbor, Mich. Baling press. 1,780,528; Nov. 4.
- Langford, Henry, Woonsocket, R. I. Lock knife for looms. 1,771,565; July 29.
- Langford, Leonard W., Boston, Mass. Keyboard operator. 1,753,991; Apr. 8.
- Langford, Leonard W., Hanover, Mass., assignor to Langford Sales Audit Machine Company. Sales-record machine. 1,743,277; Jan. 14.
- Langford Sales Audit Machine Company. (See Langford, Leonard W., assignor.)
- Langheinrich, Hellmuth. (See Herold, P., and Langheinrich.)
- Langheinrich, Hellmuth, Neuroessen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Recovery of sulphur from alkali-metal polysulphides. 1,783,725; Dec. 2.
- Langill, Ross E., and W. B. Grueter, assignors to The Prescott Company, Menominee, Mich. Mechanism for controlling the press rolls or like elements of edgers. 1,769,927; July 8.
- Langlois, Alfred M., assignor to Whitin Machine Works, Whitinsville, Mass. Driving mechanism for scotch feed. 1,770,239; July 8.
- Langlois, Arthur A., Klamath Falls, Oreg. Detachable extension guard rail. 1,757,912; May 6.
- Langlois, Earl H., assignor to The Victor Racing Plate Company, Baltimore, Md. Horseshoe. 1,763,433; June 10.
- Langlois, Richard, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Societe Anonyme, Paris, France. Winding for dynamo-electric machines. 1,747,941; Feb. 18.
- Langman, Arthur H., assignor to A. C. Leisenring, Denver, Colo. Gas saver and carbon remover. 1,749,078; Mar. 4.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Space discharge apparatus. 1,769,846; July 1.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Producing alternating currents. 1,778,456; Oct. 14.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Alternating-current generation. 1,778,457; Oct. 14.
- Langmuir, Irving, Schenectady, N. Y., and P. P. Alexander, Marblehead, Mass., assignors to General Electric Company. Method and apparatus for electric-arc welding. 1,746,196; Feb. 4.
- Langner, Lawrence, New York, N. Y., assignor to The Longsign Corporation, Dayton, Ohio. Electric sign. 1,768,699; July 1.
- Langos, Otto A., Chicago, Ill. Table cooker. 1,767,802; June 24.
- Langren, Arthur. (See Ike, L. E., Langren, Hutson, and Latta.)
- Langsdorf, Edwin B., New York, N. Y. Mirror or similar article. Des. 80,956; Apr. 15.
- Langseth, Axel O., assignor to The Ohio Brass Company, Mansfield, Ohio. Electroplating. 1,757,671; May 6.
- Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,757,672; May 6.
- Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,758,326; May 13.
- Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,758,611; May 13.
- Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Attachment for printing machines. 1,758,612; May 13.
- Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,759,483; May 20.
- Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,759,484; May 20.
- Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus with tubular gas discharge. 1,760,149; May 27.
- Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,761,304; June 3.
- Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Forming leveling-rod clamps. 1,772,356; Aug. 5.
- Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Inkstand and pen filler. 1,772,610; Aug. 12.
- Langstaff, Clinton A., Hawthorne, Calif. Deep-well tool. 1,766,177; June 24.
- Langstaff, Clinton A., Hawthorne, assignor of one-third to F. A. Fortine and one-third to W. C. Whaley, Los Angeles, Calif. Device for expanding collapsed casings. 1,769,350; July 1.
- Langston, Ira, assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Core-bar gauge. 1,779,477; Oct. 28.
- Langston, Samuel M., Wenonah, N. J. Sheet scoring and slotting mechanism. 1,769,883; July 1.
- Langston, Samuel M., Wenonah, N. J. Paper-corrugating machine. 1,771,259; July 22.
- Langston, Samuel M., Wenonah, N. J. Paper-corrugating machine. 1,771,260; July 22.
- Langstreth, Melon. (See Andrew, T. E., and Langstreth.)
- Langtin, John S. (See Biette, Henry C., assignor.)
- Langvand, Ivar L. (See Trainer, J. E., and Langvand.)
- Lanham, Prentiss O. (See Finnegan, H. L., and Lanham.)
- Lanhoffer, Edmond. (See Lanhoffer, Ivan E. and E.)
- Lanhoffer, Edmond O., Poissy, France, assignor to Asbestos Panels Corporation, New York, N. Y. Process and apparatus for reproducing by stamping. 1,780,560; Nov. 4.
- Lanhoffer, Ivan E. and E., Paris, France, assignors to Fuller Company, Catasauqua, Pa. Apparatus for conveying powdered materials in pipes. 1,777,043; Sept. 30.
- Lanier, Edward H., Miami, Fla. Aeroplane. 1,750,529; Mar. 11.
- Lanier, Edward H., Miami, Fla. Aeroplane. 1,779,005; Oct. 21.
- Lank, Isaiah S., Davenport, Iowa. Woodworking machine. 1,744,231; Jan. 21.
- Lankes, Eduard, Munich, Germany. Printing surface and producing the same. 1,745,764; Feb. 4.
- Lankoff, Antoni. (See Kaempf, R., and Lankoff.)
- Lanigan, James A. (See Perry, J. E., and Lanigan.)
- Lanners, Michael, et al. (See Steiner, Charles J., assignor.)
- Lannert, William H. J., and P. W. Cowle, assignors to Chicago Pump Company, Chicago, Ill. Pump. 1,767,535; June 24.
- Lanninger, Karl, Frankfurt-on-the-Main, Germany. Pipe line. 1,747,942; Feb. 18.
- Lansdown, Norman D., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Circular-knitting machine. 1,780,756; Nov. 4.
- Lanser, Alfred, Corseaux-Vevy, Switzerland. Liquid-fuel apparatus. 1,766,133; June 24.
- Lanser, Alfred, Corseaux-Vevy, Switzerland. Liquid-measuring apparatus. 1,783,510; Dec. 2.
- Lansing, Raymond P., Montclair, N. J. Vehicle spring controller. 1,764,046; June 17.
- Lansing, Raymond P., Montclair, N. J. Vehicle spring controller. 1,776,036; Sept. 16.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Yielding drive for dynamo-electric apparatus. 1,743,222; Jan. 14.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,753,830; Apr. 8.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,755,327; Apr. 22.

- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,758,118; May 13.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,760,874; June 3.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,760,988; June 3.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,768,081; June 24.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine-starting mechanism. 1,768,082; June 24.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine-starting mechanism. 1,768,083; June 24.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine-starting mechanism. 1,772,151; Aug. 5.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,773,107; Aug. 19.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,775,467; Sept. 9.
- Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starter. 1,777,172; Sept. 30.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,777,207; Sept. 30.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,778,458; Oct. 14.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,778,900; Oct. 21.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starter. 1,784,190; Dec. 9.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,785,319; Dec. 16.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,786,118; Dec. 23.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,786,119; Dec. 23.
- Lanternman, Lloyd S., La Canada, Calif. Steam or vapor generator. 1,780,529; Nov. 4.
- Lanternier, Clement J., Fort Wayne, Ind. Florist's water fountain. 1,753,424; Apr. 8.
- Lanz, Heinrich, Aktiengesellschaft. (See Huber, Fritz, assignor.)
- Lanz, John, assignor by mesne assignments to The A. C. Gilbert Company, New Haven, Conn. Electric fan. 1,780,789; Nov. 4.
- Lanzetta, Anthony, Bronx, N. Y. Aeroplane. 1,785,128; Dec. 16.
- Lanzi, Elmo G., assignor to Bonus Candy Corporation, Chicago, Ill. Coating apparatus. 1,785,835; Dec. 23.
- Lanzillotta, Rudolph, Columbus, Ohio. Sash balance. 1,783,573; Dec. 2.
- La Paugh, Louie T., and E. C. Shea, Oakland, Calif. Combined eyedropper and eyewash cup. 1,750,530; Mar. 11.
- Lape, Willard E., Syracuse, N. Y. Hydraulic transmission for motor vehicles. 1,773,587; Aug. 19.
- Lapham, Marshall, assignor to Spiral-Rolled Products Co., Inc., New York, N. Y. Track bolt. 1,772,582; Aug. 12.
- Lapidus, Henry B., Brooklyn, N. Y. Shoe construction. 1,745,627; Feb. 4.
- Lapierre, Lucien. (See Michaud, C. E., and Lapierre.)
- Lapin, Brian A., assignor to Proctor & Schwartz Electric Company, Philadelphia, Pa. Toaster. Des. 80,734; Mar. 18.
- Lapin, Charles V., Los Angeles, Calif. Aircraft. 1,766,390; June 24.
- Lapin, Samuel, Miami, Fla. Table receptacle holder. Des. 80,626; Mar. 4.
- Lapin Specialty Mfg. Co., The. (See Ehrlich, Rose, assignor.)
- La Plant, C. Lawrence, and S. S. McIntyre, Sedro-Woolley, Wash. Concrete-pavement surface-finishing roller. 1,744,272; Jan. 21.
- Lapointe, Albert A., West Hartford, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Oil burner. 1,782,730; Nov. 25.
- La Pointe, Francis J., Ann Arbor, Mich. Hydraulic broaching machine. 1,781,114; Nov. 11.
- Lapointe Machine Tool Company, The. (See Forberg, Albert, assignor.)
- Lappe, Franz, E. Koch, Ludwigshafen-on-the-Rhine, M. Pier, Heidelberg, and H. Sauer, Neurossen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Metallic apparatus for carrying out chemical and other processes. 1,783,726; Dec. 2.
- Lappin, Michael T., New York, N. Y. Check protector. 1,752,674; Apr. 1.
- Laprade, George A., East Orange, N. J., assignor to Ph. Eckhardt & Co., Inc., New York, N. Y. Traveling bag. 1,742,356; Jan. 7.
- Lapres, Theo. J., Inc. (See Miller, Paul R., assignor.)
- Lapsley, Robert. (See Blood, H. E., and Lapsley.)
- Laramie, Victor J., Detroit, Mich. Milk-bottle cap. 1,782,731; Nov. 25.
- Larche, Lucien E., Stamford, Conn. Tag holder. 1,776,734; Sept. 23.
- Lard, Allan E., Washington, D. C., assignor to The Metallic Shaft Company, Wilmington, Del. Metallic tube or shaft. 1,774,385; Aug. 26.
- Lard, Allan E., Washington, D. C., assignor to The Metallic Shaft Company, Wilmington, Del. Producing metallic tubes or shafts. 1,774,386; Aug. 26.
- Lardy, Guillaume, Roussillon, France, assignor, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Treatment of threads or fabrics containing cellulose acetate. 1,778,327; Oct. 14.
- La Reddola, Joseph, Brooklyn, N. Y. Dispensing apparatus. 1,745,427; Feb. 4.
- Large, George E., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Step for freight cars. 1,760,200; May 27.
- Large, William J., and J. O. Simpson, assignors to The E. Ingraham Co., Bristol, Conn. Regulator for clock movements. 1,785,267; Dec. 16.
- Largent, Raleigh M., Walla Walla, assignor to Cheney Weeder Company, Cheney, Wash. Gang weeder with tractor hitch. 1,784,362; Dec. 9.
- Larkey, Charles S., Tulsa, Okla. Electric swivel connection. 1,768,260; June 24.
- Larkin, David, St. Louis, Mo. Recovering the vapors of varnishes and the like. 1,743,554; Jan. 14.
- Larkin, David, Webster Groves, Mo. Strainer. 1,782,538; Nov. 25.
- Larkin, Elwood T., Buffalo, N. Y. Automatic controlling system for internal-combustion engines. 1,776,683; Sept. 23.
- Larkin, John A., New York, N. Y. Filler piece for structural-steel-framework fireproofing. 1,773,626; Aug. 19.
- Larkin, John F., North Pelham, N. Y. Carbon copying set. 1,743,822; Jan. 14.
- Larkin, Lester U., Atlanta, Ga. Refrigeration method and apparatus. 1,776,235; Sept. 16.
- Larkin, Walter, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Circular-knit ribbed fabric. 1,772,400; Aug. 5.
- Larner, Chester W., Philadelphia, Pa., assignor to I. P. Morris and De La Vergne, Inc. Sleeve valve. 1,752,439; Apr. 1.
- Larner, Herbert A., Staunton, Va. Skip conveyer. 1,774,895; Sept. 2.
- Laroche, Louis J., Reading, Pa. Doorstop or the like. Des. 82,682; Dec. 2.
- Laroche, Philemon, Lawrence, Mass. Display device. 1,755,607; Apr. 22.
- Laroze, Jean J. C., St. Cloud, assignor to the French Society "La Roue Elastique," Billancourt, Seine, France. Flexible wheel. 1,751,929; Mar. 25.
- Larquemin, Adolphe, Paris, France. Antiglare system. 1,777,498; Oct. 7.
- Larrey, Teodoro, and L. Godard, Mexico, Mexico. Steam-superheating system. 1,763,241; June 10.
- Larrison, Lewis K., Wharton, N. J. Plumbing device. 1,783,883; Dec. 2.
- Larsen, Alf N., Ogden, Utah. Adjustable aeroplane. 1,747,637; Feb. 18.
- Larsen, Arnold L. (See Colby, F. R., and Larsen.)
- Larsen, Carl B. (See Hendrickson, R. O., and Larsen.)
- Larsen, Carl C., Copenhagen, Denmark. Sorting screen. 1,771,541; July 29.
- Larsen, Charles, Denver, Colo. Apparatus for the removal of obstructive matter from oil wells. 1,780,428; Nov. 4.
- Larson, Charles E. (See Nelson, E. A., and Larson.)
- Larsen, Charles F., New York, N. Y. Igniter. 1,760,418; May 27.
- Larsen, Einar G., assignor of one-half to J. Fiala, Omaha, Nebr. Egg-handling machine. 1,779,174; Oct. 21.
- Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Clip for a fountain pen or the like. Des. 81,246; May 27.
- Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Clip for a fountain pen or the like. Des. 81,247; May 27.
- Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Fountain pen. Des. 81,248; May 27.
- Larsen, Gautier H. T., Eindhoven, Netherlands, assignor to Radio Corporation of America. Loud-speaker. 1,763,399; June 10.
- Larsen, Harry E., New York, N. Y., assignor to E. E. Allyn, as trustee for a syndicate composed of E. E. Allyn, R. H. White, and H. E. Larsen. Refrigerator. 1,781,758; Nov. 18.
- Larson, John A., San Jose, Calif. Rail joint. 1,784,604; Dec. 9.
- Larsen, Louis H., Union City, N. J., and C. W. Nixon, New York, N. Y. Handle-arresting mechanism for coin-controlled machines. 1,752,643; Apr. 1.
- Larsen, Louis H., Union City, N. J., and S. C. McKeown, Mount Vernon, assignors to Nixon Vending and Change Making Machines, Inc., New York, N. Y. Transmission mechanism for vending or like machines. 1,752,642; Apr. 1.
- Larsen, Ludwig A., South Ozone Park, N. Y. Variable-speed mechanism. 1,773,490; Aug. 19.

- Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Refrigerated agitating device. 1,748,385; Feb. 25.
- Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Spraying device. 1,753,522; Apr. 8.
- Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Apparatus for filling and capping bottles. 1,756,561; Apr. 29.
- Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Can-washing machine. 1,774,981; Sept. 2.
- Larsh, Everett P., Vandalia, assignor to The Master Electric Company, Dayton, Ohio. Exercising-machine frame. Des. 80,536; Feb. 18.
- Larsh, Everett P., assignor to The Master Electric Company, Dayton, Ohio. Shaft bearing. 1,773,427; Aug. 19.
- Larsh, Everett P., assignor to The Master Electric Company, Dayton, Ohio. Short circuiter. 1,779,006; Oct. 21.
- Larson, Alfred T., assignor to du Pont Ammonia Corporation, Wilmington, Del. Ammonia synthesis process. 1,771,130; July 22.
- Larson, Archibald W., and A. K. Epstein, Chicago, Ill. Medicinal product for intravenous use. 1,775,133; Sept. 9.
- Larson, Arvid, et al. (See Reini, Jack, assignor.)
- Larson, Axel F., assignor to Western Electric Piano Company. Talking machine. 1,751,162; Mar. 18.
- Larson, August, Chicago, Ill. Guitar. 1,768,261; June 24.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Signal lamp. 1,786,758; Dec. 30.
- Larson, Charles E. (See Nelson, E. A., and Larson.)
- Larson, Clas S., assignor to A. O. Smith Corporation, Milwaukee, Wis. Packing appliance for pipe testing. 1,757,724; May 6.
- Larson, Daniel M. (See Larson, Louis and D. M.)
- Larson, David C. (See Lindquist, D. L., Dunn, and Larson.)
- Larson, Elsie C., Nevada, Iowa. Collar and cuff. 1,787,113; Dec. 30.
- Larson, Ernest, Turlock, Calif. Cream siphon. 1,762,517; June 10.
- Larson, Florence T. (See Larson, Fred P. and F. T.)
- Larson, Fred P. and F. T., Ludington, Mich. Steamer. 1,753,895; Apr. 8.
- Larson, Gustav S., Los Angeles, Calif. Weather strip. 1,779,215; Oct. 21.
- Larson, Homer W. (See Jonkel, F. F., and Larson.)
- Larson, Karl R., South Auburn, assignor to Theodore W. Foster & Bros. Co., Providence, R. I. Vanity case. 1,743,611; Jan. 14.
- Larson, Leon H., Kalamazoo, Mich., assignor to The Kalbfleisch Corporation, New York, N. Y. Cold-water paint and making same. 1,781,019; Nov. 11.
- Larson, Louis and D. M., Hanaford, N. Dak. Scraper for vehicle tires. 1,753,992; Apr. 8.
- Larson, Louis and D. M., Hannaford, N. Dak. Tire scraper. 1,771,642; July 29.
- Larson, Niles, G. (See Cederberg, C. W., and Larson.)
- Larson, Oscar E., assignor to The Hermann Manufacturing Company, Lancaster, Ohio. Kiln roller. 1,752,675; Apr. 1.
- Larson, Oscar J., and J. R. Jones, assignors to Art Metal Construction Company, Jamestown, N. Y. Compressor and locking means therefor. 1,780,354; Nov. 4.
- Larson, Paul. (See Heacock, T. H., and Larson.)
- Larson, Roy C., Omaha, Nebr. Washing device. 1,742,360; Jan. 7.
- Larson, Theodore H., Chicago, Ill. Face-treating device. 1,758,286; May 13.
- Larson Tool & Stamping Company. (See Cederberg, C. W., and Larson, assignors.)
- Larson, Walter J., Wrangell, Alaska. Shotgun wad. 1,742,817; Jan. 7.
- Larsson, Carl A., Westminster, London, assignor to Vickers-Armstrongs Limited, London, England. Mounting for automatic guns. 1,784,016; Dec. 9.
- Larsson, Carl H., Chicago, Ill. Sound amplifier. 1,743,784; Jan. 14.
- Larsson, Carl H., Chicago, Ill. Valve tone throat. 1,781,402; Nov. 11.
- Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric connector. 1,770,619; July 15.
- Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Valve and switch operating means. 1,785,268; Dec. 16.
- Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Coupling mechanism. 1,785,269; Dec. 16.
- Larsson, Johan G., Svenstorp, Halmstadt, Sweden. Separator for cream or similar liquids. 1,742,400; Jan. 7.
- Larsson, Markus, Niagara Falls, N. Y., assignor, by mesne assignments, to Du Pont Ammonia Corporation, Wilmington, Del. Producing phosphoric acid and hydrogen. 1,756,429; Apr. 29.
- Larsson, Thure, assignor to Norton Company, Worcester, Mass. Tunnel kiln. 1,763,624; June 10.
- Larsson, Thure, assignor to Norton Company, Worcester, Mass. Segmental grinding wheel. 1,783,727; Dec. 2.
- Larsson, Thure, assignor to Norton Company, Worcester, Mass. Grinding wheel. 1,783,728; Dec. 2.
- Larsson, Thure, assignor to Norton Company, Worcester, Mass. Abrasive-wheel mount. 1,783,729; Dec. 2.
- La Rue, John B. (See Scofield, S. W., and La Rue.)
- La Rue, Walter W., Minneapolis, Minn. Peel duster. 1,771,495; July 29.
- La Rue, William D., Philadelphia, Pa., assignor to Victor Talking Machine Company. Diaphragm for accoustical instruments. 1,742,265; Jan. 7.
- Larus & Brother Company. (See Wysong, James R., assignor.)
- Larvex Corporation, The. (See Minaeff, Michael G., assignor.)
- La Salle Metal Arts Corporation. (See Hasenstab, Bernhard, assignor.)
- Lasar, Frank J., San Francisco, Calif., assignor to Champion Washer Company, Ltd. Washing machine. 1,750,961; Mar. 18.
- Lashar, Walter B., Fairfield, Conn., assignor to American Chain Company. Chain. 1,774,753; Sept. 2.
- Lashar, Walter B., Fairfield, Conn., assignor to American Chain Company, Inc. Screw eye. 1,779,256; Oct. 21.
- Lashenick, Joseph, Brooklyn, N. Y. Advertising display apparatus. 1,780,651; Nov. 4.
- Lasier, David R., assignor to Norton Lasier Company, Chicago, Ill. Door-holding means. 1,749,979; Mar. 11.
- Lasier, David R., assignor to Norton-Lasier Company, Chicago, Ill. Doorcheck. 1,753,214; Apr. 8.
- Lasier, Norton, Company. (See Lasier, David R., assignor.)
- Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuff from 2-3-hydroxynaphthoic acid arylids and making the same. 1,744,172; Jan. 21.
- Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and making same. 1,746,659; Feb. 11.
- Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azodyestuffs insoluble in water and making same. 1,762,022; June 3.
- Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of fast azo dyestuffs. 1,765,681; June 24.
- Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Automatic visible-card perforator. 1,763,163; June 10.
- Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Pin-box selective mechanism for accounting machines. 1,764,735; June 17.
- Lasker, William W., Brooklyn, assignor to Remington Rand Incorporated, New York, N. Y. Alphabetical printing mechanism. 1,768,526; June 24.
- Lasker, William W., Brooklyn, assignor to Remington Rand Incorporated, New York, N. Y. Tabulating machine. 1,780,621; Nov. 4.
- Laskey, William B., assignor to Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Method of and machine for forming confections having irregular shapes. 1,765,872; June 24.
- Laskey, William B., assignor to Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Candy machinery. 1,765,873; June 24.
- Laskey, William B., assignor to Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Forming candy. 1,765,874; June 24.
- Lasky, Charles, assignor of one-half to M. Klapper, St. Louis, Mo. Arch support. 1,761,079; June 3.
- Lasky, Mervyn C., Hollywood, Calif. Semifixed dental bridge. 1,749,493; Mar. 4.
- Lasley Robert E., Waukegan, Ill., assignor to one-fifth to M. C. Tonger, Odell, Ill. Power plant. 1,777,097; Sept. 30.
- Lasmolles, Jean R. F. M., Nerac, France. Heat engine acting as a pump. 1,750,229; Mar. 11.
- La Société Anonyme Jean Patou. (See Barbas, Raymond, assignor.)
- La Soudure Electrique Autogene S. A. (See Meunier, Francis, assignor.)
- Lassen, Arboe. (See Minkove, J. S., and Lassen.)
- Lassen, Frederik, Copenhagen, Denmark, assignor to Aktieselskabet De Forenede Bryggerier, Copenhagen, Denmark. Pasteurizer. 1,777,208; Sept. 30.
- Lassen, Grover V. (See White, Ezekiel F., assignor.)
- Lassen, Manuel, Detroit, Mich. Shaft support and seal. 1,769,030; July 1.
- Lassiter, Leon Y., Tulsa, Okla. Automatic reminder. 1,759,409; May 20.
- Lassiter, Robert G., & Co. (See Ragland, William T., assignor.)
- Lasswell, Jesse D., Chicago, Ill. Railway crossing. 1,766,913; June 24.
- La Suer, Fred V., Sioux City, Iowa. Wringer guard. 1,777,568; Oct. 7.
- Last, Erwin, Vienna, Austria. Device for the diathermic treatment of the human body. 1,786,541; Dec. 30.
- Laster, Harry W., Oak Park, Ill. Paving roller. 1,764,963; June 17.
- Laswell, Vernon E., assignor of one-half to W. M. Rozelle, one-fourth to H. H. Thornton, and one-fourth to R. S. Ward, Talladega, Ala. Rotary swing. 1,744,317; Jan. 21.
- Latcham, Arthur, et al. (See Eaton, Bertram, assignor.)

- La Tessa, Tully, assignor to J. A. Olson Company, Chicago, Ill. Mirror frame. Des. 81,308; June 3.
- Latham, Albert, deceased, Beverly, Mass., by James W. Nourbourn, administrator, Somerville, Mass., assignor to American Button & Fastener Co., Augusta, Me. Feeding mechanism. 1,754,275; Apr. 15.
- Latham, Henry J., et al. (See Read, William, assignor.)
- Latham, Herbert G., et al. (See Read, William, assignor.)
- Latham, Leonard. (See Dickie, W. A., Platts, and Latham.)
- Latham Machinery Company. (See Metcalf, I. R., Richardson, and Wolf, assignors.)
- Latham Manufacturing Company, The. (See Read, William.)
- Lathe, Frank E., Ottawa, Ontario, Canada. Refining nickel-copper matte. 1,756,092; Apr. 29.
- Lathrop, Frank H. (See Hartzell, A., and Lathrop.)
- Lathrop, Harry D. (See Hageline, Emil, assignor.)
- Lathrop, Harry D. (See Paulson, Walter H., assignor.)
- Lathrop, Harry D., Chicago, Ill. Milk-can-washing machine. 1,770,931; July 22.
- Lathrop, Harry D., and W. H. Paulson, Chicago, Ill.; said Paulson assignor to said Lathrop. Can-delivering and cover-applying mechanism. 1,765,594; June 24.
- Lathrop, Stanley J., et al. (See Polatsik, William, assignor.)
- Latimer-Goodwin Chemical Company, The. (See Goodwin, Harry B., assignor.)
- Latimer, Paul D., Ennis, assignor of seven-tenths to R. N. Burnett and one-fourth to A. M. Bownan, Houston, Tex. Belt connection. 1,765,080; June 17.
- Latko, Joseph. (See Jaskiewicz, F., and Latko.)
- Latorraca, Giuseppe. (See Antizzo, G., and Latorraca.)
- Latou, William L., assignor of one-half to C. H. Shaffer, Canton, Ohio. Handcuff. 1,775,727; Sept. 16.
- Latour, André, Grenoble, France. Rectifier of the synchronous type. 1,780,827; Nov. 4.
- Latour, Marius, San Sebastian, Spain. Motor-control system. 1,755,121; Apr. 15.
- Latour, Marius, San Sebastian, Spain. Electrocapillary device. 1,757,775; May 6.
- Latourelle, Joseph, and F. Stevermer, Centuria, Wis. Combined music rack and cane. 1,786,308; Dec. 23.
- La Tourrette, Willett J., Denver, Colo. Dandelion cutter and lifter. 1,751,481; Mar. 25.
- La Tourrette, Willett J., Denver, Colo. Container and measuring spoon therefor. 1,768,771; July 1.
- Latshaw, Elmer. (See Adams, W. S., and Latshaw.)
- Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Pedestal-gib lubricator. 1,745,222; Jan. 28.
- Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Articulated car. 1,754,111; Apr. 8.
- Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Car truck. 1,763,434; June 10.
- Latshaw, Elmer, assignor to the J. G. Brill Company, Philadelphia, Pa. Motor-driven car, swiveled axels. 1,771,932; July 29.
- Latta, Lynn H. (See Ike, L. E., Langren, Hutson, and Latta.)
- Latter, Thomas L., Chicago, Ill. Treating pictures. 1,752,011; Mar. 25.
- Latterell, Ralph B., Kandiyohi, Minn. Milk cooler and aerator. 1,764,269; June 17.
- Lattner, Paul M., Cedar Rapids, Iowa. Heat-conducting means for steam generators or fluid heaters. 1,782,171; Nov. 18.
- Latty, Xavier, Paris, France. Railroad-signal lock. 1,763,530; June 10.
- Lau, Edwin F. (See Knowlton, H. N., and Lau.)
- Lau, George, Jamaica, N. Y. and F. J. Pavelka, Clinton, Conn. Log-impregnating machine. 1,742,960; Jan. 7.
- Laub, Hans. (See Lund, H., Laub, and Hirt.)
- Laub, William H., New Richmond, Ohio. Animal catching and holding tool. 1,759,054; May 20.
- Laube, Clemens, O. K., deceased; F. B. Fischer, executor, Dresden, Germany. Box-making machine. 1,750,717; Mar. 18.
- Laubenheimer, Walter J., Chicago, Ill. Display carton. 1,764,216; June 17.
- Laubenheimer, Walter J., Chicago, Ill. Display carton. 1,769,183; July 1.
- Laubenstein, Albert R., Ashland, Pa. Ventilator. 1,750,413; Mar. 11.
- Laubenthal, Johann, assignor to Felten & Guillaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Apparatus for manufacturing wire rope. 1,761,482; June 3.
- Lauber, Erwin R., Emmishofen, Switzerland. Furnace for the production of aluminum. 1,769,298; July 1.
- Lauber, Leo, Chicago, Ill. Broom construction. 1,764,876; June 17.
- Lauber, William, Meadowbrook, Pa. Stocking. Des. 81,801; Aug. 12.
- Laubi, Otto A., Breuil, near Cuise Lamotte, assignor to Bozel Malettra, Societe Industrielle, de Produits Chimiques, Paris, France. Impregnating carbon electrodes. 1,779,242; Oct. 21.
- Lauchin, George Y., Milwaukee, Wis. Aeroplane. 1,752,012; Mar. 25.
- Laucks, I. F., Inc. (See Laucks, I. F., and Cone, assignors.)
- Laucks, I. F., Inc. (See Laucks, I. F., and Davidson, assignors.)
- Laucks, Irving F. (See Greene, F. C., and Laucks.)
- Laucks, Irving F. and C. N. Cone, assignors to I. F. Laucks, Inc., Seattle, Wash. Manufacture of glue and the product thereof. 1,757,805; May 6.
- Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Inc., Seattle, Wash. Construction unit of wood plies bound by vegetable protein adhesives. 1,751,339; Mar. 18.
- Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Inc., Seattle, Wash. Vegetable adhesive and method of making. 1,786,209; Dec. 23.
- Laudel, Eric, Bronx, assignor to Art Metal Spinning Co., New York, N. Y. Lamp or similar article. Des. 81,011; Apr. 22.
- Lauden, Fred R. (See Blackburn, J. M., and Lauden.)
- Lauder, Therese, Norwalk, Conn. Cake receptacle. 1,769,351; July 1.
- Laudicina, Giuseppe, East New Haven, Conn. Cast-stone trim block. 1,781,586; Nov. 11.
- Lauenstein, Carl F., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Heat treating of metals. 1,760,240; May 27.
- Lauenstein, Carl F., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Metal. 1,760,241; May 27.
- Lauenstein, Carl F., and N. M. Waterbury, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill. Treating malleable cast iron. 1,760,239; May 27.
- Lauer, George E., Oakland, Calif. Flue damper and latching mechanism. 1,785,385; Dec. 16.
- Laughlin, Albert J., Harrold, S. Dak. Barrel tilting and supporting device. 1,743,464; Jan. 14.
- Laughlin, Homer. (See Ames, S. L., and Laughlin.)
- Laughlin, Thomas F. (See Hilt, J., and Laughlin.)
- Laughton, Edmund M., et al., executors. (See Griffiths, J. P., and Street-Wilson.)
- Lauboff, Henry A., Detroit, Mich. Sprayer for cake bodies. 1,761,132; June 3.
- Laukandt, Bernhard F., Red Wing, Minn. Piano. 1,748,777; Feb. 25.
- Laukel, Arthur K., Detroit, Mich. Metal pattern and making same. 1,744,974; Jan. 28.
- Laurent, André, Brussels, Belgium. Liquid fuel. 1,770,315; July 8.
- Laurent, Emile M., St-Mande, Germany. Flying apparatus. 1,765,924; June 24.
- Laurent, Ernest P., Reims, France. Life-saving method and apparatus for submarine crews. 1,747,943; Feb. 18.
- Laurent, Louis C., assignor to H. J. Lenicheck, Denver, Colo. Sea-salt soap. 1,760,759; May 27.
- Lauria, Carmelo, New York, N. Y. Lamp stand. Des. 80,420; Jan. 28.
- Lauro, Joseph, South Miami, assignor of one-half to R. Ragozzino, Miami, Fla. Automobile tire lock. 1,753,124; Apr. 1.
- Laursen, Bruno L., Dunedin, Fla., assignor, by mesne assignments, of forty-eight per cent to Clearwater Lumber Company, Incorporated, Clearwater, Fla. Folding seat. 1,761,673; June 3.
- Laursen, Bruno L., Dunedin, assignor, by mesne assignments, of forty-eight per cent to Clearwater Lumber Company, Incorporated, Clearwater, Fla. Folding furniture. 1,765,168; June 17.
- Laursen, Laurits A., Eau Claire, Wis., assignor of one-fourth to P. L. Laursen, Akron, Ohio. Rubber-tire mold. 1,757,376; May 6.
- Laursen, Pearl L. (See Laursen, Lauritz A., assignor.)
- Laury, Napoleon A., Rockville Center, assignor to John C. Wiarda & Company, Brooklyn, N. Y. Manganese-compound recovery. 1,761,133; June 3.
- Lautenschlager, Carl L., Frankfurt-on-the-Main, and M. Bockmühl and R. Schwabe, Höchst-on-the-Main, and Germany, assignors, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Solution of medication and preparing same. 1,752,305; Apr. 1.
- Lautenschlager, William F., Cincinnati, Ohio, assignor to The Peerless Machinery Company, Boston, Mass. Safety device for perforating machines. 1,769,699; July 1.
- Lautenschlager, William F., Cincinnati, Ohio, assignor to Peerless Machinery Company, Boston, Mass. Throat plate for sewing machines. 1,773,046; Aug. 12.
- Lauter, Fred I., New York, N. Y. Sounding device. 1,742,266; Jan. 7.
- Lauter, Fred I., New York, N. Y. Sounding device. 1,742,267; Jan. 7.
- Lauter, Fred I., New York, N. Y. Sounding device. 1,769,584; July 1.
- Lauter, Ignatz. (See Depew, John, assignor.)
- Lauter, Philip, New York, N. Y. Variable resistance. 1,785,779; Dec. 23.
- Lauterbach, Fredrik, New York, N. Y. Game device. 1,766,134; June 24.
- Lauterbur, Edward J. (See Lauterbur, Frank X., and E. J.)
- Lauterbur, Frank X., and E. J. Lauterbur, Sidney, Ohio. Speed-controlling device. 1,757,124; May 6.
- Lauterer, Anton, Berlin-Schöneberg, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Transmitter. 1,760,242; May 27.
- Lautrup, George W., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Motor-operated brake. 1,787,044; Dec. 30.
- Laux, Julius, Uerdingen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of iron-oxide pigments. 1,774,930; Sept. 2.

- Laux, Julius, Uerdingen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of iron oxide pigments. 1,774,931; Sept. 2.
- Laux, Julius, Uerdingen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of iron-oxide pigments. 1,774,932; Sept. 2.
- L'Auxiliaire Des Chemins De Fer Et De L'Industrie. (See Fiedler, Sebastian O. A., assignor.)
- Lavarack, Frederick C., Montclair, N. J., and D. W. Richards, Roanoke, Va. Railway signaling. 1,752,493; Apr. 1.
- Lavarack, Frederick C., Montclair, N. J., assignor to Great Western Fuse Company, Pittsburgh, Pa. Renewable fuse. 1,755,546; Apr. 22.
- Lavarack, William H. B., Pine Bush, and R. Patterson, Albany, N. Y. Dead-end-wire connection. 1,772,184; Aug. 5.
- La Velle, Mathew A., Long Beach, Calif. Centering device for well casings or liners. 1,773,398; Aug. 19.
- Lavender, Ellis R., Ralph, Ala. Disk for harrows. 1,742,401; Jan. 7.
- Lavender Line, Inc. (See Fisher, Edward J., assignor.)
- Laverack, Squire, assignor of one-half to E. Sanderson, Glasshoughton, Castleford, England. Submersible life-saving and salvaging vessel. 1,777,209; Sept. 30.
- Laverdiere, Arthur J., assignor to Tilton & Cook Co., Leominster, Mass. Device for curling or waving hair. 1,758,050; May 13.
- Laverdiere, Malvina D., Rochester, N. H. Rubber apron for hairdressers. 1,742,995; Jan. 7.
- Lavergne, Jean, assignor to R. Forest, Paris, France. Mechanical device for the supply of explosible gas to internal-combustion engines. 1,765,278; June 17.
- Lavers, Brenton B. (See Mutz, W. E., and Lavers.)
- Lavery, Hugh. (See Beach, Ray G., assignor.)
- Lavery, William, Bloomfield, N. J. Device to prevent retrograde movement. 1,749,638; Mar. 4.
- Lavett, Charles O., Buffalo, N. Y. Apparatus for controlling density or viscosity of liquids. 1,765,433; June 24.
- La Vigna, William, University Heights, assignor to The Lincoln Electric Company, Cleveland, Ohio. End bracket for dynamo-electric machines. 1,772,836; Aug. 12.
- La Vigne, Jerome R., assignor to Waterbury Buckle Company, Waterbury, Conn. Buckle. Des. 81,138; May 13.
- Lavigne, Michael A. S., Winsted, Conn., assignor of seventeen per cent to A. M. Khoury, Burlington, Vt. Oil burner. 1,763,164; June 10.
- Lavin, Gertrude M., et al., executors. (See Fox, William T.)
- Lavirotte, Francois, Lyon, France, assignor to Standard Oil Development Company. Preparing petrolatum and the like and product obtained thereby. 1,785,270; Dec. 16.
- Lavoie, Alphonse J., Montreal, Quebec, Canada. Vehicle brake. 1,761,043; June 3.
- Lavoie, Louis, Quebec, Quebec, Canada. Oil feeding and atomizing device for oil burners and other equipment. 1,774,714; Sept. 2.
- Law, Albert, Jackson Heights, N. Y. Method and mold for casting hollow metal articles. 1,763,895; June 17.
- Law, Duff C. (See Kitsée, I., and Law.)
- Law, Janet F., administratrix. (See Kitsée, I., and Law.)
- Law, Otis E., assignor to Pinless Clothes Line Corporation, Brookfield, Ill. Metallic clothesline. 1,783,245; Dec. 2.
- Law, Ray B., and J. A. Clapper, Muscatine, Iowa. Spring compressor. 1,749,591; Mar. 4.
- Law, William, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Die-hobbing machine. 1,769,742; July 1.
- Lawaczek, Franz, Munich, Germany. Siphon spillway. 1,770,340; July 8.
- Lawaczek, Franz, Munich, Germany. Railway system. 1,773,047; Aug. 12.
- Lawaczek, Franz, Munich, Germany, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Rotary hydraulic machine, especially centrifugal pump. 1,745,854; Feb. 4.
- Lawaczek, Franz, Pocking, Upper Bavaria, Germany, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Shaft packing. 1,770,496; July 15.
- Lawaczek, Franz, Munich, assignor to the firm Lawaczek Gesellschaft mit beschränkter Haftung, Berlin, Germany. Electrolytic cell. 1,771,091; July 22.
- Lawaczek, Franz, Munich, assignor to firm Lawaczek Gesellschaft mit beschränkter Haftung, Berlin, Germany. Power plant. 1,779,549; Oct. 28.
- Lawaczek, Franz, Munich, Germany, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Utilization of hydraulic energy. 1,780,490; Nov. 4.
- Lawaczek, Franz, Munich, Germany, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Hydraulic machine. 1,785,354; Dec. 16.
- Lawaczek Gesellschaft mit beschränkter Haftung. (See Lawaczek, Franz, assignor.)
- Lawder, Cecil I., Rockwood, Ill. Lime spreader. 1,745,938; Feb. 4.
- Lawhon, Charles D., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Soldering flux. 1,748,180; Feb. 25.
- Lawler, James J., Mount Vernon, N. Y. Hydrothermostatic valve control. 1,784,734; Dec. 9.
- Lawler, James J., Mount Vernon, N. Y. Thermostat. 1,783,574; Dec. 2.
- Lawlor, John J. (See Johnson, V. A., and Lawlor.)
- Lawless, John W., Camden, N. J. Valve structure. 1,743,278; Jan. 14.
- Lawlor, James, et al. (See Dwelle, Walter K., assignor.)
- Lawlor, John J. (See Morris, T. O., and Lawlor.)
- Lawner, Nicholas, assignor to American Sundries Co., Inc., Brooklyn, N. Y. Electric vaporizer. 1,743,823; Jan. 14.
- Lawrence, A. C., Leather Company. (See Shoemaker, John G., assignor.)
- Lawrence, Alfred. (See Brauning, K. A., and Lawrence.)
- Lawrence, Alfred, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Cylinder lock. 1,785,634; Dec. 16.
- Lawrence, Albert J., St. Paul, Minn. Circle cutter. 1,765,799; June 24.
- Lawrence, Cecil H., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Bag ornament. Des. 81,097; May 6.
- Lawrence, Cecil H., Attleboro, Mass., assignor to Evans Case Company. Table lighter. Des. 82,749; Dec. 9.
- Lawrence, Charles B., assignor to The P. A. Geier Company, Cleveland, Ohio. Attaching mechanism for suction cleaner nozzles and the like. 1,779,606; Oct. 28.
- Lawrence, Charles M. (See Kurowski, Alfred G. F., and Lawrence.)
- Lawrence, Christopher J., Graff, Minn. Door latch. 1,757,913; May 6.
- Lawrence, Edward C., Oakland, Md. Radiator cover. 1,771,714; July 29.
- Lawrence, Edward D., Oakland, Calif. Transfer board for printing presses. 1,754,795; Apr. 15.
- Lawrence, Edward G. (See McClintock, O. B., and Lawrence.)
- Lawrence, Edwin, jr., Cossipore, Calcutta, India. Apparatus and method of extracting oil from oleaginous material. 1,748,356; Feb. 25.
- Lawrence, Fred C., and J. P. Winters, El Dorado, Kans. True-bore-forming guide for rotary drill stems. 1,773,231; Aug. 19.
- Lawrence, Fred E., Modesto, Calif. Wave-power apparatus. 1,754,025; Apr. 8.
- Lawrence, George. (See Peterson, Carl, assignor.)
- Lawrence, George R., Chicago, Ill. Intake system for internal-combustion engines. 1,745,020; Jan. 28.
- Lawrence, George R., Chicago, Ill. Engine. 1,748,072; Feb. 25.
- Lawrence, Granville P., Baltimore, Md. Adjustable shade bracket. 1,777,697; Oct. 7.
- Lawrence, John D., San Diego, Calif. Multicable, extension hoist conveyer. 1,760,150; May 27.
- Lawrence, John H., assignor, by mesne assignments, to Metropolitan Engineering Corporation, New York, N. Y. Gas-cleaning apparatus. 1,774,604; Sept. 2.
- Lawrence, John H., New York, N. Y. and J. A. Freiday, East Orange, N. J., assignors, by mesne assignments, to Metropolitan Engineering Company. Boiler. 1,776,836; Sept. 30.
- Lawrence, Joseph L., San Francisco, Calif., assignor to Circle Pump Company. Motor-driven pump. 1,777,852; Oct. 7.
- Lawrence Paper Manufacturing Company. (See Dinsmoor, Paul A., assignor.)
- Lawrence Paper Manufacturing Company. (See Hill, Irving, assignor.)
- Lawrence Paper Manufacturing Company. (See Hill, I., and Clayton, assignors.)
- Lawrence, Ralph E. (See Corson, H. P., and Lawrence.)
- Lawrence, Ralph E., Wickliffe, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Acid treatment of metal articles. 1,780,594; Nov. 4.
- Lawrence, Ralph E., Wickliffe, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Inhibitor. 1,780,595; Nov. 4.
- Lawrence, William H., New York, N. Y., assignor to Johnsmannville Corp. Protective covering for bridges. 1,780,622; Nov. 4.
- Lawrie, John. (See Fritsch, Rockel A., assignor.)
- Lawrie, Leslie G. (See Horsfall, R. S., Lawrie, and Henderson.)
- Lawrie, Leslie G., F. W. Lynch, and E. H. Rodd, Blackley, Manchester, assignors to British Dyestuffs Corporation, Limited, Manchester, England. Dyeing cellulose ester and ether. 1,772,515; Aug. 12.
- Lawry, Rolla C., Webster Groves, Mo., assignor, by mesne assignments, to Neet, Incorporated, Wilmington, Del. Vaginal irrigator. 1,758,670; May 13.
- Laws, Arthur J., Lakewood, Ohio. Printed transfer and making and using the same. 1,780,021; Oct. 28.
- Laws, David W., London, England. Attachment for use in connection with circular and other saws. 1,744,006; Jan. 14.
- Lawser, Charles W., Bala, assignor to Wicaco Machine Corporation, Philadelphia, Pa. Spinning pump. 1,785,355; Dec. 16.
- Lawser, Charles W., Bala, assignor to The Wicaco Machine Corporation, Philadelphia, Pa. Pumping unit for artificial-silk-spinning machines. 1,783,439; Dec. 2.
- Lawser, Charles W., Bala, assignor to Wicaco Machine Corporation, Philadelphia, Pa. Spinning pump. 1,785,356; Dec. 16.
- Lawson, Charles J., Greenville, Miss. Siphon measuring tank. 1,772,903; Aug. 12.

- Lawson, Clarence A., jr. (See Lawson, Clarence A., sr., and C. A., jr.)
- Lawson, Clarence A., sr., and C. A., jr., Los Angeles, Calif. Dental cabinet. 1,780,757; Nov. 4.
- Lawson, Davenport, assignor to Goodyear Redwood Co., Elk, Calif. Logging system. 1,782,043; Nov. 18.
- Lawson, Edith C., Geneva, N. Y. Water kettle. Des. 82,567; Nov. 18.
- Lawson, Harry B., Huntington, W. Va., assignor, by mesne assignments, to Ball Brothers Company, Muncie, Ind. Take-off device for glass-forming machines. 1,771,576; July 29.
- Lawson, Joel S., St. James, assignor to Memco Engineering & Manufacturing Company, Inc., New York, N. Y. Electric switch. 1,784,735; Dec. 9.
- Lawson, John, assignor to Hemphill Company, Central Falls, R. I. Machine for making fashioned hosiery. 1,751,450; Mar. 18.
- Lawson, John and R. H., assignors to Hemphill Company, Pawtucket, R. I. Mechanism for controlling knitting needles in plating operations. 1,785,200; Dec. 16.
- Lawson, John C., Royston, England. Infinitely-variable gear. 1,769,847; July 1.
- Lawson, John F., Brooklyn, N. Y. Electric welding. 1,786,759; Dec. 30.
- Lawson, John F., Brooklyn, N. Y., assignor, by mesne assignments, to Steel and Tubes, Inc. Cutting machine. 1,782,692; Nov. 25.
- Lawson, John W., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,750,274; Mar. 11.
- Lawson, John W., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,753,571; Apr. 8.
- Lawson, Joseph, assignor to Asiatic Petroleum Company, Limited, London, England. Fluid-tight motion-transmitting device. 1,758,287; May 13.
- Lawson, Lindley S., Pittsburgh, Pa. Portable electric room heater. Des. 81,249; May 27.
- Lawson, Oscar L., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sewing machine. 1,772,050; Aug. 5.
- Lawson, Oscar L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,773,271; Aug. 19.
- Lawson, Oscar L., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Thread-measuring mechanism for shoe-sewing machines. 1,786,621; Dec. 30.
- Lawson, Robert H. (See Lawson, John and R. H.)
- Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Means and instrumentality for effecting reverse plating. 1,758,899; May 13.
- Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Mechanical movement. 1,778,901; Oct. 21.
- Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Yarn controlling mechanism for knitting machines. 1,757,434; May 6.
- Lawson, Robert S. O., Jersey City, N. J. Friction rope. 1,769,585; July 1.
- Lawson, Thomas M. (See Conway, I. M., and Lawson.)
- Lawson, Thomas M., Indianapolis, Ind. Used journal-box-waste cleaning machine. 1,787,156; Dec. 30.
- Lawson, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,780,652; Nov. 4.
- Lawton, Clarence. (See Hamilton, G. F., Holzapfel, Girty, and Lawton.)
- Lawton, Elmer R., Philadelphia, Pa. Window-shade device. 1,768,410; June 24.
- Lawton, Harris A., and A. J. Carmichael, New Haven, Conn., assignors to The Greist Manufacturing Company. Sewing-machine ruffler. 1,752,096; Mar. 25.
- Lawton, John E., Coudersport, Pa. Flier for silk-spinning machines. 1,768,204; June 24.
- Lawton, Joseph J., Syracuse, assignor to Semet-Solvay Company, New York, N. Y. Neutralizing washed light oil. 1,779,944; Oct. 28.
- Lawton, Stuart R., assignor to General Motors Corporation, Detroit, Mich. Top bracket. 1,768,364; June 24.
- Lay, J. Coy, et al. (See Riley, Charles T., assignor.)
- Laycock, Arthur, Los Angeles, Calif. Poultry coop. 1,772,814; Aug. 12.
- Layer, Frank C., Algonquin, Ill. Brick-laying machine. 1,786,622; Dec. 30.
- Layton, Arthur J., Lowell, assignor of one-half to Reuben Dunsford, Chelmsford, Mass. Wrench. 1,761,988; June 3.
- Layman, Stephen D., East Orange, N. J., assignor to C. Miller, Long Island City, N. Y. Shoe-tree. 1,767,145; June 24.
- Laymon, Herman B., Spencer, Ind. Making bags. 1,783,845; Dec. 2.
- Layne & Bowler Corporation. (See Layne, Mahlon E., assignor.)
- Layne & Bowler Company, The. (See Roco, Albert L., assignor.)
- Layne, Mahlon E., Houston, Tex., assignor to Layne & Bowler Corporation, Los Angeles, Calif. Rotary pump mechanism. 1,754,547; Feb. 4.
- Layne, Mahlon E., Houston, Tex., assignor to Layne & Bowler Corporation, Los Angeles, Calif. Thrust-bearing-aligning method. 1,759,234; May 20.
- Layng, Henry G., deceased, Chicago, Ill., by R. A. Layng, Brooklyn, N. Y., executrix. Coal-briquette machine. 1,752,644; Apr. 1.
- Layng, John M. (See Hack, H. W., and Layng.)
- Layng, Rosa A., executrix. (See Layng, Henry G.)
- Layng, Thomas E. (See Parr, S. W., and Layng.)
- Layton, Harry B., assignor to G. W. Baker Machine Company, Wilmington, Del. 1,752,440. Apr. 1.
- Layton, Robert T. (See Gibbons, C., Layton, and Basevi.)
- Layton, Samuel D., Galion, Ohio. Producing steel abrasive material. 1,751,340; Mar. 18.
- Lazar, Alexander, Port Arthur, Ontario, Canada. Smoking-pipe filler. 1,757,673; May 6.
- Lazar, Dave, Brooklyn, N. Y. Vending machine. 1,767,684; June 24.
- Lazarus, Rex H., Jackson, Mich. Flag holder. 1,782,070; Nov. 18.
- Lazerson, Abraham, Chicago, Ill. Lighting fixture. 1,772,724; Aug. 12.
- Lazerson, Abraham, assignor to Solar Illuminating Company, Chicago, Ill. Wall bracket for lighting fixtures. Des. 80,735; Mar. 18.
- Lazich, Branko. (See Ashworth, H. E., and Lazich.)
- Lazier, Wilbur A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst and catalytic process. 1,746,781; Feb. 11.
- Lazier, Wilbur A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst and catalytic process. 1,746,782; Feb. 11.
- Lazier, Wilbur A., Elmhurst, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process. 1,746,783; Feb. 11.
- Lea, Charles, assignor to The Automatic Merchandizer Inc., Boston, Mass. Vending machine. 1,787,204; Dec. 30.
- Lea, Edward S., Morrisville, Pa., assignor to Carrier Construction Company, Inc., Newark, N. J. Radiator and the like. 1,760,505; May 27.
- Lea Fabrics Inc. (See Smith, P. S., and Jegge, assignors.)
- Lea, James E., Manchester, England. Apparatus for measuring granular materials volumetrically. 1,773,816; Aug. 26.
- Lea, John M., Detroit, Mich. Electric-motor mechanism. 1,757,840; May 6.
- Lea, Langdon. (See Hawthorne, J. A., and Lea.)
- Lea, Langdon, Wynnewood, and J. A. Hawthorne, jr., Moores, Pa. Level. 1,786,309; Dec. 23.
- Lea, William C., Los Angeles, Calif. Double-hung reversible metal window construction. 1,760,072; May 27.
- Leach, Arthur, Kenosha, Wis. Toy airplane. 1,748,421; Feb. 25.
- Leach Company. (See Leach, Elbert C., assignor.)
- Leach, Edgar J., assignor to Ackermite Company, Janesville, Wis. 1,748,037; Feb. 18.
- Leach, Edgar J., assignor to Ackermite Company, Janesville, Wis. Producing bearings. 1,748,038; Feb. 18.
- Leach, Edgar J., Janesville, Wis., assignor to Time-O-Stat Controls Company, Elkhart, Ind. Pilot-controlled gas valve. 1,773,817; Aug. 26.
- Leach, Edgar J., Janesville, Wis., assignor to Time-O-Stat Controls Company, Elkhart, Ind. Thermostatic valve. 1,783,730; Dec. 2.
- Leach, Elbert C., assignor to Leach Company, Oshkosh, Wis. Pike construction. 1,752,013; Mar. 25.
- Leach, Ernest C. (See Johnson, L. E., and Leach.)
- Leach, Robert W., and W. H. Bateman, Newport, England. Valve. 1,780,160; Nov. 4.
- Leach, Robert W., and W. H. Bateman, Newport, England. Valve. 1,780,828; Nov. 4.
- Leach, Vernon G., Chicago, Ill. Air-cooled furnace block. 1,756,031; Apr. 29.
- Leach, Vernon G., assignor to Modern Coal Burner Co., Chicago, Ill. Material feeder. 1,767,248; June 24.
- Leach, William W., Mansfield, Ohio. Loading crane. 1,783,021; Nov. 25.
- Leacock, Willis H., and J. L. Snyder, Lincoln, Nebr. Sash bar. 1,772,630; Aug. 12.
- Leader Iron Works. (See Summers, Louis D., assignor.)
- Leahy, Albert M. (See Reid, J., Leahy, and Lutts.)
- Leahy, Albert M., Somerville, C. G. Lutts, Salem, and J. Reid, deceased, Watertown, by M. S. Reid, administratrix. Watertown, Mass. Detachable chain link. 1,776,515; Sept. 23.
- Leahy, Frank E., Pittsburgh, Pa., assignor to Republic Flow Meters Co., Chicago, Ill. Differential compensating float. 1,777,145; Sept. 30.
- Leahy, Maurice R., Kansas City, Mo., and M. J. Phelan, Kansas City, Kans. Street sign. 1,781,020; Nov. 11.
- Leahy, T. J. (See Chettick, Robert L., assignor.)
- Leahy, Thomas F., assignor to American Hotel Register Co., Chicago, Ill. Inkwell. 1,769,299; July 1.
- Leak, Arthur H., Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Crank-case construction. 1,773,399; Aug. 19.
- Leake, Arthur G., Bridgeport, Conn. Strengthening structural members under load. 1,770,932; July 22.
- Leake, Arthur G., Bridgeport, Conn. Strengthening structural members under load. 1,770,933; July 22.
- Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Relay-operating mechanism. 1,748,917; Feb. 25.
- Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Relay-operating mechanism. 1,766,658; June 24.

- Leake, Thomas C., assignor, by mesne assignments, to Bear Tractor Corporation of America, New York, N. Y. Frame structure for tractors. 1,746,001; Feb. 4.
- Leal, Joseph H., Los Angeles, Calif. Moistening device. 1,742,548; Jan. 7.
- Leaman, Thomas P., Bridgeport, Conn. Drafting implement. 1,759,989; May 27.
- Leamon, William G., Newark, Ohio. Electric-circuit-control system. 1,747,252; Feb. 18.
- Leamon, William G., Newark, Ohio. Process of and apparatus for treating oils. 1,769,788; July 1.
- Leamon, William G., Newark, Ohio. Process of and apparatus for converting heavy mineral oils into lower-boiling products. 1,769,789; July 1.
- Leamon, William G., Newark, Ohio. Manufacture of useful products from mineral oils. 1,769,790; July 1.
- Leamon, William G., Newark, Ohio. Treating oils. 1,769,791; July 1.
- Leamon, William G., Newark, Ohio. Treatment of oils for improving the same. 1,769,792; July 1.
- Leamon, William G., Newark, Ohio. Treating oils to improve the same. 1,769,793; July 1.
- Leamon, William G., New York, N. Y. Treating oils. 1,769,794; July 1.
- Leamon, William G., Newark, Ohio. Treating oils. 1,769,795; July 1.
- Leamy, Alan H., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Automobile body. Des. 82,269; Oct. 14.
- Leamy, Alan H., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Automobile. Des. 82,428; Nov. 4.
- Leamy, Alan H., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Automobile. Des. 82,437; Nov. 4.
- Leanhart, Jacob F., Louisville, Ky. Condensing radiator. 1,768,084; June 24.
- Leap, Charles H. (See Shirley, W. L., and Leap.)
- Lear, Arthur F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,761,080; June 3.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,750,323; Mar. 11.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,761,134; June 3.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-feed-controlling device. 1,762,178; June 10.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,771,181; July 22.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotation mechanism for rock drills. 1,773,366; Aug. 19.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,781,021; Nov. 11.
- Lear, Joseph D. (See Hutchings, L. E., and Lear.)
- Lear, Sidney, Germantown, Pa. Easel support. 1,784,736; Dec. 9.
- Lear, William P., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Radio control device. Des. 82,164; Sept. 30.
- Lear, William P., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Radio control device. Des. 82,165; Sept. 30.
- Leary, James P., assignor to The Process Casting Company, Baltimore, Md. Chilling mold. 1,753,380; Apr. 8.
- Leary, John C., San Francisco, Calif. Piston-guiding means. 1,769,375; July 1.
- Leary, John C., San Francisco, Calif. Piston mechanism for internal-combustion engines. 1,769,376; July 1.
- Leask, John P. (See Quiroz, F. A., and Leask.)
- Leasman, Emil L., Milwaukee, Wis. Core and forming the same. 1,751,482; Mar. 25.
- Leasure, David E., Los Angeles, assignor of one-half to R. E. Leasure, Ventura, Calif. Battery tongs. 1,766,827; June 24.
- Leasure, Leland S., Culver City, Calif. Sash fastener. 1,746,734; Feb. 11.
- Leasure, Roy E. (See Leasure, David E., assignor.)
- Leather, Felix J., London, England. Hood for automobiles and other vehicles. 1,786,662; Dec. 30.
- Leather, Fitzherbert, Seattle, Wash. Dispensing device for air-sealed cans. 1,770,576; July 15.
- Leather Makers Process Company. (See Allen, William H., assignor.)
- Leather Makers' Process Company. (See Beck, Walter A., assignor.)
- Leather, Robert S., Waterbury, Conn. Abrasive compound. 1,748,778; Feb. 25.
- Leatherdale, Alfred J., London, England. Machine for wrapping bread and other articles. 1,746,660; Feb. 11.
- Leatherman, Jerry M., Akron, Ohio. Butter-serving machine. 1,767,803; June 24.
- Leatherman, Ralph D., Tipton, Ind. Heat controller. 1,768,085; June 24.
- Leavell, John H., Los Angeles, Calif. Method of and apparatus for presenting theatrical impressions. 1,749,187; Mar. 4.
- Leavey, Thomas E. (See Tyler, J. C., and Leavey.)
- Leavin, Samuel B. (See Leavin, William H. and S. B.)
- Leavin, William H., assignor to Gotham Knitbac Machine Corporation, New York, N. Y. Run-repairing multiple-needle hand tool. 1,756,294; Apr. 29.
- Leavin, William H. and S. B., assignors by mesne assignments to Gotham Knitbac Machine Corporation, New York, N. Y. Knitting needle. 1,780,790; Nov. 4.
- Leavitt, Harry N., Springfield, Mo. Water-heating apparatus. 1,755,261; Apr. 22.
- Leavitt, Maurice. (See Luce, Matthew, jr., assignor.)
- Leavitt, Samuel, Worcester, Mass. Tire spreader. 1,776,037; Sept. 16.
- Lebaron Detroit Company. (See Roberts, R. S., and Voitypka, assignors.)
- Lebby, States L., assignor to Corning Glass Works, Corning, N. Y. Projector. 1,780,355; Nov. 4.
- Lebby, States L., assignor to Corning Glass Works, Corning, N. Y. Cover glass. 1,782,732; Nov. 25.
- Lebecque, Maurice, and F. McDonnell, Tonopah, Nev. Fire extinguisher. 1,772,425; Aug. 5.
- Lebedenko, Nikolaus, Berlin-Wilmersdorf, Germany. Manufacture of photographic pictures on chromated gel layers. 1,785,635; Dec. 16.
- Lebeis, Martin, Berlin, Germany, assignor to Remington Rand Incorporated, New York, N. Y. Tabulating machine. 1,780,884; Nov. 4.
- Lebensart, Salamon, Vienna, Austria. Ignition device for projectiles. 1,769,848; July 1.
- Lebensart, Salamon, Vienna, Austria. Explosive missile. 1,770,577; July 15.
- Leber, Harry S., Crafton, Pa. Combination bathtub and shower. 1,785,636; Dec. 16.
- Leber, Max. (See Schölnhammer, Hans, assignor.)
- Leber, William C., Fargo, N. Dak. Storm window. 1,776,160; Sept. 16.
- Leberman, Harry, assignor to Groove Lock Co. Inc., New York, N. Y. Fastening device for bag handles and the like. 1,774,100; Aug. 26.
- Leberman, Harry, assignor to Groove Lock Co. Inc., New York, N. Y. Fastening device for pocketbooks and the like. 1,782,208; Nov. 18.
- Lebherz, Harry J., assignor to The Everedy Company, Frederick, Md. Capping machine. 1,744,076; Jan. 21.
- Lebherz, Harry J., assignor to The Everedy Company, Frederick, Md. Pneumatic door closer. 1,759,649; May 20.
- Lebherz, Harry J., assignor to The Everedy Company, Frederick, Md. Bottle capper. 1,766,178; June 24.
- Lebherz, Harry J., assignor to The Everedy Company, Frederick, Md. Cover for radiators. 1,777,210; Sept. 30.
- Leblanc, Charles L. A. M., assignor to Société Anonyme Pour L'Exploitation Des Procédés Maurice Leblanc-Vickers, Paris, France. Auxiliary condenser for two-stage air ejectors. 1,769,743; July 1.
- Le Bleu, Charles, Los Angeles, Calif. Power tilting device for scrapers. 1,773,536; Aug. 19.
- Le Bloas, Jean, New York, and E. S. Janes, Floral Park, N. Y., assignors to Marcel Guerlain, Inc. Bottle or similar article. Des. 80,572; Feb. 25.
- Le Blond Aircraft Engine Corporation, The. (See Angle, Glenn D., assignor.)
- Le Blond, Edmond J., St. Paul, Minn. Transformer-supporting structure. 1,749,252; Mar. 4.
- Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Siekmann, assignors.)
- Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)
- Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)
- Lebocey, Gaston, Troyes, France. Device for the travel of endless bands. 1,770,316; July 8.
- Le Boeuf, Frank. (See Kellogg, L. C., and Le Boeuf.)
- Le Boeuf, Oscar J., Gary, Ind. Catcher for rolling mills. 1,773,463; Aug. 19.
- Le Boeuf, Russell L., assignor of one-fourth to A. J. Brickner and one-fourth to H. W. Kropf, Muskegon Heights, Mich. Welding device. 1,775,532; Sept. 9.
- Le Breton, Eliane. (See Kahn, M., Le Breton, and Schaeffer.)
- Le Brosi, Rene G., et al. (See Hopkins, Nevil M., assignor.)
- Le Bus, George F., Electra, Tex. Fishing socket. 1,780,134; Oct. 28.
- Le Bus, John E., Electra, Tex. Drive or clutch mechanism for winches. 1,786,351; Dec. 23.
- Le Bus, John E., Electra, assignor, by mesne assignments, to O'Donohoe Detachable Blade Drilling Bit Company, Wichita Falls, Tex. Rotary drill. 1,761,216; June 3.
- Lecher, Hans, and W. Zieser, Leverkusen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Vulcanization accelerator. 1,766,755; June 24.
- Lechler, Emil E. (See Rutter, M., and Lechler.)
- Lechler, Paul. (See Mezger, Robert, assignor.)
- Lechner, Fulton, Orwigsburg, Pa. Automobile signal light. 1,746,120; Feb. 4.
- Leckie, Herbert V., Stratford, and W. H. Woodford, Bridgeport, Conn., assignors to Remington Arms Company, Inc. Electric heater. 1,767,249; June 24.
- Leckie, Herbert V., Stratford, and W. H. Woodford, Bridgeport, Conn., assignors to Remington Arms Company, Inc. Plastic composition. 1,768,363; June 24.
- Le Clear, Gifford. (See Densmore, E. D., and Le Clear.)
- Le Clear, Gifford, et al., executors. (See Densmore, E. D., and Le Clear.)
- Lecocq, Eugène, assignor to Société Générale de Fours à Coke, Systèmes Lecocq Société Anonyme, Brussels, Belgium. Coke oven. 1,761,835; June 3.

- Leece, Maurice C. H. O., Cambrai, France. Weaving loom. 1,760,948; June 3.
- Lecrenier, Celestin, Tampa, Fla. Water motor. 1,773,189; Aug. 19.
- Lecroy, Thomas T., Phoenix, Ariz. Game apparatus. 1,744,649; Jan. 21.
- Lecuona, Jose, Stockton, Calif. Windmill. 1,766,391; June 24.
- Ledbetter, Elmer E., assignor to Ever Hot Heater Company, Detroit, Mich. Oven thermostat. 1,762,179; June 10.
- Ledbetter, Roy H., Fairfield, Ala. Water-cooled tuyere. 1,774,444; Aug. 26.
- Leddon, Harry C., Cleveland, Ohio. Cover for faucets, etc. 1,758,708; May 13.
- Ledeboer, Antoinette E. M. G., administratrix. (See Ledeboer, Pierre H.)
- Ledeboer, Pierre H., deceased, by A. E. M. G. Ledeboer, administratrix, Paris, France, assignor to Staalsyndicaat Dr. Ledeboer II, The Hague, Netherlands. Working up iron ores in a direct way. 1,759,753; May 20.
- Leder, Paul. (See Lensch, R., and Leder.)
- Lederer, Ernest A. (See Sproesser, W. C., and Lederer.)
- Lederer, Ernest A., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron-discharge device and getter therefor. 1,752,747; Apr. 1.
- Lederer, Ernest A., East Orange, N. J., assignor to Westinghouse Lamp Company. Prevention of electrical leakage. 1,752,748; Apr. 1.
- Lederer, Irving R., Providence, R. I. Wrist-watch strap. 1,784,239; Dec. 9.
- Lederer, Sigmund L., Providence, R. I., assignor to Providence Stock Company. Bracelet chain. Des 82,508; Nov. 11.
- Lederman, Max, New York, N. Y. Garter. 1,753,125; Apr. 1.
- Lederwerke Becker & Co. (See Hausmann, Fritz, assignor.)
- Ledford, Grover R., San Joaquin, Calif. Shock-absorbing structure for firearms. 1,783,246; Dec. 2.
- Ledgard, Samuel P. (See Taylor, E. Z., and Ledgard.)
- Ledger, Irene E., Lake Geneva, Wis. Portable toilet. 1,764,843; June 17.
- Ledger, Letcher G. (See Ahern, J. L., and Ledger.)
- Ledig, Willy. (See Loebe, W.-W., Ledig, and Asmusen.)
- Lednun, Edmund T., Butte, Mont. Moistening apparatus for mine ventilation. 1,777,277; Sept. 30.
- Ledor Company, The. (See Ober, Leonard, assignor.)
- Ledoux, John W., Swarthmore, assignor, by mesne assignments, to Simplex Valve & Meter Company, Philadelphia, Pa. Fluid meter. 1,757,968; May 13.
- Ledwell, P. B., Minerva, Tex. Reversible clutch. 1,767,933; June 24.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Door for automobile bodies. Re17,623; Mar. 18.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Securing upholstery and the like. 1,743,555; Jan. 14.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Latch mechanism. 1,743,556; Jan. 14.
- Ledwinka, Joseph, assignor to Budd Wheel Company, Philadelphia, Pa. Rolling-mill driving system. 1,749,883; Mar. 11.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Latch mechanism. 1,756,202; Apr. 29.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Windshield construction. 1,767,463; June 24.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sill construction. 1,767,464; June 24.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Sheet-metal construction for vehicle bodies and other similar built-up sheet-metal structures. 1,767,465; June 24.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile door. Des. 81,710; July 29.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Assembly of pressed-metal automobile doors. 1,773,818; Aug. 26.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed-metal vehicle door. 1,774,020; Aug. 26.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Attaching upholstery in automobile bodies. 1,782,239; Nov. 18.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Method and apparatus for filling upholstery. 1,784,456; Dec. 9.
- Lee, Ammie L., Panama City, Fla. Fishing lure. 1,758,160; May 13.
- Lee, Bing W., Rockford, Ill. Radiodial. 1,769,439; July 1.
- Lee, Charles A., Kansas City, Kans. Locking mechanism. 1,748,422; Feb. 26.
- Lee, Charles A., Kansas City, Kans. Engine-operating device. 1,776,331; Sept. 23.
- Lee, Charles F., assignor of one-half to W. P. Griffiths, Philadelphia, Pa. Fabric. 1,786,569; Dec. 30.
- Lee, Charles L. (See Short, C. R., and Lee.)
- Lee, Charles L. (See Williams, H. M., and Lee.)
- Lee, Charles L., assignor to General Motors Research Corporation, Detroit, Mich. Metallic bellows. 1,756,911; Apr. 29.
- Lee, Charles W. (See Burt, Henry C., assignor.)
- Lee, Clifford C., assignor to K. O. Lee & Son Co., Aberdeen, S. Dak. Valve-seat. 1,783,884; Dec. 2.
- Lee, Claude E., Adams County, Colo. Vine-crop shocker. 1,751,243; Mar. 18.
- Lee, Edith S., Dallas, Tex. Drapery hanger. 1,776,631; Sept. 23.
- Lee, Edwin A., Philadelphia, Pa. Packing thin fabrics to prevent wrinkling thereof. 1,746,000; Feb. 4.
- Lee, Edwin A., Philadelphia, Pa. Folding container. 1,780,135; Oct. 28.
- Lee, Edwin A., Philadelphia, Pa. Folding-box cardboard or paper folder. 1,780,136; Oct. 28.
- Lee, Edwin A., Philadelphia, Pa. Folding container. 1,780,137; Oct. 28.
- Lee, Elmer, Livingston, Mont. Animal trap. 1,765,081; June 17.
- Lee Engineering Research Corporation. (See Lee, Royal, assignor.)
- Lee, Frank H., Danbury, Conn. Straw-hat construction. 1,771,980; July 29.
- Lee, Frank N., Dupont, Ga. Convertible auto seat. 1,752,441; Apr. 1.
- Lee, Fred L., Binghamton, and B. H. Phillips, assignors to The Tabulating Machine Company, Endicott, N. Y. Duplicating punching device. 1,772,186; Aug. 5.
- Lee, Frederick E. (See Blaylock, S. G., Fingland, and Lee.)
- Lee, Frederick E. (See Blaylock, S. G., Lee, and McIntyre.)
- Lee, George E., Cleveland Heights, assignor to H. F. Freeman, Lakewood, Ohio. Signaling. 1,754,365; Apr. 15.
- Lee, George H., Omaha, Nebr. Insoluble capsule. 1,778,264; Oct. 14.
- Lee, Grover C., Taft, Calif. Oil burner. 1,767,295; June 24.
- Lee, Hannah H., assignor of one-third to F. R. Markert, St. Paul, Minn. Window ventilator. 1,752,913; Apr. 1.
- Lee, Henry A., Honolulu, Hawaii. Fungicide. 1,760,001; July 8.
- Lee, Henry B., New London, Conn. Erosion-reducing valve. Re17,824; Oct. 14.
- Lee, Horace W., Leicester, England. Lens. 1,779,257; Oct. 21.
- Lee, Ira E. (See Calcott, W. S., and Lee.)
- Lee, James E., assignor to The Challenge Machinery Company, Grand Haven, Mich. Printer's galley. 1,755,262; Apr. 22.
- Lee, James W., Grand Haven, assignor to Challenge Machinery Company, Grand Haven, Mich. Marker. 1,746,312; Feb. 11.
- Lee, John H. (See Nicholson, Victor, assignor.)
- Lee, John V. (See Gahn, Lawrence, assignor.)
- Lee, K. O., & Son Co. (See Lee, Clifford C., assignor.)
- Lee, Leif, Youngstown, Ohio. Heating system. 1,768,086; June 24.
- Lee, Olaf, Minneapolis, Minn. Wrench. 1,776,792; Sept. 30.
- Lee, Ping, Windsor, Ontario, Canada. Toothbrush. 1,746,784; Feb. 11.
- Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,755,481; Apr. 22.
- Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,758,161; May 13.
- Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,759,947; May 27.
- Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,768,616; July 1.
- Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,768,617; July 1.
- Lee, Reginald, Windsor, Victoria, Australia. Postal envelope. 1,765,166; June 17.
- Lee, Reuben G. (See Flagstad, O. A., and Lee.)
- Lee, Roger F. (See McKay, R. F., Willshaw, Gorham, and Lee.)
- Lee, Roger K., Detroit, Mich. Signaling device. 1,749,434; Mar. 4.
- Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,743,612; Jan. 14.
- Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Internal-combustion engine. 1,776,441; Sept. 23.
- Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Variable-speed electric-motor switch. 1,767,146; June 24.
- Lee, Royal B., San Diego, Calif. Perpetual calendar. 1,756,600; Apr. 29.
- Lee Rubber & Tire Corporation. (See Weamer, Paul M., assignor.)
- Lee, Tay H., Evanston, Ill. Vehicle braking apparatus. 1,754,861; Apr. 15.
- Lee, Ulysses G., Chicago, Ill. Water-closet. 1,750,779; Mar. 18.
- Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Regulator. 1,767,180; June 24.
- Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
- Leech, Aubrey B., Los Angeles, Calif. Shadow-motion display means. 1,752,014; Mar. 25.
- Leech, Clifton B. (See Beattie, Ernest J., assignor.)

- Leech, Jacob T., Beaver, Pa., assignor to Union Drawn Steel Company. Working metal rods, bars, and the like. 1,779,478; Oct. 28.
- Leech, Jacob T., Beaver, Pa., assignor to Union Drawn Steel Company. Machine for working metal rods, bars, and the like. 1,779,479; Oct. 28.
- Leech, John, Bridgeport, assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 80,276; Jan. 7.
- Leeder, Francis T., Sioux City, Iowa. Apparatus for and making precast concrete piling. 1,744,702; Jan. 21.
- Leeds & Northrup Company. (See Behr Leo, assignor.)
- Leeds & Northrup Company. (See Bristol, Edward S., assignor.)
- Leeds & Northrup Company. (See Parker, Henry C., assignor.)
- Leeds & Northrup Company. (See Schofield, W. R., jr., and Milner, assignors.)
- Leeds & Northrup Company. (See Stein, Irving M., assignor.)
- Leeds & Northrup Company. (See Taylor, Paul H., assignor.)
- Leeds & Northrup Company. (See Wunsch, Felix, assignor.)
- Leedy Manufacturing Company. (See Strupe, Cecil H., assignor.)
- Leefeld, Rufus F. (See Neely, C. W., and Leefeld.)
- Leefeld, Rufus F., deceased, Los Angeles, Calif.; Security-First National Bank of Los Angeles, executor, assignor to Peabody Engineering Corporation, New York, N. Y. Fuel burner. 1,776,735; Sept. 23.
- Leek, Albert E., Wigan, England. Heat interchanger. 1,767,989; June 24.
- Leek, John W., Sale, England. Baby car or carriage. 1,786,663; Dec. 30.
- Leeper, Frank, San Marino, Calif., assignor to Columbia Mills Incorporated, New York, N. Y. Tilting device for Venetian blinds. 1,772,493; Aug. 12.
- Leeper, William L. (See Witkowski, J. J., and Leeper.)
- Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
- Leese, William. (See Hahn, Roy, assignor.)
- Leeson, Bruce H. (See Scott, E. W. M., and Leeson.)
- Leety, Harry E., and J. A. Eckert, Pittsburgh, and A. W. Page, Penn Township, Allegheny County, assignors to P. Wall Manufacturing Supply Company, Pittsburgh, Pa. Furnace. 1,780,783; Nov. 4.
- Leezenbaum, Isidor. (See Walker, Thomas S., assignor.)
- Lefchick, Charles. (See Horochowsky, Anthony, assignor.)
- Lefebvre, Victor, Fulham, London, England. Manufacture of hose. 1,763,973; June 17.
- Lefebvre, Victor, London, England. Decorated tile and making the same. 1,772,257; Aug. 5.
- Lefebvre, Fernand E., Clichy, assignor to L'Oxydrique Francaise, Malakoff, Seine, France. Apparatus for the production of hydrogen. 1,752,187; Mar. 25.
- Lefebvre, Omer F., Montreal, Quebec, Canada. Stamp-canceling machine. 1,756,647; Apr. 29.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Air gun. 1,766,179; June 24.
- Le Fever, Daniel M., assignor to Pass & Seymour, Incorporated, Syracuse, N. Y. Locking socket. 1,771,049; July 22.
- Le Fever, Daniel M., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Lamp receptacle. 1,774,517; Sept. 2.
- Le Fever, Daniel M., assignor to Pass & Seymour, Incorporated, Syracuse, N. Y. Lamp-socket device. 1,775,468; Sept. 9.
- Le Fevre, Frank B. (See Hoyer, E. C., jr., and Le Fevre.)
- Lefevre, Peter, Detroit, Mich. Air controller for aeroplanes. 1,757,435; May 6.
- Leffel, James, & Company, The. (See Swindler, Harry M., assignor.)
- Leffert, Hulda. (See Haines, Stacey A., assignor.)
- Leffler, Ralph H., Batavia, Ill. Electrostatic reproducer. 1,786,436; Dec. 30.
- Lefkowitz, Joseph, Hartford, Conn. Protective device for collapsible tubes. 1,769,065; July 1.
- Leftwich, James B., Chicago, Ill. Valve-bushing remover. 1,776,194; Sept. 16.
- Legat, Robert C., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Slider for fasteners. 1,773,150; Aug. 19.
- Legat, Robert C., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Separable fastener. 1,785,740; Dec. 23.
- Legendre, René A., Paris, France. Preservation of grain and the like. 1,777,044; Sept. 30.
- Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Method of and apparatus for controlling vibratory systems. 1,746,661; Feb. 11.
- Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Deflecting system. 1,750,275; Mar. 11.
- Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillograph galvanometer. 1,763,242; June 10.
- Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control of electrical instruments. 1,764,410; June 17.
- Legg, Victor E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Loading of signaling conductors. 1,762,996; June 10.
- Legge, Alfred G., Brockton, Mass. Shoe form. 1,775,106; Sept. 9.
- Legge, James. (See Alderson, Herbert J., assignor.)
- Legge, Peter S., Pompton Lakes, N. J. Stoneworking machine. 1,746,662; Feb. 11.
- Legge, Peter S., Pompton Lakes, N. J. Stoneworking machine. 1,751,931; Mar. 25.
- Legge, Peter S., Somerville, Mass. Polishing head. 1,751,930; Mar. 25.
- Le Gorre, Jean L., York, Pa. Knitting machine. 1,782,007; Nov. 18.
- Le Grand, Harry R. (See Reich, G., and Le Grand.)
- Le Grand, Joseph M., Baltimore, Md., assignor to Carrier Engineering Corporation. Tap. 1,781,985; Nov. 18.
- Legrand, Jules, St.-Mande, and P. Guilbert, Rouen, France. Foldable hoisting apparatus for the loading and unloading of rails on railway trucks. 1,744,392; Jan. 21.
- Legrand, Paul. (See Klagsbrunn, Josef, assignor.)
- Leguillon, Charles W., and J. R. Gammeter, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for applying marginal strips to articles. 1,755,926; Apr. 22.
- Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for dividing a mass of deformable material. 1,771,496; July 29.
- Lehberger, George, Union Township, Hudson County, N. J. Flying machine. 1,775,861; Sept. 16.
- Lehman, Arthur J., Cannelton, Ind. Swing or similar article. Des. 80,736; Mar. 18.
- Lehman, Arthur J., Cannelton, Ind. Chair. Des. 80,737; Mar. 18.
- Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,747,447; Feb. 18.
- Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,763,974; June 17.
- Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,769,700; July 1.
- Lehman, Gerard P., Ploesti, Rumania. Well-drilling system. 1,778,501; Oct. 14.
- Lehman, Louis H., et al. (See Winkler, Stephen, assignor.)
- Lehman, Louis H., Philadelphia, Pa. Watershed for doors and making it. 1,754,719; Apr. 15.
- Lehman, Max. (See Nagle, W. G., and Lehman.)
- Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,762,824; June 10.
- Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,762,825; June 10.
- Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Stock-trimming device. 1,762,826; June 10.
- Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Automatic tube-dusting device. 1,786,437; Dec. 30.
- Lehman, Werner. (See Bager, W. M., and Lehman.)
- Lehman, Werner, South Milwaukee, Wis., C. N. Ballentine, Birmingham, Ala., and J. W. Dahlgren, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Bank grader. 1,748,931; Feb. 25.
- Lehmann, Anton, Flawil, Switzerland. Packing cotton wool for dressing purposes. 1,760,419; May 27.
- Lehmann, Eduard E. E., Eilenburg, Germany. Sensitized element, process of making same, and process for producing photographic images thereon. 1,753,708; Apr. 8.
- Lehmann, Ernest P., Brandenburg-on-the-Havel, Germany. Preventing strings from slipping off pulleys in toys and the like. 1,771,442; July 29.
- Lehmann, Ernst P., Brandenburg-on-the-Havel, Germany. Connecting tubular members. 1,785,129; Dec. 16.
- Lehmann, Ernst P., and K. Rupp, Brandenburg-on-the-Havel, Germany, assignors to said Lehmann. Toy. 1,781,333; Nov. 11.
- Lehmann, Franz B. (See Weimer, Kurt, assignor.)
- Lehmann, Gotthilf, Bronx, N. Y. Electrically-illuminated Santa Claus. Des. 81,393; June 17.
- Lehmann Machine Company. (See Carter, Lionel A., assignor.)
- Lehmbeck, Frederick, New Providence, N. J. Band-saw holder. 1,784,696; Dec. 9.
- Lehmer, Herman K., Rockford, Ill. Road-shoulder-finishing machine. 1,764,270; June 17.
- Lehnhoff, Richard A., and G. R. Treptow, assignors to Camel Company, Chicago, Ill. Hasp construction. 1,768,205; June 24.
- Lehon Company, The. (See Leonard, Edward A., assignor.)
- Lehon Company, The. (See McDavitt, Charles J., assignor.)
- Lehon Company, The. (See Moone, Albert E. F., assignor.)
- Lehon Company, The. (See Paup, Roy F., assignor.)
- Lehon Company, The. (See Strlewig, Harry N., assignor.)
- Lehrecke, Hans, Frankfurt-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Evolution of hydrocyanic acid. 1,780,196; Nov. 4.
- Lehrecke, Hans, Frankfurt-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Causing the simultaneous evolution of hydrocyanic acid and an irritant gas. 1,780,197; Nov. 4.

- Lehrecke, Hans, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Stabilization of hydrocyanic acid. 1,780,198; Nov. 4.
- Lehrecke, Hans, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Warning means for poison gases. 1,786,623; Dec. 30.
- Lehrman, Jacob I., assignor of one-half to T. J. Blake, Philadelphia, Pa. Vending machine of refrigeration type. 1,771,933; July 29.
- Lehto, Vaino E., Evansville, Ind. Rasp or file. 1,785,836; Dec. 23.
- Leib, August, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for wireless telegraphy and telephony. 1,754,326; Apr. 15.
- Leib, August, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Vacuum-tube cathode-supply circuit. 1,757,318; May 6.
- Leibe, Frank A., Dunellen, N. J., assignor to American Telephone and Telegraph Company. Reduction of atmospheric disturbance. 1,752,347; Apr. 1.
- Leibe, Hugo, Baltimore, Md. Cork-filled fabric and making same. 1,752,914; Apr. 1.
- Leibing, William E., assignor, by mesne assignments, to Lyons-Magnus Inc., San Francisco, Calif. Beverage dispenser. Des. 81,753; Aug. 5.
- Leichner, Leroy G., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Intermediate table for double shears. 1,776,861; Sept. 30.
- Leicht, Fred., assignor to The Globe Company, Sheboygan, Wis. Steering mechanism for coaster wagons. 1,784,017; Dec. 9.
- Leicht, John, jr., Burlington, Iowa. Bag holder. Re17,848; Oct. 28.
- Leichtman, Alex. (See Somergary, J. J., and Leichtman.)
- Leidecker, Frank W., Tulsa, Okla. Check valve. 1,779,322; Oct. 21.
- Leigh Potters, Inc. (See Sebring, Charles L., assignor.)
- Leighton, Eugene R., assignor to J. E. Leighton, North Andover, Mass. Bottle capper. 1,786,760; Dec. 30.
- Leighton, Jennie E. (See Leighton, Eugene R., assignor.)
- Leiman, Henry, Tampa, Fla. Wooden cigar box. 1,752,601; Apr. 1.
- Leindorf, Emil, and N. P. Norman, New York, N. Y. Sliding and swinging window and sashes. 1,763,896; June 17.
- Leindorf, Emil, and N. P. Norman, New York, N. Y. Sliding and swinging window and sashes. 1,763,897; June 17.
- Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Lighting device. 1,747,015; Feb. 11.
- Leins, Oscar J., assignor to Claus Manufacturing Co., Milwaukee, Wis. Valve structure. 1,784,636; Dec. 9.
- Leipert, August H. (See Masury, A. F., and Liepert.)
- Leipert, August H., College Point, assignor to International Motor Company, New York, N. Y. Expanded valve seat. 1,754,720; Apr. 15.
- Leipert, August H., College Point, assignor to International Motor Company, New York, N. Y. Valve seat. 1,774,021; Aug. 26.
- Leipert, August H., College Point, assignor to International Motor Company, New York, N. Y. Cushion connection for vehicle construction. 1,783,801; Dec. 2.
- Leipert, August H., assignor to International Motor Company, New York, N. Y. Cushion connection for vehicle construction. 1,770,209; July 8.
- Leis, Carl H., assignor to Johnson Bronze Company, New Castle, Pa. Machine for babbitting sleeve bearings. 1,784,146; Dec. 9.
- Leisenring, Arthur C. (See Langman, Arthur H., assignor.)
- Leiser, Friedrich, Berlin-Charlottenburg, Germany. Rotary stop device for screening off secondary X-rays. 1,780,085; Oct. 28.
- Leisse, Matthias, Duisburg-Melderich, Germany. Container. 1,751,341; Mar. 18.
- Leisten, Nicholas, Detroit, Mich. Finger ring. Des. 80,277; Jan. 7.
- Leitch, Archibald L., Marine City, Mich. Shell for water-heating coils. 1,746,085; Feb. 4.
- Leiter, Winifred De P. (See Foulke, Roy D., assignor.)
- Leitner, Henry, London, England. Electric accumulator. 1,750,230; Mar. 11.
- Leitz, Ernst, Optische Werke. (See Berek, Max, assignor.)
- Leitzenberger, Louis, Irvington, N. J. Clothes drier. 1,751,280; Mar. 18.
- Leiva, Gaspar, Buenos Aires, Argentina. Locking device for motor cars and the like. 1,746,432; Feb. 11.
- Le Jeune, Frank H. (See Jacobi, E. R., and Le Jeune.)
- Leland Electric Company, The. (See Leland, George H., assignor.)
- Leland, Frank R., and E. C. Charles, assignors to Laminated Materials Company, Ltd., New Westminster, British Columbia, Canada. Sounding board. 1,747,307; Feb. 18.
- Leland, George H., Dayton, Ohio, assignor of one-half to The Leland Electric Company. Brush-lifting mechanism for electric motors and the like. 1,756,692; Apr. 29.
- Leland-Gifford Company. (See Bishop, B. S. T., and Jacobson, assignors.)
- Leland-Gifford Company. (See Gifford, A. J., and Bishop, assignors.)
- Leland-Gifford Company. (See Hirvonen, Eric J., assignor.)
- Leland, John A., assignor to Millers Falls Company, Millers Falls, Mass. Tool and article holder. 1,758,261; May 13.
- Leland, Ragnvald G., Billings, Mont. Hair-waving appliance and method. 1,779,280; Oct. 21.
- Lelean, William A., Eltham, London, and D. C. Brown, Kenton, England. Nut-locking device. 1,787,114; Dec. 30.
- Leliep, Otto, Berlin, Germany. Process of and apparatus for burning cement in rotary kilns. 1,775,313; Sept. 9.
- Lelong, Arthur D., Verona, N. J. Pad support. 1,757,532; May 6.
- Lelong, Lucien, Inc. (See Wakefield, Frank E., assignor.)
- Lely, Dirk, jr. (See DeJong, H., Lely, and Shepherd.)
- Lemaigre, Pierre, St.-Denis, France, assignor, by mesne assignments, to Guardian Trust Company of Detroit, Detroit, Mich. Bracket for vehicle springs. 1,747,780; Feb. 18.
- Lemaigre, Pierre, St.-Denis, France, assignor, by mesne assignments, to Guardian Trust Company of Detroit, Detroit, Mich. Spring suspension for motor vehicles. 1,747,781; Feb. 18.
- Le Mare, Ernest B., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Cooling and annealing of glass in strip form and apparatus therefor. 1,744,478; Jan. 21.
- Le May, Clarence C. (See Bull, Clinton H., assignor.)
- Lemay, Omer V., Powers, Mich. Removable switch plug. 1,767,250; June 24.
- Lembke, William, Amsterdam, N. Y., assignor, by mesne assignments, to Bigelow-Sanford Carpet Co., Inc. Pile rug and making the same. 1,775,533; Sept. 9.
- Lemcke, Charles F., assignor of one-half to J. A. Johnson, Milwaukee, Wis. Strap buckle. 1,770,704; July 15.
- Le Mere, Frank J. (See Sardeson, R., and La Mere.)
- Lemere, Lou S., and W. M. Long, Seattle, Wash. Fish lure. 1,777,004; Sept. 30.
- Lemex, John D., Tulsa, Okla., assignor to Oil Well Supply Company, Pittsburgh, Pa. Float coupling. 1,745,304; Jan. 28.
- Lemex, John D., Tulsa, Okla., assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Back-pressure joint. 1,785,271; Dec. 16.
- Lemex, John D., Tulsa, and D. R. Smith, Ardmore, Okla., assignors, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Sand cap. 1,735,272; Dec. 16.
- Lemieux, Archibald R., Worcester, Mass. Screw driver. 1,758,162; May 13.
- Lemieux, Joseph A., Washington, D. C. Aeroplane. 1,766,914; June 24.
- Le Mire, Warren C., Ancon, Canal Zone, Panama. Overhead rabbit carrier for dog-racing tracks. 1,785,837; Dec. 23.
- Lemm, Bonnie E. (See Schnell, W., and Lemm.)
- Lemm, Bonnie E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window-regulator handle or the like for an automotive vehicle. Des. 81,542; July 8.
- Lemmerman, Edward D., Cleveland, Ohio. Sectional casing. 1,755,608; Apr. 22.
- Lemming, John C. (See Valentine, A. H., and Lemming.)
- Lemmons, Samuel C., Cedar Hill, Tenn., assignor of one-half to J. L. Sparks, Russellville, Ky. Harrow tooth. 1,765,082; June 17.
- Lemmons, Samuel C., Cedar Hill, Tenn., assignor of one-half to J. L. Sparks, Russellville, Ky. Harrow tooth. 1,773,537; Aug. 19.
- Lemoine, Emil C., Saratoga, Wyo. Lamb castrator. 1,775,906; Sept. 16.
- Lemoine, Emile F., assignor to G. W. J. Murphy Company, Amesbury, Mass. Separable fastener. 1,775,042; Sept. 2.
- Lemoine, Renée M.-L., née Trouillet, La Buissonniere, via Perriers-sur-Andelle, France. Apparatus for the spraying of liquids. 1,742,604; Jan. 7.
- Lemoine, Renée, M.-L., née Trouillet, La Buissonniere, via Perriers-sur-Andelle, France. Perfume sprayer. 1,742,605; Jan. 7.
- Lemon, George E., Brooklyn, N. Y. Steering gear. 1,763,470; June 10.
- Lemon, Oren O. (See Frantz, V. L., and Lemon.)
- Lemon, Walter D. (See Hanna, A. N., and Lemon, assignors.)
- Lemon, Warren F., et al. (See Gambito, N., and Sumabat, assignors.)
- Lemon, William F. (See Hanna, A. N., and Lemon.)
- Lemons, George G., Long Beach, Calif. Mechanical movement. 1,784,842; Dec. 16.
- Lemons, Robert C., and W. A. Irons, Clifton Forge, Va. Weather shield for freight cars. 1,768,206; June 24.
- Le Moon, Axel R., Chicago, Ill. Lawn-sprinkler nozzle. 1,758,119; May 13.
- Le Moon, Axel R., assignor to Nelson-Le Moon Truck Company, Chicago, Ill. Motor-truck-drive mechanism. 1,761,135; June 3.
- Lemos, John T. (See Cook, Lawrence H., assignor.)
- Lemos, Manuel, Caldwell, N. J. Automatic slicing machine. 1,755,883; Apr. 22.
- Lemont, Clarence J., South Milwaukee, assignor, by mesne assignments, to Line Material Company, Milwaukee, Wis. Apparatus for handling articles subjected to a galvanic action. 1,744,273; Jan. 21.

- Lemont, Clarence J., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Lighting fixture. 1,751,483; Mar. 25.
- Le Montree, Jacob H., assignor to The Le Montree Manufacturing Company, Cincinnati, Ohio. Garment bag. 1,767,466; June 24.
- Le Montree Manufacturing Company, The. (See Le Montree, Jacob H., assignor.)
- Lempek, Ben, New York, N. Y. Kitchen utensil. 1,768,914; July 1.
- Lempges, Theodore G., assignor of one-half to H. P. Lally, Dunkirk, N. Y. Piston wrist pin. 1,778,902; Oct. 21.
- Lenahan, Daniel W., New York, N. Y. Heating unit. 1,770,527; July 15.
- Lenander, Nils E., Trondhjem, assignor to Orkla Grube-Aktiebolag, Lokken Verk, near Trondhjem, Norway. Separation of cobalt and iron from solutions rich in iron as obtained by lixiviating roasted pyrites. 1,783,046; Nov. 25.
- Lenckerstorf, Heinrich. (See Clasen, F., and Lenckerstorf.)
- Lenderink, Andrew, Kalamazoo, Mich. Filter bed. 1,780,791; Nov. 4.
- Lenders, Mathias, Aachen, Germany. Fabric-stretching machine. 1,773,232; Aug. 19.
- Lendner, Karl T., Hamburg, Germany. Rope guide for insuring the unfolding of parachutes. 1,771,261; July 22.
- Lené, Elmer, Lexington, Nebr. Sanitary iceless shipping container. 1,767,685; June 24.
- L'Enfant, Charles, New York, N. Y. Bill and card case. 1,765,730; June 24.
- Lengel-Fencil Co., The. (See Lengel, William L., assignor.)
- Lengel, William L., assignor to The Lengel-Fencil Co., Reading, Pa. Split-foot stocking. 1,759,754; May 20.
- Lenhart, Alfred A. and R. F., Minneapolis, Minn. Slack-compensating hitch for harrows. 1,744,126; Jan. 21.
- Lenhart, Roy F. (See Lenhart, Alfred A. and R. F.)
- Lenheck, Herbert J. (See Laurent, Louis C., assignor.)
- Lenning, Alvar, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,757,254; May 6.
- Lenning, Alvar, Jackson Heights, assignor to Electrolux Servel Corporation, New York, N. Y. Evaporator. 1,779,135; Oct. 21.
- Lenning, Alvar, New York, and D. B. Knight, Brooklyn, assignors to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,757,578; May 6.
- Lenning, Alvar, Jackson Heights, New York, and R. S. Taylor, assignors to Electrolux Servel Corporation, New York, N. Y. Valve. 1,761,573; June 3.
- Lennon, Benjamin, New York, N. Y. Removable container label. 1,769,147; July 1.
- Lennox, Eva M., Hartford, Conn. Insect catcher. 1,759,359; May 20.
- Lennox, Thomas C., Pittsfield, Mass., assignor to General Electric Company. Electric system. 1,783,804; Dec. 2.
- Leno Elastic Web Company. (See Coldwell, John S., assignor.)
- Le Noir, William S., D. J. Smith, and I. Engler, Sacramento, Calif. Combined folding screen and railroad playboard. 1,776,262; Sept. 23.
- Lenox, Inc. (See Holmes, Frank G., assignor.)
- Lensch, Rudolph and P. Leder, Los Angeles, Calif. Metal-spraying device. 1,776,632; Sept. 23.
- Lenston, Charles S., assignor to Hobbs Manufacturing Company, Worcester, Mass. Scoring wheel. 1,750,718; Mar. 18.
- Lenston, Charles S., assignor to Hobbs Manufacturing Company, Worcester, Mass. Expanding shaft for winding paper and the like. 1,763,794; June 17.
- Lenté, Jacques, assignor to Societe Anonyme d'Escaut & Meuse, Paris, France. Joint for pipes and tubes. 1,777,977; Oct. 7.
- Lenthall, Charles B., Southport, England. Diaphragm for acoustic instruments or apparatus. 1,757,091; May 6.
- Lentheric, Incorporated. (See de Wagner, Maggy B., assignor.)
- Lentheric, Incorporated. (See Gage, C. S., and Maeding, assignors.)
- Lenton, Albert, Leeds, assignor to Samuel Denison & Son Limited, Hunslet Foundry, Leeds, England. Automatic weighing and weight-totalizing apparatus. 1,744,232; Jan. 21.
- Lentulo, Henri, Paris, France. Plugging tool. 1,771,182; July 22.
- Lentz, Arthur, Dusseldorf, Germany. Combined sorting and feeding machine. 1,774,798; Sept. 2.
- Lentz, Harry R., Philadelphia, Pa. Mortar box. 1,776,915; Sept. 30.
- Lentz, Herman M., Renville, Minn. Violin. 1,754,686; Apr. 15.
- Lentz, Rea D., Los Angeles, Calif. Automatically-operating mechanism for elevating liquids. 1,749,144; Mar. 4.
- Lentz, William L., Takubake, N. W., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Defecting pilot structure. 1,753,794; Apr. 8.
- Lenz, Johann. (See Schrelle, A., and Lenz.)
- Lenz, Wilhelm, Biebrich-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing dihydroxyacetone. 1,755,656; Apr. 22.
- Lenze, Walter G., Westwood, N. J. Blade holder. 1,745,103; Jan. 28.
- Leon, Hermon and J. W., Atlantic City, N. J. Self-lighting cigarette. 1,763,531; June 10.
- Leon, Jack W. (See Leon, Hermon and J. W.)
- Leon, Karl O., London, England. Antifriction bearing. 1,766,440; June 24.
- Leon, Lewicki J., Chicago, Ill., assignor, by mesne assignments, to The Andrew B. Hendryx Company. Bird cage. 1,758,525; May 13.
- Leonard, Carl A., Bristol, Tenn. Paper-bag holder. 1,754,327; Apr. 15.
- Leonard, Edward A., Chicago, Ill., assignor to The Lehon Company. Apparatus for handling packages and the like. 1,744,650; Jan. 21.
- Leonard, Edward F., et al. (See Frey, Elmer E., assignor.)
- Leonard, Frederick C., assignor to Leonard-Rooke Co., Providence, R. I. Producing a composite metal. 1,764,271; June 17.
- Leonard, Harry A., assignor to Draper Corporation, Hopedale, Mass. Builder mechanism for spinning or winding machines. 1,761,574; June 3.
- Leonard, Harry M., Rantoul, Ill. Convertible embalming table. 1,746,950; Feb. 11.
- Leonard, Herman H., assignor to Davis & Furber Machine Company, North Andover, Mass. Spinning machine. 1,746,433; Feb. 11.
- Leonard, Howard M. (See Moomaw, Dalton, assignor.)
- Leonard, Howard M., South Bend, Ind., assignor to Germandt Motor Corporation, Chicago, Ill. Engine. 1,751,281; Mar. 18.
- Leonard, John G., Maywood, Ill. Friction metal article. 1,745,173; Jan. 28.
- Leonard, John P., Hawley, Pa. Thread protector. 1,751,210; Mar. 18.
- Leonard, Joseph E., Berkeley, Calif., assignor to Hammer-Bray Company, Oakland, Calif. Stove. Des. 82,038; Sept. 16.
- Leonard, Joseph E., Berkeley, Calif. Gas heater. Des. 82,946; Dec. 30.
- Leonard, Laurence, Los Angeles, Calif. Roller bearing. 1,742,512; Jan. 7.
- Leonard, Laurence, Los Angeles, Calif. Roller bearing. 1,742,513; Jan. 7.
- Leonard Machinery Company. (See Frey, Elmer E.)
- Leonard-Rooke Co. (See Leonard, Frederick C., assignor.)
- Leonard, Veader, Baltimore, Md., assignor to Sharp & Dohme, Inc., Baltimore, Md. Antiseptic composition. 1,771,895; July 29.
- Leone, Benl. (See Goodman, P., and Leone.)
- Leone, Gioacchino, Pittsburgh, Pa. Belt dressing. 1,751,342; Mar. 18.
- Leonhard, Frederick W., Buffalo, N. Y. Apparatus for lifting automobiles and the like. 1,774,605; Sept. 2.
- Leonhard, William C. (See Hough, A., Dufford, and Leonhard.)
- Leonori, Ovidio, Narni, Italy. Producing anhydrous alcohol. 1,751,211; Mar. 18.
- Leopold, Frederick B. (See De Markus, L., and Leopold.)
- Leopold, George O. (See Fegley, T. J., and Leopold.)
- Leopold, Joseph, New York, N. Y. Valve and regulating movement for engines. 1,757,841; May 6.
- Leopold, Joseph, New York, N. Y. Safety aeroplane. 1,757,842; May 6.
- Leopold, Joseph, New York, N. Y. Safety aeroplane. 1,781,182; Nov. 11.
- Leopold, Otto, Cincinnati, Ohio. Food product and making same. 1,767,083; June 24.
- Leopold, Samuel N. (See McClelland, R., Powell, and Leopold.)
- Leoty, Lawrence C., Dayton, Ohio. Carbon-feeding device for arc lamps and the like. 1,748,073; Feb. 25.
- Leoty, Lawrence C., Dayton, Ohio. Arc lamp. 1,753,242; Apr. 8.
- Lep, Anton, et al. (See Drahonovsky, John B., assignor.)
- Le Page, Albert L., Oakville, Conn. Line clamp. 1,759,485; May 20.
- Lepage, Lucien, Orleans, France. Floor polishing and waxing device. 1,769,796; July 1.
- Le Pere, John G., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Corn popper. 1,749,916; Mar. 11.
- Lepetch, Louis, New York, N. Y. Swimming glove. 1,746,268; Feb. 11.
- Le Petit, Charles J. M. M., Paris, France, assignor to Röhm and Haas Company, Philadelphia, Pa. Dehairing hides and skins and preparing them for tanning. 1,767,536; June 24.
- Le Petit, Charles J. M. M., Paris, France, assignor, by mesne assignments, to Röhm and Haas Company, Philadelphia, Pa. Unhairing and preparing hides for tanning. 1,772,258; Aug. 5.
- Le Petit, Charles J. M. M., Anneville Sur Mer, France, assignor, by mesne assignments, to Röhm & Haas Company, Philadelphia, Pa. Preparing enzymic products. 1,779,243; Oct. 21.
- Lepper, Charles F. (See Tait, R. W., and Lepper.)
- Leppert, Henry E., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed switch. 1,783,731; Dec. 2.
- Leppa, George C., assignor to Johnson Fare Box Company, Chicago, Ill. Volume recorder and register. 1,770,079; July 8.
- Leprestre, Rene, New York, N. Y. Steaming iron. 1,749,639; Mar. 4.
- Le Quornik, Herman. (See Salvati, D., and Le Quornik.)
- Lorch, William B., assignor of one-half to J. S. Dewar, Bartlesville, Okla. Process and product for treating emulsions of mineral oils. 1,747,119; Feb. 11.

- Lerner, Harry, Brooklyn, N. Y. Cover holder. 1,745,548; Feb. 4.
- Lerner, Jacob, Chicago, Ill. Gas-line valve. 1,750,012; Mar. 11.
- Leroux, Aza, New York, N. Y. Pickpocketproof button. 1,783,846; Dec. 2.
- Le Roy, Ammon A., Springville, Utah. Back-motion stop. 1,772,869; Aug. 12.
- Leroy, Jules, La Garenne-Colombes, France. Stuffing box. 1,747,253; Feb. 18.
- Lesage, Alfred, Brand-Erbisdorf, assignor to Elite-Diamantwerke Aktiengesellschaft, Brand-Erbisdorf, Saxonia, Germany. Piston for internal-combustion engines. 1,780,829; Nov. 4.
- Lesavoy, Isadore L., New York, N. Y. Playing cards. 1,743,613; Jan. 14.
- Leschen, William F., St. Louis, Mo. Pump for elevating liquid. 1,761,081; June 3.
- Les Etablissements Edouard Belin. (See Holweck, Fernand, assignor.)
- Les Frères Bréguet. (See Siegfried, Charles, assignor.)
- Lesko, Paul, Jessup, Pa. Miner's drill. 1,757,725; May 6.
- Leslie, Bernard S., Beverly, Mass., assignor to Krippendorf Calculator Company, Portland, Me. Area-estimating device for sheet material. 1,780,237; Nov. 4.
- Leslie Company. (See Soderberg, Sten E. B., assignor.)
- Leslie, Eugene H., and E. M. Baker, Ann Arbor, Mich. Process of and apparatus for steam distillation. 1,780,977; Nov. 11.
- Leslie, Howard C., Milton, assignor to B R E Manufacturing Co., Hyde Park, Mass. Hinge connection for water-closet seats and covers. 1,759,990; May 27.
- Leslie, Howard C., Milton, assignor to B. R. E. Manufacturing Co., Hyde Park, Mass. Water-closet seat and the like. 1,766,659; June 24.
- Leslie, John W., Evanston, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company. Strapping joint. 1,783,192; Dec. 2.
- Leslie, John W., Evanston, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company. Strapping joint. 1,783,247; Dec. 2.
- Les Petits Fils de Francois de Wendel & Cie. (See Laley, Jehan, assignor.)
- Lesperance, Dennis E., Oakland, Calif. Handle lock for vacuum sweepers. 1,786,210; Dec. 23.
- Lesourd, Georges. (See Alkan, R., and Lesourd.)
- Less, Frank W. (See Dent, H. M., and Less.)
- Lesser, Murray, Brooklyn, N. Y. Display box. Des. 82,568; Nov. 18.
- Lessing, Rudolf, London, England. Treatment of carbonaceous materials. 1,780,830; Nov. 4.
- Lessing, Samuel J., St. Joseph, Mich. Vehicle spring. 1,776,442; Sept. 23.
- Lessor, George R., assignor of one-half to J. T. Erwin, Crossett, Ark. Routing and grooving machine. 1,744,651; Jan. 21.
- Lester, George, Milwaukee, Wis. Golfer's practice target. 1,784,363; Dec. 9.
- Lester, Nathan, Worcester, Mass. Pneumatic casting pump. 1,744,975; Jan. 28.
- Lester & Wasley Company, The. (See Jouret, Oscar A., assignor.)
- Lester, William H., assignor to Illinois Watch Case Company, Elgin, Ill. Adjustable bracelet. 1,748,609; Feb. 25.
- Lestl, Arnold, Los Angeles, Calif. Radio station indicator. 1,774,146; Aug. 26.
- Leszay, Otto S., et al. (See Eggers, Heinrich, assignor.)
- Leszczewicz, Frank, Chicago, Ill. Furnace device for enhancing combustion of fuel. 1,755,697; Apr. 22.
- Leszczyk, Frank R., New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company. Heat exchanger. 1,743,785; Jan. 14.
- Letchford, Percy H., Winnipeg, Manitoba, Canada. Heel for boots or shoes. 1,766,027; Jan. 24.
- Letchford, Percy H., Winnipeg, Manitoba, Canada. Antiskid device. 1,766,522; June 24.
- Lethiecq, Amédée, Neville, Saskatchewan, Canada. Grain stooker. 1,764,272; June 17.
- Leticq, Arthur. (See Casavant, S., Hevey, and Leticq.)
- Le Tournau, Robert G., Stockton, Calif. Fluid-control valve. 1,760,308; May 27.
- Le Treillage Ceramique Francais. (See Hein, Bernhard, assignor.)
- Letreux, Albert, Constantine, Algeria. Apparatus for automatically counting the volumes of granulous materials passing through the same. 1,752,602; Apr. 1.
- Letrillart, Pierre, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Société Anonyme, Paris, France. Compensated asynchronous electric motor. 1,751,484; Mar. 25.
- Lettman, Louis, Jr., Paterson, N. J. Shuttle-box motion for looms. 1,757,319; May 6.
- Letts, Charles R., Johnson City, N. Y. Folding support. 1,756,792; Apr. 29.
- Leu, Edward E., Chicago, Ill. Display board. 1,759,486; May 20.
- Leube, Erwin. (See Hildebrandt, G., Leube, and Biehler.)
- Leubuscher, Frederic C., et al., executors. (See Ingersoll, Robert H.)
- Leuchs, Karl, Berlin-Zehlendorf, Germany. Treating artificial silk made from viscose. 1,770,412; July 15.
- Leuchs, Otto. (See Hubert, E., Lock, and Leuchs.)
- Leuchs, Otto, Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Etherification of carbohydrates. 1,746,663; Feb. 11.
- Leuchs, Otto, Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Caustic-soda solution of cellulose. 1,755,657; Apr. 22.
- Leuchs, Otto, Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Conversion of difficultly soluble or insoluble carbohydrate ethers into a soluble state. 1,767,382; June 24.
- Leucht, Mella, Terra Haute, Ind., assignor to Edward Katzinger Company, Chicago, Ill. Cake pan. 1,758,288; May 13.
- Leuchter, Richard L., Weidlingau-Hadersdorf, assignor to Gebrüder Hardy Maschinenfabrik und Glesserei A. G., Vienna, Austria. Release valve for single-chamber air-pressure brakes. 1,755,962; Apr. 22.
- Leuck, Gerald J., Evanston, assignor to The Quaker Oats Company, Chicago, Ill. Manufacture of dithio derivatives from aldehydes. 1,756,158; Apr. 29.
- Leufstadius, Carl H., Lysekil, Sweden. Forced-feed lubricator. 1,773,312; Aug. 19.
- Leunis, William G., New York, assignor of one-half to J. C. Zuleger, Great Kills, N. Y. Lamp shade. 1,744,049; Jan. 21.
- Leupold, Henry G., Cambridge, assignor to Electrical Laboratories, Inc., Boston, Mass. Thermostatic apparatus. 1,780,758; Nov. 4.
- Leupold, Mathias, Jamaica, N. Y. Resilient tire. 1,783,091; Nov. 25.
- Leustig, Benno B., Cleveland, Ohio. Spring cover. 1,760,651; May 27.
- Leuthesser, Fred W., Oak Park, Ill. Air valve. Des. 81,543; July 8.
- Leuthner, Frank J., Sharpsville, Pa. Molding apparatus. 1,783,805; Dec. 2.
- Leutwyler, Adolf, Oberwil, near Zug, Switzerland. Device for introducing pistons fitted with piston rings into cylinders. 1,745,374; Feb. 4.
- Leuzinger, Fred E., Detroit, Mich. Wall construction. 1,771,796; July 29.
- Leuzinger, Jakob, assignor to A. Welti-Furrer A.-G., Zurich, Switzerland. Four-wheel hydraulic brake for trailers. 1,774,022; Aug. 26.
- Levan, John F. (See Holt, T. W., and Levan.)
- Levan, John F., assignor to Excel Curtain Company, Elkhart, Ind. Curtain batten. 1,765,595; June 24.
- Levan, John F., Elkhart, Ind., assignor to The Adams & Westlake Company, Chicago, Ill. Sash latch. 1,784,147; Dec. 9.
- Levedahl, Axel, Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Screw or nut driving device for power-operated tools. 1,744,976; Jan. 28.
- Levedahl, Axel, Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Screw or nut driving device for portable power-driven rotary tools. 1,757,125; May 6.
- Levedahl, Axel, and R. A. Norling, Aurora, assignors to Independent Pneumatic Tool Company, Chicago, Ill. Crankcase-venting means for pneumatic tools. Re17,583; Feb. 4.
- Levedahl, Axel, and R. A. Norling, Aurora, assignors to Independent Pneumatic Tool Company, Chicago, Ill. Crankcase-venting means for pneumatic tools. 1,750,013; Mar. 11.
- Leven, Albert H., Newark, N. J., assignor to De Luxe Metal Furniture Company. Bracket for cabinets. 1,753,012; Apr. 1.
- Leventhal, Mitchell, Brooklyn, assignor to Sossy, Inc., New York, N. Y. Lock frame. Des. 80,627; Mar. 4.
- Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thread-tensioning device. 1,778,081; Oct. 14.
- Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Bobbin-winding machine. 1,780,304; Nov. 4.
- Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Horn for shoe-sewing machines. 1,786,624; Dec. 30.
- Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Feed mechanism for sewing machines. 1,787,157; Dec. 30.
- Le Veque, Leslie, et al. (See Bechtold, Troy W., assignor.)
- Leverich, Lester B., Red Barn, Tex. Swivel sucker-rod joint. 1,765,279; June 17.
- Leverson, Irving B., Hawley, Minn. Score card. 1,768,087; June 24.
- Le Vesconte, Harold J. (See Christensen, N. V., and Le Vesconte.)
- Le Vesconte, Harold J., assignor to Union Special Machine Company, Chicago, Ill. End cap for the work arm of sewing machines. 1,744,774; Jan. 28.
- Le Vesconte, Harold J., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. 1,767,990; June 24.
- Le Vesconte, Harold J., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. 1,767,991; June 24.
- Levey, Alvin M., Pine Bluff, Ark. Theft appliance. 1,778,502; Oct. 14.
- Levey, Herman, Brooklyn, N. Y. Shirt-display card. 1,749,771; Mar. 11.
- Levey, Morris. (See Flescher, Louis, assignor.)
- Levi, Arturo, Long Island City, N. Y., Cigarette lighter. Des. 82,096; Sept. 23.

- Levi, Bruno D., New York, N. Y. Pencil and sharpener. 1,755,509; Apr. 22.
- Levi, Louis, Winthrop, Mass. Window screen. 1,783,732; Dec. 2.
- Levi, Max, Baltimore, Md. Handle for baggage or luggage. 1,742,867; Jan. 7.
- Levin, Borris M., San Francisco, Calif. Gentleman's cravat, four-in-hand type. 1,756,295; Apr. 29.
- Levin, Harold L., Passaic, N. J., assignor to The Flintkote Company, Boston, Mass. Fibrous covering and method of making same. 1,774,204; Aug. 26.
- Levin, Harold L., Passaic, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and mechanism for coating roofing elements. 1,781,877; Nov. 18.
- Levin, Harold L., Nutley, (N. J.), assignor to The Flintkote Company, Boston, Mass. Felted fibrous products and method of manufacture. 1,782,855; Nov. 25.
- Levin, Harold L., Worcester, assignor to The Flintkote Company, Boston, Mass. Waterproof fibrous product. 1,785,357; Dec. 16.
- Levin, Harris, Freeport, assignor to The Lion Safety Pin Clutch Co., Inc., New York, N. Y. Finger-ring guard. 1,754,392; Apr. 15.
- Levin, Isaac H., assignor, by mesne assignments, to Gas Industries Company, Pittsburgh, Pa. Method of and apparatus for air liquefaction. 1,775,434; Sept. 9.
- Levin, Isaac H., assignor, by mesne assignments, to Gas Industries Company, Pittsburgh, Pa. Method and apparatus for treating fluids with solids. 1,785,273; Dec. 16.
- Levin, Max. (See Lewis, Israel, assignor.)
- Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mining machine. Re17,603; Feb. 25.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining machine. Re17,855; Nov. 4.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Loading machine. 1,754,276; Apr. 15.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Contact brush and holder therefor. 1,757,203; May 6.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Loading machine. 1,769,797; July 1.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Conveyer. 1,770,650; July 15.
- Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mining coal. 1,770,934; July 22.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Haulage system for mines. 1,772,548; Aug. 12.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Haulage system for mines. 1,773,087; Aug. 12.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine truck. 1,774,203; Aug. 26.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coupling device for sprocket chains. 1,775,680; Sept. 16.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-mining machine. 1,778,295; Oct. 14.
- Levin, Nils D., assignor the The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-mining machine. 1,778,296; Oct. 14.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-mining apparatus. 1,778,297; Oct. 14.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-mining machine. 1,778,298; Oct. 14.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Electric switch. 1,779,043; Oct. 21.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Cutter bit and carrier therefor. 1,782,172; Nov. 18.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-loading machine. 1,785,201; Dec. 16.
- Levine, Abraham, Elizabeth, N. J., assignor to Presto Lock Corporation, New York, N. Y. Garment-supporting device. 1,776,003; Sept. 16.
- Levine, Abraham, Elizabeth, N. J., assignor to Presto Lock Corporation, New York, N. Y. Toggle brace for hinged members. 1,779,281; Oct. 21.
- Levine, Louis. (See Solomon, S., and Levine.)
- Levine, Morris, assignor of one-third to D. A. Weill and one-third to M. Wachtel, New York, N. Y. Railroad tie. 1,743,824; Jan. 14.
- Levine, Samuel, Brooklyn, N. Y. Cigarette lighter or similar article. Des. 80,421; Jan. 28.
- Levings, Sherburne D., Winnetka, assignor of one-third to R. N. Chamberlain and one-third to G. R. Berger, Chicago, Ill. Storage-battery electrode. 1,753,381; Apr. 8.
- Levinsohn, Louis N., New York, N. Y. Merchandise package and display rack therefor. 1,755,927; Apr. 22.
- Levinson, David, assignor to Wilson-Western Sporting Goods Company, Chicago, Ill. Protective apparatus for athletes. 1,757,640; May 6.
- Levinson, David J., Jamaica, Long Island, N. Y. Antiskid device. 1,771,542; July 29.
- Levinson, David, assignor to Wilson-Western Sporting Goods Co., Chicago, Ill. Guard for athletes. 1,784,148; Dec. 9.
- Levis, John H., jr., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Manual telephone system. 1,750,806; Mar. 18.
- Levis, Robert B., Chicago, Ill. Roofing product. 1,778,903; Oct. 21.
- Levison, Harry, San Francisco, Calif. Clamping means for mounting printing plates. 1,770,475; July 15.
- Leviton Manufacturing Company. (See Slady, Frank, assignor.)
- Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 80,278; Jan. 7.
- Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 80,537; Feb. 18.
- Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 80,538; Feb. 18.
- Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 82,036; Sept. 16.
- Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 82,037; Sept. 16.
- Levy, Abraham, Brooklyn, N. Y. Clock case or similar article. Des. 82,270; Oct. 14.
- Levy, Abraham, Brooklyn, N. Y. Clock case or similar article. Des. 82,509; Nov. 11.
- Lévy, Adolph, Cincinnati, Ohio. Sewer catch basin. 1,746,121; Feb. 4.
- Levy, Charles M., New York, N. Y. Finger ring. Des. 80,573; Feb. 25.
- Levy, Charles M., New York, N. Y. Finger ring. Des. 81,058; Apr. 29.
- Levy, Cyril C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic station. 1,764,326; June 17.
- Levy, David L., Lynn, Mass. Treating hides. 1,742,514; Jan. 7.
- Levy, Dudley D., New York, N. Y. Measuring and self-closing device for collapsible tubes. 1,772,904; Aug. 12.
- Levy, Dudley D., New York, N. Y. Brake mechanism. 1,779,630; Oct. 28.
- Levy, Edward J., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Liquid sealing means for containers. 1,747,308; Feb. 18.
- Levy, Edward J. (now by judicial change of name Edward L. Mayo), assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostat. 1,763,802; June 17.
- Levy, Edward J. (now by judicial change of name Edward L. Mayo), assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostat. 1,781,287; Nov. 11.
- Levy, Edward J. (now by judicial change of name Edward L. Mayo), assignor to the Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostatic switch. 1,781,288; Nov. 11.
- Levy, Edward J. (now by judicial change of name Edward L. Mayo), assignor to the Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostatically-operated electrical switch. 1,781,289; Nov. 11.
- Levy, Emil, Lima, Ohio. Bed davenport. 1,749,708; Mar. 4.
- Levy, Florian, Lake Charles, La. Self-adjusting neckband. 1,776,975; Sept. 30.
- Levy, Gustav, Berlin, Germany. Picture frame. 1,743,361; Jan. 14.
- Levy, Harold, New York, N. Y. Note holder and dispenser. 1,781,022; Oct. 11.
- Levy, Harold, Chicago, Ill. Note holding and dispensing device. 1,781,023; Nov. 11.
- Levy, Henri G., San Francisco, Calif., assignor to The Electric Manufacturing Company, San Francisco, Calif. Electrical hair drier. 1,744,586; Jan. 21.
- Levy, Isaac, Brooklyn, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc. Shade holder. 1,779,741; Oct. 28.
- Lévy, Léo, Paris, France. Pouring spout. 1,749,253; Mar. 4.
- Lévy, Lucien. (See Rio, A., and Levy.)
- Levy, Lucien, Paris, France. Mechanical motion converter. 1,746,898; Feb. 11.
- Levy, M. S., & Sons, Inc. (See Brenner, Sol M., assignor.)
- Levy, Marcel, assignor of one-half to Prodorite S. A., Geneva, Switzerland. Making road surfaces. 1,785,130; Dec. 16.
- Levy, Maurice M., and W. I. Smith, Brooklyn, N. Y. Embossed display figure. Des. 81,344; June 10.
- Levy, Norman C., New York, N. Y. Finger ring. Des. 81,544; July 8.
- Levy, Oscar C., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Party-line telephone system. 1,783,295; Dec. 2.
- Lévy, Pierre, Nancy, assignor to The Société P. & P. Levy die Etablissements J et S Levy Frères, Meurthe-et-Moselle, France. Fashioned warp knitting. 1,783,847; Dec. 2.
- Levy, Stanley I., London, England. Treatment of copper-rich material. 1,746,313; Feb. 11.
- Levy, Stanley I., London, England. Electrolysis of ferrous chloride. 1,752,348; Apr. 1.

- Lewdinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Window-regulating mechanism. 1,747,587; Feb. 18.
- Lewellen, Darcy E., Columbus, Ind. Control mechanism for paper-making machines. 1,757,867; May 6.
- Lewellen, Darcy E., and E. F., Columbus, Ind. Controller. Re17,767; Aug. 12.
- Lewellen, Darcy E., Columbus, Ind., and G. R. Zecher, Middletown, Ohio. Control mechanism for paper-making machines. 1,768,088; June 24.
- Lewellen, Darcy E., Columbus, Ind., and G. R. Zecher, Middletown, Ohio. Control mechanism for paper-making machines. 1,768,325; June 24.
- Lewellen, Emmons F. (See Lewellen, Darcy E. and E. F.)
- Lewelling, Raymond, St. Helena, assignor to Federal Telegraph Company, San Francisco, Calif. Electrical condenser. 1,745,628; Feb. 4.
- Lewin, George S., Santa Monica, and C. A. Logue, Venice, Calif. Dehydrant for electric insulators and contact points and restoring normal electric conditions. 1,766,714; June 24.
- Lewin, Jacob W., Oak Park, Ill. Conduit coupling. 1,777,120; Sept. 30.
- Lewin, Nathan S. (See Hudspeth, Joseph G., assignor.)
- Lewin, Walter J., Mathoura, New South Wales, Australia. Attachment for traction wheels. 1,785,452; Dec. 16.
- Lewis, Albert S., jr. (See McConnell, J. R., and Lewis.)
- Lewis, Alexander T., and D. E. French, Marion, assignors to York Heating and Ventilating Corporation, Philadelphia, Pa. Brazing heating coils. 1,751,865; Mar. 25.
- Lewis, Alexander T., Merion, H. P. Gant, Philadelphia, and R. R. Taliaferro, Beechwood Park, assignors to York Heating and Ventilating Corporation, Philadelphia, Pa. Air-conditioning apparatus. 1,751,043; Mar. 18.
- Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Chain-making machine. 1,749,435; Mar. 4.
- Lewis, Arthur L., et al. (See Warshaw, Nathaniel, assignor.)
- Lewis, Arthur L., Newton Center, and F. J. Shepard, jr., Auburndale, assignors to Lewis-Shepard Company, Watertown, Mass. Industrial integral-frame platform. 1,748,779; Feb. 25.
- Lewis, Arthur L., Newton Center, assignor to Lewis-Shepard Company, Watertown, Mass. Portable platform. 1,782,146; Nov. 18.
- Lewis, Basil C., assignor to The Frederick Iron & Steel Company, Frederick, Md. Agitator for coal hoppers. 1,783,092; Nov. 25.
- Lewis, Benjamin F., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Loading system for long submarine cables. 1,746,314; Feb. 11.
- Lewis, Bernard W., Brooklyn, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 82,166; Sept. 30.
- Lewis, Carroll E., St. Paul, assignor to The Lewis Corporation, Inc., Minneapolis, Minn. Humidity control. 1,772,611; Aug. 12.
- Lewis, Carroll E., St. Paul, assignor to The Lewis Corporation, Inc., Minneapolis, Minn. Humidifier and heater. 1,781,515; Nov. 11.
- Lewis, Carroll E., St. Paul, assignor to The Lewis Corporation, Inc., Minneapolis, Minn. Air-conditioning system. 1,785,741; Dec. 23.
- Lewis, Charles H. (See Travers, J. T., Lewis, and Urbain.)
- Lewis, Charles H., et al. (See Freer, Phelps M., assignor.)
- Lewis, Charles H., Cleburne, Tex. Piston puller and cylinder bushing press. 1,760,989; June 3.
- Lewis, Chester L., and H. O. Setterberg, Portland, Ore. Sealing piston ring. 1,781,183; Nov. 11.
- Lewis, Claude A., Houston, Tex. Window construction. 1,744,394; Jan. 21.
- Lewis Corporation, The. (See Lewis, Carroll E., assignor.)
- Lewis Differential Company. (See Tatter, John W., assignor.)
- Lewis, Doc L., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Apparatus for opening cement sacks and dumping the cement into cement mixers. 1,771,797; July 29.
- Lewis, Edmund W. (See Wright, F. H., and Lewis.)
- Lewis, Edward E., N. D. Zito, and J. J. Fertitta, Kenner, La. Washboard. 1,765,083; June 17.
- Lewis, Edward F., Brooklyn, N. Y. Collapsible baby carriage. 1,753,931; Apr. 8.
- Lewis, Edward H., Bridgeport, Conn., assignor to General Electric Company. Ceiling plate. 1,778,082; Oct. 14.
- Lewis Foundry & Machine Company. (See Beatty, Floyd A., assignor.)
- Lewis, Frank H. (See Hanson, F. A., and Lewis.)
- Lewis, Fred J., assignor to McLoughlin Manufacturing Company, Indianapolis, Ind. Undergarment. 1,787,045; Dec. 30.
- Lewis, Fred K., Ashtabula, Ohio. Top for vehicles and the like. 1,758,195; May 13.
- Lewis, Frederick H., Chicago, Ill. Shower cabinet. 1,781,692; Nov. 18.
- Lewis, G. E. Company. (See Frater, Gordon G., assignor.)
- Lewis, George F., Montclair, N. J., assignor to Foote, Plerson & Company, Inc., New York, N. Y. Furniture rest or shoe. 1,778,859; Oct. 21.
- Lewis, George H., Baltimore, Md. Plant puller. 1,758,526; May 13.
- Lewis, George K., assignor to M-L-Wood Corporation, Chicago, Ill. Pressboard. 1,786,211; Dec. 23.
- Lewis, George S., Oak Park, Ill. Welding machine. 1,787,115; Dec. 30.
- Lewis, George W., Berlin, Mass., assignor to John S. Hoffmire Co., Inc., Auburn, N. Y. Ironing table. 1,770,856; July 15.
- Lewis, Goodrich Q., Wheaton, assignor to W. H. Miner, Inc., Chicago, Ill. Draft-rigging key retainer. 1,763,975; June 17.
- Lewis, Goodrich Q., Wheaton, assignor to W. H. Miner, Inc., Chicago, Ill. Resilient center bearing for vehicles. 1,775,249; Sept. 9.
- Lewis, Harold R., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Machine for treating tomatoes. 1,750,414; Mar. 11.
- Lewis, Harry G., assignor to Electric Service Supplies Company, Philadelphia, Pa. Headlight. 1,752,273; Mar. 25.
- Lewis, Henry E., Redditch, England. Device for holding and manipulating screw, nuts, and like articles. 1,767,296; June 24.
- Lewis, Herman P., Tarentum, and E. S. Peters, New Sheffield, Pa. Rotary pump. 1,781,065; Nov. 11.
- Lewis, Howard W., Newark, N. J. Autographic register. 1,770,080; July 8.
- Lewis, Hugh G., Mont Alto, Pa. Fly-exit device. 1,748,181; Feb. 25.
- Lewis, Hugh G., Mont Alto, Pa. Fly exit. 1,757,868; May 6.
- Lewis Invisible Stitch Machine Company. (See Gruman, Horace F., assignor.)
- Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)
- Lewis, Israel, assignor of forty per cent to M. Levin, Providence, R. I. Stringed-musical-instrument mute. 1,772,725; Aug. 12.
- Lewis, Jacob D., Yonkers, N. Y., B. N. Jones, Glen Ridge, N. J., and A. H. Schlaf, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Control system. 1,764,877; June 17.
- Lewis, James O. (See Dunn, I. L., and Lewis.)
- Lewis, James O., Tulsa, Okla. Valve. 1,783,441; Dec. 2.
- Lewis, James R., Philadelphia, Pa., assignor to Breeze Corporation, Newark, N. J. Brake-lining machine. 1,764,082; June 17.
- Lewis, John, St. Louis, Mo. Stove rack. 1,766,523; June 24.
- Lewis, John O., Wesleyville, Pa., assignor to General Electric Company. Lubricating device. 1,751,412; Mar. 18.
- Lewis, Joseph C., Canton, Ohio, assignor to C. W. Keplinger, receiver of the American Electric Switch Corporation, Minerva, Ohio. Entrance switch and service box. 1,770,210; July 8.
- Lewis, Joseph C., Minerva, Ohio, assignor to C. W. Keplinger, receiver of American Electric Switch Corporation, Minerva, Ohio. Entrance switch. 1,770,211; July 8.
- Lewis, Joseph C., Minerva, Ohio, assignor to C. W. Keplinger, receiver of the American Electric Switch Corporation, Minerva, Ohio. Wiring trough. 1,770,212; July 8.
- Lewis, Joseph C., Minerva, assignor to C. W. Keplinger, Canton, receiver of the American Electric Switch Corporation, Minerva, Ohio. Latch for service boxes. 1,781,115; Nov. 11.
- Lewis, Josiah G., Scranton, Pa. Telephone-operated radio audio control. 1,775,567; Sept. 9.
- Lewis, Leroy M., Rosemont, assignor to central Automatic Sprinkler Company, Philadelphia, Pa. Torrent valve for sprinkler systems. 1,765,840; June 24.
- Lewis, Lester A., Beacon, N. Y. Meter. 1,776,189; Sept. 16.
- Lewis, Lester L., assignor to Blair Strip Steel Company, New Castle, Pa. Annealing apparatus. 1,777,978; Oct. 7.
- Lewis, Lloyd M., and A. Sezekoff, Sacramento, Calif. Signaling system. 1,757,674; May 6.
- Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for transmitting coded currents. 1,774,754; Sept. 2.
- Lewis, Max C. (See Dawes, G. H., and Lewis.)
- Lewis, Paul F., Pittsburgh, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reel. 1,772,102; Aug. 5.
- Lewis, Richard C., assignor, by mesne assignments, to Farrell-Birmingham Company, Incorporated, Ansonia, Conn. Machine for treating rubber and similar material. 1,773,367; Aug. 19.
- Lewis, Richard C., assignor, by mesne assignments, to Farrell-Birmingham Company, Incorporated, Ansonia, Conn. Machine for mixing rubber or like material. 1,778,364; Oct. 14.
- Lewis, Richard W., Montclair, N. J. Dispersion and making the same. 1,783,365; Dec. 2.
- Lewis, Richard W., Montclair, N. J. Dispersion and making the same. 1,783,366; Dec. 2.
- Lewis, Richard W., Montclair, N. J. Dispersion and making the same. 1,787,418; Dec. 30.
- Lewis, Robert A., Cardiff, Wales. Cooling tower. 1,778,364; Oct. 14.
- Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Testing machine. 1,763,400; June 10.
- Lewis, Robert C. (See Johnson, August, assignor.)
- Lewis, Robert H. (See Hensley, W. T., and Lewis.)

- Lewis, Roy A., and J. M. Sylvester, Bethlehem, Pa., assignors to Bethlehem Steel Company. Forming metal bodies. 1,779,607; Oct. 28.
- Lewis, Samuel A., assignor of forty-seven one-hundredths to R. H. Barker, Derry, N. H., and G. W. Barker, Rochester, N. Y. Shoe-sole skiver. 1,787,384; Dec. 30.
- Lewis-Shepard Company. (See Hennessy, Daniel E., assignor.)
- Lewis-Shepard Company. (See Lewis, Arthur L., assignor.)
- Lewis-Shepard Company. (See Lewis, A. L., and Shepard, assignors.)
- Lewis, Teela M. (See Carr, George, assignor.)
- Lewis, Theodore B., assignor to Security Seal & Lock Corp., New York, N. Y. Unlockable safety lock. 1,745,495; Feb. 4.
- Lewis, Warren B., Seekonk, Mass. Seal for preventing the flow of material between relatively-moving surfaces. 1,757,533; May 6.
- Lewis, Warren K. (See Loomis, N. E., and Lewis.)
- Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Separating hydrocarbons. 1,746,197; Feb. 4.
- Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Process for fractionation and apparatus therefor. 1,767,298; June 24.
- Lewis, Warren K., Newton, Mass., and N. E. Loomis, Elizabeth, N. J., assignors to Standard Oil Development Company. Obtaining products from hydrocarbons by heat treatment. 1,767,297; June 24.
- Lewis, Wilfred, Haverford, Pa. Pneumatic jar-ramming molding machine. 1,763,662; June 17.
- Lewis, Wilfred, Haverford, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Clamp for molding machines. 1,746,219; Feb. 4.
- Lewis, Wilfred, Haverford, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Roll-over traversing mechanism for molding machines. 1,759,825; May 20.
- Lewis, Wilfred, Haverford, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Piston and cylinder construction for molding machines. 1,763,058; June 10.
- Lewis, Wilfred, Haverford, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 1,784,457; Dec. 9.
- Lewis, William, Utica, N. Y. Convertible single or double bed. 1,780,792; Nov. 4.
- Lewis, William T. (See Eells, Milton M., assignor.)
- Lewis, William T., Racine, Wis. Wireless receiving system. 1,774,834; Sept. 2.
- Lex, Rudolf, assignor of one-half to K. Zeyen, Cologne, Germany. Apparatus for spraying pulverulent material. 1,752,956; Apr. 1.
- Ley, Edwin L., Brooklyn, N. Y., assignor to McLaurin-Jones Co., Brookfield, Mass. Cover paper or the like. Des. 80,322; Jan. 14.
- Ley, Edwin L., Brooklyn, N. Y., assignor to McLaurin-Jones Co., Brookfield, Mass. Cover paper or the like. Des. 80,323; Jan. 14.
- Ley, Edwin L., Brooklyn, N. Y., assignor to McLaurin-Jones Co., Brookfield, Mass. Cover paper or the like. Des. 80,324; Jan. 14.
- Ley, Edwin L., Brooklyn, N. Y., assignor to McLaurin-Jones Co., Brookfield, Mass. Cover paper or the like. Des. 80,325; Jan. 14.
- Ley, Edwin L., Brooklyn, N. Y., assignor to McLaurin-Jones Co., Brookfield, Mass. Cover paper or the like. Des. 80,326; Jan. 14.
- Leydecker, Raymond C., Omaha, Nebr. Emblem or similar article. Des. 82,097; Sept. 23.
- Leyhausen, Wilhelm, Nuremberg, Germany. Automatic circuit breaker. 1,750,895; Mar. 18.
- Leyland, Alfred, Taddington, near Buxton, England. Building structure. 1,784,808; Dec. 9.
- Leyton, Geoffrey B. (See Leyton, Helen G. and G. B.)
- Leyton, Helen G. and G. B., Oxford, England. Knitting machine. 1,780,831; Nov. 4.
- Liagre, Georges, Paris, France. Aspirator ventilator apparatus. 1,770,986; July 22.
- Liautaud, John N., administrator. (See Davin, Walter W.)
- Libbey Glass Manufacturing Company, The. (See Danner, Edward, assignor.)
- Libbey Glass Manufacturing Company, The. (See Kadow, August, assignor.)
- Libbey Glass Manufacturing Company, The. (See Parker, Alvah C., assignor.)
- Libbey-Owens-Ford Glass Company. (See Allen, Horace E., assignor.)
- Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)
- Libbey-Owens-Ford Glass Company. (See Ferngren, Enoch T., assignor.)
- Libbey-Owens-Ford Glass Company. (See Miller, Otto C., assignor.)
- Libbey-Owens-Ford Glass Company. (See Rowley, Clifford A., assignor.)
- Libbey-Owens-Ford Glass Company. (See Rowley, C. A., and Reece, assignors.)
- Libbey-Owens-Ford Glass Company. (See Wildermuth, Jesse W., assignor.)
- Libbey-Owens Glass Company. (See Blair, James C., assignor.)
- Libbey-Owens Glass Company. (See Brown, Wilbur F., assignor.)
- Libbey-Owens Glass Company. (See Crowley, Joseph P., assignor.)
- Libbey-Owens Glass Company. (See Drake, John L., assignor.)
- Libbey-Owens Glass Company. (See Ferngren, Enoch T., assignor.)
- Libbey-Owens Glass Company. (See Fraser, Frank, assignor.)
- Libbey-Owens Glass Company. (See Gipe, John C., assignor.)
- Libbey-Owens Glass Company. (See Mambourg, Leopold, assignor.)
- Libbey-Owens Glass Company. (See McKinley, William S., assignor.)
- Libbey-Owens Glass Company. (See Nobbe, William E., assignor.)
- Libbey-Owens Glass Company. (See Pedersen, Ingvald O., assignor.)
- Libbey-Owens Glass Company. (See Powlesson, William H., assignor.)
- Libbey-Owens Glass Company. (See Randall, James W. H., assignor.)
- Libbey-Owens Glass Company. (See Reece, Joseph A., assignor.)
- Libbey-Owens Glass Company. (See Rosin, E. A., and Kupferschmid, assignors.)
- Libbey-Owens Glass Company. (See Rowley, Clifford A., assignor.)
- Libbey-Owens Glass Company. (See Wildermuth, Jesse W., assignor.)
- Libbey-Owens Glass Company. (See Zadorozny, Mike, assignor.)
- Libbey, Thomas H., assignor to The Studebaker Corporation, South Bend, Ind. Spraying machine. 1,747,517; Feb. 18.
- Libbey, W. S., Company. (See Hamill, Virginia, assignor.)
- Libbey, Walter J., Oakland, Calif. Pulverizing machinery. 1,769,352; July 1.
- Libby, Elmer B. (See Jubb, G. E., and Libby.)
- Libby, George N., Paradise, and G. D. Knight, Redwood City, Calif., assignors to Winship, Macon, Ga. Treating manganese ores and the like. 1,770,791; July 15.
- Libby, George W., Portland, Me. Device for controlling the action of vehicle springs. 1,759,948; May 27.
- Libby, William L., and E. H. Hulse, assignors to J. G. Oliver, doing business as Bardons and Oliver, Cleveland, Ohio. Interlocking control mechanism. 1,776,633; Sept. 23.
- Libeck, Auguste, Paris, France. Luminous and animated advertising device. 1,758,120; May 13.
- Liberman, Meyer, Vallejo, Calif. Trousers. 1,780,356; Nov. 4.
- Liberty, Archie, Amasa, Mich. Water lift. 1,742,996; Jan. 7.
- Liberty, Harry L., Chicago, Ill. Pipe-bending machine. 1,757,806; May 6.
- Lichte, Hugo. (See Hecht, H., Lichte, and Wolf.)
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Aggregate weighing and mixing machine. 1,745,174; Jan. 28.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Subgrade planer and concrete-distributing machine. 1,750,896; Mar. 18.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Boom-angle indicator for cranes. 1,750,962; Mar. 18.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Concrete mixer. 1,753,831; Apr. 8.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Worm-drive crane. 1,763,617; June 10.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Cushioned power transmission and speed actuator. 1,770,175; July 8.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Batchmeter preliminary alarm. 1,770,176; July 8.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Boom angle indicator for cranes. 1,773,589; Aug. 19.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Boom-hoist safety means. 1,775,435; Sept. 9.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Control mechanism for concrete mixers. 1,780,932; Nov. 11.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Direct bucket drive. 1,785,031; Dec. 16.
- Lichtenberg, Erich H., and R. W. Pearson, assignors to Koehring Company, Milwaukee, Wis. Multiplane journal box. 1,770,174; July 8.
- Lichtenstein, Edmund, assignor to the Firm: Deutsche Maschinenbau- und Vertriebs-Gesellschaft m. b. H., Berlin, Germany. Cutting device for transversely-cutting moving paper webs. 1,750,531; Mar. 11.
- Lichtenthaeler, Frank E., Newton Highlands, Mass. Oil heating system. 1,744,318; Jan. 21.
- Lichtenthaeler, Frank E., Newton Highland, Mass. Making alcohol. 1,759,122; May 20.
- Lichter, Ira J., Teaneck, N. J. Call system. 1,780,711; Nov. 4.
- Lichter, Malvin, Inc. (See Lichter, Malvin, assignor.)

- Lichter, Malvin, New York, N. Y., assignor to Malvin Lichter Inc. Sham handkerchief and making same. 1,742,606; Jan. 7.
- Lichtman, Louis, assignor to Chromeplate, Inc., New York, N. Y. Hanger for articles to be plated. 1,749,952; Mar. 11.
- Lichtman, Louis, assignor to Chromeplate, Inc., New York, N. Y. Rack or hanger for articles to be plated. 1,749,953; Mar. 11.
- Lichtman, Louis, assignor to Chromeplate, Inc., New York, N. Y. Hanger for articles to be plated. 1,750,807; Mar. 18.
- Lichtman, Louis, assignor to Chromeplate, Inc., New York, N. Y. Rack for supporting articles to be electroplated. 1,750,808; Mar. 18.
- Lichtman, Louis, assignor to Chromeplate, Inc., New York, N. Y. Hanger for articles to be plated. 1,755,122; Apr. 15.
- Lichtman, Louis, assignor to Chromeplate, Inc., New York, N. Y. Hanger for articles to be plated. 1,755,123; Apr. 15.
- Lichty, A. N., et al. (See Anglemeyer, Herman B., assignor.)
- Lichty, Lester C., and M. Perugino, New Haven, Conn. Finger guard. 1,773,108; Aug. 19.
- Liddell, Robert C., Little Falls, N. J., assignor to L. E. Waterman Company, New York, N. Y. Stand for fountain pens. 1,762,104; June 3.
- Liddiard, Hugh W. C., Rugby, England, assignor to General Electric Company. Operating means for brakes. 1,769,849; July 1.
- Liddle, Daniel L., Washington, D. C. Matrix-cleaning machine. 1,753,243; Apr. 8.
- Lide, Martin J., Birmingham, Ala. Jigging mechanism. 1,745,305; Jan. 28.
- Lide, Martin J., Birmingham, Ala. Actuating mechanism for concentrating machinery. 1,757,320; May 6.
- Lide, Martin J., Birmingham, Ala. Concentrating mechanism. 1,773,911; Aug. 26.
- Lidgerwood Manufacturing Company. (See Dickinson, Joseph H., assignor.)
- Lidgerwood Manufacturing Company. (See Dickinson, Joseph H. and M. H., assignors.)
- Lidholm, Alfred T. (See Lidholm, Leonard A., assignor.)
- Lidholm, Leonard A., assignor of one-half to A. T. Lidholm, Minneapolis, Minn. Internal-brake-adjusting mechanism. 1,778,112; Oct. 14.
- Lidiak, Joseph P., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,781,024; Nov. 11.
- Lidke, George E. (See Lidke, Otto F. and G. E.)
- Lidke, Otto F. and G. E., Denton; said Otto F. Lidke assignor to one-fourth to L. A. Yoder, Rumulus, Mich. Electric heating apparatus. 1,784,528; Dec. 9.
- Liebau, Karl W., Los Angeles, Calif. Tire-treading machine. 1,745,021; Jan. 28.
- Liebeck, Harry, Swarthmore, Pa., assignor to Scott Paper Company. Making crepe paper. 1,772,185; Aug. 5.
- Liebeck, Harry, Swarthmore, Pa., assignor to Scott Paper Company. Paper-making machine. 1,781,928; Nov. 18.
- Liebel-Flarsheim Company, The. (See Liebel, J. G. H., and Flarsheim, assignors.)
- Liebel, John G. H., and E. S. Flarsheim, assignors to The Liebel-Flarsheim Company, Cincinnati, Ohio. Spark-gap mechanism. 1,761,082; June 3.
- Liebender, Gottlieb, assignor to Koch & te Kock, Olsnitz, Germany. Card-saving motion. 1,783,125; Nov. 25.
- Lieber, Carl M., Oklahoma City, Okla. Automatic safety valve. 1,783,440; Dec. 2.
- Liebergeld, Alfred, Laufamholz, near Nuremberg, and F. Singer; said Liebergeld assignor to F. Singer, Nuremberg, Germany. Press for extruding seamless tubes from unbored billets of metals and alloys. 1,773,464; Aug. 19.
- Liebergeld, Paul, Bad Thal, Germany. Mechanical time fuse. 1,752,188; Mar. 25.
- Liebergeld, Paul, Bad Thal, Thuringia, Germany. Mechanical time fuse. 1,758,842; May 13.
- Liebergeld, Paul, Bad Thal, Germany. Mechanical time fuse with clockwork. 1,786,664; Dec. 30.
- Lieberknecht, Paul, assignor to Maschinenfabrik Einsiedel Gesellschaft mit beschränkter Haftung, Chemnitz, Germany. Straight-knitting machine. 1,760,703; May 27.
- Lieberman, Joseph A., and S. Caplin, Philadelphia, Pa. Riding breeches. 1,746,951; Feb. 11.
- Liebermann, Paul B., New York, N. Y., assignor to General Motors Corporation, Detroit, Mich. Journal box. 1,781,235; Nov. 11.
- Liebermann, Paul B., Santa Barbara, Calif., assignor to General Motors Corporation, Detroit, Mich. Journal box. 1,785,032; Dec. 16.
- Liebert, Richard, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Rudder-compensating device. 1,779,398; Oct. 21.
- Liebhich, Otto H., assignor to The Kohler-Liebhich Co., Chicago, Ill. Percussion-type instrument. 1,772,670; Aug. 12.
- Liebknecht, Otto, Berlin-Grunewald, Germany, assignor to The Permutit Company, New York, N. Y. Increasing base-exchanging properties. 1,787,008; Dec. 30.
- Liebowitz, Alfred, Mount Vernon, N. Y. Hickey and mounting therefor. 1,756,159; Apr. 29.
- Liebrecht, Arthur, Frankfort-on-the-Main, Germany, assignor to the firm of Chemisch-pharmazeutische Corporation, Bad Homburg, V. D. H., Germany. Production of medicaments containing bismuth. 1,777,173; Sept. 30.
- Liebs, Louis H., Woodhaven, N. Y. Finger ring. 1,758,447; May 13.
- Liebscher, Paul, Chemnitz-Gablent, Germany. Swiveling arbor support. 1,757,726; May 6.
- Liechty, Hermann, assignor to W. Kaufmann, Bern, Switzerland. Track vehicle. 1,781,334; Nov. 11.
- Liedtke, Louis C. (See Rispel, A., and Liedtke.)
- Lienesch, Charles F. (See Stokes, C. L., and Lienesch.)
- Lienhart, Anthony. (See Malepsy, Charles, assignor.)
- Lierg, Friedrich, Vienna, Austria. Producing pictures consisting of dyes in photographic manner. 1,758,572; May 13.
- Liers, Fritz, Berlin-Lichtenberg, Germany. Casting mold. 1,776,591; Sept. 23.
- Liesegang, Wilhelm. (See Schleicher, M., and Liesegang.)
- Lieseke, Albert, Harrisonville, Mo. Spark-plug-shorting device. 1,769,440; July 1.
- Lieser, George J., and P. C. Murphy, Chicago, Ill. Baster for meats. 1,750,809; Mar. 18.
- Lieske, Bernhard, Plauen, Germany. Air-piping device in connection with sunken submarine boats. 1,775,595; Sept. 9.
- Lieske, Frank J., assignor of one-half to H. W. Gilbert and one-fourth to J. F. La Grant, Detroit, Mich. Valve for gas ranges. 1,749,290; Mar. 4.
- Lieske, Rudolf, Leverkusen, near Cologne, and W. Schepss, Wiesdorf, near Cologne, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Disinfecting, bactericidal, insecticidal, fungicidal, and vermin-destroying preparations. 1,766,441; June 24.
- Lietzke, Henry R., assignor to The Warner Corporation, Syracuse, N. Y. Push-button switch. 1,773,627; Aug. 19.
- Lievre, Joe B., San Antonio, Tex. Safety aeroplane control stick. 1,755,928; Apr. 22.
- Lifflander, Johan O., assignor to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Cutter. 1,772,905; Aug. 12.
- Lifschutz, Henry, Brooklyn, N. Y. Shoe and making same. 1,751,282; Mar. 18.
- Lifschutz, Henry, Brooklyn, assignor to Elco Shoe Manufacturers, Inc., Brooklyn, N. Y. Arch insert. 1,750,479; Mar. 11.
- Lifton, Samuel H., New York, N. Y. Leather composition. 1,750,231; Mar. 11.
- Lifur, Gregory H., Los Angeles, Calif. Heat exchanger. 1,759,360; May 20.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Pulverizing machine. 1,751,009; Mar. 18.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Pulverizing apparatus. 1,761,083; June 3.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Loading device. 1,762,827; June 10.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Apparatus for breaking coal. 1,763,165; June 10.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Excavating machine. 1,765,682; June 24.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Portable conveyer. 1,769,798; July 1.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Portable unloading machine. 1,786,665; Dec. 30.
- Light, Albert T., Brooklyn, N. Y., assignor to York Ice Machinery Corporation, York, Pa. Continuous freezer. 1,773,912; Aug. 26.
- Light, Clare K., Oswego, N. Y., assignor to The Diamond Match Company, Chicago, Ill. Making matches. 1,773,400; Aug. 19.
- Light, George C., Elizabeth, H. W. Drake, East Orange, M. A. Rudd, North Plainfield, N. J., and W. B. Blanton, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Call-distributing system. 1,778,679; Oct. 14.
- Light Grain & Milling Company, The, et al. (See Christy, Arley B., assignor.)
- Light, John M., Annville, Pa. Aeroplane brake. 1,774,063; Aug. 26.
- Light, Rose, Canton, Ohio. Toilet-seat cover. 1,745,223; Jan. 28.
- Lightfoot, Edwin N., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Electric heating device and producing the same. 1,767,084; June 24.
- Lightfoot, Isaac C., Merriam, Kans. Dry-placer-mining machine. 1,746,706; Feb. 11.
- Lightford, William L., Indianapolis, Ind. Wheel chock. 1,762,997; June 10.
- Lighting Appliance Company. (See Roettges, Frederick W., assignor.)
- Lighting Appliance Company. (See Roettges, F. W., and Gutzwa, assignors.)
- Lighting Appliance Company, Inc. (See Blumenthal, Julius J., assignor.)
- Lightoller Corporation. (See Blitzer, Jacob H., assignor.)
- Lighty, Herschel J., Richards, Iowa. Oil burner. 1,772,750; Aug. 12.
- Ligon, Arthur L., Fort Stockton, Tex. Guide device. 1,753,126; Apr. 1.

- Like, Ralph M., Los Angeles, assignor to F. E. Carter, Brawley, Calif. Continuous projector. 1,751,702; Mar. 25.
- Likens, Lloyd C., and T. J. Davis, Galesburg, Ill. Rail-fastening device. 1,746,084; Feb. 4.
- Lilge, Friedrich, Oberhausen, Germany. Whirl burner. 1,781,236; Nov. 11.
- Lilienfeld, Julius E., Brooklyn, N. Y. Method and apparatus for controlling electric currents. 1,745,175; Jan. 28.
- Lilienfeld, Leon, Vienna, Austria. Cellulose solutions and their production. 1,771,460; July 29.
- Lilienfeld, Leon, Vienna, Austria. Cellulose solutions and making same. 1,771,461; July 29.
- Lilienfeld, Leon, Vienna, Austria. Cellulose solutions and their production. 1,771,462; July 29.
- Liljenroth, Frans G., Stockholm, Sweden. Oxidizing ammonia. 1,744,652; Jan. 21.
- Liljenroth, Frans G., Stockholm, Sweden. Producing ammonium phosphate or mixed fertilizers containing ammonium phosphate by leaching of raw phosphate. 1,758,448; May 13.
- Liljenroth, Frans G., Stockholm, Sweden, assignor to Kunstdünger-Patent-Verwertungs-Aktiengesellschaft, Glarus, Switzerland. Ammonium sulphate manufacture. 1,758,449; May 13.
- Liljenroth, Frans G., Stockholm, Sweden. Producing a mixed manure, containing phosphoric acid and nitrogen. 1,761,400; June 3.
- Lillard, William W., Mahwah, N. J., assignor to Sackoncrete Company, Washington, D. C. Masonry construction. 1,777,926; Oct. 7.
- Lilleberg, Tideman M., assignor to The Nye Tool & Machine Works, Chicago, Ill. Thread-cutting device. 1,752,915; Apr. 1.
- Lilleberg, Tideman M., assignor to The Nye Tool & Machine Works, Chicago, Ill. Chuck. 1,772,953; Aug. 12.
- Lilleberg, Tideman M., assignor to Nye Tool & Machine Works, Chicago, Ill. Vise. 1,782,929; Nov. 25.
- Lilleberg, Tideman M., assignor to Nye Tool & Machine Works, Chicago, Ill. Vise. 1,782,930; Nov. 25.
- Lilley Company, The. (See Earnshaw, Howard W., assignor.)
- Lilley, Daniel G., Denver, Colo. Golf club. 1,782,931; Nov. 25.
- Lilley, Daniel G., Denver, Colo., assignor to Bendix Aviation Corporation. Gear-shift mechanism. Re17,773; Aug. 19.
- Lillian, Emil V., Lindsborg, Kans. Flytrap. 1,756,648; Apr. 29.
- Lillibridge, Duane M., St. Charles, Ill. Hammock frame. 1,744,395; Jan. 21.
- Lillibridge, Duane M., St. Charles, Ill. Glider. 1,766,028; June 24.
- Lillibridge, Duane M., St. Charles, Ill. Hammock or glider supporting frame. 1,783,848; Dec. 2.
- Lillie, Arthur C., Los Angeles, Calif. Auxiliary windshield. 1,777,569; Oct. 7.
- Lillig, Nicholas R., assignor to Tice Lock-Washer Manufacturing Co., Portland, Oreg. Bolt and nut lock. 1,776,473; Sept. 23.
- Lillquist, Victor A. (See Krohn, E., and Lillquist.)
- Lilly, Eli, and Company. (See Carter, Edgar B., assignor.)
- Lilly, Eli, and Company. (See Stuart, Elmer H., assignor.)
- Lilly, Ernest W., Raymond, Wash. Attachment for tractors. 1,767,992; June 24.
- Lilly, George E. (See Lilly, Scott H. and G. E.)
- Lilly, Scott H., Toledo, Ohio. Bag-filling method and apparatus. 1,782,733; Nov. 25.
- Lilly, Scott H. and G. E., Toledo, Ohio, assignors, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Bag closure and making the same. 1,763,663; June 17.
- Lilly, William, New York, N. Y. Gasoline vaporizer. 1,757,641; May 6.
- Lilly, William J., assignor to H. A. Sutcliffe, Tacoma, Wash. Book-match machinery. 1,766,180; June 24.
- Lily-Tulip Cup Corporation. (See Nias, H., and Poster, assignors.)
- Lima, David O., Oklahoma City, Okla. Specific-gravity balance. 1,787,256; Dec. 30.
- Lima, Henry C., Stamford, Conn., assignor, by mesne assignments, to Atia Sales Corporation, New York, N. Y. Refuse collector. 1,755,547; Apr. 22.
- Limbers, Don R. (See Halbach, H. L., and Limbers.)
- Limbirt, Charles P., Company. (See Van Raalte, Dirk B. K., assignor.)
- Limebaugh, George W. (See Grant, W., and Limebaugh.)
- Liming, John, Jr., Philadelphia, Pa. Fluid pump. 1,770,317; July 8.
- Limit Engineering Company Limited. (See Collins, Aubrey L., assignor.)
- Limitorque Corporation, The. (See Dean, Peter P., assignor.)
- Limousin, Jules. (See Blaudeau, J. B., Limousin, Rousseaux, and Dumont.)
- Limousine Body Company. (See Huesman, Burton L., assignor.)
- Limpach, Otto. (See Schmidt, M. P., and Limpach.)
- Linaker, Frederick W., and T. M. Bruback, Du Bois, Pa. Operating boiler soot cleaners. 1,742,361; Jan. 7.
- Linaker, Frederick W., and T. M. Bruback, Du Bois, Pa. Tube cleaner. 1,748,387; Feb. 25.
- Linaker, Frederick W., and T. M. Bruback, Du Bois, Pa. Soot cleaner. 1,748,388; Feb. 25.
- Linaker, Frederick W., and T. M. Bruback, Du Bois, Pa. Fittings and pipe system for soot cleaners. 1,752,442; Apr. 1.
- Linaker, Frederick W., and T. M. Bruback, Du Bois, Pa. Rotary soot cleaner for boilers. 1,784,491; Dec. 9.
- Lináres, Abelardo, Maracaibo, Venezuela. Vise. 1,748,886; Feb. 25.
- Lináres, Abelardo, Maracaibo, Venezuela. Intermittent-grip device. 1,748,887; Feb. 25.
- Lináres, Abelardo, Maracaibo, Venezuela. Screw adjustable mechanism. 1,748,888; Feb. 25.
- Lincecum, Addison T., El Campo, Tex. Portable electric air heater. 1,749,039; Mar. 4.
- Linch, Edward P., Philadelphia, Pa. Closure-retaining means for containers. 1,753,660; Apr. 8.
- Linch, Frank W. (See Lawrie, L. G., Linch, and Rodd.)
- Linch, Frank W. (See Rodd, E. H., and Linch.)
- Linch, Frank W., and E. H. Rodd, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Preparing triarylmethane dyes. 1,772,516; Aug. 12.
- Linck, Otto E., Upper Montclair, N. J. Fertilizer sprayer. 1,747,834; Feb. 18.
- Linckh, Eduard. (See Mittasch, A., Müller, and Linckh.)
- Lincks, George F. (See Klupfel, G., and Lincks.)
- Lincoln-Alliance Bank, trustee. (See Hall, Randolph F., assignor.)
- Lincoln Builders Supply Co. (See Day, Leonard, assignor.)
- Lincoln Drilling Company. (See Woodmansee, Clay G., assignor.)
- Lincoln Electric Company, The. (See Chapman, E., and Dreese, assignors.)
- Lincoln Electric Company. (See La Vigna, William, assignor.)
- Lincoln Electric Company, The. (See Lincoln, James F., assignor.)
- Lincoln Electric Company, The. (See Lincoln, J. F., and Dreese, assignors.)
- Lincoln Electric Company, The. (See Taylor, Maurice R., assignor.)
- Lincoln, James F., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding. 1,774,023; Aug. 26.
- Lincoln, James F., East Cleveland, and E. E. Dreese, Euclid, assignors to The Lincoln Electric Company, Cleveland, Ohio. Dynamo-electric machine. 1,784,102; Dec. 9.
- Lincoln Manufacturing Company. (See McFadden, Glenn E., assignor.)
- Lincoln Meter Company, The. (See Borden, P. A., Baker, and Paine, assignor.)
- Lincoln Oil Refining Company. (See Culmer, Thaddeus W., assignor.)
- Lincoln, Robert A., Wichita Falls, Tex., assignor of one-half to American Iron & Machine Works, Inc., Oklahoma City, Okla. Pipe cutter. 1,748,357; Feb. 25.
- Lincoln, Robert A., assignor of one-half to American Iron & Machine Works, Inc., Tonkawa, Okla. Weight indicator. 1,780,238; Nov. 4.
- Lincoln Scale Corporation. (See Burke, Robert J., assignor.)
- Lincoln Scale Corporation. (See Ferguson, Andrew W., assignor.)
- Lincoln Scale Corporation. (See Ferguson, A. W., and Burke, assignors.)
- Lind, Adolph F. (See Kennedy, Albert H., assignor.)
- Lind, Edward J., Kansas City, Kans. Soda-water-dispensing machine. 1,746,597; Feb. 11.
- Lind, T. W., Company. (See Ashton, Pearl F., assignor.)
- Lind, T. W., Company. (See Bangs, Ralph C., assignor.)
- Lindale, Paul R. (See Westberg, R., and Timm, assignors.)
- Lindauer, Jules, Paris, France. Breast supporter, corselet, corset, and the like. 1,751,212; Mar. 18.
- Lindauer, Jules, Paris, France. Lacing device for corsets and like articles. 1,784,458; Dec. 9.
- Lindberg, Ernest O., Jamaica, assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Sterile indicating means in sterilizing thermometers. 1,756,064; Apr. 29.
- Lindblad, Axel R., Djursholm, Sweden. Treating arsenious ore. 1,763,435; June 10.
- Lindblad, Charles V., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Tension-equalizing chianti-belt tightener. 1,765,841; June 24.
- Lindburg, Cecil B., Darlington, Idaho. Rotary land corugator. 1,763,166; June 10.
- Linde Air Products Company, The. (See De Motte, M. P., and Pierce, assignors.)
- Linde Air Products Company, The. (See Haynes, Pierre E., assignor.)
- Linde Air Products Company, The. (See Linden, Walter R., assignor.)
- Linde Air Products Company, The. (See Moss, Herbert H., assignor.)
- Linde Air Products Co., The. (See Zenner, George H., assignor.)
- Linde, Andrew H., Philadelphia, Pa. Cage for ball bearings. 1,750,641; Mar. 18.
- Linde, Carl A., Puyallup, Wash. Roof covering. 1,773,686; Aug. 19.
- Linde, John A., New York, N. Y. Orthodontic-appliance adjuster. 1,773,588; Aug. 19.
- Lindegren, Carl J. (See Bergstrom, C. P., and Lindegren.)

- Lindgren, Carl J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Steel lay brace. 1,752,443; Apr. 1.
- Lindgren, Carl J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Multicolor-weft-replenishing mechanism. 1,760,949; June 3.
- Lindgren, Carl J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom drop-box connection. 1,766,756; June 24.
- Lindgren, Carl J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin support for weft magazines. 1,777,372; Oct. 7.
- Lindelöf, Hjalmar. (See Risberg, J. V. M., and Lindelöf.)
- Lindeman, Jesse G., Yakima, Wash. Wheel mounting for land vehicles. 1,751,010; Mar. 18.
- Lindemann, A. J., & Hoverson Company. (See Lindemann, Albert J., assignor.)
- Lindemann, A. J., & Hoverson Company. (See Lindemann, Walter C., assignor.)
- Lindemann, Albert J., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Heater. 1,764,635; June 17.
- Lindemann, Albert J., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Gas stove. 1,772,870; Aug. 12.
- Lindemann-Hoverson, A. J., Company. (See Rutenber, Edwin A., assignor.)
- Lindemann, Walter C., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Portable hydrocarbon stove. 1,782,008; Nov. 18.
- Linden, Arvid I., Brooklyn, N. Y. Steering device. 1,755,299; Apr. 22.
- Linden, Arvid I., Brooklyn, N. Y. Toy vehicle. 1,769,701; July 1.
- Linden, Walter R., Palisades Park, N. J., assignor to The Linde Air Products Company. Welding. 1,754,721; Apr. 15.
- Lindenberg, Albert, assignor to Oscar Heineman Corporation, Chicago, Ill. Tube for the winding of yarns and threads. 1,769,928; July 8.
- Lindenberg, Albert, assignor to Oscar Heineman Corporation, Chicago, Ill. Cone for the winding of yarns and threads. 1,769,929; July 8.
- Lindenberg, Frank H., Columbus, Ohio. Internal-combustion engine. 1,760,073; May 27.
- Lindenberg, Theodore, Columbus, Ohio. Sound-reproducing apparatus. 1,742,402; Jan. 7.
- Lindenberg, Theodore, Columbus, Ohio. Sound amplifier. 1,781,465; Nov. 11.
- Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Coupling device. 1,778,395; Oct. 14.
- Lindenborg, John A., Indianapolis, Ind., assignor, by mesne assignments, to Battery Containers, Inc., Boston, Mass. Battery-box press. 1,759,703; May 20.
- Lindenfelser, Joseph A., Rogers, Minn. Grinding burr. 1,778,860; Oct. 21.
- Linderborg, Nils G., New York, N. Y. Method of and apparatus for treating vapors, gases, and the like. 1,756,693; Apr. 29.
- Linderman, Bert A., New York, N. Y., assignor to Linderman & Co., Wilmington, Del. Fluid-pressure-operated device. 1,780,199; Nov. 4.
- Linderman, Bert A., assignor to Linderman & Company, New York, N. Y. Metallic shoe for fluid-pressure-operated brakes. 1,780,200; Nov. 4.
- Linderman, Bert A., New York, N. Y., assignor to Linderman & Company, Wilmington, Del. Fluid-pressure brake. 1,786,438; Dec. 30.
- Linderman & Company. (See Linderman, Bert A., assignor.)
- Lindermann, A. J., & Hoverson Company. (See Rutenber, Edwin A., assignor.)
- Linderman & Co. (See Linderman, Bert A., assignor.)
- Linderner, Mathius. (See Benton, E. A., and Linderner.)
- Lindersmith, Alva J., et al. (See Borgeson, Charles A., assignor.)
- Lindersmith, Basel L., Wilson, Okla. Portable ironing cabinet. 1,748,889; Feb. 25.
- Lindgren, Alexis C., Chicago, Ill., assignor to International Harvester Company. Harvester thrasher. 1,769,031; July 1.
- Lindgren, Alexis C., Chicago, B. R. Benjamin, Oak Park, and G. M. Merwin, Chicago, Ill., assignors to International Harvester Company. Attachment for stubble pulverizers. 1,744,479; Jan. 21.
- Lindgren, Bror J., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Bed-adjusting mechanism for stamping presses. 1,758,231; May 13.
- Lindgren, Bror J., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Blank-holding and clutch-operating mechanism for presses. 1,760,151; May 27.
- Lindgren, Bror J., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Machine for heading and flanging metal barrels. 1,782,991; Nov. 25.
- Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,754,328; Apr. 15.
- Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,754,329; Apr. 15.
- Lindgren, Hans O., Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator. 1,749,291; Mar. 4.
- Lindgren, Peter J., assignor to J. W. Horner, Denver, Colo. Pipe connection. 1,784,637; Dec. 9.
- Lindhorst, Frederick L., assignor to White Showers Inc., Detroit, Mich. Irrigating device. 1,751,640; Mar. 25.
- Lindhorst, Frederick L., assignor to White Showers Inc., Detroit, Mich. Automatic sprinkler. 1,751,641; Mar. 25.
- Lindley, Adelbert H. et al., executors. (See Chace, William M.)
- Lindley, Alva A., Spokane, Wash. Boiler. 1,784,149; Dec. 9.
- Lindley, Lowell F., Chicago, Ill. Roofing and making the same. 1,779,175; Oct. 21.
- Lindloff, Frederick J., Cincinnati, Ohio. Window-worker's scaffold. 1,777,373; Oct. 7.
- Lindmark, Elmer S., New York, N. Y. Conductor-holding clip. 1,753,013; Apr. 1.
- Lindner, Arthur, Middletown, assignor to The Lindner Manufacturing Company, Lockland, Ohio. Carton-sealing machine. 1,778,804; Oct. 21.
- Lindner, Felix, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Salts of alkaline earth metals. 1,751,932; Mar. 25.
- Lindner, Felix and F. Link, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of hydrocyanic acid. 1,751,933; Mar. 25.
- Lindner, Herbert, Berlin, Germany. Thread cutter. 1,768,089; June 24.
- Lindner Manufacturing Company, The. (See Lindner, Arthur, assignor.)
- Lindner, Walther, assignor to Hohenzollern Aktiengesellschaft für Lokomotivbau, Düsseldorf-Grafenberg, Germany. Combustion-motor-driven locomotive and operating same. 1,743,557; Jan. 14.
- Lindner, Walther, assignor to the Firm Hohenzollern Aktiengesellschaft für Lokomotivbau, Düsseldorf-Grafenberg, Germany. Pneumatic coupling. 1,759,755; May 20.
- Lindquist, Alma A. (See Schubert, Kurt E., assignor.)
- Lindquist, Birger W. (See Heames, R. M., Lindquist, and Stark.)
- Lindquist, David L., Hartsdale, N. Y., E. L. Dunn, Montclair, N. J., and D. C. Larson, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Elevator system. 1,767,891; June 24.
- Lindquist, David L., Hartsdale, N. Y., E. L. Dunn, East Orange, N. J., and D. C. Larson, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Switching mechanism. 1,767,892; June 24.
- Lindquist, Otto B., Tarentum, Pa., assignor to Allegheny Steel Company. Four-high rolling mill. 1,773,737; Aug. 26.
- Lindsay, Frederick K., Minneapolis, Minn., assignor to Arizona Minerals Corporation, Yuma, Ariz. Making a water-softening material of the exchange-silicate type. 1,744,703; Jan. 21.
- Lindsay, Frederick K., La Grange, Ill., assignor to Arizona Minerals Corporation, Yuma, Ariz. Treating greensand or glauconite for the purpose of rendering it an efficient water-softening agent. 1,750,847; Mar. 18.
- Lindsay, Harvey B., Evanston, Ill., assignor to Dry Zero Corporation, Wilmington, Del. Thermoinsulating structure and manufacturing the same. 1,753,896; Apr. 8.
- Lindsay, John, San Francisco, Calif. Casement-window operator. 1,771,543; July 29.
- Lindsay Light Company. (See Little, Robert L., assignor.)
- Lindsay-McMillan Company. (See Jarman, Rush N., assignor.)
- Lindsay, Philip K., Somerville, Mass. Compressor or the like. 1,744,775; Jan. 28.
- Lindsay, William, assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Electric socket. 1,756,562; Apr. 29.
- Lindsay, William, Toronto, Ontario, assignor to Manton Brothers, Toronto, Canada. Ink agitator for printing presses. 1,773,819; Aug. 26.
- Lindsay, William V., Winona, Minn. Hot-air furnace. 1,743,362; Jan. 14.
- Lindsay Wire Weaving Company, The. (See Steinhart, Ferdinand, assignor.)
- Lindsey, Abner D., Ranger, Tex. Air trap for pipe lines. 1,746,785; Feb. 11.
- Lindsey, George, Stoke Newington, London, England. Sign, tablet, or the like for day and night display. 1,756,203; Apr. 29.
- Lindsey, George, Stoke Newington, London, England. Show card or the like. 1,769,377; July 1.
- Lindsey, Parren D. (See Bartlett, R. S., Harrison, and Lindsey.)
- Lindsey, Roy, Hollywood, Calif. Apparatus and method of casting self-hardening materials. 1,773,429; Aug. 19.
- Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,785,224; Dec. 16.
- Linskog, Segfrid J., Los Angeles, Calif. Cravat attachment. 1,750,232; Mar. 11.
- Linsly, Ben E., Bartlesville, Okla. Apparatus for flowing oil wells. 1,742,403; Jan. 7.
- Lindstaedt, Frank F., Oakland, Calif. Compound for use as insecticides, ovicides, and anti-parasitics. 1,776,862; Sept. 30.

- Lindstedt, Gustaf A., assignor to the firm Aktiebolaget Linham, Stockholm, Sweden. Hingeless receptacle cover. 1,743,279; Jan. 14.
- Lindstrand, Swan M., Chicago, Ill. Floating air liner. 1,766,915; June 24.
- Lindstrom, Albert F. (See Hageman, A. M., and Lindstrom.)
- Lindstrom, Andrew E., assignor to Kasser Egg Process Company, San Francisco, Calif. Egg-preserving machine. 1,749,219; Mar. 4.
- Lindström, Arthur F. H., and C. D. Segerström, Eskilstuna, Sweden. Heat radiator. 1,757,534; May 6.
- Lindstrom, Bernhard F., Mount Vernon, N. Y. Armor-cutting pliers. 1,761,446; June 3.
- Lindstrom, John T., Allentown, Pa. Sink-pipe cleaner. 1,760,704; May 27.
- Lindstrom, Linn O. B., San Francisco, Calif. Pullman-berth-curtain ventilator. 1,753,572; Apr. 8.
- Lindstrom, Linn O. B., and D. G. Sala, San Francisco, Calif. Electric pruning device. 1,786,625; Dec. 30.
- Line-A-Time Mfg. Co. Inc. (See Drake, Charles R., assignor.)
- Line Material Company. (See Cole, George H., assignor.)
- Line Material Company. (See Dohrwardt, John F., assignor.)
- Line Material Company. (See Forrest, Elbert E., assignor.)
- Line Material Company. (See Kyle, William D., assignor.)
- Line Material Company. (See Lemont, Clarence J., assignor.)
- Line Material Company. (See Stanton, Emroy E., assignor.)
- Line Material Company. (See Steinmayer, Alwin G., assignor.)
- Line-O-Scribe, Inc. (See Lamb, H. W., and Ougheltree, assignors.)
- Line-O-Scribe, Inc. (See Lamb, H. W., Ougheltree, and Lamb, assignors.)
- Line-O-Graph Company. (See Page, Marshall H., assignor.)
- Line, Wallace O., Cleveland, Ohio. Handkerchief. 1,785,962; Dec. 23.
- Linebarger, Charles E., Chicago, Ill. Method and apparatus for making pellets. 1,762,693; June 10.
- Linebarger, Charles E., Chicago, Ill. Hydrometer. 1,768,915; July 1.
- Linebarger, Charles E., Chicago, Ill. Electric storage battery. 1,785,963; Dec. 23.
- Linendoll, Asa E., Norwalk, Ohio. Valve construction for automobile heaters. 1,767,383; June 24.
- Lines, Frederick F., Annapolis, Md. Reverberatory furnace. 1,763,471; June 10.
- Lines, Grant, assignor of one-third to S. N. Baker, Fort Worth, Tex. Sandwich-toasting machine. 1,758,121; May 13.
- Lines, Walter, London, England. Folding perambulator and the like. 1,779,742; Oct. 28.
- Ling, Francis E. (See Reif, Joseph, assignor.)
- Linga, Torbjörn, Kokomo, Ind., assignor, by mesne assignments, to P. Sheridan, Chicago, Ill. Carburetor. 1,746,786; Feb. 11.
- Lingle, Samuel E. (See Hudgin, Charles E., assignor.)
- Linick, Leslie L., Chicago, Ill. Electrodeposition of metals and alloys. 1,777,121; Sept. 30.
- Link, Albert C., assignor to L. A. Young Company, Detroit, Mich. Shaft for golf clubs and the like. 1,764,800; June 17.
- Link, Friedrich. (See Lindner, F., and Link.)
- Link, Louis. (See Weller, D. R., and Link.)
- Link, Louis, Baton Rouge, La., assignor to Standard Oil Development Company. Cracking hydrocarbons. 1,756,563; Apr. 29.
- Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Internal-combustion engine. 1,744,319; Jan. 21.
- Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Internal-combustion engine. 1,745,700; Feb. 4.
- Link, Vincent, assignor to Studebaker Corporation, Detroit, Mich. Vehicle brake. 1,747,518; Feb. 18.
- Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Engine. 1,751,743; Mar. 25.
- Link-Belt Company. (See Caldwell, Frank B., assignor.)
- Link-Belt Company. (See Dull, Raymond W., assignor.)
- Link-Belt Company. (See Gayman, Bert A., assignor.)
- Link-Belt Company. (See Kidder, Elwin H., assignor.)
- Link-Belt Company. (See Lauenstein, Carl F., assignor.)
- Link-Belt Company. (See Lauenstein, C. F., and Waterbury, assignors.)
- Link-Belt Company. (See Petersen, J. H. D., and Wilson, assignors.)
- Link-Belt Company. (See Pierce, Harold S., assignor.)
- Link-Belt Company. (See Pollak Solomon, assignor.)
- Link-Belt Company. (See Sjolander, Axel K., assignor.)
- Link-Belt Company. (See Snyder, Louis F., assignor.)
- Link-Belt Company. (See Tark, Marcus B., assignor.)
- Link-Belt Company. (See Young, Charles M., Jr., assignor.)
- Link, John A., St. Louis, Mo. Collapsible truck. 1,773,190; Aug. 19.
- Link Maximilian P., Erie, Pa. Combined closure and spout for containers. 1,775,596; Sept. 9.
- Link, Richard A., and C. F. Harders, assignors to L. A. Young Company, Detroit, Mich. Shaft for golf clubs and the like. 1,781,116; Nov. 11.
- Link, William H., San Diego, Calif. Flower holder. 1,775,250; Sept. 9.
- Linke, August E., Chicago, Ill. Cutter. 1,773,048; Aug. 12.
- Linke, Oscar W. (See Steiert, A. F., and Linke.)
- Linkenheld, Clarence F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Controlling system. 1,764,636; June 17.
- Linkert, Howard W., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. 1,745,496; Feb. 4.
- Linkert, Howard W., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. 1,763,362; June 10.
- Linn, C. E., et al. (See Olson, E. D., and Horton, assignors.)
- Linn, Charles H., San Francisco, Calif. Manually and automatically adjustable truck spring. 1,744,558; Jan. 21.
- Linn, Cyrus W., C. G. Bigelow, and H. O. Raiche, Lansing, assignors to General Motors Corporation, Detroit, Mich. Door curtain. 1,753,795; Apr. 8.
- Linn, Frank C., Lynn, Mass., assignor to General Electric Company. Balancing rotors. 1,776,125; Sept. 16.
- Linn, Frank F., and J. Negles, North Bend, Oreg., assignors of part interest to C. L. Shuppy, T. N. Campbell, and J. Ross, Oakland, Calif. Reversible rear-view reflector. 1,755,740; Apr. 22.
- Linn, Guy E., Rittman, Ohio, and W. H. Finckel, Jr., Washington, D. C., assignors to The Ohio Boxboard Company, Cleveland, Ohio. Container-taping machine. 1,762,135; June 3.
- Linn, Herman C., assignor to W. F. Rawlings, Cleveland, Ohio. Vacuum-cleaner apparatus. 1,756,204; Apr. 29.
- Linn, John B., Center Square, Pa. Nonhygroscopic plastic building block. 1,780,086; Oct. 28.
- Linn, William J., Pittsburgh, Pa. Carburetor. 1,758,954; May 20.
- Linnemans, William J., Big Rapids, Mich. Stand lamp or analogous article. Des. 82,947; Dec. 30.
- Linney, Albert T., Lexington, Ky. Toy. Des. 81,012; Apr. 22.
- Linney, Albert T., Lexington, Ky. Toy gun. Des. 81,059; Apr. 29.
- Linney, Albert T., Lexington, Ky. Toy pistol. 1,776,916; Sept. 30.
- Linnhoff, Franz, Eberswalde, Germany, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Induction furnace. 1,775,351; Sept. 9.
- Linnhoff, Franz, Eberswalde, Germany, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, N. J. Electric melting furnace. 1,782,359; Nov. 18.
- Linnmann, Wilhelm, Jr., Essen-Altenessen, Germany. Apparatus for separating liquids of different specific gravities. Re17,776; Aug. 26.
- Linotype and Machinery Limited. (See Greaves, Wilfred, assignor.)
- Linotype and Machinery Limited. (See Newton, S., and Stern, assignors.)
- Lintecum, Charles, Tonopah, Nev. Filtering cyanide slimes and apparatus for use in same. 1,744,480; Jan. 21.
- Linton, Reginald, and W. J. Jarvis, Sydney, New South Wales, Australia, assignors to The Egarsol Glareless Reflector Co. Ltd., Sidney, Australia. Antiglare reflector. Re17,825; Oct. 14.
- Linton, Reginald, and W. J. Jarvis, assignors to The Egarsol Glareless Reflector Co., Ltd., Sydney, Australia. Antiglare reflector. 1,751,934; Mar. 25.
- Lintz, Ray, et al. (See Love, Thomas, assignor.)
- Linville, Ben M., Mechanicsburg, Ohio. Corn-planter fertilizing-drill attachment. 1,765,683; June 24.
- Linzell, Leslie, London, and T. Ewart Pbythian, Leeds, England, assignors, by mesne assignments, to Lithoprintex Corporation. Machine for transferring designs on to cylindrical surfaces. 1,786,570; Dec. 30.
- Lion Brothers Company. (See Marzak, Joseph S., assignor.)
- Lion, Charles R. (See Halyburton, Roy C., assignor.)
- Lion Match Company. (See Greenbaum, L., Van Hoofstadt, and Gustavson, assignors.)
- Lion Match Company. (See Hill, Thomas A., assignor.)
- Lion Safety Pin Clutch Co., The. (See Levin, Harris, assignor.)
- Lionel Corporation, The. (See Caruso, Louis, assignor.)
- Lionel Corporation, The. (See Caruso, Mario, assignor.)
- Lionel Corporation, The. (See Cowen, Joshua L., assignor.)
- Lionne, Ernest, Swampscott, Mass. Paper and paper making. 1,752,802; Apr. 1.
- Lioud, Frank, St. Etienne, France. Carburetor for internal-combustion engines. 1,774,445; Aug. 26.
- Lipeot, Fred L., New York, N. Y., assignor to The Rubber Shock Insulator Corporation, Wilmington, Del. Rubber-insulated steering arm. 1,748,074; Feb. 25.
- Lipe, W. C., Inc. (See Tyler, Warren C., assignor.)
- Lipetz, Alphonse, Saratoga Springs, N. Y. Motor-driving connection for locomotives. 1,743,363; Jan. 14.
- Lipkowski, Iwan, Detroit, Mich. Frame for display signs and the like. 1,780,305; Nov. 4.
- Lipman, Chmouel L., assignor of a part interest to Nalder Brothers & Thompson Limited, London, England. Electrical measuring instrument. 1,755,009; Apr. 15.
- Lipman, M. (See Swars, Paul G., assignor.)

- Lipman, Michael, New Canaan, Conn. Font of type. Des. 81,250; May 27.
- Lippeatt, Thomas, Sr., Dugger, Ind. Car-replacing rail. 1,757,403; May 6.
- Lipper, Clarence, Philadelphia, Pa. Braid. Des. 81,013; Apr. 22.
- Lipper, Clarence, Philadelphia, Pa. Braid. Des. 81,014; Apr. 22.
- Lipper, Clarence, Philadelphia, Pa., assignor to Lipper Manufacturing Co., Inc. Making hats and the product thereof. 1,785,637; Dec. 16.
- Lipper Manufacturing Co. (See Lipper, Clarence, assignor.)
- Lippert, Morris, New York, N. Y. Footwear and making the same. 1,749,254; Mar. 4.
- Lippincott, John W., Little Rock, Ark. Endless water course. 1,763,976; June 17.
- Lippmann, Max, assignor to S. Pfeiffer Manufacturing Company, St. Louis, Mo. Carton. Des. 82,614; Nov. 25.
- Lippold, Adolph J. (See Strandt, G. E., and Lippold.)
- Lipsius, Samuel, New York, N. Y. Heating and drying apparatus. 1,748,136; Feb. 25.
- Lipsius, Samuel, New York, N. Y. Powdering machine. 1,784,459; Dec. 9.
- Lipson, Edward, Chelsea, Mass. Testing vacuum tubes. 1,755,609; Apr. 22.
- Lipsky, William, New York, N. Y. Vehicular signal. 1,757,869; May 6.
- Liptak, Michael, St. Paul, Minn. Fire wall. 1,750,532; Mar. 11.
- Liquid Carbonic Corporation, The. (See De Stefani, Tully, assignor.)
- Liquid Carbonic Corporation, The. (See Hunt, Franklin B., assignor.)
- Liquid Carbonic Corporation, The. (See Kantor, J., and Miller, assignors.)
- Liquid Carbonic Co. (See Kantor, J., Flick, and Traxel, assignors.)
- Liquid Carbonic Corporation. (See Minor, Henry R., assignor.)
- Liquid Carbonic Corporation, The. (See Mohler, Valentine J., assignor.)
- Liquid Carbonic Corporation, The. (See Oslund, Charles H., assignor.)
- Liquid Carbonic Corporation. (See Traxel, William J., assignor.)
- Liquid Dispensing Systems, Inc. (See Hawxhurst, John J., assignor.)
- Liquid Fuel Cutting & Welding Torch Corporation. (See Wilson, T. C., and Petty, assignors.)
- Liquidometer Company. (See de Giers, Clarence A., assignor.)
- Liquori, Celeste A., assignor of one-half to E. F. Liquori, New York, N. Y. Can opener. 1,787,046; Dec. 30.
- Liquori, Ernest F. (See Liquori, Celeste A., assignor.)
- Liron, Maurice, Milau, France, assignor to The Turner Tanning Machinery Company, Portland, Me. Splitting machine. 1,744,127; Jan. 21.
- Lisenby Manufacturing Company. (See Low, Charles L., assignor.)
- Lish, Charles M., Valparaiso, Ind. Highway railroad crossing. 1,755,698; Apr. 22.
- Lisle Manufacturing Company, The. (See Olson, C. A., Buch, and Brooks, assignors.)
- Lisota, Edward. (See Isom, Walter L., assignor.)
- Liss, August S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling articles. 1,743,364; Jan. 14.
- Liss, August S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Work-feeding device. 1,744,776; Jan. 28.
- Liss, Samuel S., Bronx, N. Y. Calendar attachment for writing instrumentalities. 1,777,468; Oct. 7.
- Lissauer, Adolph W., Louisville, assignor to Louisville Drying Machinery Co. Inc., Jefferson County, Ky. Inner-conduit suspension. 1,761,084; June 3.
- Lisse, Lepold, Berlin-Lichterfelde, Germany. Blasting method and tamping cartridge with utilization of liquefied gases. 1,767,181; June 24.
- Lisse, Leopold, Berlin-Lichterfelde, Germany. Blasting cartridge with cover and process of production. 1,767,182; June 24.
- Lissy, William, Spokane, Wash. Paintbrush holder. 1,754,366; Apr. 15.
- List, Armin. (See Kniep, H. F., and List.)
- Lister, R. A., & Company. (See Sanders, Arthur F., assignor.)
- Lister, William M., Kenilworth, N. J. Toy. 1,754,564; Apr. 15.
- Litchfield, Dean J., Waterloo, Iowa. Expansible beater wheel. 1,767,686; June 24.
- Litchfield, Isaac W., Boston, Mass., assignor to Bemis Bro. Bag Company. Bag closure. 1,782,240; Nov. 18.
- Lithgoe, John, Rawnscliffe, Sandal, Wakefield, assignor to British Jeffrey Diamond Limited, Wakefield, England. Jigging conveyer. 1,766,660; June 24.
- Lithographic Technical Foundation, Inc., The. (See Reed, R. F., and Dorst, assignors.)
- Lithoprintex Corporation. (See Linzell, L., and Phythian, assignors.)
- Little, Thomas J., jr., Detroit, Mich., assignor to Copeland Products, Inc., Detroit, Mich. Refrigeration. 1,753,796; Apr. 8.
- Little, Thomas J., jr., Indianapolis, Ind., assignor to Copeland Products, Inc., Detroit, Mich. Refrigerating mechanism. 1,753,797; Apr. 8.
- Little, Thomas J., jr., assignor to Copeland Products, Inc., Detroit, Mich. Refrigerator. 1,759,513; May 20.
- Little, Thomas J., jr., Indianapolis, Ind., assignor to Copeland Products, Inc., Detroit, Mich. Making evaporators. 1,779,911; Oct. 28.
- Little, Thomas J., jr., assignor to Copeland Products, Inc., Detroit, Mich. Control for refrigeration mechanism. 1,785,699; Dec. 16.
- Litmo Adhesive & Products Company. (See Hoche, Adam, assignor.)
- Litomy, John L., Glen Ridge, N. J. Outlining implement for surface-ornamenting processes. 1,754,330; Apr. 15.
- Litsinger, John K., Alliance, Ohio. Signaling receptacle. 1,745,899; Feb. 4.
- Litt, James A., Stratford, Ontario, Canada. Snowplow. 1,742,818; Jan. 7.
- Littell, Nelson, New Canaan, Conn. Cover cap for collapsible packages. 1,742,657; Jan. 7.
- Litter, Frederick A., Columbus, Ohio. Bearing-boring apparatus. 1,767,384; June 24.
- Little, Alice D., New York, N. Y. Manikin head. Des. 81,657; July 22.
- Little, Arthur D., Incorporated. (See Fair, Albert E. H., assignor.)
- Little, Arthur D., Incorporated. (See Little, Arthur D., assignor.)
- Little, Arthur D., Incorporated. (See Stevenson, E. P., and Fogler, assignors.)
- Little, Arthur D., Brookline, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Process for the solvent extraction of woods. 1,762,785; June 10.
- Little, Charles W. G., Enfield, England. Pressure-indicating device for use with pneumatic tires. 1,755,010; Apr. 15.
- Little, Clarence B., assignor to The Brownell Company, Dayton, Ohio. Steam boiler. 1,751,092; Mar. 18.
- Little, Donald G. (See Davis, R. L., and Little.)
- Little, Donald G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum-tube system. 1,749,592; Mar. 4.
- Little, Earl W., Indianapolis, Ind. Bird cage. Des. 80,327; Jan. 14.
- Little, Earl W., Indianapolis, Ind. Attachment for welding machines. 1,773,465; Aug. 19.
- Little, Earl W., Indianapolis, Ind. Attachment for welding machines. 1,783,337; Dec. 2.
- Little, Edward W., Indianapolis, Ind. Air deflector. 1,747,448; Feb. 18.
- Little, Edwin G., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-switch-lever lock stand. 1,771,183; July 22.
- Little, George, Boise, Idaho. Nail puller. 1,761,575; June 3.
- Little, John, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Center clip. 1,762,302; June 10.
- Little, John O., New York, N. Y. Combined letter and envelope stuffer. 1,783,022; Nov. 25.
- Little, John Q. (See Hamer, L. S., and Little.)
- Little, John Q., Whittier, Calif. Casing shoe and valve. 1,786,761; Dec. 30.
- Little, Kneud E., Tahlequah, Okla. Well bucket. 1,743,973; Jan. 14.
- Little Red Wagon Mfg. Co. (See Thomas, Arthur C., assignor.)
- Little, Robert L., assignor to Lindsay Light Company, Chicago, Ill. Flexible coupling. 1,780,712; Nov. 4.
- Little, Stanhope S., Owensboro, Ky. Duodelivery envelope. 1,746,315; Feb. 11.
- Little, Thomas L. (See Sherwood, L. R., and Little.)
- Little, Thomas P., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Mandrel-delivering apparatus. 1,760,875; June 3.
- Little, Thomas P., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Cutting machine. 1,762,828; June 10.
- Little, Walter S., Portland Oreg. Ladder. 1,775,285; Sept. 9.
- Little, William F., Nepperhan Heights, N. Y. Reflector. 1,746,399; Feb. 11.
- Little, William T., Westfield, N. J. Producing sodium stannate. 1,787,078; Dec. 30.
- Littlefield, Carl, assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Mechanical movement. 1,745,855; Feb. 4.
- Littlefield, George E., Providence, R. I., assignor to American Roll Gold Leaf Company. Tool for delivering, separating, and applying roll gold leaf. 1,775,728; Sept. 16.
- Littlefield, Lloyd M., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Packing tubes. 1,784,366; Dec. 9.
- Littleford Brothers. (See Strietmann, Herman H., assignor.)
- Littleford, John W., Alameda, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Flotation concentration of phosphatic material. 1,780,022; Oct. 28.
- Littlejohn, Norman W., Neosho, Mo. Transmission. 1,778,365; Oct. 14.
- Littler, Martha E. (See Littler, Robert, sr., assignor.)

- Littler, Robert, sr., assignor to M. E. Littler, Philadelphia, Pa. Safety device for cranking and electric starter for automobiles. 1,759,650; May 20.
- Littler, Robert, sr., assignor to M. E. Littler, Philadelphia, Pa. Safety device for automobile starters. 1,762,926; June 10.
- Littleway Process Company, The. (See Goddu, George, assignor.)
- Litty, Paul. (See Laetsch, J. P., and Litty.)
- Litzelberger, Karl, Hollis, N. Y. Permutation lock. 1,755,996; Apr. 22.
- Litzenberg, William R. (See Park, H., and Litzenberg.)
- Livensparger, Edward W., et al. (See Lockman, Christopher F., assignor.)
- Liverance & Van Antwerp. (See Hammers, William J., assignor.)
- Livermon, Carl R., Roxobel, N. C. Peanut-thrashing machine. 1,744,906; Jan. 28.
- Livermon, Carl R., Roxobel, N. C. Stripping-finger adjustment for thrashing machines. 1,749,040; Mar. 4.
- Livermon, Carl R., Roxobel, N. C. Stripper tooth for thrashing machines. 1,776,736; Sept. 23.
- Livemore, H. F., Co. (See Gowing, H. A., and Dodge, assignors.)
- Livemore, Kenneth C., Honeoye Falls, N. Y., assignor to Syracuse Chilled Plow Co., Inc. Two-way plow. Re-17,727; July 8.
- Livesay, Everett G., Dayton, Ohio. Lifting device. 1,759,651; May 20.
- Livesay, Robert C., assignor to Deere & Company, Moline, Ill. Scraper for harvester main wheels. 1,752,993; Apr. 1.
- Livesay, Robert C., assignor to Deere & Company, Moline, Ill. Harvester. 1,779,631; Oct. 28.
- Livingston, Lloyd, Peoria, Ill. Lubricator. 1,772,010; Aug. 5.
- Livingston Artificial Limb Co. (See Livingston, Jefferson, assignor.)
- Livingston, Frank S. (See Marshall, Frank M., assignor.)
- Livingston, Fremont P., Denver, Colo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake diaphragm. 1,765,376; June 24.
- Livingston, Fremont P., Denver, Colo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,776,288; Sept. 23.
- Livingston, Fremont P., Denver, Colo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle cock. 1,786,212; Dec. 23.
- Livingston, Jefferson, assignor to Livingston Artificial Limb Co. Inc., New York, N. Y., Artificial limb. 1,774,715; Sept. 2.
- Livingston, Sam E., Bloomington, Ill. Combination hanger. Des. 82,948; Dec. 30.
- Livingston, Stanley D., Freeport, assignor to A. A. Thomas, New York, N. Y. Electric thermostat. 1,745,856; Feb. 4.
- Livingstone, James, assignor of one-tenth to H. E. Stanley, Seattle, Wash. Air motor. 1,764,324; June 17.
- Liwschitz, Michael, Berlin-Charlottenberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Arrangement for introducing voltages into alternating-current circuits. 1,778,832; Oct. 21.
- Lizamore, John, Brandfort, Orange Free State, South Africa. Corn or mealie sheller. 1,770,792; July 15.
- Lizotte, Louis P., Holyoke, Mass. Cabinet. 1,758,843; May 13.
- Ljungdahl, Janne F., Stockholm, Sweden. Potato-setting machine. 1,781,986; Nov. 18.
- Ljungström, Fredrik, assignor to Aktiebolaget Ljungströms Ångturbin, Lidings-Brevik, Sweden. Reversing device for toothed gears, particularly in ships, locomotives, and the like, driven by steam turbines. 1,780,087; Oct. 28.
- Ljungström, Fredrik, Lidings-Brevik, and A. Lysholm, assignors to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Condenser plant for locomotives and similar vehicles. 1,748,516; Feb. 25.
- Llauro, Alfredo. (See Sinno, E., and Llauro.)
- Llauro, Eliseo. (See Sinno, E., and Llauro.)
- Llauro, Jaime A. (See Sinno, E., and Llauro.)
- Llewellyn, Frederick B. (See Englund, C. R., and Llewellyn.)
- Llewellyn, Frederick T. (See Edwards, J. H., Llewellyn, and Marble.)
- Llewellyn, Lee, and C. L. Kenney, Dormont, Pa. Conveying link construction. 1,771,411; July 29.
- Llorens, Louis M., Los Angeles, Calif., assignor to Automatic Word Counter, Inc. Typewriter word register. 1,749,079; Mar. 4.
- Lloyd, Arthur, assignor to Bakelite Limited, London, England. Manufacture of mica tubes and sheets. 1,784,737; Dec. 9.
- Lloyd, Frank W., Petaluma, Calif. Separator plate. 1,772,549; Aug. 12.
- Lloyd, John M. (See Wolfe, Ralph H., and M., assignors.)
- Lloyd, Richard L., assignor to Dwight & Lloyd Metallurgical Company, New York, N. Y. Manufacturing cellular aggregate. 1,746,860; Feb. 11.
- Lloyd, Stanley J. N., Guildford, England. Drying of photographic prints. 1,750,674; Mar. 18.
- Lloyd, Thomas H., Oakland, Calif. Vehicle brake tester. 1,742,477; Jan. 7.
- Lloyd, W. H. S. (See Gray, Edwin T., assignor.)
- Lloyd, W. H. S., Co. (See Haward, Eric A., assignor.)
- Ljungkull, Rolf. (See Mitchell, H. L., and Ljungkull.)
- Ljungström, Bertil A. (See Söhr, E., and Ljungström.)
- Ljungström, Fredrik, Lidings-Brevik, Sweden. Air preheater for locomotives. 1,762,445; June 10.
- Ljungström, Fredrik, assignor to Aktiebolaget Ljungströms Ångturbin, Lidings-Brevik, Sweden. Regenerative heat-transmission apparatus. 1,746,598; Feb. 11.
- Ljungström, Fredrik, Brevik, Lidings, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Regenerative air preheater. 1,762,446; June 10.
- Lobdell, Ralph V., Castle Hill, Iowa. Exterior humidifying and warming ventilator for incubators. 1,747,477; Feb. 18.
- Lobdell, Roy T., Newburgh, N. Y. Electric insulator. 1,785,816; Dec. 23.
- Lobel, Leon, New York, N. Y. Arch support. 1,746,002; Feb. 4.
- Lobelle, Marcel, assignor to C. R. Fairley, Hayes, England. Controlling device for aeroplanes and similar aircraft. 1,774,024; Aug. 26.
- Lobez, Pierre L., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston packing. 1,754,236; Apr. 15.
- Lobke, William, Brooklyn, N. Y. Art of printing. 1,753,932; Apr. 8.
- Lobley, Alfred G., Chapel-En-Le-Frith, assignor to Birmingham Electric Furnaces Limited, Birmingham, England. Closure operator for annealing furnaces and the like. 1,773,049; Aug. 12.
- Localized Advertising Corporation. (See Hartman, M., Ohmart, and Hawkinson, assignors.)
- Lochbaum, John A., Shyville, Ohio. Pitman head for mowers, binders, reapers, and the like. 1,769,441; July 1.
- Locher, Charles H., Hancock, Md., and J. P. Burt, Kearny, N. J.; said Burt assignor to Harnischfeger Corporation, Milwaukee, Wis. Trolley hoist. 1,767,467; June 24.
- Lochman, Emil R., Milwaukee, Wis., assignor to W. J. McMillan, Chicago, Ill. Eraser-cleaning machine. 1,770,935; July 22.
- Lochs, Theo. A., Company. (See Schwarzkopf, Arthur R., assignor.)
- Lock, Fred H., and W. H. Whitlow, South Richmond, assignors of one-third to G. E. Allen, Victoria, Va. Collapsible box. 1,769,378; July 1.
- Lock Joint Pipe Company. (See Mitchell, John C., assignor.)
- Lock Joint Window Company. (See Foresman, Harry B., assignor.)
- Lock, Ludwig. (See Hubert, E., Lock, and Leuchs.)
- Locke, Arthur A., Walkerville, Ontario, Canada, assignor to Wolverine Tube Company, Detroit, Mich. Integral finned tubing and manufacturing the same. 1,761,733; June 3.
- Locke & Company. (See Coppock, Kenneth E., assignor.)
- Locke & Co. (See Tasman, George, assignor.)
- Locke, Edward B., Dayton, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Scale. 1,742,819; Jan. 7.
- Locke, Edwin A., jr., Arlington, Mass., assignor to The Nevins Church Press, New York, N. Y. Box. 1,765,084; June 17.
- Locke, Emory A. (See Bergquist, Charles H., assignor.)
- Locke, Guyon, Quincy, Mass. Shirt-holding device. 1,773,538; Aug. 19.
- Locke Insulator Corporation. (See Hawley, Kent A., assignor.)
- Locke Insulator Corporation. (See Rowland, Davidge H., assignor.)
- Locke Insulator Corporation. (See Van Atta, Cloyd B., assignor.)
- Locke, James N., Long Beach, Calif. Removable thread for oil savers. 1,759,909; May 27.
- Locke, Sylvanus D., Bridgeport, Conn. Process and apparatus for making chain links. 1,773,738; Aug. 26.
- Locke, Sylvanus D., Bridgeport, Conn. Ash tray and receiver. 1,755,741; Apr. 22.
- Locke, William S., assignor of one-half to Portland Realty and Trust Co., Portland, Ore. Valve mechanism for flush tanks. 1,744,559; Jan. 21.
- Lockett, Harry E. (See Bany, H., and Lockett.)
- Lockett, Ralph G., Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Control means for motor-driven devices. 1,760,600; May 27.
- Lockhart, Andy J., North Birmingham, Ala. Ventilating curtain for mines. 1,778,979; Oct. 21.
- Lockhart, William K., Wilkinsburg, and T. J. O'Meara, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,771,577; July 29.
- Lockman, Christopher F., Lakewood, assignor of one-third to F. W. Watson, and one-third to E. W. Livensparger, Cleveland Heights, Ohio. Cushioning strip for sliding window panes. 1,770,539; July 15.
- Lockman, Emil R., Milwaukee, Wis. Electric tracer-control machine for diesinking and the like. 1,774,279; Aug. 26.
- Lockrow, Laurice L., Brooklyn, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,745,629; Feb. 4.
- Lockwood, Arthur G., French Lick, Ind. Ejecting device. 1,776,161; Sept. 16.
- Lockwood, Clifford G., Hamilton, Ohio. Razor-blade holder. 1,747,016; Feb. 11.
- Lockwood Lockwood Goldsmith & Galt, trustees. (See McWilliams, Homer, assignor.)

- Lockwood, Louis S., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Automatic musical instrument. 1,769,184; July 1.
- Lockwood Manufacturing Company. (See Chandonia, Elmer H., assignor.)
- Lockwood Manufacturing Company, The. (See Schultz, Fred, assignor.)
- Lockwood, Paul M., Irvington, N. J. Advertising device. 1,758,232; May 13.
- Lockwood's Clean Coal Process Limited. (See Berrisford, William H., assignor.)
- Locomotive Firebox Company. (See Nelson, Arthur W., assignor.)
- Locomotive Pulverized Fuel Company. (See Caracristi, Virginus Z., assignor.)
- Locori, Pietro, Pitelli, Italy. Projectile for antiaircraft fire. 1,744,233; Jan. 21.
- Lodding, Frederick W., assignor to Rice, Barton & Fales, Incorporated, Worcester, Mass. Slitter. 1,760,243; May 27.
- Lodding, Frederick W. (See Vedder, J. W., Lodding, and Lamoureux.)
- Lodge, Edmund G., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio receiving apparatus. 1,760,506; May 27.
- Lodge & Shipley Machine Tool Company, The. (See Cockburn, F. B., and Breitenbach, assignors.)
- Lödige, Wilhelm, Jr., near Paderborn, Germany. Pigsty for rearing pigs. 1,765,925; June 24.
- Loeb, Carl A. (See Korff, Arnold, assignor.)
- Loeb, Carolyn H., San Francisco, Calif. Crib sheet holder. 1,759,487; May 20.
- Loeb, Laurence F. (See Wreschner, M., and Loeb.)
- Loeb, Laurence M., New Rochelle, N. Y. Metal cabinet for housing electric light and power distribution panel boards. 1,748,234; Feb. 25.
- Loeb, Leo. (See Vallebuona, Julius C., assignor.)
- Loeb, Rudolf, Ventnor, N. J. Edge folding and securing means for sewing machines. 1,746,541; Feb. 11.
- Loeb, Siegmund, Berlin-Charlottenburg, Germany. Heater for automobiles. 1,753,897; Apr. 8.
- Loebe, Walther-Winfried, Waidmannslust, Berlin, W. Ledig, Berlin, and H. Asmussen, Charlottenburg, Berlin, Germany, assignors to General Electric Company. Basing machine for incandescent lamps and similar devices. 1,760,507; May 27.
- Loebe, Walther-Winfried, Waidmannslust, Berlin, W. Ledig, Berlin, and H. Asmussen, Charlottenburg, Berlin, Germany, assignors to General Electric Company. Bulb feeder for sealing-in machines. 1,783,806; Dec. 2.
- Loebell, Henry O., New York, N. Y., assignor to H. L. Doherty. Manufacture of combustible gas. 1,785,519; Dec. 16.
- Loeffel Lester H., assignor to The Berger Brothers Company, New Haven, Conn. Corset construction. 1,756,367; Apr. 29.
- Loeffler, Louis J., Stapleton, N. Y. Hand telephone. Des. 82,615; Nov. 25.
- Loeffler, Louis J., Stapleton, N. Y. Telephone. 1,749,593; Mar. 4.
- Loehr, Alexander L., Milwaukee, assignor of one-third to H. F. Stock, Waukesha, Wis. Dispensing machine. 1,755,699; Apr. 22.
- Loehr, Harry M., La Grange, assignor of one-fourth to F. H. Foster and one-fourth to G. H. Shank, Chicago, Ill. Arm rest for automobiles. 1,756,694; Apr. 29.
- Loehr, Leslie K., and W. E. Burdick, San Francisco, Calif., assignors, by mesne assignments, to The Startomatic Corporation. Electrical starting system for automobiles. 1,773,913; Aug. 26.
- Loehr, Oskar, Uerdingen-Niederrhein, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of soft and pliable masses from cellulose esters. 1,783,176; Dec. 2.
- Loehr, Oskar, Uerdingen, Niederrhein, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of alcohols. 1,787,205; Dec. 30.
- Loening Aeronautical Engineering Corporation. (See Loening, Grover, assignor.)
- Loening, Erich, Berlin-Wilmersdorf, Germany. Producing rotogravure mounting forms. 1,742,658; Jan. 7.
- Loening, Grover, New York, N. Y. Flying boat. Des. 82,331; Oct. 21.
- Loening, Grover, New York, N. Y. Retractable landing gear. 1,759,652; May 20.
- Loening, Grover, New York, N. Y., assignor to Loening Aeronautical Engineering Corporation. Retractable landing gear. 1,759,197; May 20.
- Loening, Grover, New York, N. Y., assignor to Loening Aeronautical Engineering Corporation. Seaplane or amphibian. 1,778,113; Oct. 14.
- Loepsinger, Albert J., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I. Supplying moisture to hygrometers, humidity regulators, and the like. 1,765,842; June 24.
- Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Sprinkler system. 1,773,272; Aug. 19.
- Loepsinger, Albert J., and I. W. Knight, assignors to General Fire Extinguisher Company, Providence, R. I. Adjusting unit for heating systems. 1,784,673; Dec. 9.
- Loesch, Hugo G. (See Bender, W. A., and Loesch.)
- Loesch, Hugo G., Rochester, assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Producing jellifying substances. 1,776,362; Sept. 23.
- Loeser, Edward O., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Gauging instrument. 1,749,980; Mar. 11.
- Loesser, Ernest, and E. W., Malba, N. Y., assignors, by mesne assignments, to New Diamond Polishing Tool Company of America, Inc. Dop-casting apparatus. 1,768,990; July 1.
- Loesser, Ernest W. (See Loesser, Ernest and E. W.)
- Loessin, Arthur, Berlin-Charlottenburg, Germany. Manufacturing ceramic materials, building elements, and the like, from mud. 1,751,163; Mar. 18.
- Loetscher, Emil C., Dubuque, Iowa. Manufacturing building material of varying densities. 1,780,623; Nov. 4.
- Loetscher, Emil C., Dubuque, Iowa. Pulp-filtering machine. 1,787,047; Dec. 30.
- Loewe, Siegmund, Berlin, Germany, assignor to Radio Corporation of America. Radio signaling system. 1,742,773; Jan. 7.
- Loewe, Siegmund, Berlin, Germany, assignor to Radio Corporation of America. Audio and high frequency amplifying tube. 1,744,653; Jan. 21.
- Loewe, Siegmund, Berlin, Friedenau, Germany, assignor to Radio Corporation of America. Unalterable ohmic resistance. 1,745,939; Feb. 4.
- Loewe, Siegmund, Berlin, Friedenau, Germany, assignor to Radio Corporation of America. Electric discharge tube. 1,748,386; Feb. 25.
- Loewe, Siegmund, Berlin, Germany, assignor to Radio Corporation of America. Electrical high-resistance unit. 1,751,587; Mar. 25.
- Loewe, Siegmund, Berlin, Germany, assignor to Radio Corporation of America. Wireless receiving set for compensating disturbances. 1,751,588; Mar. 25.
- Loewe, Siegmund, Berlin, Germany, assignor to Radio Corporation of America. Resistor and making same. 1,756,368; Apr. 29.
- Loewe, Siegmund, Berlin, Germany, assignor to Radio Corporation of America. Multiple-grid thermionic tube. 1,779,550; Oct. 28.
- Loewenstein, Hirsch, Karlsruhe in Baden, Germany. Recovering soluble beryllium compounds. 1,777,267; Sept. 30.
- Loewy, Raymond G. F., Jackson Heights, N. Y. Combined automobile body and hood. Des. 80,844; Apr. 1.
- Löf, Johan V., Stockholm, Sweden. Machine tool. 1,776,976; Sept. 30.
- Löffler, Stephan, Charlottenburg, near Berlin, Germany. Heating device for high-pressure steam generators. 1,746,158; Feb. 4.
- Löffler, Stephan, Berlin-Charlottenburg, Germany. Regulating the operation of steam generators. 1,770,489; July 15.
- Lofgren, Carl O. B., assignor to The Bryant Electric Company, Bridgeport, Conn. Locking device. 1,786,352; Dec. 23.
- Löfgren, Karl E. R. (See Fagerlund, E. A., and Löfgren.)
- Lofgren, John, assignor to Ralco Manufacturing Company, Chicago, Ill. Electric-current connection. 1,750,014; Mar. 11.
- Lofgren, Warner H., Oak Park, Ill. Shade attachment. 1,776,289; Sept. 23.
- Lofman, Charles, Los Angeles, Calif., assignors to Robertl Bros. Roll-around bed. 1,776,516; Sept. 23.
- Lofstrand, Albin P., Chicago, Ill. Amphibian mobile carrier. 1,777,698; Oct. 7.
- Loftin, Edward H., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Methods of and apparatus for operating electrical amplifiers. 1,763,401; June 10.
- Loftin, Edward H., Washington, D. C., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier of electrical currents. 1,784,160; Dec. 9.
- Loftin, Edward H., New York, N. Y. System of teledynamic control. 1,766,524; June 24.
- Loftis, Horace G. (See Copeland, Hiram B., assignor.)
- Loftus, Fred H., Aliquippa, and T. N. Kurtz, Pittsburgh, Pa. Checkerwork for furnaces. 1,752,494; Apr. 1.
- Lofy, George C., Springfield, assignor of one-fourth to W. F. Canavan and one-fourth to C. J. Maier, Decatur, Ill. Adjustable weather shield and antirattling device. 1,750,897; Mar. 18.
- Logan, Bert A. (See Doud, H. P., and Logan.)
- Logan, Charles W., Kenmore, N. Y. Electric lamp. Des. 80,962; Apr. 15.
- Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Brace for an electric-light fixture. Des. 81,802; Aug. 12.
- Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Body element for an electric-light fixture. Des. 81,803; Aug. 12.
- Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall bracket for electric lamps. Des. 82,167; Sept. 30.
- Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Body element for an electric light. Des. 82,168; Sept. 30.
- Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Body element for an electric-light fixture. Des. 82,169; Sept. 30.

- Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electrical heating unit. 1,748,958; Mar. 4.
- Logan, Collin M., assignor to Heller Brothers Company, Newark, N. J. File machine. 1,767,468; June 24.
- Logan, Eugene R., Liberty Hill, Tex. Collar fastener. 1,774,606; Sept. 2.
- Logan, Henry H., Chicago, Ill. Hose coupling. 1,761,352; June 3.
- Logan, J. A. (See Humason, Granville A., assignor.)
- Logan, Orren E., assignor of one-half to G. L. Barnes, Los Angeles, Calif. Device for securing outlet boxes to their hangers. 1,786,353; Dec. 23.
- Logan, Thomas J., Wapato, Wash. Water expeller. 1,767,385; June 24.
- Logan, Waldo H., et al. (See Hatfield, Frank A., assignor.)
- Logan, William B., De Quincy, La., assignor, by mesne assignments, to The Newport Company. Removing color from rosin. 1,782,267; Nov. 18.
- Logemann Brothers Company. (See Jacobson, H., and Kruse, assignors.)
- Logstadt, Richard, Berlin-Schoneberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y. Circuit breaker. 1,779,848; Oct. 28.
- Logue, Charles A. (See Lewin, G. S., and Logue.)
- Logue, Charles H., Syracuse, N. Y., assignor of one-half to C. O. Hersam, Philadelphia, Pa. Gear-testing machine. 1,753,014; Apr. 1.
- Logue, Paul. (See Booth, C. F., Gerber, and Logue.)
- Logue, Paul. (See Durgin, C. B., and Logue.)
- Logue, Paul. (See Durgin, C. B., Gerber, and Logue.)
- Logwood, Charles V., assignor to De Forest Radio Telephone & Telegraph Company, Jersey City, N. J. Frequency-changing method and means. 1,751,485; Mar. 25.
- Lohaus, Otto, assignor to Aktiengesellschaft Mix and Genest, Berlin-Schoneberg, Germany. Indicating current impulses. 1,786,666; Dec. 30.
- Lohman, Jefferson S., Scranton, Pa. Attachment for button-sewing machines. 1,786,354; Dec. 23.
- Lohman, John C., Detroit, Mich. Sprinkler head. 1,764,570; June 17.
- Lohman, Ralph W., Los Angeles, Calif. Method and apparatus for feeding gases or vapors. 1,786,626; Dec. 30.
- Lohmann, William H., Wilmington, Del., assignor to General Chemical Company, New York, N. Y. Digesting phosphate rock. 1,747,588; Feb. 18.
- Lohr, Paul. (See Berner, L., and Lohr.)
- Lohrenz, D. L. (See Miller, George W., assignor.)
- Lohrman, Thomas P., Detroit, Mich. Construction of closed vehicle bodies. 1,753,172; Apr. 1.
- Lohs, Karl, Aue-in-Sachsen, Germany. Pressing wheel naves and similar articles. 1,756,160; Apr. 29.
- Lohs, Max, Mataro, Spain, assignor to Seyfert & Donner, Chemnitz, Germany. Flat-knitting frame. 1,770,578; July 15.
- Lohs, Willy. (See Skawran, W., Steiner, and Lohs.)
- Loibl, Robert, Los Angeles, Calif. Vermin exterminator. 1,774,387; Aug. 26.
- Loitsch, Charles, New York, N. Y. Grand-piano body construction. 1,752,676; Apr. 1.
- Lokaford Company. (See Svenson, Sven, assignor.)
- Lolley, William H., New York, N. Y. Lifting jack. 1,780,265; Nov. 4.
- Lolley, William H., New York, N. Y. Lifting jack. 1,780,266; Nov. 4.
- Lomar, Louis L., Houston, Tex. Snubber. 1,759,266; May 20.
- Lomar, Louis L., assignor of forty-nine one-hundredths to The Houston Company, Houston, Tex. Shock absorber. 1,776,388; Sept. 23.
- Lomar, Louis L., assignor of forty-nine one hundredths to The Houston Company, Houston, Tex. Shock absorber. 1,784,529; Dec. 9.
- Lomax, Clarence E., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,744,396; Jan. 21.
- Lomax, Clarence E., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,747,478; Feb. 18.
- Lomax, Clarence E., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,750,934; Mar. 18.
- Lomax, Clarence E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,763,602; June 10.
- Lomax, Clarence E., Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Connector switch. 1,767,594; June 24.
- Lomax, Clarence E., Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Signaling system. 1,772,671; Aug. 12.
- Lomax, Clarence E., Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telegraph switching system. 1,774,716; Sept. 2.
- Lomax, Clarence E. (See Saunders, N. H., Lomax, and Riebe.)
- Lomax, Frank B., Chicago, Ill. Filter. 1,755,482; Apr. 22.
- Lomb, Carl F., executor. (See Kellner, G. A. H., and Rayton.)
- Lombard, Alvin O., Waterville, Me. Traction device. 1,774,835; Sept. 2.
- Lombard, Herbert W., et al. (See Hall, Charles S., assignor.)
- Lombard, Nathaniel, assignor, by mesne assignments, to W. D. White, trustee, Worcester, Mass. Washing and drying machine. 1,748,296; Feb. 25.
- Lombardi, Vincent, Brooklyn, N. Y. Knitting-machine needle. 1,767,595; June 24.
- Lombardini, Luigi, Turin, Italy. Visible card index. 1,745,262; Jan. 28.
- Lombardini, Luigi, Turin, Italy. Visible card file. 1,770,793; July 15.
- Lombardo, Peter, Brooklyn, N. Y. Carving machine for smoking pipes. 1,775,495; Sept. 9.
- Lommel, Wilhelm. (See Engelhardt, R., and Lommel.)
- Lommel, Wilhelm. (See Klingemann, F., Lommel, Korten, and Goost.)
- Lommel, Wilhelm, Wiesdorf-on-the-Rhine, H. Münzel, Leverkusen-on-the-Rhine, and W. Hentrich and M. Hardtmann, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Protecting materials against attack by moths. 1,748,675; Feb. 25.
- Lonaberger, Robert F., and C. F. Sands, Reading, Pa., assignors to L. A. Unger, trustee. Heavy-fuel vaporizer for internal-combustion engines. 1,746,122; Feb. 4.
- Lonas, Frank E., New York, N. Y. Sleeve-valve engine. 1,763,664; June 17.
- London, Aaron and J. Datlow, Brooklyn, N. Y. Nitrated fabric and making same. 1,769,702; July 1.
- London, Earl, Chapman Ranch, Tex., assignor to International Harvester Company. Traction wheel. 1,786,855; Dec. 30.
- London, Jacob M. (See Crawford, G. M., and London.)
- Loneragan, Simon J., assignor to Bastian-Morley Company, La Porte, Ind. Gas burner. 1,753,962; Apr. 8.
- Loneragan, Simon J., assignor to Bastian-Morley Co., La Porte, Ind. Casing or jacket and making same. 1,769,300; July 1.
- Loneragan, Simon J., assignor to Bastian-Morley Co., La Porte, Ind. Machine for making casings or jackets. 1,769,301; July 1.
- Long, Albert E., assignor to Stromberg Electric Company, Chicago, Ill. Ribbon-shift mechanism. 1,761,529; June 3.
- Long, Alfred C., Cadiz, Ohio. Wooden gutter. Des. 82,271; Oct. 14.
- Long, Allen T., Petersburg, Va. Trunk lock. 1,747,120; Feb. 11.
- Long, Allen T., Petersburg, Va. Lock. 1,747,121; Feb. 11.
- Long, Armistead R., Scarbro, W. Va. Temporary extension for mine railways. 1,784,367; Dec. 9.
- Long-Bell Lumber Company, The. (See Cone, Howard M., assignor.)
- Long-Bell Lumber Company, The. (See Kenyon, Earl, assignor.)
- Long, Bernard, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Glass and method of producing it. 1,749,823; Mar. 11.
- Long, Bernard, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny et Cirey, Paris, France. Glass. 1,776,562; Sept. 23.
- Long, Bernard, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Paris, France. Ultra-violet transmitting glass. 1,779,176; Oct. 21.
- Long, Daniel D., by decree of distribution to M. Long, Boise, Idaho. Pump. 1,751,703; Mar. 25.
- Long, Donald L., White Bear Lake, Minn. Distributor for fertilizer and the like. 1,778,424; Oct. 14.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 80,279; Jan. 7.
- Long, Dorothy, assignor to Franklin Simon & Company, New York, N. Y. Coat. Des. 80,280; Jan. 7.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 80,382; Jan. 21.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 80,383; Jan. 21.
- Long, Dorothy, assignor to Franklin Simon & Company, New York, N. Y. Coat. Des. 80,422; Jan. 28.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 80,574; Feb. 25.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 80,658; Mar. 4.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 80,659; Mar. 4.
- Long, Dorothy, assignor to Franklin Simon & Company, New York, N. Y. Dress. Des. 80,795; Mar. 25.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 80,796; Mar. 25.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 80,797; Mar. 25.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 80,798; Mar. 25.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 80,845; Apr. 1.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 80,846; Apr. 1.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 80,899; Apr. 8.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 80,900; Apr. 8.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 80,957; Apr. 15.

- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 80,958; Apr. 15.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 80,959; Apr. 15.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 80,960; Apr. 15.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 81,098; May 6.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 81,099; May 6.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Suit. Des. 81,100; May 6.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 81,139; May 13.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 81,251; May 27.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 81,394; June 17.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 81,395; June 17.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 81,493; July 1.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 81,494; July 1.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 81,495; July 1.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 81,496; July 1.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 81,545; July 8.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 81,589; July 15.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y., Ensembled suit. Des. 81,590; July 15.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 81,711; July 29.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 82,332; Oct. 21.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 82,382; Oct. 28.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 82,383; Oct. 28.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 82,384; Oct. 28.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 82,385; Oct. 28.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 82,386; Oct. 28.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 82,510; Nov. 11.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 82,569; Nov. 18.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 82,683; Dec. 2.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 82,840; Dec. 16.
- Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 82,841; Dec. 16.
- Long, Edgar J., Aspinwall, Pa. Stringed musical instrument. Des. 81,591; July 15.
- Long, Eli M., assignor to Shur-On Standard Optical Company, Incorporated, Geneva, N. Y. Lens grinding and polishing machine. 1,742,404; Jan. 7.
- Long, Everett N., jr. (See Renton, D. M., Long, and Murphy.)
- Long, Fred R., Catawissa, Pa. Combined chuck and brake mechanism. 1,758,844; May 13.
- Long, Geary A., jr., Baltimore, Md., assignor to General Electric Company. Photometric apparatus. 1,779,324; Oct. 21.
- Long, George A., assignor to The Long Security Lock Company, Hartford, Conn. Lock and key therefor. 1,765,280; June 17.
- Long, George A., assignor to The Long Security Lock Company, Hartford, Conn. Lock. 1,778,680; Oct. 14.
- Long, Herbert J., New Brunswick, N. J. Hot-water heater. Des. 80,799; Mar. 25.
- Long, James T., assignor of twenty-five and one-half per cent to B. D. Talley, Bogalusa, La. Crank shaft. 1,753,709; Apr. 8.
- Long, James W., North Plainfield, and E. J. Sortore, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Coupon-feed mechanism for telegraph printers. 1,770,888; July 15.
- Long, John E., Multnomah, Oreg. Electric-circuit-control apparatus. 1,750,615; Mar. 11.
- Long, John E., Multnomah, Oreg. Perforator. 1,757,914; May 6.
- Long, John E., Multnomah, Oreg. Switch control for auxiliary devices. 1,765,596; June 24.
- Long, John E., Multnomah, Oreg. Guiding device for circuit controllers. 1,770,579; July 15.
- Long, John L., and R. Owen, Madisonville, Ky. Pressure-arm attachment for bread-wrapping machines. 1,758,754; May 13.
- Long, John R., Los Angeles, Calif. Universal fire-hose nozzle. 1,779,177; Oct. 21.
- Long, Kenneth D., Centerville, Iowa. Timepiece. 1,760,760; May 27.
- Long, Leland E., and S. Whitworth, South Bend, Ind., assignors to Bendix Brake Company, Chicago, Ill. Manufacture of brake shoes. 1,762,694; June 10.
- Long, Louis F., St. Louis, Mo. Boat-salvaging device. 1,769,353; July 1.
- Long Manufacturing Company. (See Hawkins, Raymond L., assignor.)
- Long Manufacturing Company. (See Higgins, Harry A., assignor.)
- Long Manufacturing Company. (See Swank, Arthur L., assignor.)
- Long, Martha, by decree of distribution. (See Long, Daniel D.)
- Long, P. H. (See Hime, Clint T., assignor.)
- Long, Riley E., Clark, Va. Holder. 1,752,645; Apr. 1.
- Long Security Lock Company, The. (See Long, George A., assignor.)
- Long, Sidney L., Minneapolis, Minn. Toy. 1,774,280; Aug. 26.
- Long, Sylvanus W., assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,904; Aug. 26.
- Long, W. E., Co., The. (See Kussa, E., and Long, assignor.)
- Long, Walter M. (See Lemere, L. S., and Long.)
- Long, William E. (See Kussa, E., and Long.)
- Longbottom, Joseph. (See Garth, Longbottom, Burns, and Just.)
- Longenback, Edwin F., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Work-holder for grinding machines. 1,754,898; Apr. 15.
- Longenecker, Charles I., assignor to Chain Belt Company, Milwaukee, Wis. Multiple-cylinder reciprocating water pump. 1,751,413; Mar. 18.
- Longenecker, Charles I., assignor to Chain Belt Company, Milwaukee, Wis. Sawing machine. 1,762,023; June 3.
- Longenecker, Charles I., assignor to Chain Belt Company, Milwaukee, Wis. Diaphragm pump. 1,767,934; June 24.
- Longenecker, Charles I., assignor to Chain Belt Company, Milwaukee, Wis. Portable pump. 1,768,483; June 24.
- Longevin, Wilfred. (See Holt, G. J., and Longevin.)
- Longhi, Carlo, Milan, Italy. Treating organic substances in liquid state electrochemically. 1,744,173; Jan. 21.
- Longman, Cecil H. (See Cazel, C. E., and Longman.)
- Longnecker, Clyde G., Evanston, Ill. Double-breasted garment. Des. 82,570; Nov. 18.
- Longovoy, Boris N., Montclair, N. J., assignor to Ellis-Foster Company. Phthalic-urea resin and making same. 1,756,251; Apr. 29.
- Longovoy, Boris N., assignor to Ellis-Foster Company, Montclair, N. J. Synthetic product and making same. 1,756,252; Apr. 29.
- Longsign Corporation, The. (See Diffin, Frank G., assignor.)
- Longsign Corporation, The. (See Langner, Lawrence, assignor.)
- Longstreet, Fitz R., Gainesville, Ga. Aeroplane. 1,784,939; Dec. 16.
- Longtin, John S., et al. (See Biette, Henry C., assignor.)
- Longtin, Oscar E., Fresno, Calif. Brooder and heating means thereof. 1,771,412; July 29.
- Longyear, Philip O., Corona Del Mar, Calif. Position-indicating apparatus. 1,779,818; Oct. 28.
- Lonsdale, William, Roselle, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Heat exchanger. 1,759,582; May 20.
- Lonsdale, William, Roselle Park, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Making heat-exchanger tubes. 1,786,571; Dec. 30.
- Lontke, Robert, Leipzig-Stotteritz, Germany. Machine for coating sheets with bronze powder and the like. 1,772,318; Aug. 5.
- Lonza Elektrizitätswerke und Chemische Fabriken Aktien-gesellschaft. (See Lüscher, Emil, assignor.)
- Look, Carrol A., Huntington Park, Calif. Sirup dispenser. Des. 81,497; July 1.
- Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Air gun. 1,760,652; May 27.
- Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,763,714; June 17.
- Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,786,213; Dec. 23.
- Loomis, Daniel M. (See Loomis, Frederick O. W. and D. M.)
- Loomis, Frederick O. W. and D. M., Montreal, Quebec, Canada. Manufacturing bituminous road material. 1,769,442; July 1.
- Loomis, Harold S. (See McWhirter, W. C., and Loomis.)
- Loomis, Harold S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,774,982; Sept. 2.
- Loomis, Harold S., Wilkinsburg, and H. A. Thompson, Edgewood Borough, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,771,715; July 29.

- Loomis, John H., Ludington, assignor, by mesne assignments, to St. Joseph Iron Works, St. Joseph, Mich. Apparatus for assembling basket elements. 1,747,519; Feb. 18.
- Loomis Machine Company, The. (See Reynard, Jonah, assignor.)
- Loomis, Nathaniel E. (See Lewis, W. K., and Loomis.)
- Loomis, Nathaniel E., Westfield, N. J., assignor to Standard Oil Development Company. Treating oils with finely-divided solid material. 1,753,171; Apr. 1.
- Loomis, Nathaniel E., Westfield, N. J., assignor to Standard Oil Development Company. Continuous distillation. 1,756,032; Apr. 29.
- Loomis, Nathaniel E., Westfield, N. J., assignor to Standard Oil Development Company. Condensation of hydrocarbon vapors and apparatus therefor. 1,767,299; June 24.
- Loomis, Nathaniel E., Elizabeth, N. J., assignor to Standard Oil Development Company. Pressure distillation. 1,757,579; May 6.
- Loomis, Nathaniel E., Elizabeth, N. J., and W. K. Lewis, Cambridge, Mass., assignors to Standard Oil Development Company. Vacuum distillation and rectification of paraffin distillate. 1,746,198; Feb. 4.
- Loomis, Nathaniel E., A. H. Tomlinson, and F. A. Howard, Elizabeth, N. J., assignors to Standard Oil Development Company. Pyrolysis. 1,785,274; Dec. 16.
- Loomis, Oliver H., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,763,665; June 17.
- Loomis, Ralph L., Bedford, Mass. Intermittently-operating torque-transmitting mechanism. 1,742,918; Jan. 7.
- Loomis, Ralph L., Boston, Mass., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Apparatus for making fibrous material. 1,751,866; Mar. 25.
- Loomis, Walter A., Long Beach, Calif. Oil-recovery method and apparatus. 1,760,420; May 27.
- Loomis, Walter A., Long Beach, Calif. Dummy drill. 1,779,480; Oct. 28.
- Looney, John L., Winfield, Kans. Absorbent oil treater. 1,777,005; Sept. 30.
- Loos, William. (See Wappler, F. H., and Loos.)
- Loose, Eli E., Findlay, Ohio. Adjuster for osteopathic use. 1,759,514; May 20.
- Loosley, Henry R., East St. Louis, Ill. Beverage dispensing and cooling box. 1,750,675; Mar. 18.
- Lopez, David C., Chicago, Ill. Tapping machine. 1,778,265; Oct. 14.
- Lopez, Joaquin A., Habana, Cuba. Wrapping machine. 1,758,798; May 13.
- Lopez-Mantaras, Lucio, assignor of one-half to Sociedad Anonima Era, Madrid, Spain. Adaptation of different musical instruments being played with pianolas simultaneously. 1,742,551; Jan. 7.
- Lopez, Miguel, deceased, Santa Clara; E. Perez y Perez, executrix, assignor of one-third to M. Q. Lopez y Perez and two-thirds to E. Perez y Perez, Habana, Cuba. Strainer for cane mills. 1,763,795; June 17.
- Lopez, Octavio E. M., Caibarien, Cuba. Rerailing device. 1,755,510; Apr. 22.
- López-Osorio, Félix, Buenos Aires, Argentina. Convertible car body. 1,772,672; Aug. 12.
- López-Osorio, Felix, Buenos Aires, Argentina. Transformable motor-car body. 1,782,998; Nov. 25.
- Lopez y Perez, Mauricio Q., et al. (See Lopez, Miguel, assignor.)
- Lopez y Perez, Mauricio Q. (See Nalon, Thomas M., assignor.)
- López, Salvador H., Mexico, Mexico. Automatic safety device for steam boilers or generators. 1,746,123; Feb. 4.
- Lopin, Joseph H., New York, N. Y. Wearing-apparel-display device. 1,744,050; Jan. 21.
- Lorang, Henry J., assignor of one-half to F. J. Kuna, St. Louis, Mo. Metallic alloy. 1,753,748; Apr. 8.
- L'Orange, Prosper, Stuttgart, Germany. Fuel pump for internal-combustion engines. 1,778,158; Oct. 14.
- Lorber, Charles, Bloomfield, N. J. Key case with sliding hangers. 1,745,022; Jan. 28.
- Lorber, Charles, Bloomfield, N. J. Key case. 1,752,444; Apr. 1.
- Lorber, Charles, Louisville, Ky., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Lawn rake. 1,785,320; Dec. 16.
- Lord, Alfred J., Conshohocken, Pa. Plasterer's paddle. 1,768,411; June 24.
- Lord & Burnham Company. (See Roy, William, assignor.)
- Lord & Burnham Company. (See Terhune, Edwin W., assignor.)
- Lord, Devereux, Brooklyn, N. Y. Attachment for telephones. 1,762,998; June 10.
- Lord, Fred W., assignor to The Oakes Manufacturing Company, Tipton, Ind. Poultry feeder. 1,768,090; June 24.
- Lord, Hugh C., Erie, Pa. Joint. 1,748,486; Feb. 25.
- Lord, Hugh C., Erie, Pa. Bonding rubber and articles produced thereby. 1,749,824; Mar. 11.
- Lord, Hugh C., Erie, Pa. Joint mechanism. 1,778,197; Oct. 14.
- Lord, Hugh C., Erie, Pa. Vibration-dampening mounting. 1,778,503; Oct. 14.
- Lord, Robert, Culver City, assignor to Southwestern Engineering Company, Los Angeles, Calif. Pneumatic flotation machine. 1,743,926; Jan. 14.
- Lord, Robert, Culver City, assignor to Southwestern Engineering Company, Los Angeles, Calif. Mineral flotation apparatus. 1,761,136; June 3.
- Lordly, Leonard C., Elmhurst, N. Y. Textile paint. 1,755,658; Apr. 22.
- Lorentz, Valentin, assignor to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Process and apparatus for preparing raw tobacco. 1,753,573; Apr. 8.
- Lorentz, Valentin, assignor to United Cigarette Machine Company, A. G., Dresden, Germany. Dust collector. 1,771,852; July 29.
- Lorentz, Valentin, assignor to United Cigarette Machine Company A.-G., Dresden, Germany. Apparatus for loosening and removing dust from tobacco. 1,775,907; Sept. 16.
- Lorentz, Valentin, assignor to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Process and device for improving cigarettes. 1,784,296; Dec. 9.
- Lorentzen, Edward C., Scranton, Iowa. Feeding trough and making same. 1,779,178; Oct. 21.
- Lorentzen, Hans K., New York, N. Y. Dispensing device for flexible sheet articles. 1,754,957; Apr. 15.
- Lorentzen, Hans K., New York, N. Y. Duplicator. 1,760,152; May 27.
- Lorenz, Adolph G., Little Rock, Ark. Card holder. 1,767,993; June 24.
- Lorenz-Aktiengesellschaft, C. (See Bock, W., and Rath, assignors.)
- Lorenz, C., Aktiengesellschaft. (See Gerth, Felix, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Grimsen, Gerhard, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Hahnemann, Walter, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Helmert, R., and Johannesson, assignors.)
- Lorenz, C., Aktiengesellschaft. (See Kagelmann, M., and Eulenhöfer, assignors.)
- Lorenz, C., Aktiengesellschaft. (See Kemlein, Richard, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Korn, Arthur, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Lauterer, Anton, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Scheppmann, Wilhelm, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Scheppmann, W., and Eulenhöfer, assignors.)
- Lorenz, C., Aktiengesellschaft. (See Schmidt, Karl, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Schmidt, K., and Hahnemann, assignors.)
- Lorenz, Charles F., East Orange, N. J., assignor to Westinghouse Lamp Company. Contact-resistance lamp. 1,749,772; Mar. 11.
- Lorenz, Curt, and E. Boecher, Pittsfield, Mass. Stocking protector. 1,785,033; Dec. 16.
- Lorenz, Edward H. (See Hiller, E. O., and Lorenz.)
- Lorenz, Edward H., West Harford, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Ware-transferring apparatus. 1,744,128; Jan. 21.
- Lorenzen, Edward, Marshalltown, Iowa. Grain huller. 1,774,717; Sept. 2.
- Lorenzen, Thomas C., Savage, Mont., assignor to The Cuthbert Co., Minneapolis, Minn. Truck attachment for sleds. 1,744,654; Jan. 21.
- Lorig, Robert A., assignor to Burgess Battery Company, Madison, Wis. Hand lamp. 1,763,898; June 17.
- Lorig, Robert A., Madison, Wis., assignor to Burgess Battery Company. Apparatus for making dry cells. 1,766,661; June 24.
- Lorimer, George W., Troy, assignor of one-half to Bingham-Lorimer Manufacturing Company, Troy, Ohio, and one-half to D. E. Bonner, New York, N. Y. Automatic headlight dimmer. 1,774,101; Aug. 26.
- Lorincz, Joseph. (See Kubik, John, assignor.)
- Loring, Benjamin C., New York, N. Y., assignor to R. C. Loring, Detroit, Mich. Identifying attachment for motor vehicles. 1,765,843; June 24.
- Loring, Caleb. (See Nelson, Charles S., assignor.)
- Loring, Joseph B. (See Moore, W. D., Loring and Bowers.)
- Loring, Rosana C. (See Loring, Benjamin C., assignor.)
- Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Unloading article carriers. 1,753,933; Apr. 8.
- Lormüller, Bernhard, assignor of one-half to the Firm W. A. Wetterwald & Co., Zurich, Switzerland. Braking system for vehicles. 1,774,836; Sept. 2.
- Lorraine, David G., et al. (See Tibbetts, Robert M., assignor.)
- Lorraine Metal Manufacturing Company. (See Kovats, John, assignor.)
- Los Angeles First National Trust and Savings Bank, Guardian. (See Mooney, Ernest S.)
- Los Angeles Rubber Stamp Co. (See Wilkinson, Owen T., assignor.)
- Los Angeles Spring Bed Company. (See Gall, Charles H., assignor.)
- Los Angeles Testing Laboratory. (See Howe, Charles S., assignor.)

- Los Angeles Wall Bed Company. (See Cocks, Edgar, assignor.)
- Lösch, Albert, Hamburg, Germany. Double-pin holdfast. 1,784,843; Dec. 16.
- Losey, Arthur, Bayshore, assignor to Sand Spun Patents Corporation, New York, N. Y. Method of and flask for facilitating solidification of metal centrifugally cast against a refractory lining. 1,777,979; Oct. 7.
- Losey, John B., and W. R. Stone, Syracuse, N. Y. Apparatus for making rubber composition, flooring, and siding. 1,775,646; Sept. 16.
- Losey, North H., Akron, Ohio. Vacuum cleaner. 1,757,461; May 6.
- Losey, North H., Akron, Ohio. Vacuum-sweeper construction. 1,769,522; July 1.
- Losey, North H., Akron, Ohio. Suction cleaner. 1,769,523; July 1.
- Loth, William A., assignor to Societe Industrielle des Procédés W. A. Loth, Paris, France. Aerodrome. 1,753,574; Apr. 8.
- Loth, William A., assignor to Societe Industrielle des Procédés W. A. Loth, Paris, France. Annuling the effect of stray fields on radio receiving systems. 1,753,610; Apr. 8.
- Lott, Hermann H., Webster Groves, Mo. Jewelry bracelet. 1,767,596; June 24.
- Lotte, Charles H., Massillon, assignor to Byers Machine Company, Ravenna, Ohio. Power steering machine. 1,761,267; June 3.
- Lotter, Adolph G., assignor, by mesne assignments, to Stationers Loose Leaf Co., Milwaukee, Wis. Loose-leaf binder. 1,743,718; Jan. 14.
- Lotter, Adolph G., assignor, by mesne assignments, to Stationers Loose Leaf Co., Milwaukee, Wis. Flexible post for loose-leaf binders. 1,744,274; Jan. 21.
- Lotter, Adolph G., assignor to Stationers Loose Leaf Company, Milwaukee, Wis. Loose-leaf binder. 1,744,275; Jan. 21.
- Lotter, Adolph G., assignor to H. C. Miller Company, Milwaukee, Wis. Loose-leaf binder. 1,774,281; Aug. 26.
- Lotter, Adolph G., assignor to Stationers Loose Leaf Co., Milwaukee, Wis. Loose-leaf binder. 1,744,282; Aug. 26.
- Lotter, Adolph G., assignor to Stationers Loose Leaf Co., Milwaukee, Wis. Loose-leaf binder. 1,751,553; Mar. 25.
- Lotter, Adolph G., assignor, by mesne assignments, to Stationers Loose Leaf Co., Milwaukee, Wis. Loose-leaf binder. 1,751,589; Mar. 25.
- Lotter, Adolph G., assignor to Stationers Loose Leaf Co., Milwaukee, Wis. Loose-leaf binder. 1,758,327; May 13.
- Lotter, Adolph G., assignor, by mesne assignments, to Stationers Loose Leaf Co., Milwaukee, Wis. Loose-leaf binder. 1,777,006; Sept. 30.
- Lotts, William H., River Forest, assignor to The Overland Construction Company, Chicago, Ill. Apparatus for erecting columns on steel structures. 1,768,484; June 24.
- Lotz, Alfred F. C., assignor to Electrical Engineers Equipment Co., Chicago, Ill. Adjustable terminal mounting. 1,766,220; June 24.
- Lotz, Joseph, Euclid, assignor of one-half to P. Becker, Jr., Cleveland, Ohio. Jar-cover remover and fastener. 1,752,189; Mar. 25.
- Loubet, Henri R., Paris, assignor to Compagnie pour la Fabrication des Compteurs et Materiel D'Usines à Gaz, Montrouge, Seine, France. Circuit-protecting device. 1,774,933; Sept. 2.
- Loucks, Albert H. (See Mitchell, W., and Loucks.)
- Loucks, James F., Cleveland, Ohio, assignor to Detroit Steel Products Company, Detroit, Mich. Building-construction unit. 1,733,248; Dec. 2.
- Loucks, James F., Cleveland, Ohio, assignor to Detroit Steel Products Company, Detroit, Mich. Sheet-metal building construction. 1,784,368; Dec. 9.
- Louden Machinery Company, The. (See Berthold, L. F., and Louden, assignors.)
- Louden Machinery Company, The. (See Hassler, Paul M., assignor.)
- Louden Machinery Company, The. (See Johnson, Albert C., assignor.)
- Louden Machinery Company, The. (See Louden, William, assignor.)
- Louden Machinery Company, The. (See Louden, W., and Neller, assignors.)
- Louden Machinery Company, The. (See Marsh, C. A., Strahan, and Neller, assignors.)
- Louden, William. (See Berthold, L. F., and Louden.)
- Louden, William, Fairfield, Iowa, assignor to The Louden Machinery Company. Water bowl for animal stalls. 1,744,007; Jan. 14.
- Louden, William, assignor to The Louden Machinery Company, Fairfield, Iowa. Metallic angle bar. 1,761,137; June 3.
- Louden, William, and A. H. Neller, assignors to The Louden Machinery Company, Fairfield, Iowa. Animal water bowl. 1,743,719; Jan. 14.
- Loudenslager, Henry, and W. J. Loudenslager, Columbus, Ohio. Molding apparatus for sash weights. 1,772,463; Aug. 12.
- Loudenslager, Walter J. (See Loudenslager, Henry and W. J.)
- Loudenslager, William B. (See Smith, Samuel H., assignor.)
- Loudenslager, William B., Atlantic City, N. J. Nipple for vitreous floats. 1,774,799; Sept. 2.
- Loudy, Flavius E. (See Mellick, R. J., and Loudy.)
- Loughead, Malcolm, assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 1,755,829; Apr. 22.
- Loughead, Malcolm, assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 1,755,830; Apr. 22.
- Loughead, Malcolm, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Brake Company, Los Angeles, Calif. Hydraulic brake. 1,764,176; June 17.
- Loughead, Malcolm, assignor to Hydraulic Brake Company, Detroit, Mich. Braking apparatus for motor vehicles. 1,764,177; June 17.
- Loughead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Multicylinder hydraulic brake. 1,764,178; June 17.
- Loughead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Hydraulic brake mechanism. 1,764,179; June 17.
- Loughead, Malcolm, assignor to Hydraulic Brake Company, Detroit, Mich. High-pressure hose. 1,774,983; Sept. 2.
- Loughead, Malcolm, assignor to Hydraulic Brake Company, Detroit, Mich. Process and apparatus for constructing nonexpansible hose. 1,774,984; Sept. 2.
- Loughead, Malcolm, assignor to Hydraulic Brake Company, Detroit, Mich. Adjustable brake-shoe stop. 1,774,985; Sept. 2.
- Loughead, Malcolm, and E. F. Lowe, assignors to Hydraulic Brake Company, Detroit, Mich. Presure mechanism for brake systems. 1,758,671; May 13.
- Loughlin, William D. (See Snow, H. A., and Loughlin.)
- Loughridge, Matthew H., trustee. (See Holliday, John S., assignor.)
- Loughridge, Matthew H., trustee. (See Loughridge, M. H., and Holliday, assignors.)
- Loughridge, Matthew H., Bogota, N. J. System of automatic train control. 1,775,169; Sept. 9.
- Loughridge, Matthew H., Bogota, N. J. Railway-traffic-controlling system and apparatus. 1,778,328; Oct. 14.
- Loughridge, Matthew H., Bogota, N. J., and J. S. Holliday, deceased, New York, N. Y.; J. M. Holliday, administratrix, assignor to M. H. Loughridge, trustee, Bogota, N. J. Train-control and cab signal system. 1,755,447; Apr. 22.
- Loughridge, Matthew H., Bogota, N. J., and J. S. Holliday, deceased, New York, N. Y.; J. M. Holliday, administratrix, Wilkesburg, Pa. Radioantenna. 1,779,437; Oct. 28.
- Lougovoy, Boris N., Montclair, N. J. White resin and making same. 1,779,551; Oct. 28.
- Lougovoy, Boris N., assignor to Ellis-Foster Company, Montclair, N. J. Floor rug and making same. 1,784,505; Dec. 9.
- Louis, Martin, Kiel, assignor to Fried. Krupp Germania-werft Aktiengesellschaft, Kiel-Gaarden, Germany. Fuel atomizer for Diesel engines with air supply. 1,776,812; Sept. 30.
- Louis, Terrence G. (See Brown, P., and Louis.)
- Louis, Terrence G., Springfield, assignor to Wico Electric Company, West Springfield, Mass. Magneto. 1,763,098; June 10.
- Louis, Walter, Chicago, Ill. Boiler-house smoke-disposal process. 1,779,232; Oct. 21.
- Louisiana Oil Refining Corporation. (See McConnell, John J., assignor.)
- Louisville Drying Machinery Co. (See Lissauer, Adolph W., assignor.)
- Louisville Drying Machinery Co. (See Vermilye, Sherwood, assignor.)
- Louisville Electric Manufacturing Company, The. (See Flanagan, James J., assignor.)
- Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,743,042; Jan. 7.
- Loutz, Georges, assignor, by mesne assignments, to Thelma Carburetor Company Societe Anonyme, Brussels, Belgium. Carburetor for internal-combustion engines. 1,778,904; Oct. 21.
- Love, Francis B., and B. H. Smith, assignors to The Autocall Company, Shelby, Ohio. Combination fire alarm and watchman's recording box. 1,784,530; Dec. 9.
- Love, James, Jr., assignor of one-half to T. Powell, Wilkes-Barre, Pa. Sieve-operating mechanism. 1,759,653; May 20.
- Love, Robert, Estate, Limited. (See Corbett, John A., assignor.)
- Love, Thomas, Trinidad, Colo., assignor of one-third to R. Lintz and one-third to H. S. Cahill, Trinidad, Colo. Double-coil superheater for stationary boilers. 1,775,962; Sept. 16.
- Love, William J., Jr., Piqua, assignor of one-fifth to R. W. Carnahan, Dayton, Ohio. Recording time and period values. 1,752,564; Apr. 1.
- Lovejoy, Andrew W., Kansas City, Mo. Window screen. 1,758,955; May 20.
- Lovejoy, Dimmitt R., assignor to U. S. E. M. Company, New York, N. Y. Electrical relay. 1,747,309; Feb. 18.
- Lovejoy, Ralph M., Boston, Mass. Shock absorber. 1,759,123; May 20.
- Lovejoy, Ralph M., Boston, Mass. Braking mechanism for vehicles. 1,780,023; Oct. 28.
- Lovekin, Luther D., Wynnewood, Pa. Temperature-controlled relief valve for domestic hot-water tanks. 1,744,977; Jan. 28.
- Lovekin, Luther D., Ardmore, Pa. Pilot-controlled valve. 1,747,589; Feb. 18.

- Lovekin, Luther D., Wynnewood, Pa. Automatic gas-shut-off valve. 1,752,677; Apr. 1.
- Lovekin, Luther D., Wynnewood, Pa. Emergency-gas-shut-off fire valve. 1,771,716; July 29.
- Lovekin, Luther D., Wynnewood, Pa. Fusible-plug water release. 1,773,401; Aug. 19.
- Lovekin, Luther D., Wynnewood, Pa. Lock joint. 1,784,492; Dec. 9.
- Lovekin, Luther D., Ardmore, assignor to Kitson Company, Philadelphia, Pa. Emergency cartridge-type shut-off valve. 1,782,760; Nov. 25.
- Loveland, Harold A., Honolulu, Hawaii. Sandpapering machine. 1,749,709; Mar. 4.
- Lovell, Clarence V., assignor to The Reynolds Spring Company, Jackson, Mich. Welt lock for spring constructions. 1,764,878; June 17.
- Lovell Manufacturing Company. (See Schuda, Ernest J., assignor.)
- Lovell Manufacturing Company. (See Thompson, Horace W., assignor.)
- Lovell, Nolan C., Birmingham, Ala. Switch-operating apparatus. 1,756,369; Apr. 29.
- Lovell, Stanley P., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Box-toe-conditioning machine. 1,766,442; June 24.
- Lovell, William E., Winnipeg, Manitoba, Canada. Fountain-pen holder. 1,742,659; Jan. 7.
- Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Fixture for holding ring gears. 1,764,026; June 17.
- Lovercheck, Charles L. (See Costuma, J. A., Bauer, and Lovercheck.)
- Loveridge, Gilbert T. (See Knowland, R. G., and Loveridge.)
- Lovering, Everett W., and W. B. Van Arsdell, assignor to Brown Company, Berlin, N. H. Waterproof fiber article and manufacturing the same. 1,751,935; Mar. 25.
- Lovett, Charles H., assignor to The Cook Pottery Company, Trenton, N. J. Bracket for bathrooms. Des. 82,571; Nov. 18.
- Low, Charles L. (See Graham, L. A., and Low.)
- Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Duplex disk distributor for cylinder printing presses. 1,748,358; Feb. 25.
- Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Paper feeding and elevating mechanism for printing presses. 1,762,661; June 10.
- Low, Frank S., et al. (See Low, Frank S., assignor.)
- Low, Frank S., Niagara Falls, N. Y., assignor to Westvaco Chlorine Products, Inc., New York, N. Y. Manufacture of chlorine. 1,746,542; Feb. 11.
- Low, Frank S., Niagara Falls, N. Y., assignor, by mesne assignments, to the said Low, and A. W. Berresford, Detroit, Mich. Tanning composition and method of producing same, etc. 1,764,516; June 17.
- Low, Frank S., Niagara Falls, N. Y., assignor, by mesne assignments, to the said Low, and A. W. Berresford, Detroit, Mich. Tanning. 1,764,517; June 17.
- Low Temperature Carbonisation Limited. (See Parker, Charles H., assignor.)
- Low, Theodore H. (See Tanner, Arnold J., assignor.)
- Low, Wilson H., Long Beach, assignor, by mesne assignments, to Richfield Oil Company of California, Los Angeles, Calif. Purifying hydrocarbons. 1,777,619; Oct. 7.
- Lowd, Harry D., Nashua, N. H. Card-counting machine. 1,755,884; Apr. 22.
- Lowe, Asa E., Seattle, Wash. Pulverized-fertilizer nozzle spray. 1,751,283; Mar. 18.
- Lowe, Charles, Bloomsbury, N. J. Deckle. 1,746,434; Feb. 11.
- Lowe, Charles B., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich. Door handle. 1,779,438; Oct. 28.
- Lowe, Ernest G., Hartford, Ill. Mechanism for stretching and drying hides and leather. 1,782,097; Nov. 18.
- Lowe, Henry, Tecumseh, Ontario, Canada. Liquid-reserve device. 1,759,861; May 27.
- Lowe, James, Auckland, New Zealand. Valve-operating mechanism for water-gas plants. 1,753,274; Apr. 8.
- Lowe, James T. (See Gordon, C. S., and Lowe.)
- Lowe, Joseph N. (See Droutman, Abraham, assignor.)
- Lowe, Joseph N., New York, N. Y. Hand bag. 1,751,936; Mar. 25.
- Lowe, Joseph N., New York, N. Y. Hand bag. 1,755,548; Apr. 22.
- Lowc, Reginald D., Ashland, Ky. Generator control. 1,771,798; July 29.
- Lowe, Russell E., assignor to Doherty Research Company, New York, N. Y. Surface protection for magnesium alloys. 1,765,341; June 17.
- Lowe, Sherwin P. (See Phelan, R. E., and Lowe.)
- Lowe, Thomas W., Winnipeg, Manitoba, Canada. Fusible plug device. 1,779,098; Oct. 21.
- Loweke, Erwin F. (See Loughhead, N., and Loweke.)
- Lowell Machine Company. (See Reynolds, Frank A., assignor.)
- Lowell Machine Company. (See Reynolds, F. A., and Turcotte, assignors.)
- Lowell, Percival D. (See Harmon, Herbert F., assignor.)
- Lowell, Percival D. (See Vollten, Theodore F., assignor.)
- Loyen, Charles G., assignor to E. T. Pearson & Co. Limited, London, England. Positioning and holding sensitized paper on to the exposing table or board of an enlarging and reducing photographic camera. 1,745,900; Feb. 4.
- Lowenbaum, R., Mfg. Co. (See Lowenbaum, Ralph, assignor.)
- Lowenbaum, Ralph, assignor to R. Lowenbaum Mfg. Co., St. Louis, Mo. Woman's combination or convertible garment. 1,784,369; Dec. 9.
- Lowenfeld, Margaret F. J., London, England. Bust support. 1,771,262; July 22.
- Lowenstein, Gothard, Brooklyn, N. Y. Handling and storing motor vehicles. 1,783,296; Dec. 2.
- Lowenstein, Gothard, Brooklyn, N. Y. Handling vehicles in garages. 1,785,034; Dec. 16.
- Lowenstein, Herman H., assignor to Regensteiner Corporation, Chicago, Ill. Entertaining novelty. 1,777,729; Oct. 7.
- Löwenstein, Hirsch, Karlsruhe, Germany. Working on beryllium sublimates containing sulphur and aluminum with a view to obtaining beryllium compounds. 1,777,122; Sept. 30.
- Lowenstein, M., & Sons, Inc. (See Isaacs, Edgar B., assignor.)
- Lowenthal, Arthur M., Rochester, N. Y., assignor to Max Lowenthal & Sons. Knitted sweater. 1,781,647; Nov. 11.
- Lowenthal, Max, & Sons. (See Lowenthal, Arthur M., assignor.)
- Löwenthal & Weissberger, G. m. b. H. (See Projahn, Karl F., assignor.)
- Lower, Melvin S., Barberton, Ohio, assignor to The Sun Rubber Company. Tray. 1,753,611; Apr. 8.
- Lower, Nathan M. (See Ketspel, P. A., and Lower.)
- Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,774,518; Sept. 2.
- Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,779,609; Oct. 28.
- Lower, Nathan M., Pittsburgh, Pa., assignor by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Heating unit for locomotive tenders. 1,785,275; Dec. 16.
- Lower, Nathan M., Bellevue, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Steam engine. 1,779,608; Oct. 28.
- Lower, Nathan M., A. R. Chalker and R. L. McCurdy, Pittsburgh, Pa., assignors, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,771,799; July 29.
- Lower, Nathan M., D. F. Crawford, and E. A. Turner, Pittsburgh, Pa., assignors, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Inside-feed stoker. 1,757,581; May 6.
- Lower, Nathan M., A. K. Kusebauch, and A. R. Chalker, Pittsburgh, Pa., assignors, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Stoker. 1,774,519; Sept. 2.
- Lower, Nathan M., L. E. Osborne, and E. A. Turner, Pittsburgh, Pa., assignors, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Inside-feed stoker. 1,757,580; May 6.
- Lower, Nathan M., and E. A. Turner, Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,749,041; Mar. 4.
- Lowery, Hugh, Alton, Ill., assignor to Standard Oil Company, Whiting, Ind. Revivifying fuller's earth and other filtering clays. 1,763,167; June 10.
- Lowes, Ernest W., Harley, Ontario, Canada. Doorknob. 1,762,447; June 10.
- Lowman, Charles L., Los Angeles, Calif. Tilted balance board for gymnasium use. 1,747,721; Feb. 18.
- Lowndes, Arthur, Toronto, Ontario, Canada. Centrifugal clutch. 1,745,681; Feb. 4.
- Lowndes, Richard H., assignor to Atlantic Steel Company, Atlanta, Ga. Fence. 1,743,064; Jan. 7.
- Lowry, Charles. (See Barnes, Harold S., assignor.)
- Lowry, George A., assignor to Fabricord, Inc., New York, N. Y. Machine for obtaining the fibers from fibrous plants. 1,749,540; Mar. 4.
- Lowry, Thomas K., Chicago, Ill. Method and apparatus for producing solidified globules from liquid gelatinous substances. 1,746,543; Feb. 11.
- Lowry, Wallace L., assignor to Airway Revolving Sign Company, Johnson City, Tenn. Sign. 1,775,043; Sept. 2.
- Lowy, Julia. (See Bauer, Sigmund, assignor.)
- Löwy, Ludwig, Dusseldorf, Germany. Roller conveyer. 1,743,223; Jan. 14.
- Löwy, Ludwig, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Mandrel moving and cooling apparatus. 1,764,736; June 17.
- Lowy, Regina, administratrix. (See Bauer, Sigmund.)
- Lowy, William, Bronx, and J. Gitlitz, New York, N. Y. Radiocabinet or similar article. Des. 81,658; July 22.
- Lox Seal Corporation, The. (See Behrman, Marcus B., assignor.)
- Lox Seal Corporation, The. (See Dalkowitz, Godfrey, assignor.)
- Lox Seal Corporation, The. (See Kondolf, Henry E., assignor.)
- L'Oxydrique Francalse. (See Lefebvre, Fernand E., assignor.)
- Loy, George S., Paris, France. Process of and self regulating plant for the mechanical preparation of pulverized solid fuels and like materials. 1,774,487; Aug. 26.

- Loy, James W., Long Beach, Calif. Buoyant bathing appliance. 1,758,289; May 13.
- Loy, Walter W., Saskatoon, Saskatchewan, Canada, and E. J. Crum, Kalispell, Mont. Building construction. 1,754,026; Apr. 8.
- Loyd, William C., Gary, Ind., and H. G. McIlvried, McCandless Township, Allegheny County, Pa., assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Rolling-mill guide. 1,746,483; Feb. 11.
- Loydi, Jose M. (See Canut, B., and Loydi.)
- Loye, Donald P., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telegraph system. 1,749,825; Mar. 11.
- Lubach, Walter, Berlin, Germany. Electric hygrometer. 1,749,826; Mar. 11.
- Lubberger, Fritz, Berlin-Schmargendorf, and M. Langer, Hermsdorf, near Berlin, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,750,848; Mar. 18.
- Lubberhuizen, Jan W. (See Hensing, J. C., and Lubberhuizen.)
- Lübcke, Ernst, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Vapor-discharge tube. 1,746,484; Feb. 11.
- Lübcke, Ernst, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Thermionic tube. 1,771,717; July 29.
- Lubeck, Carl H. O., Stockholm, Sweden. Electric accumulator. 1,785,202; Dec. 16.
- Lubecker Maschinenbau-Gesellschaft. (See Fischer, Hinko, assignor.)
- Lubecker Maschinenbau-Gesellschaft. (See Zickerow, K., and C. Warnatz, assignors.)
- Lubliner, Daniel. (See Dunn, Joseph W., assignor.)
- Lubowsky, Simon J., Brooklyn, N. Y., assignor to Metal & Thermit Corporation, Carteret, N. J. Bonding refractories. 1,774,607; Sept. 2.
- Lubrequipment Company. (See Cornell, Mead, assignor.)
- Lucarelle, Joseph M., assignor to Dictaphone Corporation, Bridgeport, Conn. Hearing tube. 1,775,204; Sept. 9.
- Lucarelle, Joseph M., Bridgeport, and J. E. Renholdt, Stratford, assignors to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,759,054; May 20.
- Lucas, Eugene, Babylon, N. Y. System of heating, drying, or cooling buildings. 1,745,765; Feb. 4.
- Lucas, Eugene, Babylon, N. Y. Pipe. 1,756,695; Apr. 29.
- Lucas, Harry W., Holbrook, Mass., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Hinge last. 1,783,658; Dec. 2.
- Lucas, John T., Minneapolis, Minn., assignor to American Meter Company, Incorporated, New York, N. Y. Meter-testing apparatus. 1,751,554; Mar. 25.
- Lucas, John, and Company. (See Kleinpell, Walter H., assignor.)
- Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Beater mechanism for looms. 1,747,722; Feb. 18.
- Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Automatic take-off motion for weaving machines. 1,749,349; Mar. 4.
- Lucas, Jonathan, Savannah, Ga., and A. F. Case, Cleveland, Ohio, assignors to Lucas-Lamborn Loom Corporation, New York, N. Y. Shuttle mechanism for looms. 1,745,497; Feb. 4.
- Lucas, Joseph R., Montebello, Calif. Tong-actuating device for well-drilling rigs. 1,765,492; June 24.
- Lucas, Joseph R., Bakersfield, Calif. Tension-indicating device. 1,768,991; July 1.
- Lucas-Lamborn Loom Corporation. (See Lucas, Jonathan, assignor.)
- Lucas-Lamborn Loom Corporation. (See Lucas, J., and Case, assignors.)
- Lucas, Samuel M., Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling track-circuit regulator. 1,750,233; Mar. 11.
- Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,770,705; July 15.
- Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling track-circuit regulator. 1,776,684; Sept. 23.
- Lucas, Walter S., Chicago, Ill. Window seat. 1,748,845; Feb. 25.
- Luce, Claude E. (See Shott, C. F., Luce, and Johnson.)
- Luce, Grafton E., Chicago, Ill., assignor to Lancaster Iron Works, Inc., Lancaster, Pa. Brick edger. 1,746,664; Feb. 11.
- Luce, Grafton E., Chicago, Ill., assignor to Lancaster Iron Works, Inc., Lancaster, Pa. Brick-handling apparatus. 1,765,765; June 24.
- Luce, Hans, Dusseldorf, assignor to Rheinische Metallwaren-und Maschinenfabrik Sömmerrda Aktiengesellschaft, Sommerda, Germany. Setting type levers. 1,783,177; Dec. 2.
- Luce, Louis L., Oakland, Calif. Combined intake valve and vaporizer. 1,759,055; May 20.
- Luce, Matthew, Jr., Brookline, assignor to M. Leavitt, Chelsea, Mass. Detachable base for telephone transmitters. 1,760,153; May 27.
- Luce, Maude L. (See Sanders, Granison M., assignor.)
- Luce, Richard W. (See Boots, E. R., Luce, and Oestnaes.)
- Luce, Richard W., Maplewood, assignor to American Gas-accumulator Company, Elizabeth, N. J. Producing reflectors. 1,744,907; Jan. 28.
- Luce, Richard W., Mountainside, assignor to American Gasaccumulator Company, Elizabeth, N. J. Light-reflector sign and signal. 1,764,687; June 17.
- Luce, Richard W., Maplewood, assignor to American Gas-accumulator Company, Elizabeth, N. J. Traffic-signal reflector. 1,768,412; June 24.
- Luchs, Frederick M., assignor to United States Glass Company, Pittsburgh, Pa. Receptacle cover. 1,776,818; Sept. 30.
- Lucich, Anton, St. Louis, Mo. Electric scissors. 1,782,473; Nov. 25.
- Lucier, Theophelles D. (See Broderick, E. N., and Lucier.)
- Lucius, George P., Ruleville, Miss. Combination plow. 1,784,738; Dec. 9.
- Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Preventing pitting of rotatable pump impellers, hydraulic turbine runners, and analogous structures. 1,744,908; Jan. 28.
- Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser. 1,745,857; Feb. 4.
- Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Evaporating or degasifying apparatus. 1,754,722; Apr. 15.
- Lucke, Henry J., East Orange, N. J. Ventilating device for automobiles and other vehicles. 1,758,573; May 13.
- Luckenbach, Royer, Brooklyn, N. Y. Selective agent for concentrating ores. 1,780,024; Oct. 28.
- Luckenbach Steamship Company. (See Green, Walter L., Jr., assignor.)
- Luckensmeier, Frederick, Reedsburg, Wis. Pneumatic cleaning tool. 1,782,308; Nov. 18.
- Lucker, Millard B., Benton Harbor, Mich., assignor to Auto Specialties Mfg. Co., San Francisco, Calif. Lifting jack. 1,762,400; June 10.
- Lucker, Millard B., Benton Harbor, Mich., assignor to Auto Specialties Manufacturing Company. Recoil check. 1,784,739; Dec. 9.
- Lucky, George P., Dayton, Ohio. Sensitive altimeter. 1,749,494; Mar. 4.
- Lucky, George P., Dayton, Ohio. Impulse tachometer. 1,772,152; Aug. 5.
- Lucky, George P., Lancaster, Pa., assignor, by mesne assignments, to American Cable Company, Inc., New York, N. Y. Flexible transmitting device. Re17,639; Apr. 8.
- Lucitt, William F., Los Angeles, Calif. Advertising device. 1,747,449; Feb. 18.
- Lucmlin, Morris, New York, N. Y. Costume jewelry clasp. Des. 82,429; Nov. 4.
- Lucy, Thomas A., Asheville, N. C., assignor to Ingalls Steel Products Company, Birmingham, Ala. Screed clip. 1,779,885; Oct. 28.
- Luders, Alfred, Stamford, Conn. Ship's light. 1,776,004; Sept. 16.
- Ludington, Frank E., Waterbury, Conn. Machine for producing lined pouches. 1,762,829; June 10.
- Ludlam, James E., Belleville, N. J. Arch for shoes. 1,777,440; Oct. 7.
- Ludlow, Edmund, Indianapolis, Ind. Automobile heater register. 1,743,365; Jan. 14.
- Ludlow Typograph Company. (See Hedly, Arthur H., assignor.)
- Ludlum Steel Company. (See Armstrong, Percy A. E., assignor.)
- Ludlum Steel Company. (See Armstrong, P. A. E., and De Vries, assignors.)
- Ludlum Steel Company. (See De Fries, Henry A., assignor.)
- Ludlum Steel Company. (See De Vries, Ralph P., assignor.)
- Ludlam, Warren V., Meridian, Miss. Air cleaner or filter for carburetors. 1,755,011; Apr. 15.
- Ludlam, Warren V., Meridian, Miss. Air cleaner or filter for carburetors. 1,760,705; May 27.
- Lüdorf, Gustav, Barmen, assignor to A. Schulte, Velbert, Rhineland, K. Küch, Barmen, and W. Hof, Elberfeld, Germany. Take-up device for ribbon looms. 1,750,533; Mar. 11.
- Lüdorf, Gustav, Barmen, assignor to A. Schulte, Velbert, Küch, Barmen, and W. Hof, Elberfeld, Germany. Polishing disk. 1,761,890; June 3.
- Ludt, Edward J., Youngstown, Ohio. Fire pot. 1,742,362; Jan. 7.
- Ludwick, Oscar W. (See Aron, William P., assignor.)
- Ludwig, Andrew, Rochester, assignor to Deal Electric Co., Inc., New York, N. Y. Illuminated star. Re17,777; Aug. 26.
- Ludwig, Fred, Honolulu, Hawaii. Hose coupling. 1,785,638; Dec. 16.
- Ludwig, Hans, Homburg-on-the-Hohe, Germany. Shock absorber. 1,784,191; Dec. 9.
- Ludwig, Karl, Hamburg, Germany, assignor to "Hundert-feuer" Gesellschaft für Moderne Beautentechnik mit beschränkter Haftung, Hamburg, Germany. Liquid-spraying device. 1,782,309; Nov. 18.
- Ludwig, Louis, Brooklyn, N. Y. Tobacco-ash receiver. Des. 82,333; Oct. 21.
- Ludwig, Louis, Brooklyn, N. Y. Attachment plug. Des. 82,616; Nov. 25.
- Ludwig, Louis, Brooklyn, N. Y. Antenna eliminator and radio set protector. 1,772,776; Aug. 12.

- Ludwig, Louis, Brooklyn, N. Y. Fuse plug. 1,776,685; Sept. 23.
- Ludwig, Max. (See Hurlbrink, E., and Ludwig.)
- Ludwig, Willi, Höchst-on-the-Main, and O. Schaumann, Wiesbaden, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Solution of the active principle from animal organs and preparing the same. 1,752,916; Apr. 1.
- Luebbers, Herman E., Osmond, Nebr. Feed grinder. 1,749,954; Mar. 11.
- Lueck, George A., Milwaukee, Wis. Heating and humidifying system for food carts. 1,752,749; Apr. 1.
- Lueck, Henry W. (See Davis, C. H., and Lueck.)
- Luedtke, Emil, Fairmont, Minn. Loading spout. 1,774,800; Sept. 2.
- Luedtke, Max A. G., Weehawken, N. J. and H. Hoffmann, New York, N. Y. Marking, printing, and embossing device. 1,766,662; June 24.
- Luehrman, Charles G., Chicago, Ill. Safety device for elevators. 1,756,370; Apr. 29.
- Luehrmann, Alfred D., assignor of one-half to F. X. Meehan, St. Louis, Mo. Device for regulating the intensity of action of massaging or exercising machines. 1,747,372; Feb. 18.
- Luehrmann, Alfred D., and F. X. Meehan, St. Louis, Mo. Regulating the intensity of action of massaging or exercising machines. 1,746,787; Feb. 11.
- Luehrmann, Alfred D., and F. X. Meehan, St. Louis, Mo. Regulating the intensity of action of massaging or exercising machines. 1,747,371; Feb. 18.
- Luense, Frederick H., Chicago, Ill. Winding mechanism for time-clock stamps. 1,769,587; July 1.
- Luense, Frederick H., assignor to Rotospray Manufacturing Co., Chicago, Ill. Rotary spraying separator. 1,769,586; July 1.
- Luense, Frederick H., assignor to Rotospray Manufacturing Co., Chicago, Ill. Rotary spraying separator. 1,769,588; July 1.
- Luettringhaus, Arthur, Mannheim, P. Nawiasky and A. Ehrhardt, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Thiophene derivatives of the benzanthrone series and preparing the same. 1,778,159; Oct. 14.
- Luff, Mary A. (See Tinney, Thomas R., assignor.)
- Lufkin, Garland, assignor to Illinois Glass Company, Alton, Ill. Process and apparatus for producing granulated cullet. 1,744,397; Jan. 21.
- Lufkin Rule Co. (See Witchger, Eugene J., assignor.)
- Luft, Hans, Newark, N. J. Linked bracelet. 1,774,334; Aug. 26.
- Luftschiffbau Zeppelin G. m. b. H. (See Strobl, Hans, assignor.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Dörr, Wilhelm E., assignor.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Dörr, Ludwig, assignor.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Lüscher, Hermann, assignor.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Stahl, Karl, assignor.)
- Luhan, Joseph F. C. (See Ocenasek, Vaclav, assignor.)
- Lühmann, Karl, Celle, Germany. Drying ceramic articles of any kind in drying chambers and apparatus for carrying out the method. 1,744,398; Jan. 21.
- Luhnnow, Walter F., Greeley, Colo. Radio receiving device. 1,765,731; June 24.
- Luhr, Otto, Chicago, Ill. Refrigerator car. Re17,660; May 13.
- Luhrs, Otto, assignor to Zellstoffabrik Waldof, Mannheim-Waldof, Germany. Apparatus for obtaining yeast. 1,760,706; May 27.
- Luippold, Robert W., and W. T. Sparrow, Hampton, Va. Tower anchorage. 1,777,469; Oct. 7.
- Luitwieler, Samuel W., Los Angeles, Calif. Compressor. 1,775,286; Sept. 9.
- Lukacs, Elmar, Berlin Schoneberg, assignor to Hinz Fabrik G. m. b. H., Berlin-Mariendorf, Germany. Fastening device for flat articles. 1,744,560; Jan. 21.
- Lukan, Frank E., Cleveland, Ohio. Safety guard bumper. 1,772,906; Aug. 12.
- Lukasczyk, Jacob, Oberpfalz, Bavaria, Germany. Hardening of the heads of railway rails. 1,745,023; Jan. 28.
- Lukasczyk, Jacob, Rosenberg, Oberpfalz, Germany. Improving the heads of railway rails. 1,764,844; June 17.
- Lukasczyk, Jakob, Rosenberg, Oberpfalz, Germany. Apparatus for strengthening the heads of railway rails. 1,752,646; Apr. 1.
- Luke, Arthur C. F. and M. V., Montreal, Quebec, Canada. Engine-valve construction. 1,768,618; July 1.
- Luke, Marguerite V. (See Luke, Arthur C. F. and M. V.)
- Lukens, Alan R. (See Glidden, A. A., and Lukens.)
- Lukens, Alan R., Wyoming, assignor to The Richardson Company, Lockland, Ohio. Dielectric substance. 1,752,917; Apr. 1.
- Lukens, Alan R., Wyoming, assignor to The Richardson Company, Lockland, Ohio. Fibrating process. 1,771,643; July 29.
- Luker, Armer P., Philadelphia, Pa., assignor to Victor Talking Machine Company. Upright cabinet for radio apparatus. 1,745,306; Jan. 28.
- Lukes, Michael W. (See Lamoureux, Nelson, assignor.)
- Lukomski, Stanley, Detroit, Mich. Back-water trap. 1,761,217; June 3.
- Lulek, Ralph N., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat color of the 1:9 thiazole-anthrone series. 1,777,756; Oct. 7.
- Lull, Carey A. (See Clouse, Walter N., assignor.)
- Lum, George R., assignor to Western Electric Company, Incorporated, New York, N. Y. Sound-ranging system. 1,753,346; Apr. 8.
- Lum, Walter O., Schenectady, N. Y., assignor to General Electric Company. Electric-motor-control system. 1,787,278; Dec. 30.
- Lumbard, Phannette E., Kansas City, Kans. Shingle and shingle roofing. 1,776,949; Sept. 30.
- Lumiere, Louis, Lyon, France. Talking machine. 1,757,535; May 6.
- Lu-Mi-Nus Signs, Inc. (See Wesley, Joseph A., assignor.)
- Lummus Cotton Gin Company. (See Pate, Matthew J., assignor.)
- Lumpkin, Ray E., and R. A. Nove, San Antonio, Tex. Announcing apparatus. 1,768,207; June 24.
- Luna Advertising Company Limited. (See Burns, Williams A., assignor.)
- Lund, Arthur D., Minneapolis, Minn. Grid-casting machine. 1,747,552; Feb. 18.
- Lund, Bart, Hammond, Ind. Fender construction for vehicles. 1,759,793; May 20.
- Lund, Barthol B., Long Beach, Calif. Whipstock anchor. 1,774,755; Sept. 2.
- Lund, Dagne A., administratrix. (See Foresman, Clarence A.)
- Lund, Hans, Berlin-Schoneberg, Germany, assignor to General Electric Company. Induction motor. 1,752,097; Mar. 25.
- Lund, Hans, Berlin-Schoneberg, H. Laub, Berlin-Tege-land, and F. Hirt, Berlin-Friedenau, Germany, assignors to General Electric Company. Signaling system. 1,760,508; May 27.
- Lund, John A., Batavia, Ill., assignor to Challenge Company. Oiling mechanism. 1,757,642; May 6.
- Lund, John A., assignor to Challenge Company, Batavia, Ill. Lubricating system. 1,767,386; June 24.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-supplying apparatus. 1,771,050; July 22.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel end of shoes and making the same. 1,775,647; Sept. 16.
- Lundahl, Fred A., Moline, Ill. Toy hand car. Des. 82,334; Oct. 21.
- Lundahl, Fred A., Moline, Ill. Switch-operating mechanism. 1,750,234; Mar. 11.
- Lundahl, Fred A., Moline, Ill. Vehicle toy. 1,755,483; Apr. 22.
- Lundahl, Fred A., Moline, Ill. Toy dump cart. 1,758,755; May 13.
- Lundahl, Frederick A., East Moline, Ill. Convertible vehicle toy. 1,775,251; Sept. 9.
- Lundberg, Carl E., Stockholm, Sweden. Intermittent-absorption-refrigeration apparatus. 1,779,070; Oct. 21.
- Lundborg, Gustav L., and R. B. Israel, Muskegon, assignors to Continental Motors Corporation, Detroit, Mich. Method and apparatus for shipping engines. 1,764,737; June 17.
- Lundborg, Josef, assignor to the Surface Combustion Co., Incorporated, Toledo, Ohio. Heat-treating furnace. 1,771,853; July 29.
- Lundeen, Ernest F., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Electrode for electrolytic cells. 1,749,145; Mar. 4.
- Lundeen, Ernest F., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Electrolytic rectifier. 1,769,228; July 1.
- Lundelius & Eccleston Motors Corporation. (See Lundelius, Oscar F., assignor.)
- Lundelius, Oscar F., Los Angeles, Calif., assignor to Lundelius & Eccleston Motors Corporation, Las Vegas, Nev. Spring mounting. 1,773,313; Aug. 19.
- Lundell, Alben E., New York, and E. H. Clark, Richmond Hill, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,767,854; June 24.
- Lundgaard, Ivar, Worcester, assignor to Devon Manufacturing Company, Boston, Mass. Air drier. 1,764,110; June 17.
- Lundgren, Edwin, Frederick, Md., assignor to International Combustion Engineering Corporation. Apparatus for pulverized-fuel burning. 1,754,277; Apr. 15.
- Lundgren, Edwin, Frederick, Md., assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler furnace. 1,769,744; July 1.
- Lundgren, Edwin, Frederick, Md., assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler furnace. 1,769,745; July 1.
- Lundgren, Edwin, Frederick, Md., assignor to Combustion Engineering Corporation. Burning finely-divided fuel for the generation of steam. 1,770,987; July 22.
- Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Means for and method of balancing. 1,763,402; June 10.
- Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Balancing device. 1,763,403; June 10.
- Lundgren, Otto S., Fort Crook, Nebr. Cap-supported lamp. 1,744,777; Jan. 28.

- Lundgren, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Rack for fingers of dobby looms. 1,760,909; June 3.
- Lundgren, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Box motion for looms. 1,760,950; June 3.
- Lundgren, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle check. 1,766,757; June 24.
- Lundgren, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom driving mechanism. 1,766,758; June 24.
- Lundquist, Gust. (See Muhrbeck, Fritz E., assignor.)
- Lundquist, Gust, Northwood, N. Dak., assignor of one-half to F. E. Muhrbeck, Hancock, Minn. Quack-grass digger and remover. 1,771,263; July 22.
- Lundquist, John A., Los Angeles, Calif. Plumb-bob reel. 1,745,263; Jan. 28.
- Lundsten, Andrew L. (See Klim, A. H., Johnson, Nelson, Berlin and Lundsten.)
- Lundy, Alvin A., Indianapolis, Ind. Screen insect control. 1,747,254; Feb. 18.
- Lundy, Beverly A., Larchmont, and S. P. Hull, Yonkers, N. Y. Jar holder. 1,761,218; June 3.
- Lungren, Edgar E. (See Murdock, W. J., Lungren, and Evans.)
- L'Union Chimique Belge, Societe Anonyme. (See Guilleissen, Joseph, assignor.)
- Lunkenheimer, Frederick N., Johnstown, N. Y. Polishing brush. 1,767,766; June 24.
- Lunn, Ernest, assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Electrode cooling coil. 1,744,399; Jan. 21.
- Lunn, Ernest, assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Electric welding machine. 1,769,148; July 1.
- Lunn, Ernest, assignor to Pullman Car & Manufacturing Corporation, Chicago, Ill. Spot welding of brass and aluminum. 1,770,540; July 15.
- Lunney, Ambrose P., and F. L. Peart, Denver, Colo. Wind-shield-solution feeder. 1,753,934; Apr. 8.
- Lunz, Joe M., Ford, Kans. Chaffer. 1,773,914; Aug. 26.
- Lupe, Inc. (See Friedman, William, assignor.)
- Lupes, Stephen, New York, N. Y. Device for permanent hair waves. 1,755,221; Apr. 22.
- Lupfer, Robert N., assignor to The Springfield Leather Products Company, Springfield, Ohio. Tab index for envelopes and making same. 1,777,499; Oct. 7.
- Lupien, Louis A., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Bookholder. 1,764,325; June 17.
- Lupke, Paul, Jr. (See Oakley, A. T., and Lupke.)
- Lupton, Henry W. and M., Los Gatos, Calif. Curtain and shade guard. 1,746,269; Feb. 11.
- Lupton, Margaret. (See Lupton, Henry W. and M.)
- Lupton's, David, Sons Company. (See Anderson, Walter B., assignor.)
- Lupton's, David, Sons Company. (See Brogden, Joah, assignor.)
- Lupton's, David, Sons Company. (See Sheard, Joseph H., assignor.)
- Lupton's, David, Sons Company. (See Walton, Howard T., assignor.)
- Lurgi-Gesellschaft für Wärmetechnik m. b. H. (See Rüder, Heinrich B., assignor.)
- Lurie, Michail J., and A. P. Woroshilow, Moscow, Union of Socialist Soviet Republics. Salt drier. 1,787,009; Dec. 30.
- Lurtz, Carl, assignor to Good House Keeping Aids, Incorporated, Brooklyn, N. Y. Timing device for boiling eggs. 1,769,884; July 1.
- Lüscher, Emil, assignor to Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft, Basel, Switzerland. Manufacture of double salts for calcium nitrate. 1,776,694; Sept. 23.
- Lüscher, Hermann, Munich, Germany, assignor to the firm Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichsrafen, Bodensee, Germany. Stereoscope. 1,749,220; Mar. 4.
- Luse, William J., New York, N. Y. Multiple-screw fuse plug. 1,781,786; Nov. 18.
- Lush, Charles H., Freeport, and H. C. Warfield, Merrick, N. Y., said Warfield assignor to said Lush. Dispenser. 1,770,739; July 15.
- Lusher, Albert C., assignor to Scovill Manufacturing Company, Waterbury, Conn. Cap for jars and the like. 1,745,498; Feb. 4.
- Lusier, Joseph A., Seattle, Wash. Spray device. 1,769,266; July 1.
- Lusifer Products Company, The. (See Graf, Edward H., assignor.)
- Lusink, Clarence I. (See Blake, E. J., and Lusink.)
- Lusk, Robert, Palms, Calif., assignor to Brogden Company, Winter Haven, Fla. Atomizing and spraying device. 1,779,849; Oct. 28.
- Lusse Brothers, Inc. (See Lusse, Robert J., assignor.)
- Lusse, Joseph C., Philadelphia, Pa. Motor vehicle. 1,747,122; Feb. 11.
- Lusse, Joseph C., Philadelphia, Pa. Amusement car. 1,754,172; Apr. 8.
- Lusse, Robert J., Philadelphia, Pa. Amusement vehicle. 1,758,799; May 13.
- Lusse, Robert J., assignor to Lusse Brothers, Inc., Philadelphia, Pa. Amusement-car construction. 1,754,112; Apr. 8.
- Lussetto, Dominick, and J. Fassero, Oshkosh, Nebr. Sliding-door latch. 1,771,683; July 29.
- Lustgarten, Bernard, New York, N. Y. Brassière. 1,782,044; Nov. 18.
- Luth & Roséne Elektriska Aktiebolag. (See Ugglä, Wilhelm R., assignor.)
- Luther, Charles A., Chicago, Ill. Broiler pan. 1,769,149; July 1.
- Luther, Fritz. (See Hasselbach, A., and Luther.)
- Luther, Martin. (See Franzen, H., and Luther.)
- Luther, Martin, Mannheim, and H. Beller, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of lactic acid and its derivatives. 1,766,715; June 24.
- Luther, Otto H., Stamford, Conn. Dial control. 1,743,927; Jan. 14.
- Lüthi, Albert, assignor to the firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Speed-regulating device for prime movers. 1,760,421; May 27.
- Luthi, Walter. (See Prantl, F., Luthi and Schroeder.)
- Luthi Battery Equipment Company. (See Dodge, Henry P., assignor.)
- Luton, John K., assignor to The Consolidated Iron-Steel Manufacturing Company, Cleveland, Ohio. Boiler stand. Des. 82,572; Nov. 18.
- Lüttringhaus, Arthur, and F. Kačer, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of alkyl ketones of the anthracene series. 1,766,443; June 24.
- Lüttringhaus, Arthur, and F. Kačer, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Anthraquinone-thioxanthone vat dyestuffs. 1,783,659; Dec. 2.
- Lüttringhaus, Arthur, Mannheim, and P. Nawiasky and A. Krause, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture and production of new vat dyestuffs. 1,747,520; Feb. 18.
- Lüttringhaus, Arthur, Mannheim, and P. Nawiasky and A. Krause, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of new vat dyestuffs. 1,747,521; Feb. 19.
- Lutts, Carlton G. (See Leahy, A. M., Lutts, and Reid.)
- Lutts, Carlton G. (See Reid, J., Leahy, and Lutts.)
- Lüty, Willi. (See Schertel, L., and Lüty.)
- Lutz, Alois V., Zurich, Switzerland. Device for preventing the formation of gullies. 1,764,047; June 17.
- Lutz, Charles M., and W. M. Pauke, Chicago, Ill. Braking device. 1,748,023; Feb. 18.
- Lutz, Clovis C., Canton, Miss. Attachment for planters. 1,751,486; Mar. 25.
- Lutz, Clovis C., Canton, Miss. Attachment for planters. 1,751,590; Mar. 25.
- Lutz, De L. (See Hunter, C. E., and Lutz.)
- Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Presser foot and chain cutter for sewing machines. 1,765,342; June 17.
- Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Chain cutter for sewing machines. 1,765,493; June 24.
- Lutz, George, Rocky River, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Flotation process. 1,765,308; June 17.
- Lutz, George, Rocky River, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Zinc-chloride-base flux. 1,785,131; Dec. 16.
- Lutz, Robert G. (See Sinton, R., Holzhauser, and Lutz.)
- Lutz, William E., Amarillo, Tex. Tool grinder. 1,749,105; Mar. 4.
- Lutz, Wilmer A., Bucyrus, Ohio. Lime spreader. 1,776,814; Sept. 30.
- Lützw, Artur, Cologne-Mulheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Securing of welds on bended bodies. 1,780,978; Nov. 11.
- Lux Clock Manufacturing Company. (See Lux, Paul, assignor.)
- Lux, Paul, assignor to Lux Clock Manufacturing Company, Inc., Waterbury, Conn. Combined casing for an alarm clock and dial therefor. Des. 80,628; Mar. 4.
- Lux, Paul, assignor to The Lux Clock Manufacturing Company, Waterbury, Conn. Alarm clock. 1,767,183; June 24.
- Luxa, Ludwig, and A. A. Pimper, Howell, Nebr. Radiocabinet. Des. 80,961; Apr. 15.
- Lydon, Patrick J., assignor of one-half to E. J. Lagomarsino, Ventura, Calif. Orienting core drill. 1,773,915; Aug. 26.
- Lyford, Robert E., Chicago, Ill., assignor to Invention Engineering Corporation. Seating arrangement for motor vehicles. 1,743,149; Jan. 14.
- Lyford, Robert E., assignor to Motor Industries, Inc., Chicago, Ill. News stand. 1,774,520; Sept. 2.
- Lybne, Anker S., Bridgeport, Conn. Loose-powder container for vanity boxes. 1,775,107; Sept. 9.
- Lybne, Anker S., Bridgeport, Conn. Lip-stick holder. 1,781,852; Nov. 18.
- Lykken, Henry G., Minneapolis, Minn. Material reducing and means therefor. 1,753,437; Apr. 8.
- Lykken, Henry G., Minneapolis, Minn. Device for reducing materials. 1,756,253; Apr. 29.
- Lykken, Henry G., Minneapolis, Minn. Fluidizer and method of fluidizing. 1,756,254; Apr. 29.

- Lykken, Henry G., Minneapolis, Minn. Heat-treatment kiln. 1,760,244; May 27.
- Lykken, Henry G., Minneapolis, Minn. Device for reducing and feeding reduced materials. 1,760,245; May 27.
- Lykken, Henry G., Minneapolis, Minn. Device for reducing materials. 1,761,138; June 3.
- Lykken, Henry G., Minneapolis, Minn. Fuel apparatus. 1,768,619; July 1.
- Lykken, Henry G., Minneapolis, Minn. Device for operating upon fluidal matter. 1,768,620; July 1.
- Lykken, Henry G., Minneapolis, Minn. Fluidizer. 1,768,621; July 1.
- Lykken, Henry G., Minneapolis, Minn. Pulverized-material segregator. 1,787,079; Dec. 30.
- Lyle, Frederick W., Waltham, Mass., assignor to Beacon Accessories Corporation. Electrical apparatus. 1,761,635; June 3.
- Lyle, John, Philadelphia, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Clutch for Axminster-loom tube frames. 1,786,667; Dec. 30.
- Lyle, Thurman F., Bridgeport, Ohio. Plumbing clean-out system. 1,765,926; June 24.
- Lyles, Thomas B., Terre Haute, Ind. Switch lock. 1,759,655; May 20.
- Lyman, Charles E., jr., Middlefield, Conn. Gun sight. 1,750,676; Mar. 18.
- Lyman Gun Sight Corporation. (See Garand, John C., assignor.)
- Lyman, Kenneth E., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,747,373; Feb. 18.
- Lyman, Kenneth E., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,749,188; Mar. 4.
- Lyman, Kenneth E., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,763,854; June 17.
- Lyman, Kenneth E., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,771,854; July 29.
- Lyman, Lew G., Philadelphia, Pa. Piston ring. 1,775,648; Sept. 16.
- Lyman, Ray J., Berkeley, assignor to Great Western Meter Company, Oakland, Calif. Fluid meter. 1,781,466; Nov. 11.
- Lymburner, Armand, Verdun, Quebec, Canada, assignor of one-half to J. J. Driscoll, Chicago, Ill. Locomotive exhaust-steam nozzle. 1,785,907; Dec. 23.
- Lynam, Marshall, Scranton, Pa. Electric drill. 1,742,961; Jan. 7.
- Lynam, Thornton L., Dartmouth, Mass. Cooking outfit. 1,786,120; Dec. 23.
- Lynch, Charles W., Perry, Okla., assignor to Pickering Lumber Company, Kansas City, Mo. Girt construction for compression-type derricks. 1,760,154; May 27.
- Lynch, Frank J., Hillside, N. J., assignor to Pinaud, Inc., New York, N. Y. Collapsible tube. Des. 82,640; Nov. 25.
- Lynch, Frank J., assignor to The Sun Tube Corporation, Hillside, N. J. Automatic stop for extruding machines. 1,782,360; Nov. 18.
- Lynch, George E., Los Angeles, Calif. Air and gas filter. 1,766,221; June 24.
- Lynch Glass Machine Company. (See Lynch, James W., assignor.)
- Lynch, James W., Anderson, Ind., assignor, by mesne assignments, to Lynch Glass Machine Company. Apparatus for blowing thin-wall glassware. 1,766,135; June 24.
- Lynch, John P., Los Angeles, Calif. Extractor cover. 1,782,575; Nov. 25.
- Lynch, Joseph E., Stockton, Calif. Direction signal for automobiles. 1,781,853; Nov. 18.
- Lynch, Joseph H., Asbury Park, N. J. Assorting apparatus. 1,776,815; Sept. 30.
- Lynch, Joseph L. (See Macy, Alfred J., assignor.)
- Lyndon, Edward, New York, N. Y. Fire-detecting cable. 1,779,610; Oct. 28.
- Lynds, Walter A., Boston, Mass. Collapsible basket support. 1,784,240; Dec. 9.
- Lyne, Charles H., Miami, Fla. Surfacing machine. 1,747,944; Feb. 18.
- Lyne, Zella, Vinton, Iowa. Hose protector. 1,746,485; Feb. 11.
- Lynn, Harry H., New Rochelle, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Apparatus for feeding tape and projecting images therefrom. 1,771,500; July 29.
- Lynn, John P., assignor to Dur-O-Lite Pencil Company, Chicago, Ill. Pencil. 1,772,051; Aug. 5.
- Lynn, John P., assignor to Dur-O-Lite Pencil Co., Chicago, Ill. Clip. 1,784,605; Dec. 9.
- Lynn, John S., assignor to The Vesuvius Corporation, Los Angeles, Calif. Pressure lubricating apparatus. 1,752,530; Apr. 1.
- Lynn Products Co. (See Johnson, L. E., and Leach, assignors.)
- Lynn Products Co. (See Popp, Leonard A., assignor.)
- Lyon, Carlos, Decatur, Ill. Furniture. 1,765,766; June 24.
- Lyon, Charles H., Kennebec, S. Dak. Combined cooking and heating stove. 1,771,303; July 22.
- Lyon, George A., Allenhurst, N. J., assignor, by mesne assignments, to American Chain Company, Inc. Bumper. 1,745,428; Feb. 4.
- Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)
- Lyon Metal Products, Incorporated. (See Gerberich, Clarence E., assignor.)
- Lyon Metal Products, Incorporated. (See Vance, Walter N., assignor.)
- Lyons, Charles T., Medina, Wash., assignor to Durable Mat Company, Seattle, Wash. Ship's fender. 1,781,403; Nov. 11.
- Lyons, Daniel P., assignor to Illinois Watch Case Company, Elgin, Ill. Watchcase. 1,786,762; Dec. 30.
- Lyons, George A. (See Doyle, F. A., and Lyons.)
- Lyons, George W., Hayden, Colo. Controlling means for airplanes. 1,786,668; Dec. 30.
- Lyons, J., and Company. (See Bilham, P. L., and Smith, assignors.)
- Lyons, J., and Company. (See Coyte, William A., assignor.)
- Lyons, James G., Stockton, Calif. Aeroplane. 1,759,164; May 20.
- Lyons, John E., Texhoma, Okla. Pipe grab. 1,781,335; Nov. 11.
- Lyons-Magnus Inc. (See Leibing, William E., assignor.)
- Lysholm, Alf. (See Ljungström, F., and Lysholm.)
- Lysholm, Alf, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Axial-flow steam turbine. 1,745,429; Feb. 4.
- Lysholm, Alf, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Blade system of gas or steam turbines. 1,777,098; Sept. 30.
- Lysholm, Alf, Stockholm, assignor to Aktiebolaget Ljungströms Ångturbin, Lidings-Brevik, Sweden. Turbine-driven locomotive. 1,783,126; Nov. 25.
- Lysons, Jay W., New York, N. Y. Dispensing device. 1,773,820; Aug. 26.
- Lyth, John J., Valleyfield, Quebec, Canada. Folding ironing board, table, seat, and the like. 1,768,413; June 24.
- Lyth, John J., Valleyfield, Quebec, Canada. Feeding mechanism for cloth-piling machines and the like. 1,768,414; June 24.
- Lytle, Arthur R. (See Miller, W. B., and Lytle.)
- Lytle, Arthur R., Flushing, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc. Nonferrous welding rod. Re17,631; Apr. 1.
- Lytle, Arthur R., Elmhurst, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc. Welding alloy. 1,762,871; June 10.
- Lytle, Arthur R., Elmhurst, N. Y., assignor to U. C. & C. Research Labs. Inc. Brazing rod. 1,764,571; June 17.
- Lytle, William O. (See Sherts, J. H., and Lytle.)
- M. & B. Manufacturing Co. (See Mersfelder, F. J., and Balze, assignors.)
- M-It Manufacturing Company. (See Graumlich, Emmett G., assignor.)
- M. J. B. Co. (See Bardet, George A. and George V., assignors.)
- M. J. B. Co. (See Burns, Wilford E., assignor.)
- M & M Engineering Corporation. (See Moore, Robert A., assignor.)
- M & M Piston and Ring Company. (See Malmberg, Axel L., assignor.)
- M. & M. Sales & Mfg. Co. (See Watson, Lawrence R., assignor.)
- M. & M. Sales & Mfg. Co. Inc. (See Budd, James E., assignor.)
- MS Co. (See Nittel, Frederick W., assignor.)
- Maag, Oscar L., and C. M. Maratta, assignors to The Timken Roller Bearing Company, Canton, Ohio. Apparatus for removing oil from metal. 1,743,465; Jan. 14.
- Maag, Oscar L., and C. M. Maratta, assignors to The Timken Roller Bearing Company, Canton, Ohio. Recovering oil from metal. 1,743,466; Jan. 14.
- Maanum, Dedrick A., Minneapolis, Minn., assignor, by mesne assignments, to Cherry-Burrell Corporation, Wilmington, Del. Can-cleaning-machine heater. 1,782,876; Nov. 25.
- Maartens, Johannes H. J., Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven. Device for interrupting electric currents. 1,774,446; Aug. 26.
- Maas, Arthur R., Los Angeles, Calif. Removing lead arsenate from fruit. 1,754,173; Apr. 8.
- Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method and machine for inserting air bags in tire casings. 1,743,077; Jan. 7.
- Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Centrifugal tire-forming machine. 1,757,934; May 6.
- Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Fabric-feeding device. 1,757,935; May 6.
- Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Fabric-shaping device. 1,763,591; June 10.
- Maas, Elov F., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Band-building machine. 1,763,592; June 10.
- Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Driving mechanism for conveyor belts. 1,769,703; July 1.
- Maashant, Cornelius, Santiago de Cuba, Cuba. Electric light fixture. 1,744,400; Jan. 21.
- Mabbs, John K. (See Hunt, W. F., Mabbs, and Rowland.)
- Mabbs, John K., Bayside, assignor to Oxweld Acetylene Co., New York, N. Y. Head for detectors of combustible gases. Des. 80,411; Feb. 4.

- Mabbs, John K., Bayside, N. Y., assignor to Oxweld Acetylene Company. Head for gas detectors. 1,756,794; Apr. 29.
- Mabbs, John K., Bayside, and H. C. Stelling, Orangeburg, N. Y., assignors to Oxweld Acetylene Company. Head for gas detectors. 1,756,793; Apr. 29.
- Mabee, Elliott B., Brooklyn, N. Y. Basin for medical and dental purposes. Des. 81,754; Aug. 5.
- Mabey, Charles W., assignor to Mabey Electric and Manufacturing Company, Indianapolis, Ind. Display heater. 1,744,234; Jan. 21.
- Mabey Electric and Manufacturing Company. (See Mabey, Charles W., assignor.)
- Mable Todd & Co. (See Most, Lucifer J., assignor.)
- Mac-Ad-Co. (See MacLachlan, John D., assignor.)
- MacAllister, Perry F. (See McPherson, Arthur D., assignor.)
- Macallum, Alexander D., Perth Amboy, N. J. Synthesis of diacetyl-3,3'-diamino-4,4'-dihydroxy-5,5'-diiodoarsenobenzene. 1,782,432; Nov. 25.
- Macan, Harry C., Rutherford, C. E., Yates, East Rutherford, and W. M. Shakespeare, South Orange, N. J., assignors to Anaconda Sales Company, New York, N. Y. Machine for applying coatings. 1,772,907; Aug. 12.
- Macao-Walzenmuhlen-Gesellschaft mit beschränkter Haftung. (See Bragard, Theodor, assignor.)
- MacArthur Concrete Pile Corporation. (See Newton, Donald, M., assignor.)
- MacArthur, Elvin D., Wollaston, assignor to Draper Corporation, Hopedale, Mass. Intermittent feeler mechanism for looms. 1,761,576; June 3.
- MacArthur, John B., West Lynn, and R. C. Sansom, East Milton, assignors to Andrew Dutton Company, Boston, Mass. Curtain-roll cradle. 1,742,549; Jan. 7.
- Macaulay, Thomas B. (See Fellows, Frank, assignor.)
- Macbeth, Albert C., Seattle, Wash. Piston ring for internal-combustion engines. 1,775,205; Sept. 9.
- Macbeth, Edmund A. (See Seslar, Henry N., assignor.)
- Macbeth-Evans Glass Company. (See Blau, Henry H., assignor.)
- Macbeth-Evans Glass Company. (See Sloan, Theodore H., assignor.)
- Maccarone, Fred. (See Gentile, F., and Maccarone.)
- Maccarone, Fred, assignor of one-half to F. Cardone, Brooklyn, N. Y. Turned shoe. 1,785,035; Dec. 16.
- MacCarra, Ernest, San Francisco, Calif. Friction clutch. 1,779,179; Oct. 21.
- MacCarthy, Florence B., Marysville, Utah. Dial-telephone lock. 1,776,837; Sept. 30.
- MacChangers (1929) Limited. (See McIntire, Charles S., assignor.)
- MacChesney, Chester M., and R. H. Norton, assignors to Acme Steel Company, Chicago, Ill. Strap-stretching device. 1,752,495; Apr. 1.
- MacClatchie, John W., Compton, Calif. Underreamer. 1,754,830; Apr. 15.
- MacClatchie, John W., Compton, Calif. Well cementing. 1,772,871; Aug. 12.
- MacClatchie, John W., Compton, Calif. Valve. 1,785,278; Dec. 16.
- MacCordy, Charles A., Syracuse, N. Y. Bottle-cap retainer and making the same. 1,771,644; July 29.
- MacCoull, Neil, jr., Englewood, N. J., assignor to The Texas Company, New York, N. Y. Lubricating oil. 1,767,147; June 24.
- MacCubbin, Alexander A., Montclair, and J. Zaveritnik, jr., Harrington Park, N. J., assignors to The Barrett Company, New York, N. Y. Distillation of tar. 1,759,816; May 20.
- MacCullough, Leonard B. (See Collins, Arthur H., assignor.)
- MacDonald, Alan, San Francisco, Calif. Concrete-form joist hanger. 1,757,321; May 6.
- MacDonald, Allan A., Glen Ridge, assignor to Sloan & Company, Newark, N. J. Collar clasp. 1,753,832; Apr. 8.
- Macdonald, Alexander. (See Macrae, J. D., Macdonald, and Macrae.)
- Macdonald, Angus S., Great Neck, N. Y., assignor to Sneed & Company, Jersey City, N. J. Metallic grid. Des. 81,988; Sept. 9.
- Macdonald, Angus S., Great Neck, N. Y., assignor to Sneed & Company, Jersey City, N. J. Metallic partition. 1,772,286; Aug. 5.
- Macdonald, Angus S., Great Neck, N. Y., C. C. Waite, Roselle Park, N. J., and E. M. Huggins, New York, N. Y., assignors to Sneed & Company, Jersey City, N. J. Electric heating apparatus. 1,760,155; May 27.
- Macdonald, Charles H., assignor to The Colorado Fuel & Iron Company, Denver, Colo. Highway guard. 1,776,517; Sept. 23.
- Macdonald, Charles S., London, England. Mechanism of saxophones. 1,745,430; Feb. 4.
- MacDonald, Chester R., Monroe, Mich., assignor to The Flintkote Company, Boston, Mass. Process and apparatus for producing dispersions. 1,774,205; Aug. 26.
- MacDonald, Chester R., Rutherford, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Apparatus for coating roofing units. 1,783,575; Dec. 2.
- MacDonald, Chester R., Rutherford, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Finishing roofing units. 1,783,849; Dec. 2.
- MacDonald, Chester R., Rutherford, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Apparatus for finishing roofing units. 1,783,850; Dec. 2.
- MacDonald, Francis H., Edgemere, N. Y. Finger penholder. 1,751,704; Mar. 25.
- MacDonald, Frank J., Ellet, assignor of one-half to J. B. Gammeter, Akron, Ohio. Bottle cap. 1,783,909; Dec. 2.
- MacDonald, Frank J., Newton, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Machine for cutting articles from sheet material. 1,786,542; Dec. 30.
- MacDonald, Frederick L., Waltham, Mass. Dispensing tube. 1,765,281; June 17.
- MacDonald, Howard G., Murrysville, J. E. Mateer, and G. A. Burr, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. High-voltage structure. 1,755,068; Apr. 15.
- MacDonald, James D., Mosman, near Sydney, New South Wales, Australia. Lace-fastening means for footwear. 1,772,673; Aug. 12.
- MacDonald, Joel W., assignor of 15 per cent to A. B. Prescott, 20 per cent to A. H. Koennecke, and 65 per cent to The Tactiphone Company, Houston, Tex. Audition and apparatus for practicing the same. 1,750,045; Mar. 11.
- Macdonald, Laurie S. (See Richardson, F. L., and Macdonald.)
- MacDonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-clamping device. 1,753,425; Apr. 8.
- Macdonald, Murdock, Cleveland, Ohio. Ticket-box support. 1,748,235; Feb. 25.
- Macdonald, Murdock, Cleveland, Ohio. Ticket holder. 1,751,744; Mar. 25.
- Macdonald, Murdock, Cleveland, Ohio. Ticket holder. 1,751,825; Mar. 25.
- Macdonald, Murdock, Cleveland, Ohio. Ticket holder. 1,775,287; Sept. 9.
- MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation. Vacuum-tube socket. 1,763,796; June 17.
- MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Generator frequency control. 1,776,592; Sept. 23.
- MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Amplification system. 1,781,759; Nov. 18.
- Macdonell, Allan G., Philadelphia, Pa. Extractor basket. 1,749,292; Mar. 4.
- MacDougald, Alexander, assignor to MacDougald Construction Company, Atlanta, Ga. Concrete-distributing apparatus. 1,782,734; Nov. 25.
- MacDougald Construction Company. (See MacDougald, Alexander, assignor.)
- MacDuffee, Robert J., and G. W. Young, Seattle, Wash. Heater and sterilizer. 1,762,448; June 10.
- Mace, Charles E., Denver, Colo. Tank-filling valve. 1,778,114; Oct. 14.
- Mace, Clement H., Denver, Colo. Sintering machine. 1,773,916; Aug. 26.
- Macfadden, Bernarr, New York, N. Y. Golf game apparatus. 1,763,243; June 10.
- Macfadden, Bernarr, New York, N. Y. Airplane stopping device. 1,771,578; July 29.
- Macfadden, Wilford C., assignor to H. H. Eby, Philadelphia, Pa. Socket receptacle for radiotubes. 1,771,094; July 22.
- Macfadden, Wilford C., Fox Chase, assignor to H. H. Eby, Philadelphia, Pa. Socket for tubes. 1,780,778; Nov. 4.
- MacFadyen, Harry R., assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electrical outlets. 1,773,050; Aug. 12.
- MacFarlane, Arthur D., Los Angeles, Calif. Engine construction. 1,784,192; Dec. 9.
- MacFarlane, James C., and W. A. MacFarlane, Glasgow, Scotland. Dynamo-electric machine. 1,761,836; June 3.
- MacFarlane, Walter C., Kenmore, assignor to The Xylos Rubber Company, Akron, Ohio. Cut-off device for extruding machines. 1,768,365; June 24.
- MacFarlane, William A. (See MacFarlane, James C. and W. A.)
- MacGaban, Paul, Orange, N. J., assignor to Westinghouse Electric and Manufacturing Company. Instrument panel for switchboards. Des. 82,684; Dec. 2.
- MacGregor, Basil N., assignor to The Packard Electric Company, Warren, Ohio. Merchandise-display apparatus. 1,754,113; Apr. 8.
- Macgregor, Corinne, Cleveland Heights, Ohio. Construction of small ornamental figures or dolls. 1,782,576; Nov. 25.
- MacGregor, Halbert P., St. Louis, Mo. Swinging pipe joint. 1,774,179; Aug. 26.
- MacGregor, John, Wheaton, Ill. Compost-distributing machine. 1,778,115; Oct. 14.
- MacGregor, Peter G., Pequannock, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 1,764,964; June 17.
- MacGregor, Peter G., Pequannock, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 1,768,700; July 1.

- MacGregor, Peter G., Pequannock, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 1,782,539; Nov. 25.
- MacGregor, Robert, London, England. Hatch cover. 1,768,701; July 1.
- MacGregor, Wallace C., Harvey, Ill. Automobile cement mixer. 1,777,318; Oct. 7.
- MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Combination harvester thrasher. 1,744,978; Jan. 28.
- MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Straw spreader. 1,769,302; July 1.
- MacGregor, Wallace F., and N. R. Krause, assignors to J. I. Case Company, Racine, Wis. Sack chute for harvester-thrashers. 1,782,995; Nov. 25.
- MacGruder, William W., assignor to W. F. Overly & Sons, Greensburg, Pa. Kalamein door. 1,771,304; July 22.
- Machata, Carlos. (See Szabo, L., and Machata.)
- Machemer, William W., assignor of one-half to J. Eichenauer, Brooklyn, N. Y. Collapsible case. 1,748,024; Feb. 18.
- Machin, Walter. (See de Berker, U., Machin, and Goudielock.)
- Machin, Walter, and W. B. O'B Goudielock, Barrow-in-Furness, assignors to P-M-G Metal Trust Limited, London, England. Improving copper or copper alloys and hardener for use therein. 1,777,174; Sept. 30.
- Machinfabriek Reineveld. (See Stoffel, Simon H., assignor.)
- Machinery Development Company. (See Johnson, William C., assignor.)
- Machlet, Adolph W., Elizabeth, N. J. Carburizing process. 1,745,104; Jan. 28.
- Machlet, Adolph W., and P. C. Osterman, assignors to American Gas Furnace Company, Elizabeth, N. J. Gas burner. 1,742,607; Jan. 7.
- Machlet, George F., Elizabeth, N. J. Regulator. 1,758,450; May 13.
- Machlet, George F., Elizabeth, N. J. Regulating device. 1,763,666; June 17.
- Machlett, Raymond R., New York, N. Y., assignor to Rainbow Light, Inc. Starting and operating circuits for luminous tubes. 1,757,776; May 6.
- Machowicz, Paul, Jamaica, N. Y. Decorative lamp casing. Des. 81,837; Aug. 19.
- Machowicz, Paul, Jamaica, N. Y. Lamp casing. Des. 82,039; Sept. 16.
- Machowicz, Paul, Jamaica, N. Y. Shrine. Des. 82,040; Sept. 16.
- Machtolf, Josef, assignor to the firm Chr. Hostmann-Steinberg'sche Farbenfabriken G. m. b. H., Celle, Germany. Apparatus for the production of carbon black. 1,746,003; Feb. 4.
- Machtolf, Josef, assignor to the firm Chr. Hostmann-Steinberg'sche Farbenfabriken G. m. b. H., Celle, Germany. Process of and system for splitting hydrocarbons such as acetylene or the like. 1,782,540; Nov. 25.
- MacIldowie, John C., assignor to Asbestos Wood & Shingle Co., Nashua, N. H. Method and apparatus for preparing wet mixtures. 1,781,728; Nov. 18.
- MacIndoe, John F., Philadelphia, Pa. Water-pump lubricator. 1,778,396; Oct. 14.
- MacInerney, James L., Grand Rapids, Mich. Spring construction. 1,747,374; Feb. 18.
- MacInnes, Robert H., assignor to Co-Operative Foundry Co., Rochester, N. Y. Electric range. 1,742,660; Jan. 7.
- MacIntyre-Fishback Mfg. Co., The. (See Fishback, G. L., and MacIntyre, assignors.)
- MacIntyre-Fishback Mfg. Co. (See Kinney, Paul V., assignor.)
- MacIntyre, Remer Y. (See Fishback, G. L., and MacIntyre.)
- Mack, Albert R., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,756,466; Apr. 29.
- Mack, Carl F., Philadelphia, Pa. Full-fashioned stocking. 1,778,221; Oct. 14.
- Mack, Carl F., assignor of one-half to L. Edelson, Philadelphia, Pa. Fabric guiding and seaming mechanism. 1,745,176; Jan. 28.
- Mack, Charles W., Seattle, Wash. Douche-bag support. 1,757,807; May 6.
- Mack, John R., Caldwell, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Method and apparatus for applying plastic material to surfaces. 1,751,343; Mar. 18.
- Mack, John R., Caldwell, N. J., assignor to Quigley Furnace Specialties Company, Inc. Apparatus for applying film of fluid materials to surfaces. 1,768,485; June 24.
- Mack, Joseph H., Passaic, N. J., assignor to Golding Bros. Company, New York, N. Y. Textile fabric or similar article of manufacture. Des. 81,252; May 27.
- Mack, Martin, and W. Grötzing, Stuttgart-Cannstatt, Germany. Hydraulic accumulator. 1,773,821; Aug. 26.
- Mack Molding Company. (See Burke, James P., assignor.)
- Mack, Patrick H., Bradford, assignor to Oil Well Supply Company, Pittsburgh, Pa. Letting-in tool. 1,749,827; Mar. 11.
- Mack, Patrick H., Bradford, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Oil-well packer. 1,785,276; Dec. 16.
- Mack, Patrick H., Bradford, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Oil-well packer. 1,785,277; Dec. 16.
- Mack, Perry E., Milwaukee, Wis. Motor-driven lawn mower. 1,749,189; Mar. 4.
- Mack, Perry E., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Engine starter. 1,786,763; Dec. 30.
- Mack, Sebastian, Minneapolis, Minn. Signal for automobiles. 1,781,184; Nov. 11.
- Mack, William M., South Paris, Me. Fastener. 1,757,462; May 6.
- Mackall, Kenneth W., assignor to Crouse-Hinds Co., Syracuse, N. Y. Traffic signaling system. 1,756,490; Apr. 29.
- Mackay, Francis K. (See Parkinson, Andrew D., assignor.)
- MacKay-White, Eric W., Rossland, British Columbia, Canada. Internal-combustion pump. 1,752,130; Mar. 25.
- Macke, Gordon B., Washington, D. C. Vending machine. 1,766,297; June 24.
- Macke, Gordon B., Washington, D. C. Vending machine. 1,766,298; June 24.
- Macke, Jacob, Belleville, Ill., and H. Schmitz, Webster Groves, Mo. Pressure-operated multiple-circuit switch. 1,774,801; Sept. 2.
- MacKenzie, Daniel P., assignor of one-half to R. L. Odiorne, Roslindale, Mass. Sprinkler with soap-holding attachment. 1,762,518; June 10.
- Mackenzie, David B., Muscatine, Iowa. Automatic sash machine. 1,762,273; June 10.
- Mackenzie, Donald G., Montreal, Quebec, Canada, assignor to Donmac Products Corporation, New York, N. Y. Vehicle axle. 1,744,655; Jan. 21.
- Mackenzie, Donald G., Montreal, Quebec, Canada, assignor to Donmac Products Corporation, New York, N. Y. Rear-axle structure and driving mechanism. 1,765,986; June 24.
- Mackenzie, Donald G., Westmount, Quebec, Canada, assignor to Donmac Products Corporation, New York, N. Y. Engine construction. 1,777,007; Sept. 30.
- Mackenzie, Franklin H., Bywood, Pa. Radiofrequency amplifying system. 1,770,541; July 15.
- Mackenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt butting and tacking machine. 1,747,553; Feb. 18.
- MacKenzie, John A., Los Angeles, Calif. Fluid-treating apparatus. 1,782,735; Nov. 25.
- MacKenzie, Leon R., Des Moines, Iowa. Pavement grid structure. 1,764,845; June 17.
- MacKenzie, Philip, assignor, by mesne assignments, to Gat Gun Lubricating Corporation, Oakland, Calif. Metallic hose. 1,774,986; Sept. 2.
- Mackey, Alexander C. (See Brewin, H. E., and Mackey.)
- Mackey, Walter J., Detroit, Mich. Valve-actuated switch. 1,762,066; June 3.
- Mackie, Charles P. (See Claytor, Edwin E., assignor.)
- Mackie, James, and Sons Limited. (See Mackie, John P., assignor.)
- Mackie, James E., and A. J. Smith, Long Beach, Calif. Floor sleeper. 1,781,117; Nov. 11.
- Mackie, John P., assignor to James Mackie and Sons Limited, Albert Foundry, Belfast, Ireland. Delivery of slivers from textile machines into cans. 1,747,017; Feb. 11.
- Mackie, John P., assignor to James Mackie and Sons Limited, Belfast, Ireland. Doffing mechanism for spinning, twisting, and like machines. 1,752,678; Apr. 1.
- Mackie, John P., known as J. P. Mackie, assignor to James Mackie and Sons Limited, Albert Foundry, Belfast, Ireland. Delivery of slivers from textile machines into cans. 1,777,442; Oct. 7.
- Mackie, Richard W., Winthrop, Mass. Collar support. 1,744,778; Jan. 28.
- Mackie, Robert A., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Emergency exit for vehicles. 1,760,422; May 27.
- Mackie, Vernon R. (See Eull, W. A., and Mackie.)
- Mackin, Henry J., Chicago, Ill. Venetian blind. 1,755,448; Apr. 22.
- Mackin, Joseph F., Columbus, Ohio. Device for testing clays and the like. 1,785,521; Dec. 16.
- Mackin, Samuel, Laredo, Tex. Well-testing device. 1,760,707; May 27.
- MacKinnon, Archibald, New York, N. Y. Table. 1,758,196; May 13.
- MacKinnon, John R., Boston, Mass. Door-securing device. 1,773,233; Aug. 19.
- Mackley, Alfred H., Bedford, and W. S. Flight, Baling, London, England. Wireless receiving apparatus. 1,769,443; July 1.
- Macklin, Are L., Detroit, Mich. Electric toy. 1,753,127; Apr. 1.
- Mackres, Vasilios S., Brockton, Mass. Apparatus for cleaning glassware. 1,767,537; June 24.
- MacLachlan, Allan F., Chicago, Ill. Manufacturing asphalt by oxidizing heavy petroleum hydrocarbons. 1,774,756; Sept. 2.
- MacLachlan, John C., Chicago, Ill. Distributing head for drying apparatus. 1,742,478; Jan. 7.
- MacLachlan, John C., Chicago, Ill. Molasses and cereal product and making. 1,774,802; Sept. 2.
- MacLachlan, John D., assignor, by mesne assignments, to Mac-Ad-Co., Kansas City, Mo. Automatic advertising machine. 1,767,804; June 24.
- MacLagan, Hector P., Oak Park, Ill. Device for producing infra-red rays. 1,768,519; June 24.
- MacLaren, Fred B. (See Braselton, C. H., and MacLaren.)

- MacLaren, Fred B., Jamaica, assignor to C. H. Braselton, New York, N. Y. Inertia-operated pump. 1,769,799; July 1.
- MacLaren, Robert, Culross, Scotland. Electrical control apparatus. 1,773,234; Aug. 19.
- MacLaurin, John, Ware, Mass. Sealing tape and manufacturing same. 1,759,124; May 20.
- MacLean, Agnes P., Kentallen, Scotland. Tent. 1,751,518; Mar. 25.
- MacLean-Fogg Lock Nut Company. (See MacLean, John A., assignor.)
- Maclean, James B., London, England. Trap and separator for immiscible liquids. 1,756,869; Apr. 29.
- MacLean, John A., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Unit lock nut. 1,767,219; June 24.
- MacLean, John H., and A. O. Heinzmann, assignors to Economy Baler Company, Ann Arbor, Mich. Baling press. 1,761,447; June 3.
- Maclean, Margaret, San Francisco, Calif. Garment fastener. 1,745,801; Feb. 4.
- MacLean, Margaret L., Niles, Ohio, assignor, by mesne assignments, to American Brown Boveri Electric Corporation, New York, N. Y. Tap changer. 1,759,991; May 27.
- Maclean, Robert, assignor to Amalgamated Roofing Company, Chicago, Ill. Machine for making prepared roofing. 1,774,988; Sept. 2.
- MacLellan, Kenneth F., assignor to Chicago Carton Company, Chicago, Ill. Foldable paper blank and making the same. 1,771,760; July 29.
- MacLellan, William J. (See Gannon, A. E., MacNeil, and MacLellan.)
- MacLellan, William J., Bellflower, Calif., assignor of one-fourth to himself, one-fourth to G. W. Fournier, one-fourth to W. M. Land, and one-fourth to J. H. Rogers. Hose knuckle. 1,754,687; Apr. 15.
- MacLennan, Francis W., Miami, Ariz. Crushing-roll apparatus. 1,761,268; June 3.
- MacLennan, Kenneth M., Ayer, and J. O. Marcelais, Fitchburg, assignors to Safety Clear Vision, Inc., Fitchburg, Mass. Clear-vision device. 1,751,519; Mar. 25.
- MacLeod, Archibald K., Somerville, Mass. Mortising machine. 1,770,542; July 15.
- MacLeod, Daniel T., assignor to Perfex Corporation, Milwaukee, Wis. Automobile body heater. 1,753,382; Apr. 8.
- MacLeod, Donald K., San Francisco, Calif. Ventilating device. 1,750,178; Mar. 11.
- MacLeod, Donald R., F. D. King, Schenectady, N. Y., and E. L. Hough, St. Louis, Mo., assignors to General Electric Company. Automatic control system. 1,754,027; Apr. 8.
- MacLiver, Mary, Trinidad, Colo. Gasoline-theftproof device. 1,766,916; June 24.
- Macloskie, George. (See Ives, C. A., and Macloskie.)
- MacMahon, James D., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chlorine-weighing apparatus. 1,766,788; June 24.
- MacMahon, Richard R. (See Busby, Robert S., assignor.)
- MacMartin, Frank W., assignor to The Lamson Company, Syracuse, N. Y. Carrier for dispatch systems. 1,787,206; Dec. 30.
- MacMechan, Dunbar D., et al. (See Carroll, Edward L., assignor.)
- MacMeekin, John A. (See Patterson, Isaiah D., assignor.)
- MacMichael, Hugh R., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Operating mechanism for Scotch hearths. 1,781,025; Nov. 11.
- MacMillan & Co. (See MacMillan, Daniel W., assignor.)
- MacMillan, Daniel W., assignor to MacMillan & Co., Inc., Providence, R. I. Multiple machine. 1,775,401; Sept. 9.
- MacMillan, Frank, Fort Lee, N. J. Skate. 1,771,855; July 29.
- MacMillen, John W., Los Angeles, Calif. Duplex switch or outlet box. 1,776,126; Sept. 16.
- MacMillen, William C., Rochester, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid-overflow-control means. 1,783,249; Dec. 2.
- MacMiller, Carl A., Hibbing, Minn. Heater. 1,768,123; June 24.
- MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of new hypochlorite compositions. 1,754,475; Apr. 15.
- MacMullin, Robert B., and M. C. Taylor, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Production of new hypochlorite compositions. 1,754,474; Apr. 15.
- MacMullin, Robert B., and M. C. Taylor, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Hypochloride composition. 1,787,048; Dec. 30.
- MacMullin, Robert B., and M. C. Taylor, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Producing new hypochlorite composition. 1,787,080; Dec. 30.
- MacMullin, Robert B., and J. A. Guyer, La Salle, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of calcium hypochlorite. 1,754,473; Apr. 15.
- MacNabb, Keith C., assignor to Findlay Bros Co., Limited, Carleton Place, Ontario, Canada. Electric heating element. 1,755,929; Apr. 22.
- MacNeil, James F. (See Gannon, A. E., MacNeil, and MacLellan.)
- MacNeill, George L., Wilkinsburg, assignor to Elliott Company, Pittsburgh, Pa. Condenser. 1,761,801; June 17.
- MacNeill, George L., Reading, Pa. Condensing apparatus. 1,769,746; July 1.
- MacNeill, John B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,757,643; May 6.
- MacNeill, John B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,757,915; May 6.
- MacNeill, John B., Wilkinsburg, A. H. Bakken and C. A. Tucker, Edgewood Park, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control mechanism. 1,763,168; June 10.
- Macneir, Donald B., New York, N. Y. Railway tie. 1,784,606; Dec. 9.
- Macomber, Lynn W., assignor to United Steel and Wire Company, Battle Creek, Mich. Poultry coop or crate. 1,752,098; Mar. 25.
- Macomber, Stanley, Edgefield District, Stark County, assignor to The Macomber Steel Company, Canton, Ohio. Making structural units. 1,748,423; Feb. 25.
- Macomber, Stanley, Edgefield District, assignor to The Macomber Steel Company, Canton, Ohio. Structural unit. 1,766,181; June 24.
- Macomber Steel Company, The. (See Macomber, Stanley, assignor.)
- Macomber, Walter G., Los Angeles, Calif. Sprinkler head. 1,760,201; May 27.
- Macomic, Chester A., Chicago, Ill., assignor to Patent Product Corporation of Chicago, Wilmington, Del. Pattern bed for typecasting machines and the like. 1,753,438; Apr. 8.
- Macomic, Chester A., Chicago, Ill., assignor to Patent Products Corporation of Chicago, Wilmington, Del. Pattern-setting mechanism for type-casting machines and the like. 1,775,882; Sept. 16.
- Macomic, Chester A., Chicago, Ill., assignor to Patent Product Corporation of Chicago, Wilmington, Del. Drive and release mechanism for type-casting matrix strips. 1,777,268; Sept. 30.
- MacPherson, Earl S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Manifold. 1,785,869; Dec. 23.
- MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Steering-gear mechanism. 1,754,632; Apr. 15.
- MacPherson, Earle S., assignor to Hupp Motor Car Corp., Detroit, Mich. Cooling system. 1,754,689; Apr. 15.
- MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Manifold. 1,756,161; Apr. 29.
- MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Crank-case-ventilating system. 1,777,319; Oct. 7.
- MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Lubricating system. 1,779,912; Oct. 28.
- MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Crank-case ventilator. 1,781,405; Nov. 11.
- MacPherson, Earle S., assignor to Hupp Motor Car Company, Detroit, Mich. Axle mounting. 1,781,406; Nov. 11.
- MacPherson, James R., and P. E. Hill, assignors, by mesne assignments, to American Automatic Typewriter Co., Chicago, Ill. Pneumatic operating mechanism for typewriters. 1,777,212; Sept. 30.
- MacPherson, Martyn C., assignor to C. R. Fahey, Hayes, England. Braking of the undercarriage or landing wheels of aeroplanes and like aircraft. 1,749,495; Mar. 4.
- MacPherson, Warren, Cambridge, and E. W. Dunbar, Hudson, assignors to Cambridge Rubber Company, Cambridge, Mass. Overshoe. 1,750,179; Mar. 11.
- Macrae, James D., A. Macdonald, and K. A. Macrae, Bonarbridge, Scotland. Lamp for vehicles. 1,779,180; Oct. 21.
- Macrae, James N., Jersey City, N. J., assignor to Petroleum Heat and Power Company, New York, N. Y. Valve mechanism. 1,772,588; Aug. 12.
- Macrae, John M., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Milling machine. 1,743,150; Jan. 14.
- Macrae, Kenneth A. (See Macrae, J. D., Macdonald, and Macrae.)
- Macready, Charles A., Springfield, Mass. Cigarette holder. 1,776,563; Sept. 23.
- Macready, George A., Los Angeles, Calif. Apparatus for making production tests in well drilling. 1,776,917; Sept. 30.
- Macready, George A., Los Angeles, Calif. Recoverable well packer and fluid sampler. 1,776,918; Sept. 30.
- MacRoh Sales & Mfg. Company. (See Rohwedder, Otto F., assignor.)
- Macy, Alfred J., Evanston, assignor of one-fourth to J. L. Lynch, Oak Park, Ill. Remote-control dirigible lighting device. 1,743,224; Jan. 14.
- Macy, Ishmael W., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Hoisting bucket. 1,772,777; Aug. 12.

- Maddalena, Louis, New York, N. Y. Chicken-brooder stove. 1,749,710; Mar. 4.
- Madden, Edward J., Detroit, Mich. Vehicle brake. 1,786,856; Dec. 30.
- Madden, Edward J., Detroit, Mich. Vehicle brake. 1,786,912; Dec. 30.
- Madden, Harry D., Montclair, N. J., assignor to Westinghouse Lamp Company. Heat treating electrical devices. 1,758,004; May 13.
- Madden, James J., Lakewood, Ohio. Fixture stud. 1,769,379; July 1.
- Madden, Jesse F., Rockville Center, N. Y. Combined guide and cleaner. 1,774,987; Sept. 2.
- Madden, Jesse F., Rockville Center, N. Y., and E. E. Overholt, Washington, D. C., assignors to Page-Madden Company, Brooklyn, N. Y. Washboard-tensioning device. 1,756,649; Apr. 29.
- Madden, Thomas E., Newark, N. J. Inked stamp. 1,782,877; Nov. 25.
- Madden, William H., Mt. Pleasant, Tex. Plow. 1,785,964; Dec. 23.
- Madden, William R., et al. (See Farmer, Thomas A., assignor.)
- Madden, Wyndham R., Bamberton, Vancouver Island, British Columbia, Canada. Stirrup for concrete reinforcing unit. 1,759,316; May 20.
- Maddocks, John F., and R. H. Whitman, Newport, R. I. Article carrier. 1,778,425; Oct. 14.
- Maddox, James E., Louisville, Ky. Smoking pipe with removable inner bowl. 1,769,354; July 1.
- Maddox, Robert A., assignor to General Sewer Flusher Company, Inc., Los Angeles, Calif. Sewer-flushing mechanism. 1,770,038; July 8.
- Maddox, William J., Jamestown, N. Y. Rubbing, sanding, and polishing machine. 1,773,466; Aug. 19.
- Madine, John J., assignor to Sun Ray Gas Corporation, Cleveland, Ohio. Luminous electrical discharge tube. 1,764,048; June 17.
- Madison, Joseph H., Whitmans, W. Va. Rail track. 1,747,945; Feb. 18.
- Madison-Kipp Corporation. (See Roberts, George H., assignor.)
- Madland, Gabriel, and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Hasp construction. 1,768,124; June 24.
- Madland, Gabriel, and K. J. Tobin, assignors to Camel Co., Chicago, Ill. Door-locking mechanism for house cars. 1,767,251; June 24.
- Madlung, Totila. (See Eller, W., and Madlung.)
- Madorie, Otto H., Marshall, Mo. Airplane control stick. 1,755,124; Apr. 15.
- Madorsky, Samuel L., assignor to Gathmys Research Corporation, Chicago, Ill. Direct reduction of iron from its ores. 1,768,622; July 1.
- Madsen Iron Works. (See Madsen, Martin, assignor.)
- Madsen, Louis P. (See Kennedy, R. O., and Madsen.)
- Madsen, Martin, Monterey Park, Calif. Air purifier. 1,768,468; June 24.
- Madsen, Martin, assignor to Madsen Iron Works, Huntington Park, Calif. Batch box. 1,764,327; June 17.
- Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Window-frame machine. 1,756,296; Apr. 29.
- Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Straight-line overhead cut-off saw. 1,764,965; June 17.
- Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Ironing-board structure. 1,765,343; June 17.
- Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Bearing mounting. 1,781,467; Nov. 11.
- Madsen, Sern, assignor to Curtis Companies, Incorporated, Clinton, Iowa. Sash lock for casement sash. 1,781,468; Nov. 11.
- Madsen, Soren, Astoria, N. Y., assignor of one-fourth to J. F. O'Brien, Englewood, N. J. Fare register. 1,775,031; Sept. 2.
- Maedgen, Nannie E., Troy, Tex. Washing-machine appliance. 1,760,202; May 27.
- Maeding, Charles T. (See Gage, C. S., and Maeding.)
- Maehren, George, Pacific Grove, assignor of one-third to R. Elio and one-third to F. H. Davis, Monterey, Calif. Electromagnetic sound reproducer. 1,751,284; Mar. 18.
- Maerlender, Henry G. and H. A., Cleveland, Ohio. High-frequency transformer. 1,784,297; Dec. 9.
- Maerlender, Hugo A. (See Maerlender, Henry G. and H. A.)
- Maes, Jules. (See Zauner, Sebastian A., assignor.)
- Maes, Michael, Cincinnati, Ohio. Folding table and bench. 1,783,660; Dec. 2.
- Maes, Robert E., Chicago, Ill., assignor to International Harvester Company. Teat cup for milking machines. 1,769,032; July 1.
- Maehlen, Adolph, assignor to Williamsport Mirror & Glass Co., Williamsport, Pa. Ventilator. 1,780,491; Nov. 4.
- Mafera, Guy, Revere, Mass. Bending machine. 1,771,051; July 22.
- Maffoni, Henry, Queens Village, N. Y. Thermostat heater for destroying moths. 1,766,525; June 24.
- Magazine Repeating Razor Company. (See Schick, Jacob, assignor.)
- Magdits, Casimir, Merrick, N. Y. Boat. 1,776,319; Sept. 23.
- Magee Carpet Co., The. (See McCollum, Alfred F., assignor.)
- Magee, Chauncey L. C., and B. S. Pfeiffer, Chicago, Ill. Friction gripping mechanism. Re17,849; Oct. 28.
- Magee, George E. (See Fabe, I. G., and Magee.)
- Magee, Gerald M., Kansas City, Mo. Railway-track rail. 1,763,472; June 10.
- Magee, James M., et al. (See Palmer, John V., assignor.)
- Magee, John, Detroit, Mich. Piston ring. 1,755,402; Apr. 22.
- Magee, Wilber R., Ann Arbor, Mich. Gauge for sheet-edge-bending machines. 1,742,479; Jan. 7.
- Magee, Wilber R., Ann Arbor, Mich. Gauge for sheet-metal-edge-bending machines. 1,763,797; June 17.
- Magee, Wilber R., Ann Arbor, Mich. Sheet-metal-edging machine. 1,779,974; Oct. 28.
- Mageoch, Harry Y., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lighting unit. 1,787,279; Dec. 30.
- Maggio, Salvator, Pittsburgh, Pa. Picture frame. Des. 82,842; Dec. 16.
- Magidson, Frank, et al., trustees. (See Magidson, Frank, assignor.)
- Magidson, Frank, assignor to J. S. Green, Pittsburgh, Pa., and F. Magidson, trustees. Marking tag. 1,761,448; June 3.
- Magidson, Frank, assignor to Pittsburgh Tag Company, Pittsburgh, Pa. Fastener for pin tickets. 1,769,885; July 1.
- Magill, Charles T., Clarkdale, Ariz. Signal-controlling means. 1,777,213; Sept. 30.
- Magill, Donald G., Chicago, Ill., assignor to American Can Company, New York, N. Y. Salt-can spout. 1,754,476; Apr. 15.
- Magill, Ellen W., Chicago, Ill. Convertible vehicle body. 1,764,328; June 17.
- Magill, Vaughan N., St. Albans, N. Y. Method of and mechanism for watermarking and cutting paper. 1,757,204; May 6.
- Magill-Weinsheimer Company. (See Backmyer, Christopher F., assignor.)
- Magill-Weinsheimer Company. (See Gourlay, A. H., and Skogh, assignors.)
- Maglein, Albert W. (See Fugle, C. H., Ostenberg, Maglein, and Trudo.)
- Maglein, Albert W. (See Fugle, C. H., Ostenberg, Maglein, Trudo, and Newton.)
- Magnavox Company, The. (See Albertus, Carl R., assignor.)
- Magnavox Co., The. (See Pridham, E. S., and Jensen, assignors.)
- Magner, James E., Waterloo, Iowa. Pipe wrench. 1,745,224; Jan. 28.
- Magnesium Company Limited, The. (See Ashcroft, Edgar A., assignor.)
- Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Elektromagnet-Apparate. (See Schünemann, Paul, assignor.)
- Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Elektromagnet-Apparate. (See Wittkuhns, Bruno, assignor.)
- Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Elektromagnet-Apparate. (See Wittkuhns, Bruno, assignor.)
- Magnet-Werke G. m. b. H. Eisenach Spezialfabrik für Elektromagnet-Apparate. (See Bing, Julius, assignor.)
- Magnetic Organ Action Company. (See Brown, Vernie R., assignor.)
- Magnetic Organ Action Company. (See Waters, Harry F., assignor.)
- Magnetic Organ Action Company. (See Waters, H. F., and Brown, assignors.)
- Magney, Gottlieb R. (See Foshay, W. B., and Magney.)
- Magni, Umberto, Los Angeles, Calif. Revolving lamp. 1,778,861; Oct. 21.
- Magnuson, Oscar S., Davenport, Iowa. Safety latch for doors. 1,754,958; Apr. 15.
- Magnuson, Paul B., assignor to Sharp & Smith, Inc., Chicago, Ill. Bone saw. 1,770,240; July 8.
- Magnuson, Roy M., assignor to Sterling Pump Works, Stockton, Calif. Automatic oiling system for deep-well turbine pumps. 1,750,898; Mar. 18.
- Magnuson, Roy M., assignor to Sterling Pump Works, Stockton, Calif. Deep-well turbine-pump drive. 1,772,778; Aug. 12.
- Magnusson, Joseph, and C. R. Fredsell, assignors to McDonald Engineering Corporation, New York, N. Y. Registering mechanism. 1,743,018; Jan. 7.
- Magnusson, Oscar, Livingston, Mont. Logging tool. 1,744,909; Jan. 28.
- Magrath, George H., Whitinsville, Mass. Bobbin clutch. 1,779,099; Oct. 21.
- Magrath, George H., Whitinsville, Mass. Bearing support for spinning or twisting spindles. 1,786,252; Dec. 23.
- Magri, Luigi. (See Zambelli, R., Sarchi, and Magri.)
- Magrini, Luigi, Bergamo, Italy. Oil switch. 1,771,501; July 29.
- Maguire, Charles W., Verona, N. J. Apparatus for making backs for brushes. 1,746,013; Feb. 4.
- Mahaffey, Dwight W., Morral, Ohio. Bag holder. 1,782,736; Nov. 25.
- Mahan, Charles B., assignor to F. A. Smith Manufacturing Company, Inc., Rochester, N. Y. Electric cigar lighter. 1,757,255; May 6.

- Mahan, Charles B., and C. M. Weber, Rochester, N. Y., assignors to Weber Machine Corporation. Wire-stripping machine. 1,784,298; Dec. 9.
- Mahan, Charles E., jr. (See Arthur, Ernest L., assignor.)
- Mahan, Joseph R., assignor to The National Supply Company, Toledo, Ohio. Gear-reduction means. 1,746,599; Feb. 11.
- Mahan, Joseph R., assignor to The National Supply Company, Toledo, Ohio. Pump-lubrication system. 1,747,872; Feb. 18.
- Mahan, Joseph R., assignor to The National Supply Company, Toledo, Ohio. Back-pressure valve for drill pipes. 1,767,538; June 24.
- Mahan, Joseph R., and J. B. Picard, assignors to The National Supply Company, Toledo, Ohio. Jack frame for well pumps. 1,752,647; Apr. 1.
- Mahan, Joseph R., and D. E. Wright, assignors to The National Supply Company, Toledo, Ohio. Casing head. 1,747,782; Feb. 18.
- Mahan, Joseph R., Toledo, assignor to The National Supply Company, Toledo, Ohio. Stuffing box. 1,775,729; Sept. 16.
- Mahan, William J., New Haven, Conn. Conduit bushing. 1,775,352; Sept. 9.
- Mahana, Charles G., Three Rivers, Mich., assignor to Fairbanks Morse & Co., Chicago, Ill. Railway motor car. 1,745,630; Feb. 4.
- Maher, Harry L., and W. A. Andrews, Detroit, assignors to Ford Motor Company, Highland Park, Mich. Electrical generator for welding or the like. 1,778,640; Oct. 14.
- Maher, James M., et al. (See Pollock, Oscar, assignor.)
- Maher, John, Cleveland, Ohio. Electric signaling system and apparatus. 1,774,025; Aug. 26.
- Mahler, Ernst, and C. G. Bright, assignors to Paper Patents Company, Neenah, Wis. Apparatus for the manufacture of ornamental paper. 1,767,252; June 24.
- Mahler, George T. (See Bunce, E. H., and Mahler.)
- Mahler, Johann, assignor to the firm: Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Fuel pump for multicylinder internal-combustion engines. 1,752,386; Apr. 1.
- Mahler, Johann, assignor to the firm: Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany. Injection piping for internal-combustion engines with solid-fuel injection. 1,758,366; May 13.
- Mahler, Johann, assignor to the firm: Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany. Fuel pump of internal-combustion engines. 1,762,232; June 10.
- Mahler, Johann, assignor to Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany. Fuel-charging pump. 1,767,597; June 24.
- Mahler, Josef, Nemecky Brod, Czechoslovakia, assignor to Fidelity Machine Company, Philadelphia, Pa. Producing patterns on plated knitting and the corresponding product. 1,768,125; June 24.
- Mahler, Joseph, assignor to the firm of Carl Zeiss, Jena, Germany. Repeating theodolite. 1,777,853; Oct. 7.
- Mahler, Paul, assignor to Darco Sales Corporation, New York, N. Y. Treating dye effluents. 1,747,175; Feb. 18.
- Mahlie, Carl C. (See Nead, J. H., Wehr, and Mahl.)
- Mahlie, Carl C. (See Wehr, E. R., and Mahl.)
- Mahlke, Paul, Cologne-Nippes, assignor to Felten & Guillaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. High-tension cable. 1,750,111; Mar. 11.
- Mahlstedt, John F., Los Angeles, Calif. Egg-inspection apparatus. 1,764,802; June 17.
- Mahnke, Kurt. (See Korte, A. C., Redeker, and Mahnke.)
- Mahnke, Walter L. (See Fanslau, H. L., and Mahnke.)
- Mahon, Herbert G. B., Newcastle-on-Tyne, England. Water-gauge glass. 1,772,908; Aug. 12.
- Mahon, Lee H., Norphlet, Ark. Casing suspension head. 1,782,737; Nov. 25.
- Mahon, R. C., Company, The. (See Miller, William G., assignor.)
- Mahoney, Frank D., San Anselmo, Calif. Portable elevator. 1,758,262; May 13.
- Mahoney, Orville P., Joplin, and J. R. Key, Carthage, Mo. Road-grading machine. 1,775,314; Sept. 9.
- Mahr, Carl E., Root, N. Y. Game. 1,757,870; May 6.
- Mahr, Julius A., Minneapolis, Minn. Wheel and wheel journal. 1,786,764; Dec. 30.
- Mahr Manufacturing Company. (See Hortvet, Richard M., assignor.)
- Maickel, Joseph, Butte, Mont. Dressing device for abrasive wheels. 1,766,029; June 24.
- Maida, Nicolo, et al. (See Arico, Joseph, assignor.)
- Majer, Albert, assignor to Zahnradfabrik Aktiengesellschaft, Friedrichshafen, Germany. Gear. 1,749,828; Mar. 11.
- Majer-Behring, John, Philadelphia, Pa. Device for relieving resistance and propelling flying, swimming, and other moving bodies. 1,748,697; Feb. 25.
- Majer, Carl, and W. Swaysland, Cleveland, Ohio. Producing designs and articles for use therein. 1,778,397; Oct. 14.
- Majer, Charles E., Newark, N. J. Decorative wall structure. 1,752,679; Apr. 1.
- Majer, Charles J., et al. (See Lofy, George C., assignor.)
- Majer, firm of Gustav. (See Mirz, Cuno, assignor.)
- Majer, George M., Pelham, assignor to American Radiator Company, New York, N. Y. Gas valve. 1,757,126; May 6.
- Majer, John D., Charlestown, Md. Reamer for smokers' pipes. 1,746,086; Feb. 4.
- Majer, Karl, assignor to Union Special Maschinenfabrik, Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Festoon-sewing machine. 1,762,479; June 10.
- Majer, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Apparatus for producing trimming strips. 1,764,846; June 17.
- Majer, Karl, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Sewing machine and actuating mechanism therefor. 1,765,927; June 24.
- Majer, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Apparatus for forming bags. 1,768,126; June 24.
- Majer, Karl, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Friction-clutch driving mechanism. 1,786,955; Dec. 30.
- Majer, Stanley, Detroit, Mich. Safety landing device. 1,770,528; July 15.
- Mailoux, Alexis. (See Hamel, Joseph P., assignor.)
- Main, Frank L., Jackson, assignor to General Motors Corporation, Detroit, Mich. Wheel construction. 1,761,928; June 3.
- Main, Frank L., Jackson, assignor to General Motors Corporation, Detroit, Mich. Disk wheel. 1,761,937; June 3.
- Main, Otha E., and L. L. Smelser, assignors to Main Toy Company, Oskaloosa, Iowa. Toy builders. 1,746,839; Feb. 11.
- Main Toy Company. (See Main, O. E., and Smelser, assignors.)
- Maine Electric Company, The. (See Enard, Hans, assignor.)
- Maine, Elmer S., Chicago, Ill. Power drive attachment. 1,758,527; May 13.
- Maine, Elmer S., Dover, N. J., assignor to Maine Industries Corporation, Chicago, Ill. Mowing machine. 1,778,862; Oct. 21.
- Maine Industries Corporation. (See Maine, Elmer S., assignor.)
- Mainello, Julie, and J. P. Bacca, Trinidad, Colo. Wire guard. 1,759,125; May 20.
- Mairich, Arthur, Berlin, Germany. Dough-dividing machine. 1,742,774; Jan. 7.
- Maisch, Oliver M., Chicago, Ill. Cutter. 1,753,935; Apr. 8.
- Maise, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Vehicle body and top construction. 1,772,779; Aug. 12.
- Maish, Ralph A., assignor to Dennison Manufacturing Company, Framingham, Mass. Index tab and method. 1,785,780; Dec. 23.
- Maison, Edmund R., Mount Clemens, Mich. Guide for cables and the like. 1,749,146; Mar. 4.
- Maiuri, Guido. (See Anderson, A. E., Maiuri, and Bossini.)
- Maiuri, Guido. (See Bossini, R. F., and Maiuri.)
- Maiwurm, Paul, assignor of ten per cent to J. C. Twelker, San Diego, Calif. Aircraft. 1,743,467; Jan. 14.
- Majer, Carl T., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Grille front for radiocabinets and loud-speakers. Des. 80,629; Mar. 4.
- Majer, Christian, Tubingen, Germany. Process and apparatus for producing paper sleeves and coils with reinforcements wound around. 1,765,928; June 24.
- Majestic Company, The. (See Triggs, K. F., and Redrup, assignors.)
- Majestic Lamp Works. (See Colucci, John M., assignor.)
- Majestic Lamp Works. (See Cricchio, Paul, assignor.)
- Majestic Manufacturing Company. (See Morley, Guilford S., assignor.)
- Majestic Mills Paper Co. Inc. (See Greenhaus, Abraham S., assignor.)
- Major, Emil, Budapest, Hungary. Device for the care of the teeth and mouth. 1,769,747; July 1.
- Major Equipment Co. (See Major, Roscoe E., assignor.)
- Major, George D., Cumberland, Md. Motor generator. 1,785,965; Dec. 23.
- Major, Joseph D., Philadelphia, Pa. Awning clip. 1,762,024; June 3.
- Major, Roscoe E., Chicago, Ill., assignor to Major Equipment Co., Inc. Lens-holding lock for reflectors. 1,781,729; Nov. 18.
- Majors, Walter L., St. Louis, Mo. Heating apparatus. 1,783,576; Dec. 2.
- Majuschak, Joseph, Lyndhurst, N. J. Window ventilator. 1,782,098; Nov. 18.
- Maker, Frank L., J. L. Cooley, Berkeley, and C. F. Tuttle, Richmond, assignors to Standard Oil Company of California, San Francisco, Calif. Apparatus for hydrolyzing acid sludge. 1,760,246; May 27.
- Maki, Frank E., Duluth, assignor of one-half to M. Nieminen, Duluth, Minn. Damper control. 1,777,854; Oct. 7.
- Maki, Julius, Chicago, Ill., assignor to The Whelco Engineering & Manufacturing Company. Adjustable catch keeper. 1,749,742; Mar. 4.
- Maki, Pete, et al. (See Reini, Jack, assignor.)
- Makino, Fred K. (See Tanigawa, Tomizo, assignor.)
- Makoski, Alexander, J. W., and W. J. Grand Rapids, Mich.; said A. Makoski and said J. W. Makoski, assignors to said W. J. Makoski. Adjustable typewriter stand. 1,783,661; Dec. 2.
- Makoski, Joseph W. (See Makoski, Alexander, J. W., and W. J.)
- Makoski, Walter J. (See Makoski, Alexander, J. W., and W. J.)

- Makowski, John F., Stockton, Calif., assignor to Fire Proof Wall Company, Reno, Nev. Lintel construction. 1,762,662; June 10.
- Makowski, John F., Stockton, Calif., assignor to Fire Proof Wall Company, Reno, Nev. Building-form construction. 1,779,007; Oct. 21.
- Makowski, John F., Oakland, Calif., assignor to Fireproof Wall Company. Mounting plaster lath. 1,779,184; Oct. 21.
- Makowski, John F., Oakland, Calif., assignor to Fireproof Wall Company, Reno, Nev. Conduit construction. 1,783,178; Dec. 2.
- Maksik, Samuel, assignor to Michel, Maksik & Feldman, Inc., New York, N. Y. Hand bag. 1,769,930; July 8.
- Malas, James. (See Woelfer, Otto, assignor.)
- Malcolm, Edward B., Montreal, Quebec, Canada. Panel roof for closed cars. 1,785,908; Dec. 23.
- Malcolm, Robert, et al. (See Davin, Walter W., assignor.)
- Malcolm, Vincent T., assignor to Chapman Valve Manufacturing Company, Indian Orchard, Mass. Valve. 1,778,765; Oct. 21.
- Malcom, Dolor F. (See Matthews, O. C., and Malcom.)
- Malcom, Robert, Chicago, Ill. Shield. 1,759,317; May 20.
- Malcom, Robert, Chicago, Ill. Goggles. 1,784,151; Dec. 9.
- Maldari, Daniel, Brooklyn, N. Y. Macaroni die. 1,772,872; Aug. 12.
- Male, René, Arcueil, France. Dough-molding machine. 1,755,963; Apr. 22.
- Malebranche, Paul B., Lansdowne, Pa. Abrading and polishing device and making same. 1,779,975; Oct. 28.
- Malepsky, Charles, Eaton Rapids, assignor to Anthony Lienhart, Stockbridge, Mich. Agricultural machine. 1,743,151; Jan. 14.
- Maletsky, Fabian. (See Schlageter, F., and Maletsky.)
- Malisoff, William M., et al. (See Hamilton, Erwin H., assignor.)
- Malkasian, Ardashes, Eugene, Oreg. Shampooing soap. 1,775,469; Sept. 9.
- Malkin, Bernard A., Lachine, Quebec, Canada. Drive for paper-making machines. 1,769,355; July 1.
- Malkin, John E., New York, N. Y. Sparkler toy. 1,781,516; Nov. 11.
- Malkin, Joseph D. (See Thomas, O. K., and Malkin.)
- Malkin, Joseph D., et al. (See Freydenberg, A., and Marcus, assignors.)
- Malkin, Joseph D., et al. (See Marcus, Jacob, assignor.)
- Mallard, Logan L., Norfolk, Va. Tractor toy. 1,760,423; May 27.
- Mallay, Paul D., Mount Vernon, assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Pipe covering. 1,742,775; Jan. 7.
- Malleable Iron Fittings Company. (See Hammer, F. L., Smith, and Esborn, assignors.)
- Malleable Iron Fittings Company. (See Pickop, George B., assignor.)
- Malleable Iron Fittings Company. (See Williams, Rolland G., assignor.)
- Malleable Iron Range Company. (See Rogers, Frederick W., assignor.)
- Mallery, Arlington H., assignor to Mallery Process Corporation, New York, N. Y. Utilizing residue oils containing water. 1,747,375; Feb. 18.
- Mallery Process Corporation. (See Mallery, Arlington H., assignor.)
- Mallet, Marcel, Paris, France, assignor to Newton Chambers and Company, Limited, Thorncliffe Ironworks and Collieries, near Sheffield, England. Gas washer. 1,743,974; Jan. 14.
- Mallett, Charles S., and G. W. Heinbuch, Toronto, Ontario, Canada, assignors to General Electric Company. Electric beater. 1,773,687; Aug. 19.
- Malleville, Jean P. M., Paris, France. Universal clamping-screw collar. 1,778,504; Oct. 14.
- Mallick, Hermann, Duren, Rhineland, Germany. Refining engine. 1,763,532; June 10.
- Mallinckrodt Chemical Works. (See Farr, Henry V., assignor.)
- Malling, Arthur, assignor to The Schwenger-Klein Company, Cleveland, Ohio. Refrigerator counter. 1,751,285; Mar. 18.
- Mallinson, H. R., & Co. (See Kenton, Edwin C., assignor.)
- Mallory, Bonnie L., Cleveland, Ohio. Shock absorber. 1,769,444; July 1.
- Mallory, Bonnie L., Cleveland Heights, assignor to The Cleveland Shock Absorber Company, Cleveland, Ohio. Shock absorber. 1,786,956; Dec. 30.
- Mallory, Edward B., Tenaflly, N. J. Refrigerator unit. Des. 81,140; May 13.
- Mallory, Edward B., Tenaflly, N. J. Refrigerator unit. Des. 81,141; May 13.
- Mallory, Edward B., Tenaflly, N. J. Refrigerator unit. Des. 81,142; May 13.
- Mallory, Edward B., Tenaflly, N. J. Refrigerator unit. Des. 82,335; Oct. 21.
- Mallory, Edward B., Tenaflly, N. J. Refrigerator unit. Des. 82,336; Oct. 21.
- Mallory, Edward B., Tenaflly, N. J. Refrigerator unit. Des. 82,438; Nov. 4.
- Mallory, Edward B., Tenaflly, N. J. Refrigerator unit. Des. 82,439; Nov. 4.
- Mallory, Edward B., Tenaflly, N. J., assignor to Westinghouse Electric & Manufacturing Company, Horn. 1,771,052; July 22.
- Mallory, Gerald D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Hoist. 1,746,707; Feb. 11.
- Mallory, Gerald D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Protecting the interior surfaces of air bags from deterioration in service. 1,755,069; Apr. 15.
- Mallory, Gerald D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Braiding machine. 1,785,683; Dec. 16.
- Mallory, Harry C., deceased, New York, N. Y.; S. R. Mallory, administratrix. Fuel-feeding system for internal-combustion engines. 1,745,105; Jan. 28.
- Mallory, Harry C., deceased, New York, N. Y.; S. R. Mallory, administratrix. Engine-cooling system. 1,767,598; June 24.
- Mallory Hat Company. (See Reynolds, Ralph K., assignor.)
- Mallory, Marion, Toledo, Ohio. Current controller for engine ignition systems. 1,752,445; Apr. 1.
- Mallory, Marion, Toledo, Ohio. Electrical starting and ignition system. 1,769,150; July 1.
- Mallory, P. R., & Co. (See Weiger, Joseph A., assignor.)
- Mallory, Sue R., administratrix. (See Mallory, Harry C.)
- Malloy, Edward T., Hamilton, Ohio. Caster. Des. 82,337; Oct. 21.
- Malloy, Francis V. (See Schmidt, P., and Malloy.)
- Malloy, Howard, Alma, Mich. Piston. 1,752,994; Apr. 1.
- Malloy, John H., San Diego, Calif. Washing and drying machine. 1,777,008; Sept. 30.
- Malloy, William W., San Pedro, Calif. Wave motor. 1,761,674; June 3.
- Mallouk, Salim N., Brooklyn, N. Y. Embroidered table cover or the like. Des. 81,060; Apr. 29.
- Malluk, Assad M., assignor to Standard Lock and Measure Corporation, New York, N. Y. Combined closure and gauge rod for oil tanks. 1,750,849; Mar. 18.
- Malm, Edward A., Wadena, Minn. Rain drain for window screens. 1,780,492; Nov. 4.
- Malm, Frank S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Composition of matter and its preparation. 1,752,531; Apr. 1.
- Malm, John A., Denver, Colo. Inertia transmission device. 1,746,544; Feb. 11.
- Malm, John A., Denver, Colo. Reversible inertia transmission. 1,746,545; Feb. 11.
- Malm, Royal D., La Grange, Ill. Electric welding. 1,767,220; June 24.
- Malmberg, Axel L., Eagle Cliff, Wash., assignor to M & M Piston and Ring Company, Portland, Oreg. Piston and piston ring. 1,775,288; Sept. 9.
- Malmer, Ivar V., Stockholm, Sweden. Parachute. 1,777,441; Oct. 7.
- Malmgren, Bernard J. (See Gebauer, Herman C., assignor.)
- Malmquist, Adolph K., South Bellingham, Wash. Canning. 1,751,642; Mar. 25.
- Malmquist, Adolph K., South Bellingham, Wash. Vacuum sealing chamber. 1,751,643; Mar. 25.
- Malo, Thomas J., Hammond, Ind. Decarbonizer for internal-combustion engines. 1,772,011; Aug. 5.
- Maloff, Ioury G. (See Cutting, F., and Maloff.)
- Malon, Katherine P. (See Berrigan, John J. and J. B., assignors.)
- Malone, Devi D. (See Hubs, H. E., and Malone.)
- Malone, Herbert E., Riverside, and R. W. Pryor, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Composition of matter. 1,765,597; June 24.
- Malone, John L., Jackson, Tenn. Hydraulic jack. 1,745,024; Jan. 28.
- Malone, John, Longueuil, Quebec, Canada. Passenger car. 1,774,803; Sept. 2.
- Malone, John P., assignor of one-half to A. P. Young, Chicago, Ill. Apparatus and method for chilling meats. 1,780,267; Nov. 4.
- Maloney, Frederick G., H. R. Vogel, and H. B. Wheeler, Winona, Minn. Sign-operating device. 1,747,479; Feb. 18.
- Maloney, William T., Jersey City, N. J., assignor of one-third to A. Winter, New York, N. Y. Magazine pencil. 1,742,711; Jan. 7.
- Malouf, Margaret, Brooklyn, N. Y. Sanitary napkin and supporter. 1,747,901; Feb. 18.
- Malsbary, Job F., Fresno, Calif. Electrical thermostat. 1,752,532; Apr. 1.
- Malsbury, Marshall R., Rantoul, Ill. Soil tester. 1,775,134; Sept. 9.
- Maltby, Sidney T., assignor to Stone Straw Corporation, Washington, D. C. Cut-off mechanism for straw machines. 1,777,802; Oct. 7.
- Malt-O-Matic Corporation. (See Scholl, Willard J., assignor.)
- Maltsberger, George H., DeBeque, Colo. Demountable rim for pneumatic tires. 1,776,695; Sept. 23.
- Maly, Hermann, Guben, Germany. Treating fabrics. 1,778,863; Oct. 21.
- Maly, Hermann, Guben, Germany. Treating dry webs of woven material. 1,787,385; Dec. 30.
- Malyoth, Günther, Munich, Germany. Producing the blast required for blast furnace or similar plants by means of calcium carbide. 1,773,491; Aug. 19.
- Mambourg, Leopold, Lancaster, assignor to Libbey-Owens Glass Company, Toledo, Ohio. Glass tank. 1,751,045; Mar. 18.

- Mambourg, Leopold, Lancaster, assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass edge-forming means. 1,753,749; Apr. 8.
- Mambourg, Leopold, Lancaster, assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass apparatus. 1,759,235; May 20.
- Mambourg, Leopold, Lancaster, assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass apparatus. 1,759,236; May 20.
- Mambourg, Leopold, Lancaster, assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass-width-maintaining device. 1,761,219; June 3.
- Mambourg, Leopold, Lancaster, assignor to Libbey-Owens Glass Company, Toledo, Ohio. Draw pot for sheet-glass apparatus. 1,761,220; June 3.
- Mambourg, Mathias, Luxemburg, Luxemburg. Sheet-metal-pile unit. 1,770,651; July 15.
- Mamiya, Fusajiro, Los Angeles, Calif. Traffic-signal casing. Des. 81,883; Aug. 26.
- Mample, Adolph Z., Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Sectionalizing and terminating lead-sheath cables. 1,769,524; July 1.
- Man, Edward M., Philadelphia, Pa., assignor to John Bromley & Sons, Incorporated. Lace. Des. 81,884; Aug. 26.
- Management and Finance Corporation of California. (See Stewart, James A., assignor.)
- Manassero, Giuseppe, New York, N. Y. Golf tee, 1,783,733; Dec. 2.
- Mancha Storage Battery Locomotive Company. (See Teipel, Joseph, assignor.)
- Manchester, Thomas H. (See Gold, E. H., Manchester, and Russell.)
- Manchester, Thomas H. (See Russell, E. A., and Manchester.)
- Mancusi, Pasquale, Philadelphia, Pa. Tobacco pipe. 1,761,636; June 3.
- Mandelbaum, Maurice H. (See Brown, Herbert E., assignor.)
- Mandell, Ambrose J., Westfield, N. J. Electrode and contact element. 1,769,229; July 1.
- Mandell, Ambrose J., Forest Hills, N. Y. Making porous objects. 1,742,515; Jan. 7.
- Mandeltort, Saul. (See Paull, S., and Mandeltort.)
- Manderfeld, Emanuel C., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,762,999; June 10.
- Mandeville, John L., Arlington, N. J., assignor to The J. B. Colt Company, Burner. 1,780,596; Nov. 4.
- Mandl, Siegmund, Milwaukee, assignor, by mesne assignments, to Husky Corporation, Kenosha, Wis. Wrench outfit. 1,775,402; Sept. 9.
- Mandrich, Bell, Brooklyn, assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Automatic feeder. 1,765,684; June 24.
- Mandrich, Nicholas P., Brooklyn, N. Y. Adjustable monoplane. 1,772,815; Aug. 12.
- Mandy, James, assignor of one-half to M. Ecker, New York, N. Y. Laundry hanger. 1,783,578; Dec. 2.
- Maness, Maggie J., Rome, Ga. Culinary article. 1,760,525; July 1.
- Maneval, Rex W., Frankfort, Kans. Ventilation-controlling means for chicken brooders. 1,759,515; May 20.
- Manfredi, James, Corona, N. Y. Game board. Des. 81,294; June 3.
- Mangan, Michael R., Chicago, Ill. Wire-spring fabric or the like. 1,765,434; June 24.
- Mangel, Wallie C., Fairfax, Minn. Check hinge. 1,781,185; Nov. 11.
- Manger, Charles F. (See Bentley, P. A., Manger, and Wainwright.)
- Mangham, Leonard, assignor to Mangham's Automatic Needle Changer Limited, Wellington, New Zealand. Changing the needles of gramophones and like machines. 1,781,587; Nov. 11.
- Mangham's Automatic Needle Changer Limited. (See Mangham, Leonard, assignor.)
- Mangin, James, New Brunswick, N. J. Outlet box and support. 1,774,934; Sept. 2.
- Mangin, James, New Brunswick, N. J. Adjustable wall-box strap. 1,774,935; Sept. 2.
- Mangold, William B., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Cup-dispenser support. 1,758,005; May 13.
- Manhattan Electrical Supply Company. (See Hendry, William F., assignor.)
- Manhattan Spring Bed Company, The. (See Massacese, Vincenzo, assignor.)
- Manhattan Wicker Co. (See Forst, John, assignor.)
- Manheimer, Abe, & Company. (See Dugan, Earl T., assignor.)
- Manierre, George, Milwaukee, Wis. Loading machine. 1,768,852; July 1.
- Manifold, Richard G., assignor to The Frontier Development Company, Los Angeles, Calif. Rotary gate valve. 1,760,951; June 3.
- Mankenberg, Erwin, Berlin-Treptow, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Developing photographic reversal films. 1,780,925; Oct. 28.
- Manker, Forrest W., assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Conveyor system for heat-treating furnaces. 1,762,067; June 3.
- Manley, Everett R., Fairmont, W. Va. Adjustable rotary pressing machine. 1,768,469; June 24.
- Manley, Frederick T. (See Holmes, R. C., and Manley.)
- Manley Manufacturing Company. (See Manley, Robert E., assignor.)
- Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Hydraulic press. 1,755,403; Apr. 22.
- Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Brake-band drilling and countersinking machine. 1,762,872; June 10.
- Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Press table. 1,758,451; May 13.
- Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Primer for washer pumps. 1,767,767; June 24.
- Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Garage press. 1,772,954; Aug. 12.
- Manley, Robert E., York, assignor to Manley Manufacturing Company, York, Pa. Winch crane. 1,778,805; Oct. 21.
- Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Lever mechanism. 1,783,250; Dec. 2.
- Manley, Sumner M., Glendale, and H. Heitlage, St. Bernard, assignors to The Proctor & Gamble Company, Cincinnati, Ohio. Can and can-opening device. 1,778,602; Oct. 14.
- Manly, Basil M., et al., executors. (See Manly, Charles M.)
- Manly, Charles M., deceased, Richmond Hill; J. M. Manly, W. G. Manly, and B. M. Manly, executors, assignors to Overman Cushion Tire Company, Inc., New York, N. Y. Making tires. 1,762,723; June 10.
- Manly, Charles M., deceased, Kew Gardens, N. Y., by J. M. Manly, Chicago, Ill., B. M. Manly, Washington, D. C., and W. G. Manly, Columbia, Mo., executors, assignors to Overman Cushion Tire Company, Inc. Vehicle tire. 1,780,306; Nov. 4.
- Manly, John, Louisville, Ky. Auto tire lock. 1,774,936; Sept. 2.
- Manly, John M., et al., executors. (See Manly, Charles M.)
- Manly, William G., et al., executors. (See Manly, Charles M.)
- Mann, Arthur H., Nyack, N. Y., assignor, by mesne assignments, to Morse Boulger Destructor Co. Crematory. 1,742,868; Jan. 7.
- Mann, Arthur H., Nyack, N. Y., assignor, by mesne assignments, to Morse Boulger Destructor Co. Apparatus for destroying waste. 1,764,637; June 17.
- Mann, Chauncey R., Troy, N. Y. Game apparatus. 1,783,338; Dec. 2.
- Mann, Edgar. (See Turner, J. W., Wood, and Mann.)
- Mann, Ernest F., Mount Hope, W. Va. Direction-signal casing. Des. 81,546; July 8.
- Mann, Frederick E., Cherrydale, Va. Receptacle support. 1,763,798; June 17.
- Mann, Garfield L., assignor of one-half to W. J. Dimick, Seattle, Wash. Landing net. 1,742,550; Jan. 7.
- Mann, Harry N., Walpole, assignor to Bird & Son, Inc., East Walpole, Mass. Machine for lacquering loaded shotshells. 1,770,620; July 15.
- Mann, John M., Philadelphia, Pa. Transmission. 1,777,099; Sept. 30.
- Mann, Joseph, Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill. Folder support for sewing machines. 1,765,169; June 17.
- Mann, Matthew D., Jr., Roselle, N. J. Stable mixture of petroleum hydrocarbons and alcohols. 1,774,180; Aug. 26.
- Mann, Morris, Brooklyn, N. Y. Beaded shoe buckle or similar article. Des. 80,328; Jan. 14.
- Mann, Morris, Brooklyn, N. Y. Beaded shoe buckle or similar article. Des. 80,329; Jan. 14.
- Mann, Ned H., Los Angeles, Calif. Motion-picture photography. 1,760,156; May 27.
- Mann, Ralph J. (See Ellis, G. H. and Mann.)
- Manners, Clarence G., Crafrers, South Australia, Australia. Wire fence. 1,771,131; July 22.
- Manners, William H., and C. W. Spencer, Krugersdorp, Union of South Africa. Carburetor for internal-combustion engines. 1,772,259; Aug. 5.
- Manners, William H., and C. W. Spencer, Krugersdorp, Transvaal, South Africa. Carburetor for internal-combustion engines. 1,779,886; Oct. 28.
- Manneschmidt, Jacob, Jr., Brooklyn, N. Y. Lamp guard. 1,762,724; June 10.
- Mannhardt, Hans, assignor to W. Mannhardt, Chicago, Ill. Refrigerating medium. 1,778,033; Oct. 14.
- Mannhardt, William. (See Mannhardt, Hans, assignor.)
- Manning, Alfred B., Louisville, Ky. Material conveyer. 1,761,353; June 3.
- Manning, Bowman & Co. (See Young, A. M., and Cuffe, assignors.)
- Manning & Co. (See Leamy, Alan H., assignor.)
- Manning & Co. (See Van Ranst, Cornelius W., assignor.)
- Manning, Edward, Rutland, Vt., assignor to Manning Manufacturing Company. Flush gate and drip valve. 1,776,363; Sept. 23.
- Manning, Ernest W. (See Martin, J. W., and Manning.)
- Manning, Fred W., Berkeley, Calif., assignor to Stewart-Warner Corporation, Chicago, Ill. Process of and apparatus for the continuous refining of lubricating oils of internal-combustion engines. Re17,644; Apr. 15.
- Manning, Fred W., Berkeley, Calif., assignor to Stewart-Warner Corporation, Chicago, Ill. Magazine filter. 1,742,919; Jan. 7.

- Manning, Fred W., Berkeley, Calif., assignor, by mesne assignments, to Filter Fabrics, Inc., Boston, Mass. Reinforced filter paper and making same. 1,782,784; Nov. 25.
- Manning, Fred W., Beverly Hills, Calif., assignor, by mesne assignments, to Filter Fabrics, Inc., Boston, Mass. Making filter papers and filter fabrics. 1,782,785; Nov. 25.
- Manning, Fred W., Berkeley, Calif., assignor, by mesne assignments, to Filter Fabrics, Inc., Boston, Mass. Process of and apparatus for the dry disintegration and deposition of fibers. 1,786,669; Dec. 30.
- Manning, George W., assignor of one-half to R. Weaver, Chicago, Ill. Broom. 1,774,283; Aug. 26.
- Manning, Harry D., Kalamazoo, Mich. Temporary binder. 1,780,429; Nov. 4.
- Manning, Harry W., et al. (See Martin, J. W., and Manning, assignors.)
- Manning, Howard H., assignor to McCrosky Tool Corporation, Meadville, Pa. Rotary cutter. 1,769,230; July 1.
- Manning, Jess A. (See Martin, J. W., and Manning.)
- Manning Manufacturing Company. (See Manning, Edward, assignor.)
- Manning Manufacturing Company (Incorporated) et al. (See Manning, Roy A., assignor.)
- Manning, Maxwell & Moore, Inc. (See Gough, Arthur C., assignor.)
- Manning, Paul A., Madison, Ill., and Joseph W. Gates, St. Louis, Mo. Automatic air release for air brakes. 1,782,268; Nov. 18.
- Manning, Roy A., assignor, by mesne assignments, to Manning Manufacturing Company (Incorporated) Rutland, Vt., and Brooks Cabinet Company, Inc., Norfolk, Va. Ice-cream cabinet. 1,773,191; Aug. 19.
- Manning, Sanford E., Smackover, Ark. Crank arm. 1,742,552; Jan. 7.
- Manning, Thomas, Hot Springs, Ark. Sectional building construction. 1,779,325; Oct. 21.
- Manning, Walter G., assignor of one-half to A. H. Ranes, Chicago, Ill. Broom. 1,770,413; July 15.
- Manning, William H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Spring vibration dampener. 1,746,220; Feb. 4.
- Manning, William H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Piston rings. 1,772,187; Aug. 5.
- Manning, William J., Philadelphia, Pa. Razor-blade case. 1,769,526; July 1.
- Mannington Mills, Inc. (See Campbell, Neil L., assignor.)
- Mannis, Marie. (See Debelack, Alexander F., assignor.)
- Manny, Fred L., assignor to F. P. Rosback Company, Benton Harbor, Mich. Stitching machine. 1,762,927; June 10.
- Manoil, Jack, Brooklyn, N. Y. Frame for pictures, mirrors, and the like. Des. 80,901; Apr. 8.
- Manor, Florian F., Oshkosh, Wis. Tandem-wheeled aircraft. 1,753,612; Apr. 8.
- Manos, Stanley, New York, N. Y. Hat cover. 1,754,114; Apr. 8.
- Mansfield, Everett K., White Plains, N. Y. Paper-making machine. 1,746,708; Feb. 11.
- Mansfield, Ralph G., La Salle, N. Y., assignor to Union Carbide Company. Heat interchanger. 1,759,126; May 20.
- Mansfield, Samuel J., Dallas, Tex. Piston. 1,783,477; Dec. 2.
- Mansfield, Samuel R., Akron, Ohio. Scaffold. 1,765,685; June 24.
- Manske, Frederick A., and W. M. McNeil, assignors to United States Gypsum Company, Chicago, Ill. Machine for forming joint reinforcements. 1,768,127; June 24.
- Manson, George J., Hawkesbury, Ontario, Canada. Hood cap for bottles. 1,743,280; Jan. 14.
- Manson, George J., Hawkesbury, Ontario, Canada. Water-resistant paper. 1,762,928; June 10.
- Manson, George J., Hawkesbury, Ontario, Canada. Treating paper pulp to obtain paper of improved water resistance. 1,762,929; June 10.
- Manson, George J., Hawkesbury, Ontario, Canada. Paper making. 1,762,930; June 10.
- Manson, George J., Hawkesbury, Ontario, Canada. Grease-proof paper or paper which retains its strength in contact with grease. 1,762,931; June 10.
- Manson, Leon B., Corona, assignor to Noma Electric Corporation, New York, N. Y. Christmas-tree-lighting outfit. 1,757,969; May 13.
- Manson, Leon B., Corona, assignor to Noma Electric Corporation, New York, N. Y. Ornamental device. 1,772,357; Aug. 5.
- Manss, Walter A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Indophenol intermediate and blue sulphur dye derived therefrom. 1,777,757; Oct. 7.
- Mantel, Florian J., Syracuse, N. Y. Tension mechanism for looms. 1,774,147; Aug. 26.
- Mantelet, Alexis, Paris, France. Apparatus for use as shower bath for sprinkling the breasts. 1,746,861; Feb. 11.
- Manthey, Edward F., Fennville, Mich., assignor to A. A. Clarke, Chicago, Ill. Electrically-driven saw. 1,764,111; June 17.
- Mantius, Otto, New York, N. Y. Fiber-board machine. 1,764,456; June 17.
- Mantle, Gregory D., Pittsburgh, Pa., assignor, by mesne assignments, to Surface Combustion Company, Toledo, Ohio. Heat-exchange apparatus. 1,759,656; May 20.
- Mantle, Gregory D., Pittsburgh, Pa., assignor, by mesne assignments, to The Surface Combustion Company, Inc., Toledo, Ohio. Recuperator. 1,770,936; July 22.
- Mantle, Gregory D., and T. W. Munford, Pittsburgh, Pa., assignors, by mesne assignments, to Surface Combustion Company, Toledo, Ohio. Recuperator. 1,750,850; Mar. 18.
- Mantle Lamp Company of America, The. (See Davis, Cortland W., assignor.)
- Mantle Lamp Company of America, The. (See Davis, C. W., and Becker, assignors.)
- Mantle Lamp Company of America, The. (See Engh, Walter B., assignor.)
- Mantle Lamp Company of America, The. (See Rohl, Erich H., assignor.)
- Manton Brothers. (See Lindsay, William, assignor.)
- Mantonya, James F., Albuquerque, N. Mex. System of superheated steam distribution. 1,779,552; Oct. 28.
- Manfson, Frank X., Philadelphia (Holmesburg), Pa. Watch stand. 1,751,286; Mar. 18.
- Manuel, Charles J., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Pop gauge. 1,751,867; Mar. 25.
- Manufacturers' Machine Company. (See Sjöström, Ivar L., assignor.)
- Manufacturers Machinery Company. (See Mudd, Garrett W., assignor.)
- Manufacturing Improvement Corporation. (See Brown, C. A., and Esselen, assignors.)
- Manville, E. J., Machine Company, The. (See Gaess, Albert H., assignor.)
- Manville, Keith R., Highland Park, N. J., assignor to International Motor Company, New York, N. Y. Transmission control. 1,774,026; Aug. 26.
- Many, Fillette C., Kalamazoo, Mich. Tie for cards, sheets, etc. 1,784,299; Dec. 9.
- Manzel, Adolph W. F., assignor to Manzel Bros. Co., Buffalo, N. Y. Oil pump. 1,772,319; Aug. 5.
- Manzel Bros. Co. (See Manzel, Adolph W. F., assignor.)
- Manzel, Charles W., Buffalo, N. Y. Lubricating system. 1,742,446; Jan. 7.
- Manzel, Charles W., Buffalo, N. Y. Lubricating system. 1,761,891; June 3.
- Manzolini, Ettore, V. Capobianco, and F. Scarponi, Rome, Italy. Device to insure the bursting of all kinds of bombs in whatever position of impact or fall. 1,780,624; Nov. 4.
- Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Release device for fluids under pressure. 1,751,705; Mar. 25.
- Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Release device. 1,775,649; Sept. 16.
- Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Release device. 1,775,650; Sept. 16.
- Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Fire extinguisher for dry-cleaning apparatus, etc. 1,778,034; Oct. 14.
- Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Fire-extinguishing system. 1,781,026; Nov. 11.
- Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York. Release device for fluids under pressure. 1,781,027; Nov. 11.
- Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Nonclogging nozzle for fire-extinguishing systems. 1,781,028; Nov. 11.
- Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Release mechanism for fire-extinguishing systems. 1,781,854; Nov. 18.
- Maple, R. H., Company. (See Maple, Roy H., assignor.)
- Maple, Roy H., assignor to R. H. Maple Company, Indianapolis, Ind. Self-soldering circuit breaker. 1,777,888; Oct. 7.
- Maples, Jack B., Middlesboro, Ky. Signal. 1,756,126; Apr. 29.
- Mapother, Henry, H., jr., Louisville, Ky., assignor to Vacuum Process Corporation. Making paints. 1,781,648; Nov. 11.
- Marangoni, Mattia, New York, N. Y. Dishwashing apparatus. 1,771,934; July 29.
- Maranzino, Roscoe, Los Angeles, Calif. Ornamental radiator cap. 1,749,221; Mar. 4.
- Marasso, Fred, Joliet, Ill. Semiautomatic wrapping machine. 1,787,116; Dec. 30.
- Marathon Electric Company. (See Gilburg, Roy O., assignor.)
- Marathon Paper Mills Company. (See Kelly, Roy H., assignor.)
- Maratti Societe Anonyme. (See Seifert, Otto, assignor.)
- Maratta, Clifford M. (See Maag, O. L., and Maratta.)
- Marbach, Edward R., Cleveland, Ohio. Ornamental prop device. 1,767,184; June 24.
- Marble, B. L., Chair Company, The. (See Fortney, Frank F., assignor.)
- Marble, Charles H., Worcester, Mass. Cutting compound. 1,777,803; Oct. 7.
- Marble Cliff Quarries Company, The. (See Humberstone, E. H., and Welch, assignors.)

- Marble, Robert A. (See Edwards, J. H., Llewellyn, and Marble.)
- Marbry, William K. (See Culmer, T. W., and Marbry.)
- Marburg, Anna, administratrix. (See Marburg, Eduard C.)
- Marburg, Eduard C., deceased, by A. Marburg, administratrix, Griesheim-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Producing alumina. 1,778,083; Oct. 14.
- Marbury, Ralph E., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Terminal structure. 1,786,765; Dec. 30.
- Marcalus, Nicholas, Plainfield, assignor to Automatic Paper Machinery Co., Inc., Newark, N. J. Winding machine. 1,776,263; Sept. 23.
- Marcel, Francois R., Brooklyn, N. Y. Mica sheet. 1,748,389; Feb. 25.
- Marcel Guerlain, Inc. (See Le Bloas, J., and Janes, assignors.)
- Marcelais, Joseph O. (See MacLennan, K. M., and Marcelais.)
- Marcellus, Aaron, Ballston Lake, N. Y. Typewriter attachment. 1,760,366; May 27.
- Marcellus, Fredrick S., Scotia, N. Y., assignor to General Electric Company. Demand meter. 1,781,588; Nov. 11.
- Marcellus, Myron, Liberal, Kans. Internal-combustion engine. 1,781,589; Nov. 11.
- March, Carl, Chicago, Ill. Bread box. 1,760,761; May 27.
- March, Carl, Chicago, Ill. Smokers' set and advertising device. 1,778,681; Oct. 14.
- March, James, and J. Dailey, Beaver Falls, Pa. Electric-cord swivel connector. 1,746,159; Feb. 4.
- Marchal, Clarence, Plainfield, Ind. Colter attachment for plows. 1,763,559; June 10.
- Marchal-Clausen Mfg. Co. (See Clausen, Andrew J., assignor.)
- Marchal, Joseph P., St. Paul, Minn. Valve. 1,777,647; Oct. 7.
- Marchand, Ferdinand, assignor to Société des Forges & Acieries de Commercy, Commercy, France. Heating apparatus employing powdered fuel. 1,747,522; Feb. 18.
- Marchand, Jean J. M. L., The Hague, and J. C. Andriessen, Rijswijk, Netherlands. Sorting or distributing apparatus. 1,774,447; Aug. 26.
- Marchant Calculating Machine Company. (See Johnston, C. L., and Friden, assignors.)
- Marchant, Guy O., et al. (See Walker, Jay P., assignor.)
- Marcher, Royal, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Pin for holding golf tees. Des. 82,685; Dec. 2.
- Marchesini, Peter, Peabody, Mass. Abrading machine. 1,782,269; Nov. 18.
- Marchetti, Annibale. (See Centofanti, S., and Marchetti.)
- Marciano, Frank G., assignor to Universal Optical Corporation, Providence, R. I. Eyeglass frame. Des. 81,547; July 8.
- Marciano, Gerardo F., assignor to Universal Optical Corporation, Providence, R. I. Spectacle frame. Des. 80,488; Feb. 11.
- Marciano, Gerardo F., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,765,732; June 24.
- Marciano, Gerardo F., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,781,760; Nov. 18.
- Marcinauskas, Kazimer, Chicago, Ill. Adjustable scaffold. 1,776,950; Sept. 30.
- Marcks, Rudolph, Berlin, Germany. Flotation bag. 1,771,730; July 29.
- Markworth, Otto S., Columbus, Ohio. Diaphragm and its process of manufacture. 1,744,561; Jan. 21.
- Marconetti, Arrigo E., assignor to Dornbusch Agency, Inc., Brooklyn, N. Y. Fancy paper or similar material. Des. 82,223; Oct. 7.
- Marcozzi, Bertha, Washington, D. C. Adjustable seat. 1,774,989; Sept. 2.
- Marcroft, William, Cranston, and G. N. Taylor, East Providence, R. I., assignors to Universal Winding Company, Boston, Mass. Yarn cleaner and slub detector. 1,785,817; Dec. 23.
- Marcum, Arthur I., Oakland, Calif. Tandem-axle vehicle. 1,744,401; Jan. 21.
- Marcum, Arthur I., Oakland, assignor to E. Winship, San Francisco, Calif. Vehicle driving mechanism. 1,744,320; Jan. 21.
- Marcum, Arthur I., Oakland, assignor to E. Winship, San Francisco, Calif. Multiple-wheel road vehicle. 1,745,431; Feb. 4.
- Marcum, Arthur I., Oakland, Calif., assignor to E. Winship, Macon, Ga. Spring suspension. 1,745,432; Feb. 4.
- Marcum, Arthur I., Oakland, Calif., assignor to E. Winship, Macon, Ga. Spring suspension. 1,745,433; Feb. 4.
- Marcum, Arthur I., Oakland, assignor to Emory Winship, San Francisco, Calif. Spring suspension for vehicles. 1,747,902; Feb. 18.
- Marcum, Arthur I., Oakland, Calif., assignor to E. Winship, Macon, Ga. Drive axle. 1,750,899; Mar. 18.
- Marcum, Arthur I., Oakland, Calif., assignor to E. Winship, Macon, Ga. Steering wheel and brake. 1,761,044; June 3.
- Marcum, Arthur I., Oakland, Calif., assignor to E. Winship, Macon, Ga. Motor-vehicle construction. 1,773,782; Aug. 26.
- Marcum, Harvey B. (See Gilger, George V., assignor.)
- Marcus, Charles, New York, assignor to Eclipse Machine Company, Elmira Heights, N. Y. Ignition system. 1,752,918; Apr. 1.
- Marcus, Charles, New York, assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,774,804; Sept. 2.
- Marcus, Charles L., New York, N. Y. Lip stick or similar article. Des. 81,295; June 3.
- Marcus, Charles L., New York, N. Y. Combined ash and cigarette receptacle and holder or similar article. Des. 82,041; Sept. 16.
- Marcus, Charles L., New York, N. Y. Combined ash and cigarette receptacle and holder or similar article. Des. 82,042; Sept. 16.
- Marcus, Charles L., New York, N. Y. Bottle rack or similar article. Des. 82,896; Dec. 23.
- Marcus, Charles L., New York, N. Y. Atomizer. 1,779,553; Oct. 28.
- Marcus, Jacob. (See Freyberg, A., and Marcus.)
- Marcus, Jacob, Brooklyn, N. Y., assignor of one-half to O. K. Thomas and J. D. Malking, trading as National Pad and Binding Company, Philadelphia, Pa., and one-half to Freyberg Bros., Inc., New York, N. Y. Waistband. 1,770,002; July 8.
- Marcus, Morris, San Francisco, assignor of one-half to Mrs. K. H. Christensen, Oakland, Calif. Retting textile fibers. 1,746,316; Feb. 11.
- Marcus, Samuel. (See Konoff, A., and Marcus.)
- Marcus, Samuel, Brooklyn, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Tongue and teeth set for dolls and the like. 1,744,129; Jan. 21.
- Marcus, Samuel, Brooklyn, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Mounting for doll-eye sets. 1,752,274; Mar. 25.
- Marcus, Samuel, Brooklyn, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Doll's-eye construction. 1,752,275; Mar. 25.
- Marcus, Samuel, Brooklyn, assignor, by mesne assignments, to Markon Manufacturing Co. Inc., New York, N. Y. Eye set. 1,755,831; Apr. 22.
- Marcus, Samuel, Brooklyn, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Tongue and teeth set for dolls and the like. 1,782,433; Nov. 25.
- Marcus, Samuel, Brooklyn, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Doll-head structure. 1,785,781; Dec. 23.
- Marcus, Samuel, Riverdale, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Tongue and teeth for dolls' heads. 1,758,163; May 13.
- Marcus, Samuel, Riverdale, assignor to Markon Manufacturing Co. Inc., New York, N. Y. Tongue and teeth set for dolls and the like. 1,758,164; May 13.
- Marcus, Samuel, Riverdale, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Artificial eye. 1,763,312; June 10.
- Marcus, Samuel, Riverdale, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Doll eyes. 1,786,572; Dec. 30.
- Marcus, Samuel, Brooklyn, and A. Konoff, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Rolling eyes with lashes. 1,763,311; June 10.
- Marcus, Samuel, Brooklyn, and A. Konoff, assignors to Markon Manufacturing Co. Inc., New York, N. Y. Rolling eyes for dolls. 1,779,439; Oct. 28.
- Marcus, Samuel, Brooklyn, and A. Konoff, New York, N. Y., assignors to Markon Mfg. Co., Inc., New York, N. Y. Eye set for dolls and like toys. 1,784,531; Dec. 9.
- Marcus, Samuel, New York, and A. Konoff, Brooklyn, assignors to Markon Manufacturing Co., Inc., New York, N. Y. Mouth equipment for dolls' heads. 1,787,207; Dec. 30.
- Marcus, Samuel L., Chicago, Ill. Shoe construction. 1,781,118; Nov. 11.
- Marcus, Vera V., Los Angeles, Calif. Booth. Des. 80,630; Mar. 4.
- Marcy Foundry Co. (See Hauser, Emil, assignor.)
- Marczynski, Peter, Milwaukee, Wis. Propeller. 1,748,610; Feb. 25.
- Marden, John W. (See Rentschler, H. C., Marden, and Ulrey.)
- Marden, John W., and M. N. Rich, East Orange, N. J., assignors to Westinghouse Lamp Company. Ductile chromium and producing the same. 1,760,367; May 27.
- Marden, William L., Elmhurst, assignor to Neptune Meter Company, New York, N. Y. Cut-off for meters. 1,772,260; Aug. 5.
- Marder, John W., Rochester, N. Y. Cost-accounting machine. 1,755,449; Apr. 22.
- Marek, Joseph, Budapest, Hungary. Safety device for preventing the unauthorized use of automatic telephone apparatus. 1,771,800; July 29.
- Marenti, Gus, Washington, D. C. Antiglare attachment. 1,762,480; June 10.
- Marenti, Gus, Washington, D. C. Automobile attachment. 1,773,051; Aug. 12.
- Mares, Joseph R., Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio. Engine-lubrication means. 1,750,235; Mar. 11.
- Mares, Joseph R., assignor to The Willys-Overland Company, Toledo, Ohio. Sleeve valve lubrication system. 1,759,198; May 20.
- Mares, Victor A., New York, N. Y. Ventilator. 1,772,287; Aug. 5.

- Mares, Victor A. and W., New York, N. Y. Suspension and holding clip. 1,747,450; Feb. 18.
- Mares, William. (See Mares, Victor A. and W.)
- Margeson, Francis, Bolivar, N. Y. Disconnecting hook. 1,759,127; May 20.
- Marghiton, Samuel, assignor to Nel-Mar Mfg. Co., Chicago, Ill. Die cushion. 1,745,549; Feb. 4.
- Marghiton, Samuel, assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Die cushion. 1,776,919; Sept. 30.
- Margolin, George, New York, N. Y., assignor to O. Ussing, East Rockaway, N. Y. Changeable display sign. 1,760,157; May 27.
- Margot, Augustus F., Winnipeg, and W. H. Margot, Sturgeon Creek, Manitoba, Canada. Tent. 1,745,264; Jan. 28.
- Margot, William H. (See Margot, Augustus F. and W. H.)
- Margrave, Charles B., Los Angeles, Calif. Golf-club grip. 1,781,290; Nov. 11.
- Mariani, Frank N., assignor to Best Die Casting & Stamping Co., New York, N. Y. Mirror stand. Des. 81,345; June 10.
- Marie, Felix, Cazaux, assignor to État Français (Ministère de l'Air), Paris, France. Drill projectile for bombarding planes. 1,765,017; June 17.
- Marien, Charles A., St. Louis, Mo. Piston for engines. 1,772,103; Aug. 5.
- Marien, Charles A., St. Louis, Mo. Engine piston. 1,772,104; Aug. 5.
- Marien, Nicholas, Chicago, Ill. Drier for tubular fabrics. 1,745,499; Feb. 4.
- Marienthal, Charles, Detroit, Mich., assignor to Columbus Handle & Tool Corporation, Columbus, Ind. Handle grip. 1,751,414; Mar. 18.
- Marinello Company. (See Andrews, Neal R., assignor.)
- Mariner, Archie W., New Church, Va. Fertilizer-mixing harrow. 1,744,910; Jan. 28.
- Mariño, Manuel, Habana, Cuba. Hinged door. 1,775,681; Sept. 16.
- Marinsky, Davis, New York, N. Y. Separable fastener. 1,775,353; Sept. 9.
- Marinsky, Davis, assignor to M. Beckerman, New York, N. Y. Fastener and suspending device. 1,759,949; May 27.
- Marinsky, Isaac, Providence, R. I. Soft collar. 1,742,997; Jan. 7.
- Marinsky, Isaac, Providence, R. I. Pocket for gloves and the like. 1,750,180; Mar. 11.
- Marinsky, Isaac, Providence, R. I. Glove. 1,750,181; Mar. 11.
- Marinsky, Isaac, Providence, R. I. Glove. 1,750,182; Mar. 11.
- Marinsky, Isaac, Providence, R. I. Glove. 1,750,183; Mar. 11.
- Marion, Charles E. (See Brahy, Charles, assignor.)
- Marion, Frank, Barre, assignor to Green Mountain Oil Burner Corporation, St. Johnsbury, Vt. Oil burner. 1,774,937; Sept. 2.
- Marion, Frank, assignor of one-half to E. L. Scott, Barre, Vt. Oil burner. 1,775,771; Sept. 16.
- Marion, Frank, assignor of one-half to E. L. Scott, Barre, Vt. Oil burner. 1,775,772; Sept. 16.
- Marion, Gardner S., Concord, assignor to Pope & Cottle Company, Chelsea, Mass. Machine for sawing timbers. 1,765,987; June 24.
- Marion Machine, Foundry & Supply Company. (See Kincannon, Leo T., assignor.)
- Marion Machine Foundry & Supply Company. (See Mitchell, W. and Loucks, assignors.)
- Marion Steam Shovel Company, The. (See Ferguson, Berlin S., assignor.)
- Marion Steam Shovel Company, The. (See Holmes, Grant, assignor.)
- Marion Steam Shovel Co., The. (See King, C. B., and Jacoby, assignors.)
- Marion Steam Shovel Company, The. (See King, C. B., Jacoby, and Shelton, assignors.)
- Marion Steam Shovel Company, The. (See Miley, Walter E., assignor.)
- Mariotti, Dominic C. (See Galterio, E., Mariotti, and Ruggiero.)
- Maris, Claude A., Indianapolis, Ind. Adjustable thrust bearing. 1,761,139; June 3.
- Maris, James C., Glen Olden, Pa. Steam pipe for simple articulated locomotives. 1,758,845; May 13.
- Maris, Ralph W., Long Beach, Calif. Hand sandpaper holder. 1,782,577; Nov. 25.
- Mark, Clayton, & Company. (See Markle, D Lafal, assignor.)
- Mark, Dora, Neponsit, Long Island, N. Y. Shade or curtain fastener. 1,749,595; Mar. 4.
- Mark, Le Roy, Washington, D. C. Speech amplifying and reproducing system. 1,755,484; Apr. 22.
- Mark, Ovid E., San Diego, Calif. Gear-shifting mechanism for power transmissions. 1,750,236; Mar. 11.
- Markatos, Spiros C., New York, N. Y. Sand-bag construction. 1,772,153; Aug. 5.
- Markel, Charles, Schenectady, N. Y., assignor to Barco Manufacturing Company, Chicago, Ill. Crosshead and shoe. 1,760,910; June 3.
- Markel, Charles, Schenectady, N. Y., assignor to Barco Manufacturing Company, Chicago, Ill. Crosshead. 1,764,049; June 17.
- Markel Electric Products, Inc. (See Ellinger, Albert E., assignor.)
- Markel Electric Products, Inc. (See Hasenstab, Bernhard, assignor.)
- Markel Electric Products, Inc. (See Logan, Charles W., assignor.)
- Markel Electric Products, Inc. (See Villaret, Gustave E., assignor.)
- Markel, Orville. (See Masterson, M., and Markel.)
- Markem Machine Company. (See Putnam, Fred A., assignor.)
- Markert, Frances R. (See Lee, Hannah H., assignor.)
- Markert, Frederick E., Bogota, N. J., assignor to John Boyle & Company, Incorporated, New York, N. Y. Awning fixture. 1,785,520; Dec. 16.
- Markey, Fred L., assignor to Dodgem Corporation, Lawrence, Mass. Amusement device. 1,772,220; Aug. 5.
- Markey, George T., assignor to James Manufacturing Company, Fort Atkinson, Wis. Ventilating and humidifying system. 1,751,093; Mar. 18.
- Markey, George T., assignor to James Manufacturing Company, Fort Atkinson, Wis. Brooder stove. 1,780,430; Nov. 4.
- Markey, George T., and J. B. Olson, assignors to James Manufacturing Company, Fort Atkinson, Wis. Feeder. 1,785,782; Dec. 23.
- Markey, Harley H., Homer, La. Pump. 1,765,085; June 17.
- Markey, Harley H., Homer, La. Hook-off for wells. 1,777,927; Oct. 7.
- Markey, Roscoe L., Buffalo, assignor of one-half to Fairchild Aviation Corporation, New York, N. Y. Tail skid. 1,770,756; July 15.
- Markham, Charles M., Indianapolis, Ind. Adjustable shore. 1,782,903; Nov. 25.
- Markham, Charles M., Toledo, Ohio. Timber splicer. 1,783,622; Dec. 2.
- Markham, Harrie B., Escanaba, Mich. Furnace. 1,754,237; Apr. 15.
- Markham, William H. (See Kahlow, A., and Markham.)
- Markle, D Lafal, Evanston, assignor to Clayton Mark & Company, Chicago, Ill. Thread protector for pipes. 1,758,613; May 13.
- Markley, George L., Culver City, Calif. Washing-machine impeller. 1,745,177; Jan. 28.
- Markley, John W., Washington, and G. F. Elliott, Waynesburg, Pa.; said Elliott assignor to said Markley. Boiler compound. 1,747,638; Feb. 18.
- Markley, Jonathan, and E. M. Brennan, assignors to The Bauer Brothers Company, Springfield, Ohio. Attrition mill. 1,744,235; Jan. 21.
- Markley, Milton, Harrisburg, Pa., assignor to The Rail Joint Company, New York, N. Y. Construction for rehabilitating rail joints. 1,784,370; Dec. 9.
- Markman, Milton K., Crystal Lake, Ill. Sign support. 1,744,321; Jan. 21.
- Marko, Paul M., Brooklyn, N. Y., assignor to Willard Storage Battery Company, Cleveland, Ohio. Radio battery construction. 1,767,085; June 24.
- Markon Manufacturing Co. Inc. (See Grubman, Leo J., assignor.)
- Markon Manufacturing Co. (See Konoff, Alexander, assignor.)
- Markon Manufacturing Co. Inc. (See Konoff, A., and Marcus, assignors.)
- Markon Manufacturing Co. Inc. (See Marcus, Samuel, assignor.)
- Markon Manufacturing Co. (See Marcus, S., and Konoff, assignors.)
- Markon Manufacturing Co. Inc. (See Wilhelm, John H., assignor.)
- Markovich, Kosta. (See Milos, Z., and Markovich.)
- Marks, Alan D., et al. (See Jones, Archdale J., assignor.)
- Marks, Alexander A., Philadelphia, Pa. Water heater. 1,766,080; June 24.
- Marks, Arthur H., New York, N. Y., assignor to Skinner Organ Company, Boston, Mass. Apparatus for the propagation of music and other correlated sounds. 1,762,449; June 10.
- Marks, Charles, Philadelphia, Pa. Antiwear piece for bags, brief cases, and the like. 1,770,857; July 15.
- Marks, Charles K., Womelsdorf, and W. G. Weinhold, Shillington, Pa. Concrete mixer. 1,784,371; Dec. 9.
- Marks, Donn O., assignor to G. Gartling, Los Angeles, Calif. Valve-position-indicating means and circuit closer. 1,744,276; Jan. 21.
- Marks, Donn O., assignor to G. Gartling, Los Angeles, Calif. Magnetic valve. 1,765,377; June 24.
- Marks, George A., Chicago, Ill. Lighting-fixture bracket. Des. 28,043; Sept. 16.
- Marks, Herbert E., Sewickley, Pa., assignor to United States Gypsum Company, Chicago, Ill. Combined floor and ceiling construction. 1,784,876; Dec. 16.
- Marks, Herbert E., Glen Osborne, Sewickley, Pa., assignor to United States Gypsum Company, Chicago, Ill. Floor construction. 1,787,049; Dec. 30.
- Marks, Howard, Newman, Calif. Excavator. 1,764,518; June 17.
- Marks, James H., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,766,917; June 24.
- Marks, James N., London, England. Foot support. 1,762,025; June 3.
- Marks, Otto C. W., San Francisco, Calif. Operating and counterbalancing mechanism for oscillating tumblers of fish-canning machines. 1,775,289; Sept. 9.
- Marks, Percy L., Inc. (See Rudnick, Louis, assignor.)

- Marks, Sidney, assignor of one-half to W. W. Ward, New York, N. Y. Emergency wheel for automobiles. 1,756,006; Apr. 22.
- Marks, Thomas E. D., Tweed Heads, New South Wales, and B. R. Padmore, Caulfield, Victoria, Australia, assignors to The Union Switch and Signal Company, Swissvale, Pa. Electrical detector for railway switches. 1,776,264; Sept. 23.
- Markstein, Bernard M., Cincinnati, Ohio. Tobacco pipe. 1,762,636; June 10.
- Markstein, Robert P., Vienna, Austria. Fountain pen. 1,743,786; Jan. 14.
- Markstein, Robert P., Vienna, Austria. Device for timely opening and closing of the flap of fountain pens. 1,786,355; Dec. 23.
- Markstrum, John A., Detroit, Mich., assignor to Continental Tool Works. Cutting tool. 1,766,136; June 24.
- Markus, Peter, Kansas City, Mo. Inflating device. 1,766,182; June 24.
- Markus, Peter, Kansas City, Mo. Inflating device for safety belts and the like. 1,772,674; Aug. 12.
- Markwick, Walter R., Mount Dennis, Ontario, Canada. Stabilizer for cam-operated mechanisms. 1,778,459; Oct. 14.
- Marlatt, George E., Pasadena, Calif. Typographical assembling and distributing machine. 1,772,751; Aug. 12.
- Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Bushing. 1,762,181; June 10.
- Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Coupling. 1,785,870; Dec. 23.
- Marlow, Thomas K., Anthras, Tenn. Metallic tie. 1,779,326; Oct. 21.
- Marmon Motor Car Company. (See Updike, James W., assignor.)
- Marmonier, Louis, Lyon, France. Method and apparatus for directing torpedoes. 1,755,125; Apr. 15.
- Marmonier, Louis, Lyon, France. Gyroscopic group for automatically stabilizing and steering aeroplanes. 1,768,128; June 24.
- Maroney, Frank V., Orange, Calif. Drapery support. 1,786,498; Dec. 30.
- Marple, Rollo, assignor to Hancock Mfg. Co., Charlotte, Mich. Door latch. 1,755,832; Apr. 22.
- Marple, Rollo, Charlotte, assignor to Hancock Manufacturing Co., Jackson, Mich. Latch-operating handle for automobile doors. 1,755,833; Apr. 22.
- Marqua, William A., Cincinnati, Ohio. Velocipede. 1,778,116; Oct. 14.
- Marquand, Philip, Newburyport, Mass., assignor to Edge Moor Iron Company, Edge Moor, Del. Boiler construction. 1,762,180; June 10.
- Marquardt, Frank C., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Inking mechanism for printing machines. 1,757,808; May 6.
- Marquette Manufacturing Company. (See Heimbürger, Douglas D., assignor.)
- Marquette Manufacturing Company. (See Kicherer, H. J., and Niles, assignors.)
- Marquette Manufacturing Company. (See Nilson, Leonard D., assignor.)
- Marquette Tool & Mfg. Company. (See Marghitan, Samuel, assignor.)
- Marquette Tool & Manufacturing Co. (See Nilson, O. G., and Glasner, assignors.)
- Marquette Tool & Mfg. Company. (See Patrick, Isaac, assignor.)
- Marquette Tool & Manufacturing Co. (See Rode, Fredrich J., assignor.)
- Marquis, Frank T. (See Shannon, Thomas G., assignor.)
- Marquis, Joseph E., Lynn, Mass. Heel-trimming machine. 1,745,803; Feb. 4.
- Marr, Arthur P. (See Marr, George M., and A. P.)
- Marr, David, Warsaw, N. Y. Organ. 1,762,274; June 10.
- Marr, George M., New York, and A. P. Marr, Brooklyn, N. Y. Fire-detecting apparatus. 1,752,496; Apr. 1.
- Marr, George M. and A. P., New York, N. Y. Rudder-angle-indicating device. 1,783,251; Dec. 2.
- Marr, George M., Woodhaven, and A. P. Marr, Forest Hills, N. Y. Smoke detector. 1,755,834; Apr. 22.
- Marr, M. H. (See Downey, Fred, assignor.)
- Marr, Robert A., assignor to Ramar Syndicate Incorporated, Norfolk, Va. Cementitious product and obtaining same. 1,762,481; June 10.
- Marr, Zacheus M., Fremont, Nebr. Compound for filling recesses in metal castings and the like. 1,749,541; Mar. 4.
- Marrable, Harry A., Linoleumville, N. Y. Clothesline. 1,753,439; Apr. 8.
- Marrin Foundry, Inc., The. (See Jessen, J., and Marrin, assignors.)
- Marrin, James P. (See Jessen, J., and Marrin.)
- Marriott, Edward J., London, and C. French, Kingston-on-Thames, England. Waxwork, robot, and like figures. 1,774,653; Sept. 2.
- Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezo-electric device. 1,746,788; Feb. 11.
- Marrison, Warren A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric control device. 1,757,727; May 6.
- Marrison, Warren A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating synchronism. 1,762,725; June 10.
- Marrison, Warren A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase-measuring system and method. 1,768,262; June 24.
- Marrison, Warren A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Constant-frequency-wave source. 1,784,844; Dec. 16.
- Marrison, Warren A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 1,785,036; Dec. 16.
- Marrison, Warren A., Bloomfield, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Synchronous motor. 1,763,000; June 10.
- Marrits, Murray J., New York, N. Y. Collapsible display stand. 1,760,309; May 27.
- Marrits, Murray J., New York, N. Y. Collapsible display stand. 1,771,264; July 22.
- Marsack, Max, Sheboygan, Wis. Mattress. 1,760,424; May 27.
- Marsack, Max, N., and S., and D. Raffelson, Sheboygan, Wis. Eyeletting machine for mattress borders. 1,775,534; Sept. 9.
- Marsack, Nathan. (See Marsack, Max, N., and S., and Raffelson.)
- Marsack, Sam. (See Marsack, Max, N., and S., and Raffelson.)
- Marsch, Louis, Morrisonville, Ill. Traction device. 1,777,928; Oct. 7.
- Marschel Frank Sachs Aktiengesellschaft in Chemnitz. (See Bernstein, Kurt J., assignor.)
- Marschke, Berthold V. (See Marschke, Reinhold B., assignor.)
- Marschke Manufacturing Company. (See Decker, Alonzo G., assignor.)
- Marschke, Reinhold B., assignor to Berthold V. Marschke, St. Paul, Minn. Folding and disappearing stairs. 1,767,148; June 24.
- Marsden, John E., Philadelphia, Pa. Tumbler or similar article. Des. 81,061; Apr. 29.
- Marseilles, William P., assignor to Solvents Extraction Corporation, New York, N. Y. Dust collector. 1,774,757; Sept. 2.
- Marsellus, John, Casket Company. (See Marsellus, John C., assignor.)
- Marsellus, John C., assignor to John Marsellus Casket Company, Syracuse, N. Y. Sheet-metal lining for burial caskets. 1,771,801; July 29.
- Marsene Products Co. (See Kratz, Edouard M., assignor.)
- Marsh, Albert M., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Disintegrating mill. 1,762,122; June 3.
- Marsh, Charles A., J. L. Strahan, and A. H. Neller, assignors to The Loudon Machinery Company, Fairfield, Iowa. Ventilating system and apparatus. 1,778,560; Oct. 14.
- Marsh, Esli A., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Discharging propeller. 1,760,425; May 27.
- Marsh, Esli A., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Apparatus for filling packages. 1,766,444; June 24.
- Marsh, Esli A., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Feeding device. 1,785,132; Dec. 16.
- Marsh, Gail G., Butte, Mont. Footrest for stopping drills. 1,750,415; Mar. 11.
- Marsh, Harold, assignor to Draper Corporation, Hopedale, Mass. Dobby finger and support. 1,748,040; Feb. 18.
- Marsh, Henry, Chicago, Ill. Display stand. 1,747,981; Feb. 18.
- Marsh, Henry, assignor to Grennan Bakeries, Inc., Chicago, Ill. Display stand. Des. 82,098; Sept. 23.
- Marsh, Henry, assignor to Grennan Bakeries, Inc., Chicago, Ill. Display stand. Des. 82,099; Sept. 23.
- Marsh, Henry, assignor to Grennan Bakeries, Inc., Chicago, Ill. Cooky-display container. Des. 82,100; Sept. 23.
- Marsh, James H., Kansas City, Mo. Automatic envelope-stuffing machine. 1,754,831; Apr. 15.
- Marsh, Jas. P., & Company. (See Faber, Guy S., assignor.)
- Marsh, Jas. P., & Company. (See Joyce, Harold L., assignor.)
- Marsh, Jas. P., & Company. (See Rudolph, Walter J., assignor.)
- Marsh, Jas. P., & Company. (See Schylander, John F., assignor.)
- Marsh, Jas. P., & Company. (See Thommes, John A., assignor.)
- Marsh Laboratories, Inc. (See Marsh, Orlando R., assignor.)
- Marsh, Louis S., assignor to Boeing Airplane Company, Seattle, Wash. Gun-feeding mechanism. 1,750,112; Mar. 11.
- Marsh, Orlando R., Wilmette, Ill., assignor to Marsh Laboratories, Inc., Chicago, Ill. Method of and apparatus for directional recording. 1,754,520; Apr. 15.
- Marsh, Payson, Los Angeles, Calif. Sanitary toothbrush holder. 1,771,645; July 29.
- Marsh, Ralph, Crystal Lake, Ill. Corn header. 1,770,706; July 15.
- Marsh, Richard G. (See Walter, C. M., and Marsh.)
- Marsh, Samuel H., Winston-Salem, N. C. Apparatus for washing bottles. 1,772,320; Aug. 5.
- Marsh, Samuel L. (See Hess, Arthur, assignor.)
- Marsh, Samuel L. (See McGonegal, Alfred R., assignor.)

- Marsh, Samuel L., New York, N. Y. Hydraulic shock absorber. 1,765,929; June 24.
- Marsh, Walter H., Aspinwall, Pa., assignor to Pennsylvania Pump Company. Calibrating mechanism for positive stops for visible pumps. 1,749,106; Mar. 4.
- Marsh, Walter H., Pittsburgh, Pa. Flow indicator. 1,756,491; Apr. 29.
- Marsh, William B., Brooklyn, N. Y. Electric switch. 1,780,026; Oct. 28.
- Marshall, Albert E., Baltimore, Md., assignor to Corning Glass Works, Corning, N. Y. Variable condenser. 1,749,042; Mar. 4.
- Marshall, Albert H., Chicago, Ill. Printing device. 1,743,468; Jan. 14.
- Marshall, Alvis T. (See Noisworthy, Frederick E., assignor.)
- Marshall, Arnold C., assignor to The Steel Scaffolding Company Limited, London, England. Coupling or clamp for scaffolding or other purposes. 1,783,735; Dec. 2.
- Marshall, Benjamin H., Wilmette, Ill. Movable balcony for buildings. 1,781,787; Nov. 18.
- Marshall, Benjamin H., Wilmette, Ill., assignor of one-half to S. M. Hunter, Chicago, Ill. Handling automobile traffic. 1,773,917; Aug. 26.
- Marshall, Clinton E., Brooklyn, N. Y. Fountain-pen attachment. 1,783,734; Dec. 2.
- Marshall, Clinton E., New York, N. Y. Pen and pencil clip. 1,783,736; Dec. 2.
- Marshall, David O., Fairfield, Ill., assignor to Mound City Wood Heel & Mfg. Co., St. Louis, Mo. Shoe heel. Re17,799; Sept. 16.
- Marshall Field & Company. (See Avery, True M., assignor.)
- Marshall Field & Company. (See Nelson, Daniel, assignor.)
- Marshall Field & Company. (See Thompson, John W., assignor.)
- Marshall, Frank L., Fergus Falls, Minn. Cream cooling or pasteurizing device. 1,768,263; June 24.
- Marshall, Frank M., assignor of one-half to F. S. Livingston, Los Angeles, Calif. Container closure. 1,758,574; May 13.
- Marshall, Harry B., Long Beach, Calif. Surf mattress. 1,746,709; Feb. 11.
- Marshall, Harry C., Arcadia, assignor to Union Oil Company of California, Los Angeles, Calif. Elevated central header for gas lifts. 1,756,830; Apr. 29.
- Marshall, Horace E., Los Angeles, Calif. Overshot. 1,767,149; June 24.
- Marshall, James. (See Rawling, W., Marshall, and Rumford.)
- Marshall, James G., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Material-feeding device. 1,748,780; Feb. 25.
- Marshall, James T., Harrogate, England. Motive-fluid engine. 1,760,952; June 3.
- Marshall, John F., Hayling Island, England. Apparatus for use in making graphic reproductions of images projected from a microscope. 1,786,543; Dec. 30.
- Marshall, John R., McKean, Pa. Switch. 1,751,826; Mar. 25.
- Marshall, John R., McKean, Pa. Insulator. 1,751,827; Mar. 25.
- Marshall, Laurence K., Cambridge, Mass., assignor, by mesne assignments, to Old Colony Trust Company. Electron-discharge device. 1,758,710; May 13.
- Marshall, Leonard J. (See Crane, J. B., and Marshall.)
- Marshall, Leonard J., Westwood, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Bent-tube boiler. 1,786,913; Dec. 30.
- Marshall, Leslie H., assignor of one-half to A. A. Grubb, Columbus, Ohio. Producing malleable-iron castings. 1,781,119; Nov. 11.
- Marshall, Lewis C., Walpole, Mass. Making piston rings. 1,758,575; May 13.
- Marshall, Lewis C., Walpole, Mass. Process and apparatus for making piston rings. 1,762,556; June 10.
- Marshall, Lewis C., Walpole, Mass. Making steel piston rings. 1,783,047; Nov. 25.
- Marshall, Luther A., Floydads, Tex. Egg hatcher. 1,781,336; Nov. 11.
- Marshall, Norman, Bridgeport, Conn. Bead chain. 1,759,488; May 20.
- Marshall, Robert J., Elmhurst, assignor to North American Sound and Talking Picture Equipment Corporation, New York, N. Y. Mounting for phonographic pick-up devices. 1,746,004; Feb. 4.
- Marshall, Walter C. (See Juneau, C. G., and Marshall.)
- Marshall-Wells Company. (See Hokanson, Martin, assignor.)
- Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Door construction. 1,744,051; Jan. 21.
- Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Vehicle-body construction. 1,747,451; Feb. 18.
- Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Vehicle body construction. 1,751,828; Mar. 25.
- Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Sill construction. 1,786,072; Dec. 23.
- Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Trimming holder. 1,786,073; Dec. 23.
- Marshall, William, and P. Camiener, assignor to Briggs Manufacturing Company, Detroit, Mich. Remote control mechanism for door latches. 1,786,074; Dec. 23.
- Marshall, William, and E. C. De Smet, assignors to Briggs Manufacturing Company, Detroit, Mich. Door latch. 1,744,077; Jan. 21.
- Marshall, William, and L. S. Woodhull, assignors to Briggs Manufacturing Company, Detroit, Mich. Seat assembly. 1,784,241; Dec. 9.
- Marshall, William E., St. Louis, Mo. Smoke consumer. 1,744,562; Jan. 21.
- Marshalltown Manufacturing Company. (See Ruopp, George F., assignor.)
- Marshalltown Trowel Company. (See Troutner, Jesse B., assignor.)
- Marshman, Elmer E. (See Hurlbert, W. G., jr., and Marshman.)
- Marshutz, Siegfried G., and P. Sockett, assignors to The Atlas Leather Products Corporation, Los Angeles, Calif. Case and container. 1,753,054; Apr. 1.
- Maršik, Augustin, assignor to Ceskomoravska-Kolben-Danek Akciova Spolcenost, Prague, Czechoslovakia. Circuit closer to indicate turns of a vehicle. 1,768,208; June 24.
- Marsilius, Newman M., assignor, by mesne assignments, to The Products Machine Company, Bridgeport, Conn. Milling machine. 1,756,831; Apr. 29.
- Marsland, Charles A., New York, N. Y., assignor to The Baltimore Enamel & Novelty Company, Baltimore City, Md. Sign. 1,768,623; July 1.
- Marsland, Roland, Moylan, Pa., assignor to Westinghouse Electric & Manufacturing Company. Multistage-bleeder-turbine control. 1,777,470; Oct. 7.
- Marson, Clifford J., assignor to The Standard Manufacturing Company, Cambridge City, Ind. Folding chair. 1,752,306; Apr. 1.
- Marsters, Ernest R., Arlington, Mass. Casting device for live bait. 1,764,738; June 17.
- Marston, Caleb J., and P. W. Ordway, Loudon, N. H. Aeroplane wing rib. 1,749,293; Mar. 4.
- Marston, Harold B., Philadelphia, Pa. Pneumatic tire. 1,759,410; May 20.
- Mart, Leon T., Kansas City, Mo. Cooling tower. 1,747,452; Feb. 18.
- Mart, Leon T., Kansas City, Mo. Spray cooling device. 1,784,019; Dec. 9.
- Martel, Edgar J., Laconia, N. H. Automobile locking mechanism. 1,743,225; Jan. 14.
- Martel, Edgar J., Laconia, N. H. Automobile lock. 1,776,265; Sept. 23.
- Martell, Charles, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reclaiming or improving gum exudates. 1,786,075; Dec. 23.
- Martell, Charles, Cicero, and B. A. Hagen, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for coating cores. 1,785,037; Dec. 16.
- Martens, Rudolph M., West Roxbury, Mass. Effecting sealing of electric cable ends. 1,743,825; Jan. 14.
- Martens, Rudolph M., West Roxbury, Mass. Tool for milling insulated wires. 1,743,826; Jan. 14.
- Martenson, Harry M., and F. W. Peterson, White Rock, Minn. Gravel-loading device. 1,760,158; May 27.
- Martenson, Marten, Willowbrook, Saskatchewan, Canada. Combined scoop and shovel. 1,774,027; Aug. 26.
- Marthinus, Christian R. (See Cotta, C., and Marthinus.)
- Marti, Charles. (See Horton, A. A., and Marti.)
- Marti, Charles L., Orange, N. J. Electrical condenser. 1,771,226; July 22.
- Marti, Fritz, La Chaux-de-Fonds, Switzerland. Electromagnetic impulse timepiece. 1,752,446; Apr. 1.
- Marti, Othmar K. (See Sindeband, M. L., and Marti.)
- Martin, Albert, New York, N. Y. Ornamenting foodstuffs. 1,765,086; June 17.
- Martin, Albert, New York, N. Y. Receptacle. 1,765,686; June 24.
- Martin, Alfred M., Chicago, Ill. Book cover. 1,748,236; Feb. 25.
- Martin, Alfred M., assignor of one-half to J. McLaughlin, Chicago, Ill. Latch or catch device. 1,742,712; Jan. 7.
- Martin, Arthur, Pittsburgh, assignor to Budd Wheel Company, Philadelphia, Pa. Rolling mill for tapered disks. 1,750,480; Mar. 11.
- Martin Automatic Fishing Reel Company. (See Maury, Alfred D., assignor.)
- Martin Brothers Company. (See Fellroth, Erick O., assignor.)
- Martin, Bruno, Saginaw, Mich. Combination implement. 1,776,443; Sept. 23.
- Martin, Carl A., and W. Orth, Genoa, Colo. Choke-control device. 1,754,028; Apr. 8.
- Martin, Cecil E., Detroit, Mich. Fire escape. 1,753,798; Apr. 8.
- Martin, Charles A., Chicago, Ill. Control system. 1,750,481; Mar. 11.
- Martin, Charles A., Chicago, Ill. Regulating system. 1,775,682; Sept. 16.
- Martin, Charles A., Chicago, Ill. Circuit-breaking device. 1,780,202; Nov. 4.
- Martin, Chester C., Luckey, Ohio, assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Valve bag. 1,782,738; Nov. 25.

- Martin, Claud C., assignor of one-half to T. W. Mitchell, Hillsboro, Tex. Compressed-air pump. 1,750,719; Mar. 18.
- Martin-Colvin Co., The. (See Martin, Otto V., assignor.)
- Martin-Copeland Company, a trusteeship. (See Martin, Laurence C., assignor.)
- Martin, David, assignor to The Globe Steel Abrasive Company, Mansfield, Ohio. Process and mechanism for making metal pellets. 1,780,201; Nov. 4.
- Martin-Decker Corporation. (See Goldman, Otto B., assignor.)
- Martin-Decker Corporation. (See Martin, Walter R., assignor.)
- Martin, De Loss K., West Orange, N. J., assignor to American Telephone and Telegraph Company. Wave antenna. 1,777,374; Oct. 7.
- Martin, Dorr D., Detroit, Mich. Control system for oil burners. 1,761,018; June 3.
- Martin, Earl, assignor to Wm. H. Hoegee Company, Inc., Los Angeles, Calif. Awning. 1,744,563; Jan. 21.
- Martin, Earle, Cleveland, Ohio. Preparing mats for use in making printing plates. 1,756,564; Apr. 29.
- Martin, Edgar W., et al. trustee. (See Martin, Laurence C., assignor.)
- Martin, Edwin D., Washington, N. J. Production of coated metallic objects. 1,770,177; July 8.
- Martin, Elmer R., Springfield, assignor to Cemroc, Inc., Cincinnati, Ohio. Machine for making building materials. 1,778,222; Oct. 14.
- Martin, Erwin S., East Orange, N. J., assignor, by mesne assignments, to K-P-C Company. Cheese and preparing the same. 1,748,781; Feb. 25.
- Martin, Eugene. (See Stone, E. W., and Martin.)
- Martin, Eugene, Freeport, and J. Josinsky, Bayside, N. Y. Current controlling or insulating device for ignition systems. 1,784,697; Dec. 9.
- Martin, Francis G., and W. Ramsay, Birkenhead, assignors to J. Stone & Company Limited, Deptford, England. Apparatus for electrolytically depositing metal on metal tubes. 1,783,885; Dec. 2.
- Martin, Frank J., Weirton, W. Va. Dry pipe for steam boilers. 1,784,638; Dec. 9.
- Martin, Frank J., assignor to Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Lady's boot. 1,759,583; May 20.
- Martin, Frederick C., assignor to Eastman Kodak Company, Rochester, N. Y. X-ray dental film package. 1,748,490; Feb. 25.
- Martin, Frederick E., San Francisco, Calif. Dogging mechanism for sawmill carriages. 1,772,052; Aug. 5.
- Martin, Frederick W., Brooklyn, N. Y., assignor to Franklin Railway Supply Company. Driving-box lubricator. 1,781,337; Nov. 11.
- Martin, Frederick W., Brooklyn, and F. R. Peters, New York, N. Y., assignors to Franklin Railway Supply Company. Axle box and its lubrication. 1,757,582; May 6.
- Martin, George C., Los Angeles, Calif. Shock absorber. 1,748,237; Feb. 25.
- Martin, George C., Los Angeles, Calif. Forming slabs. 1,750,113; Mar. 11.
- Martin, George C., Los Angeles, Calif. Concrete construction and waterproofing the same. 1,779,481; Oct. 28.
- Martin, George W., Fort Worth, Tex. Vacuum cleaner and condenser. 1,757,256; May 6.
- Martin, Glenn L., Company, The. (See Armington, G. E., and Nightingale, assignors.)
- Martin, Glenn L., Company, The. (See Milburn, Lessiter C., assignor.)
- Martin, Glenn L., Company, The. (See Nellick, R. J., and Loudy, assignors.)
- Martin, Glenn L. Co., The. (See Salisbury, Frank M., assignor.)
- Martin, Glenn L., Company, The. (See Van Dusen, Charles A., assignor.)
- Martin, Guy T., assignor to Fluor Construction Co., Los Angeles, Calif. Atmospheric cooling tower. 1,786,076; Dec. 23.
- Martin, Harold T. (See King, D. H., and Martin.)
- Martin, Harry C., assignor to The Carborundum Company, Niagara Falls, N. Y. Making abrasive disks. Re17,739; July 22.
- Martin, Harry C., assignor to The Carborundum Company, Niagara Falls, N. Y. Making abrasive disks. Re17,740; July 22.
- Martin, Henry K., assignor to Breslin Brothers Carpet Company, Inc., Gloucester, N. J. Attachment for looms. 1,756,693; Apr. 29.
- Martin, Henry W., East Kirby, England. Lifting device to facilitate the removal of cigarettes or small articles of similar shape from packets and like containers. 1,749,386; Mar. 4.
- Martin, Horace G., jr., New York, N. Y. Electric lamp. 1,751,011; Mar. 18.
- Martin, Horace G., jr., Brooklyn, N. Y. Cabinet. 1,779,482; Oct. 28.
- Martin, Ida M., Hillside Township, Union County, N. J. Telephone-dial protector. 1,762,726; June 10.
- Martin, James P., assignor to Lancaster Iron Works, Inc., Lancaster, Pa. Automatic brick machine. 1,779,136; Oct. 21.
- Martin, James V., Garden City, N. Y. Automobile body. Des. 82,044; Sept. 16.
- Martin, James V., Garden City, N. Y. Aircraft safety motor. 1,770,937; July 22.
- Martin, James V., Garden City, N. Y. Steering shock absorber. 1,770,938; July 22.
- Martin, James V., Garden City, N. Y. Low-resistance aeroplane. 1,771,053; July 22.
- Martin, James W., jr., Tuckahoe, assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y. Refrigerating apparatus and method. 1,752,015; Mar. 25.
- Martin, James W., jr., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerating apparatus and method. 1,752,276; Mar. 25.
- Martin, James W., jr., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerative heat-insulating apparatus and method. 1,752,277; Mar. 25.
- Martin, James W., jr., Yonkers, assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y. Making and dispensing liquid carbon dioxide. 1,760,953; June 3.
- Martin, James W., jr., Yonkers, assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y. Refrigerating system and method. 1,780,147; Oct. 28.
- Martin, Jerome, and I. J. Krehma, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of esters. 1,770,414; July 15.
- Martin, Jerome, and I. J. Krehma, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of acetone from acetylene. 1,779,676; Oct. 28.
- Martin, Jesse C., jr., San Francisco, Calif. Plug valve. 1,756,650; Apr. 29.
- Martin, Jesse C. jr., Los Angeles, Calif. Self-supporting water-bottom structure. 1,776,320; Sept. 23.
- Martin, Jesse C., jr., Los Angeles, Calif. Boiler. 1,776,696; Sept. 23.
- Martin, Jesse R., Chicago, Ill., assignor to Paramount Industries, Inc. Garment. 1,748,890; Feb. 25.
- Martin, John, Toronto, Ontario, Canada. Combination desk and telephone holder. 1,769,445; July 1.
- Martin, John H. (See Cheakas, G. G., and Martin.)
- Martin, John H., Baldwin, N. Y. Preparation of fur for shrinking and felting. 1,762,233; June 10.
- Martin, John I., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Rim for vehicle wheels. 1,757,728; May 6.
- Martin, John N., Fort Worth, Tex. Polish-rod holder. 1,778,266; Oct. 14.
- Martin, John P., Pittsburgh, Pa. Washing machine. 1,768,702; July 1.
- Martin, John W., and E. W. and J. A. Manning, Portland, Oreg.; said E. W. Manning and said J. A. Manning assignors to said John W. Martin and H. W. Manning. Direction-signal device. 1,770,415; July 15.
- Martin, Joseph, Los Angeles, Calif. Valve-operating mechanism. 1,775,908; Sept. 16.
- Martin, Joseph E., and P. A. Martin, Newark, N. J. Submarine escapement apparatus. 1,754,690; Apr. 15.
- Martin, Joseph W., assignor to C. E. Barker, New York, N. Y. Collapsible or folding hat support. 1,746,486; Feb. 11.
- Martin, Joseph W., assignor to C. E. Barker, New York, N. Y. Collapsible or folding hat support. 1,746,487; Feb. 11.
- Martin, Karl, and P. Tietze, Rathenow, Germany. Optical means for producing color cinematographic pictures. 1,752,680; Apr. 1.
- Martin, Kingsley L. (See Danks, A. C., and Martin.)
- Martin, Kingsley L., Montclair, N. J. Water-tube boiler. 1,777,674; Oct. 7.
- Martin, Kingsley L., Montclair, N. J., assignor of one-half to A. C. Danks, Cleveland, Ohio. Water-tube boiler. 1,748,137; Feb. 25.
- Martin, Laurence C., assignor to Martin-Copeland Company, a trusteeship consisting of E. W. Martin, Barrington, L. C. Martin, Providence, R. I., and G. W. Bleeker, Chicago, Ill. Nose-guard mounting for spectacles and eyeglasses. 1,785,038; Dec. 16.
- Martin, Lloyd F., Morehead, Ky. Pinless clothesline. 1,778,806; Oct. 21.
- Martin, Mark H., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Cast-steel side frame. 1,748,238; Feb. 5.
- Martin, Mark H., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Draft member. 1,786,914; Dec. 30.
- Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Truck bolster. 1,754,633; Apr. 15.
- Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Body bolster. 1,754,634; Apr. 15.
- Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Car truck. 1,783,737; Dec. 2.
- Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Side frame for car trucks. 1,785,871; Dec. 23.
- Martin, Otto V., Sand Spring, Okla., assignor to The Martin-Colvin Co. Inhibiting corrosive effect of brines toward iron and steel. 1,750,761; Mar. 18.
- Martin, Ovide L., Bradley, Ill. Storm window. 1,742,405; Jan. 7.
- Martin-Parry Corporation. (See Jeffers, Clarence E., assignor.)
- Martin-Parry Corporation. (See Mayes, Walter A., assignor.)

- Martin, Percival A. (See Martin, Joseph E. and P. A.)
 Martin, Perry S., Harrisonburg, Va. Thermostat. 1,760,878; June 3.
 Martin, Philip J., Elizabeth, N. J. Cleaning device. 1,757,777; May 6.
 Martin, Philip J., Elizabeth, N. J. Cable grip. 1,760,074; May 27.
 Martin, Ray L. (See Woodbury, R., Martin, and Doane.)
 Martin, Richard D., Fort Smith, Ark. Fence post. 1,749,640; Mar. 4.
 Martin, Richard H., assignor to Norton Company, Worcester, Mass. Refractory article and protecting the same. Re17,661; May 13.
 Martin, Robert, Berlin-Charlottenburg, Germany. Visible record file. 1,772,154; Aug. 5.
 Martin, Robert W., assignor to Ferguson and Lange Foundry Company, Chicago, Ill. Water-heating apparatus. 1,768,992; July 1.
 Martin, Rodney W., Dayton, Ohio. Cabinet kitchen. 1,753,526; Apr. 8.
 Martin, Ross, assignor to Northern Indiana Brass Company, Elkhart, Ind. Ball cock. 1,751,046; Mar. 18.
 Martin, Samuel G., West Somerville, Mass., assignor to The Barrett Company. Cutter. 1,783,023; Nov. 25.
 Martin, Scott O., et al. (See Martin, S. O., and Bridenbaugh, assignors.)
 Martin, Scott O., and E. H. Bridenbaugh, assignors of one-half to A. M. Nassif, Denver, Colo., and one-half to said S. O. Martin. Ditching plow. 1,755,885; Apr. 22.
 Martin, Thomas A., Bridgeport, Conn. Automobile lifting device. 1,777,214; Sept. 30.
 Martin, Thomas P., Oklahoma City, Okla. Shutter for radiators. 1,773,052; Aug. 12.
 Martin, Thomas R., Tyseley, Birmingham, England. Electric switch. 1,766,526; June 24.
 Martin, Wallace. (See Martin, William C. and W. W.)
 Martin, Walter R., assignor, by mesne assignments, to Martin-Decker Corporation, Long Beach, Calif. Portable tension indicator. 1,771,339; July 22.
 Martin, Walter R., assignor, by mesne assignments, to Martin-Decker Corporation, Long Beach, Calif. Automatic weigher and drill-string pressure-recording device. 1,771,340; July 22.
 Martin, Wesley C., Donnelsville, Ohio. Engine-mounting means. 1,755,126; Apr. 15.
 Martin, Wesley C., Donnelsville, Ohio. Two-cycle valveless internal-combustion engine. 1,764,329; June 17.
 Martin, William A., assignor of one-half to J. B. Blackman, Fort Worth, Tex. Stalk cutter. 1,754,832; Apr. 15.
 Martin, William C., Boston, and W. Martin, Watertown, Mass. Sanding device for motor vehicles. 1,781,120; Nov. 11.
 Martin, William M., assignor to H. Ribbe, New York, N. Y. Parachute. 1,746,862; Feb. 11.
 Martindale, Charles A. (See Bradshaw, S. S., and Martindale.)
 Martindell, Frank, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating materials. 1,786,416; Dec. 23.
 Martineau, Henry F., Solvay, N. Y. Grate. 1,770,595; July 15.
 Martinek, Alexander, assignor to Prager Co. Inc., Brooklyn, N. Y. Process and machine for manufacturing wall paper and the like. 1,742,363; Jan. 7.
 Martinet, Eugene F., assignor to The Dual Speedometer Company, Cleveland, Ohio. Speed-indicating mechanism. 1,744,402; Jan. 21.
 Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaning apparatus. 1,753,799; Apr. 8.
 Martinet, Eugene F., assignor to The Dual Speedometer Company, Cleveland, Ohio. Speed-indicating device. 1,755,184; Apr. 22.
 Martinet, Eugene F., assignor to The Dual Speedometer Company, Cleveland, Ohio. Speed-indicating control means. 1,755,185; Apr. 22.
 Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Removable-brush attachment. 1,770,668; July 15.
 Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Swivel connector. 1,770,669; July 15.
 Martinez, Felix J., Baton Rouge, La., assignor to Standard Oil Development Company. Flexible mechanical pick. 1,745,804; Feb. 4.
 Martini & Hünke Maschinenbau-Aktiengesellschaft. (See Hurlbrink, E., and Ludwig, assignors.)
 Marting, Heber E. (See Borgmann, C., Marting, and Hagland.)
 Martinka, Michael, Rakosszentmihaly, Hungary. Heat regenerator. 1,776,162; Sept. 16.
 Martini, Ciro L., assignor to himself, J. A. Walsh, P. Nardelli, and W. L. Morris, New York, N. Y. Apparatus and method for use in the taking of motion pictures. 1,770,351; July 8.
 Martins, Jens C., Copenhagen, Denmark. Manufacturing belt pulleys. 1,748,452; Feb. 25.
 Martinsen, Leonard C., Kimballton, Iowa. Transmission. 1,755,186; Apr. 22.
 Martinson Brothers & Osburn, Inc., et al. (See Sardeson, R., and La Mere, assignors.)
 Martocello, Joseph A., Philadelphia, Pa. Air supply for can baskets. 1,758,614; May 13.
 Martocello, Joseph A., Philadelphia, Pa. Ice-making system and method of obtaining dry air. 1,783,807; Dec. 2.
 Martocello, Joseph A., Philadelphia, Pa. Support for drop tubes. 1,783,808; Dec. 2.
 Martois, Arthur E., Compton, and W. E. Martois, Gardena, Calif. Straight-line pumping operating mechanism. 1,780,933; Nov. 11.
 Martois, Arthur E., Compton, and R. D. Pearson, Los Angeles, Calif. Unscrewing attachment for drill pipe. 1,753,244; Apr. 8.
 Martois, Waldo E. (See Martois, Arthur E. and W. E.)
 Martus, Martin L., Woodbury, Conn. Headless set screw. 1,753,154; Apr. 1.
 Marty, Albert H., Cleveland, Ohio. Mounting for glass windows or the like. 1,787,386; Dec. 30.
 Martz, H. H. (See Good, David B., assignor.)
 Marvel Carburetor Company. (See De Voe, Ray T., assignor.)
 Marvel Carburetor Company. (See Heginbottom, Walter G., assignor.)
 "Marvel Carburetor Company." (See Kirby, Charles H., assignor.)
 Marvel Carburetor Company. (See Molony, Donald P., assignor.)
 Marvel Carburetor Company. (See Purdy, Frederick, assignor.)
 Marvel Carburetor Company. (See Rayfield, Charles L., assignor.)
 Marvel Carburetor Company. (See Redmond, Albert G., assignor.)
 Marvel Carburetor Company. (See Richard, Eugene C., assignor.)
 Marvel, Harvey E., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Self-dumping rag catcher. 1,760,509; May 27.
 Marvel, Harvey E., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Spraying apparatus for rag catchers. 1,760,510; May 27.
 Marvel, Harvey E., assignor to S. F. Bowser & Company, Fort Wayne, Ind. Rag-catching apparatus for beater tubs. 1,760,511; May 27.
 Marvel, Orin E., assignor, by mesne assignments, to General Motors Radio Corporation, Dayton, Ohio. Radio apparatus. 1,761,019; June 3.
 Marvel, Orin E., assignor, by mesne assignments, to General Motors Radio Corporation, Dayton, Ohio. System for amplifying radiant-energy oscillations. 1,761,530; June 3.
 Marvel, Orin E., assignor, by mesne assignments, to General Motors Radio Corporation, Dayton, Ohio. Electrical apparatus. 1,766,505; June 24.
 Marvel, Orin E., assignor, by mesne assignments, to General Motors Radio Corporation, Dayton, Ohio. Radio tuning device. 1,768,703; July 1.
 Marvel Specialties Corporation. (See Krueger, Adolph, assignor.)
 Marvellum Company, The. (See Bracewell, Russell S., assignor.)
 Marvellum Company, The. (See Heywood, F. C., Senseney, and Bracewell, assignors.)
 Marvin, Lester B., Pueblo, Colo. Seat support. 1,782,241; Nov. 18.
 Marvin, W. B., Manufacturing Company, The. (See Ritter, John J., assignor.)
 Marvin, Walter S. (See Koenig, R., and Marvin.)
 Marwell, Max, Brooklyn, N. Y. Folding chair. 1,746,952; Feb. 11.
 Marx, Henry C., New Troy, Mich. Musical instrument. 1,748,025; Feb. 18.
 Marx, John F., assignor of one-half to G. G. Burns, Rochester, N. Y. Self-feeding match case. 1,756,127; Apr. 29.
 Marx, Karl F., assignor to A. E. Fixel, Detroit, Mich. Reduction of fire hazards in vehicles. 1,761,221; June 3.
 Marx, Karl, H. Behncke, and K. Brodersen, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Highly-active catalyst. 1,783,662; Dec. 2.
 Marx, Louis, New York, N. Y. Combined doll's cradle and sound-producing means. 1,749,081; Mar. 4.
 Marx, Louis, New York, N. Y. Combined doll's carriage and sound-producing means. 1,751,047; Mar. 18.
 Marx, Louis, New York, N. Y. Toy repeating gun. 1,759,128; May 20.
 Marx, Louis, New York, N. Y. Walking mannikin. 1,764,330; June 17.
 Marx, Louis, New York, N. Y. Toy. 1,782,786; Nov. 25.
 Marx, Louis, New York, N. Y. Toy. 1,783,511; Dec. 2.
 Marx, Louis, New York, N. Y., assignor to C. J. Corroll and F. F. Gosden, Chicago, Ill. Vehicle toy. Des. 82,440; Nov. 4.
 Marx, Louis, Brooklyn, N. Y. Automobile radiator ornament. 1,771,265; July 22.
 Marx, Robert D., Brooklyn, N. Y. Truck. 1,750,677; Mar. 18.
 Marx, Robert D., Brooklyn, N. Y. Vehicle body construction. 1,763,715; June 17.
 Maryland Air Conditioning Corporation. (See Cano, Vernon, assignor.)
 Maryland Baking Company et al. (See Glassner, Mitchel, assignor.)
 März, Cuno, assignor to the firm of Gustav Maler, Schramberg, Germany. Paper-sorting device. 1,787,387; Dec. 30.

- Marzak, Joseph S., assignors to Lion Brothers Company, Inc., Baltimore, Md. Hat. 1,755,300; Apr. 22.
- Mas, George N., Washington, D. C. Bottle. Re17,803; Sept. 16.
- Mas, George N., Washington, D. C., assignor, by mesne assignments, to J. T. Dowling and G. R. Sappington, trustees. Bottle. Des. 80,902; Apr. 8.
- Mascarini, Giovanni, Milan, Italy. Automatic control for electric steam boilers. 1,742,406; Jan. 7.
- Mascarucci, Giuseppe, Turin, assignor, to Safat Società Anonima Fabbrica Armi-Torino, Torino, Italy. Device for reducing the rate of fire of automatic firearms. 1,771,132; July 22.
- Mascarucci, Giuseppe, assignor to Safat Società Anonima Fabbrica Armi-Torino, Turin, Italy. Device for feeding cartridges and for cocking the striker in automatic firearms. 1,783,577; Dec. 2.
- Mashek, Henry, Wichita Falls, Tex. Dirt mover. 1,780,239; Nov. 4.
- Maschinenbau-Anstalt Humboldt. (See Jaedel, Wilhelm, assignor.)
- Maschinenfabrik Augsburg-Nuernberg A. G. (See Duwe, Friedrich, assignor.)
- Maschinenfabrik Augsburg-Nuernberg A. G. (See Jag-schitz, Konrad, assignor.)
- Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft. (See Becker, Heinrich, assignor.)
- Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft. (See Mahler, Johann, assignor.)
- Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft. (See Wilhelm, Ottmar, assignor.)
- Maschinenfabrik Augsburg-Nurnberg A. G. (See Fischer, Hans, assignor.)
- Maschinenfabrik Augsburg-Nürnberg, A. G. (See Piel-stick, Gustav, assignor.)
- Maschinenfabrik Augsburg-Nurnberg A. G. (See Riehm, Wilhelm, assignor.)
- Maschinenfabrik Beth. Aktiengesellschaft. (See Clasen, F., and Lenckerstorf, assignors.)
- Maschinenfabrik Einsiedel Gesellschaft mit beschränkter Haftung. (See Lieberknecht, Paul, assignor.)
- Maschinenfabrik Esslingen. (See Grenzer, Ferdinand, assignor.)
- Maschinenfabrik Esslingen. (See Stoffels, Josef, assignor.)
- Maschinenfabrik Fr. Schüle & Co. et al. (See Lang, Anton, assignor.)
- Maschinenfabrik Oerlikon. (See Egg, Hartmann, assignor.)
- Maschinenfabrik Rütli vormals Casper Honegger. (See Egli, Ernst, assignor.)
- Maschinen- und Werkzeugfabrik Kabel Vogel & Schemmann A. G. (See Behrens, Hermann, assignor.)
- Mase, Roscoe P., Wilkinsburg, Pa. Liquid and gas contact apparatus. 1,765,087; June 17.
- Masek, James C., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Theater-lighting-control apparatus. 1,764,411; June 17.
- Maseranz, John B., Belleville, Ill. Fence-post connection. 1,786,573; Dec. 30.
- Masin, Jacob S., Anniston, assignor, by mesne assignments, to Swann Research, Inc., Birmingham, Ala. Purification of aluminum oxide. 1,777,570; Oct. 7.
- Masin, Jacob S., and H. E. White, Anniston, assignors, by mesne assignments, to Swann Research, Inc., Birmingham, Ala. Production of high-purity abrasive materials. 1,786,016; Dec. 23.
- Masin, Oldrich F., New York, N. Y., assignor to Ward Leonard Electric Company. Resistance device. 1,744,911; Jan. 28.
- Masing, Georg, Berlin, Germany, assignor, by mesne assignments, to Metal & Thermit Corporation, New York, N. Y. De-oxidation of molten metals or alloys. 1,774,837; Sept. 2.
- Masing, Georg, Berlin, and O. Dahl, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Improvement of the properties of iron-beryllium alloys. 1,746,356; Feb. 11.
- Maslon, Alfred, Brussels, Belgium. Braking mechanism for railway vehicles. 1,779,776; Oct. 28.
- Maskery, Edgar J., Paterson, N. J. Crate for use in weighting fabrics. 1,758,956; May 20.
- Maskrey, Alfred E., Irvington, assignor, by mesne assignments, to Industrial Welded Alloys Inc., Newark, N. J. Lined tank or pressure vessel. 1,748,575; Feb. 25.
- Maskow, Abe, New York, N. Y. Fastening device. 1,772,837; Aug. 12.
- Maslin, Albert J. (See Peters, J. F., and Maslin.)
- Mason, Arthur C., Hawthorne, N. J. Cloth-shearing machine. 1,749,829; Mar. 11.
- Mason, Arthur C., Hawthorne, N. J. Fabric-treating machine. 1,757,536; May 6.
- Mason, Arthur R., Medford, Oreg. Positive position-timing clutch. 1,750,115; Mar. 11.
- Mason, Arthur R., and O. C. Failing, Medford, Oreg., assignors to Accurate Gasoline Recording Company. Variable-speed mechanism. 1,750,114; Mar. 11.
- Mason, Au & Magenheimer Confectionery Manufacturing Company. (See Laskey, William B., assignor.)
- Mason, Bernard H. (See Masters, Marion G., assignor.)
- Mason Box Company, The. (See Cyr, Victor A., assignor.)
- Mason, Carl T., East Orange, assignor to Tiffany Manufacturing Company, Newark, N. J. Hood latch. 1,769,151; July 1.
- Mason, Carl T., East Orange, assignor to Tiffany Manufacturing Company, Newark, N. J. Pressure gauge. 1,781,818; Nov. 18.
- Mason, Charles H., East Providence, R. I. Manual-training bench. 1,785,321; Dec. 16.
- Mason, Erwin S., Norwood, assignor to The J. H. Day Company, Cincinnati, Ohio. Pressure-indicating device. 1,772,188; Aug. 5.
- Mason, Frank B., New Providence, N. J., assignor to Swan-Finch Corporation, New York, N. Y. Core and composition for producing the same. 1,778,329; Oct. 14.
- Mason, Frank B., New Providence, assignor of one-fourth to F. A. Urner, Scotch Plains, one-fourth to E. A. Ford, Westfield, N. J., and one-fourth to A. H. Serrell, New York, N. Y. Oil rectifier. 1,747,554; Feb. 18.
- Mason, George W., assignor to Copeland Products Incorporated, Detroit, Mich. Refrigerator cabinet. 1,756,984; May 6.
- Mason, George W., assignor to Copeland Products, Inc., Detroit, Mich. Refrigerator cabinet. 1,768,774; July 1.
- Mason, Harry L., Ottumwa, Iowa. Vehicle signal and release system. 1,745,307; Jan. 28.
- Mason, Herbert T., assignor to Quabaug Rubber Company, North Brookfield, Mass. Rubber sole. 1,743,676; Jan. 14.
- Mason, James L. (See Wheeler, H. A., Bentz, and Mason.)
- Mason, Julius H., Duncan Falls, Ohio. Cutting machine for wood gutters. 1,767,994; June 24.
- Mason, Lora, Jacksonville, Ill. Drip pan. 1,751,344; Mar. 18.
- Mason Manufacturing Company. (See Flood, Leo P., assignor.)
- Mason, Max, Chicago, Ill., assignor of thirty per cent to L. B. Slichter, thirty per cent to D. L. Hay, and ten per cent to D. C. Slichter, Madison, Wis. Thermostat and similar control mechanism. 1,782,045; Nov. 18.
- Mason, Richard C., Tulsa, Okla., assignor to E. Joyce, Coffeyville, Kans. Underground pump for deep wells. 1,777,981; Oct. 7.
- Mason Tire & Rubber Corporation, The. (See Humphrey, Walter E., assignor.)
- Mason Tire & Rubber Co., The. (See Humphrey, W. E., and Graham, assignors.)
- Mason, Warren P., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic-noise-suppression device. 1,778,035; Oct. 14.
- Mason, Warren P., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated. Wave filter. 1,781,469; Nov. 11.
- Mason, Wesley W., Baltimore, Md. Bottle closure. 1,752,603; Apr. 1.
- Mason, Willard J. (See Cumfer, Harry A., assignor.)
- Mason, Willard J., et al. (See Mickelson, Alfred O., assignor.)
- Mason, William H., Laurel, assignor to Masonite Corporation, Laurel, Miss. Making composition boards and the like and apparatus therefor. 1,767,539; June 24.
- Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Water-resistant fiber product and process of manufacture. 1,784,993; Dec. 16.
- Masonite Corporation. (See Mason, William H., assignor.)
- Massacece, Vincenzo, assignor to The Manhattan Spring Bed Company, New York, N. Y. Brace for spring structures. 1,774,938; Sept. 2.
- Massardo, Domingo, Santiago, Chile. Car-tacking indicator. 1,761,217; June 17.
- Massé, Jean B. (See Paradis, P. A., and Massé.)
- Massey, Carroll C. (See Massey, Orren I. and C. C.)
- Massey Concrete Products Corporation. (See Huntoon, John S., assignor.)
- Massey, Edward, Northport, assignor to C. S. Hammond and Company, Brooklyn, N. Y. Method of and apparatus for shaping gores for geographical globes and the like. 1,779,044; Oct. 21.
- Massey-Harris Company. (See Harris, B. S., and Johnston, assignors.)
- Massey, Howard C., Kansas City, Mo. Bacon forming or shaping machine. 1,752,190; Mar. 25.
- Massey, John C., et al. (See Corey, Percival C., assignor.)
- Massey, John F., Chicago, Ill. Window structure. 1,766,392; June 24.
- Massey, Orren I. and C. C., Elk City, Okla. Hat holder. 1,776,634; Sept. 23.
- Massie, Arnold C., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Support construction for large filament lamps. 1,783,623; Dec. 2.
- Massingham, Henry R., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-feeding apparatus. 1,744,779; Jan. 28.
- Massingham, Henry R., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for producing electrical cables. 1,752,497; Apr. 1.
- Massingham, Henry R., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-feeding apparatus. 1,752,604; Apr. 1.
- Massolle, Joseph. (See Enzl, J., Vogt, and Massolle.)
- Masson, Henry J. (See Miller, A. L., and Masson.)
- Masson, Pierre. (See de Bonal, G., and Masson.)
- Massot, Pierre. (See Klein, G., and Massot.)
- Massu, Paul J. (See Buraux, R. L. G., and Massu.)
- Master, Albert, Park Ridge, Ill. Hoist. 1,769,380; July 1.
- Master-Craft Corporation. (See Allyn, L. L., and Pool, assignors.)

- Mastercrafts Corporation.** (See Miller, Earl B., assignor.)
Master Electric Company, The. (See Larsh, Everett P., assignor.)
Master Fan Corporation. (See Ness, William H. C., assignor.)
Master Machinery and Implement Company. (See Kurth, Matthew G., assignor.)
Master Package Corporation, The. (See Hulbert, Edwin F., assignor.)
Master Wire Lath Company. (See Hicks, William D., assignor.)
Master Woodworker Mfg. Co. (See Fisk, William T., assignor.)
Masters, Clarence W. (See Masters, Marjorie C. and C. W.)
Masters, Marion G., Evansville, assignor of one-half to B. H. Mason, Vanderburg County, Ind. Valve mechanism for internal-combustion engines. 1,749,496; Mar. 4.
Masters, Marjorie C. and C. W., Wynnewood, Pa. Child's garment. 1,758,081; May 13.
Masterson, John J., assignor of one-half to J. H. Raymond, East Weymouth, Mass. Snipping attachment for folding machines. 1,771,092; July 22.
Masterson, Meckley, and O. Markel, Chicago, Ill. Leak-preventing seal. 1,784,104; Dec. 9.
Masterson, Teresa. (See Essex, H., Gelormini, and Masterson.)
Mastin, Charles R., Midland Park, N. J. Gasket. 1,777,443; Oct. 7.
Mastin, Clarence W., San Antonio, Tex. Pocket structure for garments. 1,780,204; Nov. 4.
Maston, Edward E., Wilmette, assignor to Mid-West Box Company, Chicago, Ill. Device for holding rolls of paper. Re17,843; Oct. 21.
Maston, Edward E., assignor to Mid-West Box Company, Chicago, Ill. Machine for making corrugated board. 1,770,757; July 15.
Mastrangelo, Alphonso. (See Mastrangelo, Frank and A.)
Mastrangelo, Frank and A. Mastrangelo, Fitchburg, Mass. Milk-bottle receiving cabinet. 1,774,102; Aug. 26.
Mastrone, Joseph, Southington, Conn. Vent plug. 1,747,873; Feb. 18.
Masury, Alfred F., New York, N. Y., assignor, by mesne assignments, to The Rubber Shock Insulator Corporation, Bridgeport, Conn. Rubber mounting for glass floors. 1,748,487; Feb. 25.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Free-wheel drive. 1,751,868; Mar. 25.
Masury, Alfred F., New York, N. Y., assignor, by mesne assignments, to The Rubber Shock Insulator Corporation, Wilmington, Del. Cushioning device for marine propulsion. 1,755,549; Apr. 22.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Paneling with flexible connections. 1,760,426; May 27.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Seat upholstery. 1,763,001; June 10.
Masury, Alfred F., and A. H. Leipert, New York, N. Y., assignors, by mesne assignments, to The Rubber Shock Insulator Corporation, Wilmington, Del. Sectional rubber pavement. Re17,795; Sept. 9.
Masury, Alfred F., W. B. Jupp, New York, N. Y., and F. E. Queeney, Teaneck, N. J., assignors to International Motor Company, New York, N. Y. Control for direct-current generators. 1,765,088; June 17.
Masury, Joseph A. (See McCoy, P. W., and Masury.)
Matabon, Jean L., and C. M. Foucault, Lyon, France. Self-exciting compensated asynchronous machine. 1,751,937; Mar. 25.
Matabon, Jean L., and C. M. Foucault, Lyon, France. Power-factor control of alternating-current asynchronous machines. 1,754,029; Apr. 8.
Mataya, William, Seattle, Wash. Commutator accessory. 1,781,551; Nov. 11.
Matchett, George H., Cleveland, Ohio. Vending machine. 1,749,773; Mar. 11.
Mateer, Jesse E. (See MacDonald, H. G., Mateer, and Burr.)
Mateer, Jesse E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. High-voltage structure. 1,754,833; Apr. 15.
Mathé, Aimé, Paris, France, assignor to Hartford-Empire Company, Hartford, Conn. Closure for glass-gathering openings. 1,775,683; Sept. 16.
Mather, George L., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Manufacture of pneumatic-tire casings. 1,762,830; June 10.
Mather, Mildred C., Minneapolis, Minn. Protector. 1,783,512; Dec. 2.
Mathers, William H., Hollis, assignor to Richard Dudgeon, Inc., New York, N. Y. Hydraulic filter press. 1,749,080; Mar. 4.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Two-way-signaling system. 1,747,835; Feb. 18.
Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,752,498; Apr. 1.
Mathes, Robert C., Wyoming, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Wave transmission system. 1,757,729; May 6.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,759,623; May 20.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical image production. 1,760,159; May 27.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Volume-control system. 1,762,727; June 10.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording. 1,763,169; June 10.
Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,768,264; June 24.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative impedance circuit. 1,779,382; Oct. 21.
Matheson, Donald E. (See Matheson, James H., assignor.)
Matheson, Howard W., Montreal, and F. W. Skirrow, Shawinigan Falls, assignors to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Making synthetic gummy or resinous material. 1,746,665; Feb. 11.
Matheson, James H., Wyomissing, assignor to D. E. Matheson, Edgewood Park, Pa. Aerial for radio apparatus. 1,755,012; Apr. 15.
Matheson, Martin H. (See Walsh, H. S., and Matheson.)
Matheson, Roy, Hollis, Okla. Knee pad. 1,753,055; Apr. 1.
Matheson, William A., assignor to Roll-A-Way Bed Corporation, Chicago, Ill. Portable bed or the like. 1,757,377; May 6.
Mathews, Arthur B., Plainfield, N. J. Carburetor. 1,742,268; Jan. 7.
Mathews Conveyer Company. (See Anderson, Martin J., assignor.)
Mathews, Emma W. (See Simmons, Mary E., assignor.)
Mathews, Louis T., Houston, Tex. Copyholder attachment for typewriters. 1,781,552; Nov. 11.
Mathews, Neil C., et al. (See Johnson, V. A., and Lawler, assignors.)
Mathews, William C. C., Philadelphia, Pa. Vegetable-paring machine. 1,777,123; Sept. 30.
Mathews, William E., Birmingham, Ala. Reinforcement-bar support. 1,753,523; Apr. 8.
Mathews, William E., Birmingham, Ala., assignor to Hardie-Tynes Manufacturing Company. Unloading system for compressors. 1,769,898; July 1.
Mathews, William E., Birmingham, Ala., assignor to Hardie-Tynes Manufacturing Company. Compressor valve. 1,769,899; July 1.
Mathews, William E., North Birmingham, Ala. Support and spacer for reinforcement bars. 1,773,918; Aug. 26.
Mathewson, John E., Avalon, Calif. Oarlock. 1,757,378; May 6.
Mathewson, Maxwell I. (See Copland, A. W., and Mathewson.)
Mathewson, Maxwell I., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Foot stock. 1,744,780; Jan. 28.
Mathewson, Maxwell I., Providence, and A. Brown, Cranston, R. I., assignors to Brown and Sharpe Manufacturing Company. Tensioning device for driving belts. 1,744,781; Jan. 28.
Mathewson, Wilfred B., Weymouth, assignor to American Window Shade Machine Co. Inc., Boston, Mass. Tack forming and driving machine. 1,762,450; June 10.
Mathey, Gustave S. (See Bibb, C. H., and Mathey.)
Mathey, Gustave S., Elizabeth, assignor to Johnson & Johnson, New Brunswick, N. J. Tennis string. 1,770,794; July 15.
Mathey, Gustave S., Elizabeth, N. J., assignor to Johnson & Johnson, New Brunswick, N. J. Adhesive. 1,784,740; Dec. 9.
Mathey, Nicholas W. (See Cooke, John M., assignor.)
Mathias, Albert J., Philadelphia, Pa. Support for window drapery. 1,773,590; Aug. 19.
Mathias, David L., Pittsburgh, Pa. Electrically-operated toy set. 1,747,255; Feb. 18.
Mathias, Lewis D., Nashville, Tenn. Combined display receptacle and individual container for toilet preparations. Des. 80,281; Jan. 7.
Mathieson Alkali Works, The. (See Evans, G. S., assignor.)
Mathieson Alkali Works, Inc., The. (See MacMahon, James D., assignor.)
Mathieson Alkali Works, Inc., The. (See MacMullin, R. B., and Taylor, assignors.)
Mathieson Alkali Works, Inc., The. (See MacMullin, Robert B., assignor.)
Mathieson Alkali Works, Inc., The. (See MacMullin, R. B., and Guyer, assignors.)
Mathieson Alkali Works, Inc., The. (See MacMullin, R. B., and Taylor, assignors.)
Mathieson, Holger T., assignor to Illinois Pacific Glass Corporation, San Francisco, Calif. Valve driving and timing mechanism. 1,777,758; Oct. 7.
Mathieu, Léon L., Rouen, assignor to Societe Anonyme des Hauts-Fourneaux et Fonderies de Pont-a-Mousson, Pont-a-Mousson, Meurthe-et-Moselle, France. Molding sand. 1,776,686; Sept. 23.
Mathis Yacht Building Company. (See Trumpy, John, assignor.)
Mathison, Wegor E., Chicago, Ill. Attachment for smokers' pipes. 1,742,480; Jan. 7.

- Matlock, Alfred R. (See Comstock, Charles C., assignor.)
 Matlock, Chauncey, assignor to Gasoline Corporation, New York, N. Y. Automatic oil-pump regulator. 1,770,213; July 8.
- Matlock, Robert C., jr., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Preventing weathering of glass. 1,760,427; May 27.
- Matosian, Suren, Los Angeles, Calif. Furniture stand. Des. 82,643; Nov. 25.
- Matouch, Rudolf A. F., Leipzig, assignor to Adolf G. Köllmann, Leipzig-Gehlis, Saxony, Germany. Mercury-vapor lamp for alternating currents. 1,750,482; Mar. 11.
- Matovitz, Stephen E., St. Paul, Minn. Shade slat. 1,757,017; May 6.
- Matschi, Curt, Wettingen, Switzerland. Front-wheel driving joint with steering swivel for motor vehicles. 1,782,361; Nov. 18.
- Matson, Carl A., Lynnfield, Mass. Teapot. 1,748,297; Feb. 25.
- Matson, Carl A., Lynnfield, Mass., assignor to Shoe Lace Company, Ltd., Providence, R. I. Banding machine. 1,773,314; Aug. 19.
- Matson, Charles I., Chicago, Ill. Tire pump. 1,777,009; Sept. 30.
- Matson, Richard M. (See Smith, A., and Matson.)
- Matsui, Tashiro, Tacoma, Wash. Sprinkler. 1,751,345; Mar. 18.
- Matt, Walter J., assignor to Utica Cutlery Company, Utica, N. Y. Knife handle or similar article. Des. 82,573; Nov. 18.
- Matt, Walter J., assignor to Utica Cutlery Company, Utica, N. Y. Knife handle or similar article. Des. 82,574; Nov. 18.
- Matta, George, Braddock, Pa. Helicopter. 1,786,017; Dec. 23.
- Matte, Andrew L., Summit, N. J., assignor to American Telephone and Telegraph Company. Alternating-current telegraph system. 1,759,950; May 27.
- Mattenklott, Friedrich, Berlin, Germany. Map finder. 1,755,742; Apr. 22.
- Mattern, George W., assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio. Golf-club head. 1,780,625; Nov. 4.
- Mattern, Heinrich M. M., jr., Hilversum, Netherlands. Hydraulic actuating mechanism. 1,762,068; June 3.
- Mattern, Heinrich M. M., jr., Hilversum, Netherlands. Reversing gear for reciprocating engines with hydraulically-operated valves. 1,763,474; June 10.
- Matteson, George F., Rockyhill, assignor to The F. B. Shuster Company, New Haven, Conn. Feeding device. 1,746,221; Feb. 4.
- Matteson, George F., Rockyhill, assignor to The F. B. Shuster Company, New Haven, Conn. Wire-straightening machine. 1,751,094; Mar. 18.
- Matteson, George F., Rocky Hill, assignor to The Fuller Brush Company, Hartford, Conn. Mop-making machine. 1,763,799; June 17.
- Matteson, George F., Rocky Hill, assignor to The Fuller Brush Company, Hartford, Conn. Feeding mechanism for mop-making machines. 1,763,800; June 17.
- Matthaei, Frederick C. (See Snell, Samuel A., assignor.)
- Matthaei, Frederick C., Detroit, Mich. Automobile heater. 1,775,939; Sept. 16.
- Mattharn, Otto W., Newark, and C. T. Siebs, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical switching apparatus. 1,744,782; Jan. 28.
- Matthes, Harold L. (See Consor, H. A., Matthes, and Wuest.)
- Matthes, Harold L., assignor to The Weis Manufacturing Company, Monroe, Mich. Visible index system. 1,744,979; Jan. 28.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,748,182; Feb. 25.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated switch. 1,751,164; Mar. 18.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Strain insulator. 1,756,651; Apr. 29.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,759,704; May 20.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Section insulator. 1,773,192; Aug. 19.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Connecting device. 1,773,193; Aug. 19.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Connecting device. 1,785,522; Dec. 16.
- Matthews, Albert, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Automatic feeding device for flat-work ironers. 1,765,018; June 17.
- Matthews, Algernon W., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,784,940; Dec. 16.
- Matthews, Bryan H. C., Cambridge, England. Device for measuring electrical quantities. 1,759,951; May 27.
- Matthews, Charles N., Los Angeles, Calif. Tube bender. 1,762,234; June 10.
- Matthews, Clyde L., Haynesville, La. Hositing hook. 1,787,318; Dec. 30.
- Matthews, David H. (See Turner, J. F., Matthews, and Ross.)
- Matthews, Edward, Denver, Colo. Snubber for automobiles. 1,783,193; Dec. 2.
- Matthews, Eugene M., Oklahoma City, Okla. Automobile brake mechanism. 1,744,404; Jan. 21.
- Matthews, Fred T., Brisbane, Australia. Fire extinguisher. 1,750,184; Mar. 11.
- Matthews, Guy L., Chicago, Ill., assignor to H. L. Diehl. Polishing apparatus. 1,758,006; May 13.
- Matthews, Guy L., Chicago, Ill., assignor to H. L. Diehl. Apparatus for and method of twisting gut or the like. 1,758,007; May 13.
- Matthews, Guy L., assignor to H. L. Diehl, Chicago, Ill. Method of and apparatus for cleaning gut. 1,763,002; June 10.
- Matthews, H. A., Manufacturing Company, The. (See Boesel, Otto A., assignor.)
- Matthews, H. A., Manufacturing Company, The. (See Naylor, Henry R., assignor.)
- Matthews, Howard D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermostatic switch. 1,783,179; Dec. 2.
- Matthews, Jas. H., & Company. (See Wade, H. R., and Harley, assignors.)
- Matthews, Jas. H., & Company. (See Witte, William, assignor.)
- Matthews, James W., Harlingen, Tex. Windmill. 1,779,743; Oct. 28.
- Matthews, John G., Berea, Ohio. Shell reamer. 1,777,124; Sept. 30.
- Matthews, Louis L., assignor to C. B. Maxson and J. W. Maxson, Westerly, R. I. Feeding and stacking machine. 1,752,648; Apr. 1.
- Matthews, Osie C., and D. F. Malcom; said Malcom assignor to F. E. Jones and P. P. Matthews, San Bernardino, Calif. Traffic signal. 1,749,387; Mar. 4.
- Matthews, Pearl P., et al. (See Matthews, O. C., and Malcom, assignors.)
- Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Combined transmission unit. 1,743,226; Jan. 14.
- Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Self-adjusting radius rod. 1,774,990; Sept. 2.
- Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Self-adjusting radius rod. 1,774,991; Sept. 2.
- Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Flexible radius rod. 1,779,632; Oct. 28.
- Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)
- Matthews, W. N., Corporation. (See Boll, Lester P., assignor.)
- Matthews, W. N., Corporation. (See Boll, L. P., and Hansen, assignors.)
- Matthews, W. N., Corporation. (See Heinrich, Walter A., assignor.)
- Matthews, W. N., Corporation. (See Volkmann, Ernst, assignor.)
- Matthias, Gilbert L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Channel-strip material and making the same. 1,771,502; July 29.
- Matthies, Otto, and B. Wendt, Dessau in Anhalt, Germany, assignors to Agfa Anso Corporation, Binghamton, N. Y. Light-sensitive silver-halide emulsions and manufacturing the same. 1,758,576; May 13.
- Matthies, Otto, and B. Wendt, Dessau in Anhalt, Germany, assignors to Agfa Anso Corporation, Binghamton, N. Y. Light-sensitive silver-halide emulsions and manufacturing the same. 1,758,577; May 13.
- Matthies, William H., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,742,920; Jan. 7.
- Matthies, William H., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,748,239; Feb. 25.
- Matthiessen, Conrad H., New York, N. Y. Slide-valve mechanism. 1,758,672; May 13.
- Matthiessen, Conrad H., jr. (See Parker, Arnold G., assignor.)
- Matthiessen, Conrad H., jr., New York, N. Y. Aeroplane. 1,780,561; Nov. 4.
- Matthiessen & Hegeler Zinc Co. (See Gerlach, Oscar, assignor.)
- Matti, Jean, Pully, assignor to Augmentine Holding S. A., Lausanne, Roquebrune, Switzerland. Manufacture of bread. 1,750,720; Mar. 18.
- Mattlingly, Edward H., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. Re17,778; Aug. 26.
- Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Chuck-locking device. 1,747,453; Feb. 18.
- Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Abrading machine. 1,762,339; June 10.
- Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Latch device. 1,763,244; June 10.
- Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Feed-control means for turning machines. 1,780,203; Nov. 4.
- Mattison Machine Works. (See Mattison, Carl L., assignor.)
- Mattison Machine Works. (See Medholdt, Louis T., assignor.)
- Mattison Machine Works. (See Olsen, Joseph O., assignor.)

- Mattison Machine Works. (See Vivarttas, William O., assignor.)
- Mattison, Richard V., Ambler, Pa., assignor to Ambler Asbestos Company. Plastic article. 1,752,307; Apr. 1.
- Mattos, John V., Taunton, Mass. Shoe. 1,744,322; Jan. 21.
- Mattscheck, Joseph J., Cincinnati, Ohio, assignor to The Northside Upholstery Company. Combination davenport and bed. 1,747,018; Feb. 11.
- Mattson, Alex. (See Rauha, J. M., jr., and Mattson.)
- Mattson, Bernard O., Memphis, Tenn. Target. 1,754,030; Apr. 8.
- Mattson, Carl, New York, N. Y. Collapsible window frame. 1,783,910; Dec. 2.
- Matusoff, Irving, et al. (See Eggers, Heinrich, assignor.)
- Matunaga, Yosinobu, Azabuku, Tokyo, Japan, assignor to General Electric Company. Vacuum gauge. 1,768,415; June 24.
- Matushenko, Dimitry F., Brooklyn, N. Y. Bracelet lock. 1,754,959; Apr. 15.
- Matzka, Wincenty, London, England. Production of a ferment. 1,781,788; Nov. 18.
- Mauborgne, Camille, Montreal, Quebec, Canada. Switch mechanism. 1,755,070; Apr. 15.
- Mauck, Victor, Merion, Pa. Thermostatically-controlled gas water heater. 1,769,590; July 1.
- Mauck, Victor, Merion, Pa. Gas water heater. 1,773,919; Aug. 26.
- Mauck, Victor, Merion, Pa. Water heater. 1,782,209; Nov. 18.
- Mauck, Victor, Norristown, assignor to John Wood Manufacturing Company, Conshohocken, Pa. Gas water heater. 1,747,982; Feb. 18.
- Mauk, Robert R. (See Mills, H. A., and Mauk.)
- Maulen, Charles F., et al. (See Garrett, Henry, assignor.)
- Maul, Henry C., assignor to Detroit Michigan Stove Company, Detroit, Mich. Combined heater casing and fire box. Des. 82,575; Nov. 18.
- Mauler, Carl. (See Parschik, Josef assignor.)
- Maunula, Otto A., and W. R. Rowland, assignors to Diesel Filter Co., Astoria, Oreg. Oil filter. 1,750,935; Mar. 18.
- Maunz, Eugene, Detroit, Mich. Vehicle signal. 1,758,547; May 13.
- Maupin, Graves R., Moberly, Mo. Device for finishing cylindrical surfaces. 1,748,959; Mar. 4.
- Maupin, Graves R., assignor to The J. Faessler Manufacturing Company, Moberly, Mo. Tube expander and flarer. 1,747,376; Feb. 18.
- Maupin, Graves R., assignor to The J. Faessler Manufacturing Company, Moberly, Mo. Tube expander and flarer. 1,747,723; Feb. 18.
- Maurais, Joseph V., Muscatine, Iowa. Power-shaft connection for internal-combustion engines. 1,784,902; Dec. 16.
- Maurel, Henry F., Providence, R. I., assignor to Maurel Investment Corporation. Oven. 1,750,721; Mar. 18.
- Maurel, Henry F., Providence, R. I., assignor to Maurel Investment Corporation. Manufacturing fuel briquettes. 1,780,205; Nov. 4.
- Maurel Investment Corporation. (See Maurel, Henry F., assignor.)
- Maurer, Charles. (See Braun, W. A., and Maurer.)
- Maurer, Conrad B., and H. P., Philadelphia, Pa. Scenic display device. 1,756,565; Apr. 29.
- Maurer, Donald D., Walnut Creek, Calif. Transmission. 1,783,513; Dec. 2.
- Maurer, Elmer B. (See Bloss, R. R., Maurer, and Creamer.)
- Maurer, George E. (See Allen, William H., assignor.)
- Maurer, George E., et al. (See Bechtold, Troy W., assignor.)
- Maurer, Howard P. (See Maurer, Conrad B., and H. P.)
- Maurer, Jakob, Constance, Switzerland. Coating with metal, porcelain, celluloid, etc., in a plastic state. 1,779,850; Oct. 28.
- Maurer, Oscar V. (See Rittenhouse, M. J., and Maurer.)
- Maurer, Otto T., New York, N. Y. Package-opening device. 1,785,639; Dec. 16.
- Maurer, Ruth D., Corporation. (See Maurer, R. D., and Joyce, assignors.)
- Maurer, Ruth D., and H. D. Joyce, assignors to Ruth D. Maurer Corporation, New York, N. Y. Bottle. Des. 81,447; June 24.
- Mauriello, Gabriele. (See Calcagni, Victoria, assignor.)
- Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,755; Aug. 5.
- Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,838; Aug. 19.
- Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,861; Aug. 19.
- Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,885; Aug. 26.
- Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 82,408; Oct. 28.
- Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 82,511; Nov. 11.
- Mauzy, Alfred D., Olion, N. Y., assignor to Martin Automatic Fishing Reel Company, Incorporated. Brake for automatic reels. 1,785,279; Dec. 16.
- Maus, George H., Amsterdam, N. Y. Rake. 1,752,447; Apr. 1.
- Mausner, Alfons, deceased, Cologne-Marienburg, by F. Braun, Cologne, and R. Eith, Cologne-Ehrenfeld, Germany, executors. Method of and apparatus for flanging containers. 1,753,963; Apr. 8.
- Mauterer, Arthur, Dortmund, Germany. Corrugated-sheet-metal piling. 1,779,100; Oct. 21.
- Mauthe, Gustav. (See Doser, A., Mauthe, and Thauss.)
- Mauthe, Gustav. (See Thauss, A., Doser, and Mauthe.)
- Mauthe, Gustav. (See Thauss, A., and Mauthe.)
- Mauthe, Gustav, Cologne-Holweide, and A. Thauss, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc. Product obtainable by treating wood fat with a sulphonating agent and preparing the same. 1,780,027; Oct. 28.
- Mauthe, Gustav, Cologne-Holweide, and A. Thauss, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-soluble product from fatty acids occurring in wool fat. 1,784,941; Dec. 16.
- Mauthe, Jacob, Waterbury, Conn. Window-glass fastener. 1,743,677; Jan. 14.
- Mavrogenis, Aristote, Milwaukee, Wis. Electron-discharge device. Re17,640; Apr. 8.
- Mavis Machine Corporation. (See Davis, Henry K. B., assignors.)
- Mawby, Fred J., Hays Township, Charlevoix County, Mich. Valve. 1,753,524; Apr. 8.
- Max Ams Chemical Engineering Corporation, The. (See Brenzinger, Julius, assignor.)
- Max, George J., assignor to Trumbull Manufacturing Company, Warren, Ohio. Outlet leg and valve for tank cars. 1,758,165; May 13.
- Maxant, Frank, Ayer, Mass. Railway-car journal box. 1,784,069; Dec. 9.
- Maxfield, Elsworth. (See Andrews, Robert H., assignor.)
- Maxfield, Harry L., and W. E. Mikkelsen, Janesville, Wis. Hydrocarbon burner. 1,751,555; Mar. 25.
- Maxim, Hiram P., and R. B. Bourne, assignors, by mesne assignments, to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,756,297; Apr. 29.
- Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)
- Maxim Silencer Company, The. (See Maxim, H. P., and Bourne, assignors.)
- Maximilian, Max, Chicago, Ill., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid-pressure hammer. 1,761,734; June 3.
- Maximoff, Alexander T., New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Production of erythrene and its homologues from derivatives of glycol. 1,748,722; Feb. 25.
- Maximoff, Alexander T., New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Catalyst for the production of ethylene glycols and ethylene hydrocarbons. 1,752,016; Mar. 25.
- Maximum Storage Garage Planning Corporation, The. (See Beecher, W. G., and Smith, assignors.)
- Maxmoor Corporation. (See Moore, Arlington, assignor.)
- Maxon, Bruce E., Cincinnati, Ohio. Sign. 1,747,377; Feb. 18.
- Maxson, Charles B., et al. (See Matthews, Louis L., assignor.)
- Maxson, Charles B., assignor of one-half to J. W. Maxson, Westerly, R. I. Feeding and stacking method and machine. 1,752,681; Apr. 1.
- Maxson, Julian W., et al. (See Matthews, Louis L., assignor.)
- Maxson, Julian W. (See Maxson, Charles B., assignor.)
- Maxson, Westerly, R. I. Feeding and stacking machine. 1,752,648; Apr. 1.
- Maxson, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company. Hole-opening punch. 1,758,846; May 13.
- Maxson, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,781,906; Nov. 18.
- Maxson, Rolland H., assignor to The Burdick Corporation, Milton, Wis. Therapeutic-lamp unit. 1,776,863; Sept. 30.
- Maxson, Rolland H., assignor to The Burdick Corporation, Milton, Wis. Radiant-energy-generating unit. 1,786,439; Dec. 30.
- Maxstadt, Francis W. (See McKeldin, J. R., and Maxstadt.)
- Maxwell, Francis, Wallington, England. Cane mill. 1,752,533; Apr. 1.
- Maxwell, Francis, Wallington, England. Sugar-cane-crushing apparatus. 1,763,855; June 17.
- Maxwell, Francis, Wallington, England. Cane-crushing apparatus. 1,781,186; Nov. 11.
- Maxwell, George H., Phoenix, Ariz., assignor to North American Chemical Company, Boston, Mass. Shoe-bottom-filling machine. 1,743,720; Jan. 14.
- Maxwell, Grover C., Maspeth, N. Y., and W. McCarthy, jr., Rochelle Park, N. J. Gas stove. 1,744,403; Jan. 21.
- Maxwell, Maxwell C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Padlock. Des. 80,385; Jan. 21.
- Maxwell, Ralph E., Modesto, Calif. Device for stirring frozen desserts. 1,760,654; May 27.
- Maxwell, William H., et al. (See Carter, Samuel C., assignor.)
- Maxwell, William H., assignor to O. A. Earl, Kalamazoo, Mich. Tablet armchair. 1,757,322; May 6.
- Maxwell, William R., Brooklyn, N. Y., assignor to R. M. Edgar. Ball puzzle device. 1,765,019; June 17.

- Maxwell, William and F. W. De Tour, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for making soles. 1,761,020; June 3.
- Maxwell, Willis A., Sontag, Miss. Cultivator and harrow. 1,774,388; Aug. 26.
- May, Adam J., assignor, by mesne assignments, to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Electric-circuit-control means. 1,748,298; Feb. 25.
- May, Adam J., assignor, by mesne assignments, to The Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Electric-circuit-control means. 1,760,763; May 27.
- May, Adam J., assignor, by mesne assignments, to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Electric-circuit-control means. 1,763,245; June 10.
- May, Albert J., Houston, Tex. Paintbrush. 1,767,540; June 24.
- May & Baker Limited. (See Newbery, George, assignor.)
- May, Caleb J., assignor of one-fourth each to C. B. May, I. D. May, and J. W. Hutton, Bellingham, Wash. Fuel-oil burner. 1,748,611; Feb. 25.
- May, Charles B., et al. (See May, Caleb J., assignor.)
- May, Charles E., Baltimore, Md. Bottle. Des. 80,282; Jan. 7.
- May, Edward C., Campgaw, N. J. Closure fastener. 1,748,491; Feb. 25.
- May, George P. (See Thomason, J. J., Washington, and May.)
- May, Henry A., San Diego, Calif. Desk-basket lifter. 1,756,870; Apr. 29.
- May, Ivan D., et al. (See May, Caleb J., assignor.)
- May, James A., Nashville, N. C. Floor oiler. 1,770,795; July 15.
- May, Janet, assignor to Carlin Comforts, Inc., New York, N. Y. Comforter. Des. 81,101; May 6.
- May, Janet, assignor to Carlin Comforts, Inc., New York, N. Y. Comforter. Des. 81,102; May 6.
- May, Joseph, Frankfort-on-the-Main, Germany. Apparatus for observing the sole surface of a foot. 1,743,469; Jan. 14.
- May Manufacturing Co. (See Glintenkamp, William P., assignor.)
- May, Otto, Newark, N. J. Friction spindle press and maximum utilization thereof. 1,774,148; Aug. 26.
- May, Orville E. (See Herrick, H. R., May, and Titus.)
- May, Robert C. (See Reed, W. P., and May.)
- May Seed & Nursery Co. (See Young, Floyd S., assignor.)
- Maybach, Karl, assignor to Maybach-Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Transmission gear. Re17,707; June 24.
- Maybach, Karl, assignor to the Firm Maybach Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Device for actuating the brakes of motor vehicles. 1,743,367; Jan. 14.
- Maybach, Karl, assignor to Maybach-Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Carburetor. 1,743,368; Jan. 14.
- Maybach-Motorenbau Gesellschaft mit beschränkter Haftung. (See Maybach, Karl, assignor.)
- Mayberry, Mary E., Burlingame, and E. A. Hill, San Francisco, Calif. Rhythmic chart for child orchestration. 1,782,046; Nov. 18.
- Mayberry, Vernon S., et al. (See Dunning, James A., assignor.)
- Maydell, Eveline, Wilton, Conn. Chair. Des. 82,224; Oct. 7.
- Mayer, Adolphus, Washington, D. C. Centrifugal switch. 1,747,310; Feb. 18.
- Mayer, Alvin L., Long Island City, N. Y. Photographic-printing apparatus. 1,744,323; Jan. 21.
- Mayer, August, assignor to Adaircraft, Inc., New York, N. Y. Display device. 1,786,253; Dec. 23.
- Mayer, Benjamin, New York, N. Y. Theftproof pocket. 1,756,467; Apr. 29.
- Mayer, Bertram, and H. Siebenbürger, assignors to the firm: Society of Chemical Industry in Basle, Basel, Switzerland. Vat dyestuffs and making same. 1,771,802; July 29.
- Mayer, Bruce A., Springfield, Ohio. Incubator. 1,774,028; Aug. 26.
- Mayer, Bruce A., Springfield, Ohio. Incubator. 1,774,029; Aug. 26.
- Mayer, Charles A., Boston, Mass. Envelope opener. 1,753,710; Apr. 8.
- Mayer, Charles V., Astoria, N. Y. Door mounting for slidable doors. 1,776,163; Sept. 16.
- Mayer, Charles W., and E. F. Siller, Rochester, N. Y. Recording device. 1,765,988; June 24.
- Mayer, Charles W., and E. F. Siller, Rochester, N. Y. Recording paper. 1,783,442; Dec. 2.
- Mayer China Company. (See Mayer, Walter S., assignor.)
- Mayer, Daniel J., Belleville, assignor to Metal Textile Corporation, Orange, N. J. Scouring device. 1,758,452; May 13.
- Mayer, Daniel J., Belleville, assignor to Metal Textile Corporation, West Orange, N. J. Scouring implement. 1,762,182; June 10.
- Mayer, Fred W., Chicago, Ill. Torque-controlled gear-changing mechanism. 1,781,761; Nov. 18.
- Mayer, Frederick H., Los Angeles, Calif. Suspension disconnecting switch and mounting therefor. 1,755,328; Apr. 22.
- Mayer, Fritz, Frankfort-on-the-Main, K. Billig, Höchst-on-the-Main, K. Horst, Hofheim-on-the-Taunus, and K. Schirmacher, Höchst-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cyclic ketones of the aromatic series and making same. 1,754,031; Apr. 8.
- Mayer, Fritz, and K. Zahn, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphur-containing hydroxyquinones and preparing them. 1,765,687; June 24.
- Mayer, Gustav R., Buffalo, N. Y. Plate supporter. 1,759,165; May 20.
- Mayer, Hans. (See Straub, F., Mayer, and Schneider.)
- Mayer, Henry K. (See McSpadden, Walker B., assignor.)
- Mayer, Herman, Philadelphia, Pa. Reflector. 1,754,960; Apr. 15.
- Mayer, Josef, Karlsbad, Czechoslovakia, assignor to The Philad Company, Cleveland, Ohio. Permanent-hair-waving appliance. Re17,585; Feb. 11.
- Mayer, Joseph and K., Cleveland, Ohio. Park stove. 1,778,330; Oct. 14.
- Mayer, Karl. (See Mayer, Joseph and K.)
- Mayer, Philip, San Diego, Calif. Slow-speed alternating-current motor mechanism. 1,750,237; Mar. 11.
- Mayer, Robert S. (See Diether, Carl F., assignor.)
- Mayer, Waldemar F., Rutherford, N. J., assignor to The Alba Corporation, St. Albans, Vt. Adjustable sheet folder. 1,766,789; June 24.
- Mayer, Waldemar F., Rutherford, N. J., assignor to The Alba Corporation, St. Albans, Vt. Sheet folder. 1,766,790; June 24.
- Mayer, Waldemar F., Rutherford, N. J., assignor to The Alba Corporation, St. Albans, Vt. By-pass sheet folder. 1,766,791; June 24.
- Mayer, Waldemar F., Rutherford, N. J., assignor to The Alba Corporation, St. Albans, Vt. Folding machine. 1,766,792; June 24.
- Mayer, Waldemar F., Rutherford, N. J., assignor to The Alba Corporation, St. Albans, Vt. Folding sheets. 1,766,793; June 24.
- Mayer, Walter M., Glencoe, Ill. Coupling. 1,747,783; Feb. 18.
- Mayer, Walter S., assignor to Mayer China Company, New Brighton, Pa. Supporting device for pottery. 1,775,535; Sept. 9.
- Mayer, William. (See Halpern, M., and Mayer.)
- Mayer, William G., Pittsburgh, Pa. Vehicle top structure. 1,749,884; Mar. 11.
- Mayer, William H., jr., New York, N. Y. Textile fabric. Des. 82,101; Sept. 23.
- Mayer, William J., Philadelphia, Pa., assignor, by mesne assignments, to American Car and Foundry Company, New York, N. Y. Car seat. 1,760,653; May 27.
- Mayers, Colin, New York, N. Y. Submersible vessel. 1,771,093; July 22.
- Mayer's Movable Merchandiser. (See Voss, Hugo H., assignor.)
- Mayers, Wilbur S., Fairmont, W. Va., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Apparatus for handling glassware. 1,755,404; Apr. 22.
- Mayes, Edd T., et al. (See Walker, Jerry S., assignor.)
- Mayes, Walter A., assignor to Martin-Parry Corporation, York, Pa. Sealing strip for bottom of vehicle bodies. 1,750,416; Mar. 11.
- Mayes, Walter A., assignor to Martin-Parry Corporation, York, Pa. Latch. 1,775,470; Sept. 9.
- Mayer, Jules, sr., assignor of one-half to C. H. Gilbert, Richmond, Va. Glass conveyer. 1,770,039; July 8.
- Mayfield, Thomas H., Roby, Tex. Grain shoe. 1,764,218; June 17.
- Mayforth, John H., Queens Village, N. Y. Ignition booster. 1,773,920; Aug. 26.
- Mayhall, John M., and H. C. Morrison, Milwaukee, Wis. Liquid-testing device. 1,780,597; Nov. 4.
- Mayhall, John M., and H. C. Morrison, Milwaukee, Wis. Liquid-measuring device. 1,780,598; Nov. 4.
- Mayhew, Joseph R., assignor to Mueller Co., Decatur, Ill. Lavatory. Des. 80,903; Apr. 8.
- Mayhew, Joseph R., assignor to Mueller Co., Decatur, Ill. Lavatory. Des. 81,170; Sept. 30.
- Mayle, George F. A. (See Sevelin, Joseph P., assignor.)
- Mayled, Herbert, assignor to The R. E. Chapin Mfg Works, Batavia, N. Y. Metal receptacle. 1,758,615; May 13.
- Mayman, Edwin, San Diego, Calif. Automatic control for airplane flotation apparatus. 1,781,291; Nov. 11.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Fluid abradant supplying means. Re17,576; Jan. 28.
- Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Stapling machine. 1,780,530; Nov. 4.
- Maynard, Blanchard B., and F. L. De Sanno, Oakland, assignors, by mesne assignments, to Rheem Manufacturing Company, Emeryville, Calif. Liquid dispenser. 1,765,844; June 24.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building apparatus. 1,748,299; Feb. 25.
- Maynard Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Marking device. 1,748,300; Feb. 25.

- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire trimmer. 1,757,127; May 6.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Mandrel-cementing apparatus. 1,757,128; May 6.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Method and apparatus for applying tire treads. 1,760,879; June 3.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Method of and mold for splicing rubber tubes. 1,762,831; June 10.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Valve-pad press. 1,762,832; June 10.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Guide for pneumatic-tire treads. 1,762,833; June 10.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Device for laminating rubberized material. 1,763,801; June 17.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tube-splicing press. 1,786,440; Dec. 30.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Press for tread splices. 1,786,499; Dec. 30.
- Maynard, Frederick E., Los Angeles, Calif. One-piece rat guard. 1,744,834; Jan. 28.
- Maynard, George S., Newtonville, Mass., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Stud for snap fasteners. 1,767,805; June 24.
- Maynard, Howard E., assignor to Chrysler Corporation, Detroit, Mich. Brake shoe. 1,764,847; June 17.
- Maynard, Joseph A., Boston, Mass. Pressure, temperature, and vacuum safety relief valve. 1,756,652; Apr. 29.
- Maynard, Joseph A., Boston, Mass. Relief valve for hot-water systems. 1,774,805; Sept. 2.
- Mayne, Robert, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Motion-indicating device. 1,745,500; Feb. 4.
- Mayne, Robert, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing apparatus. 1,751,869; Mar. 25.
- Mayne, Robert, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Motor-control system. 1,774,284; Aug. 26.
- Maynes, Emma C. (See Maynes, Hyla F., assignor.)
- Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Amusement ride. 1,756,832; Apr. 29.
- Mayo, Charles G. (See Wellings, J. G., and Mayo.)
- Mayo, Edward L. (See Levy, Edward J.)
- Mayo, Fred E., assignor of one-half to G. R. Platt and R. F. Platt, Borger, Tex. Movable sign. 1,743,928; Jan. 14.
- Mayo, John, Fairmont, W. Va., assignor to Thermal Engineering Corporation, Long Island City, N. Y. Leer. 1,759,624; May 20.
- Mayo, John, Fairmont, W. Va., assignor to Thermal Engineering Corporation, Long Island City, N. Y. Leer. 1,762,340; June 10.
- Mayo, Leland R., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Machine for relieving spiral cutters. 1,744,783; Jan. 28.
- Mavr, Karl, Chicago, Ill., assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany. Apparatus for generating steam. 1,774,654; Sept. 2.
- Mavr, Karl A., New York, N. Y., assignor to Siemens-Schuckertwerke Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Pulverized-fuel feeding and measuring device. 1,171,497; July 29.
- Mavr, Karl A., New York, N. Y., assignor to Siemens-Schuckertwerke Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Combustion apparatus. 1,777,411; Oct. 7.
- Mays, Charles P., El Dorado, Ark. Oil-well apparatus. 1,758,453; May 13.
- Maytag, Frederick L., jr., Newton, Iowa. Signaling device for kinetographs or the like. 1,760,911; June 3.
- Mazade, Louis, San Diego, Calif. Sanitary hair drier. 1,761,269; June 3.
- Mazak, Andrew, Prince George, Va. Fertilizer distributor. 1,751,346; Mar. 18.
- Mazer, Alfred M., Jeannette, Pa. Glass-cutting apparatus. 1,764,966; June 17.
- Mazizian, Garabed, Bridgeport, Conn. Mechanical toy. 1,763,804; June 17.
- Mazza, Adolfo, Genoa, Italy, assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Method and apparatus for making seamless pipes. 1,786,215; Dec. 23.
- McAdams, Edward. (See Arndt, William F., assignor.)
- McAdams, Harry, Philadelphia, Pa. Knitted fabric and machine for knitting the same. 1,777,699; Oct. 7.
- McAdams, Harry, Philadelphia, Pa. Yarn-sinking apparatus for knitting machines. 1,787,010; Dec. 30.
- McAdams, Shasta E., H. P. Skaggs, and J. T. Singhurst, Erie, Kans. Electric-light socket. 1,780,832; Nov. 4.
- McAdams, Thomas B., et al. (See Mitchell, Courtney N., assignor.)
- McAfee, Almer McD. and B. H. Barnes, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa. Petroleum distillation. 1,774,559; Sept. 2.
- McAllister, John W. (See Nicholson, J. P., and McAllister.)
- McAllister, Raymond C. (See Buckley, E. L., and McAllister.)
- McAllister, Raymond C., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor unloader. 1,750,276; Mar. 11.
- McAlpine, George R., Oklahoma City, Okla. Drag for recovering dead bodies and the like. 1,753,468; Apr. 8.
- McAlpine, John E. (See Welch, J. T., and McAlpine.)
- McAndrew, Andrew, assignor of one-half to W. J. Hynes, North Little Rock, Ark. Grinding fixture. 1,770,318; July 8.
- McArdle, Michael W., Chicago, Ill. Health exerciser. Des. 80,384; Jan. 21.
- McArdle, Michael W., Chicago, Ill. Health exerciser. Des. 80,386; Jan. 21.
- McArdle, Michael W., Chicago, Ill. Arc health lamp. Des. 80,801; Mar. 25.
- McArdle, Michael W., Chicago, Ill. Heel rest for electric iron. Des. 81,296; June 3.
- McArdle, Michael W., Chicago, Ill. Sole plate for laundry irons. 1,749,596; Mar. 4.
- McArdle, Michael W., Chicago, Ill. Sole plate for laundry irons. 1,749,597; Mar. 4.
- McArdle, Michael W., Chicago, Ill., and J. H. Donnellon, Evanston, Wyo. Hair clipper. 1,753,750; Apr. 8.
- McArthur, Arthur R., Gary, Ind., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Hot-mill catcher. 1,746,488; Feb. 11.
- McArthur, Arthur R., Gary, Ind., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Sheet-making apparatus. 1,750,534; Mar. 11.
- McArthur, Arthur R., Gary, Ind., assignor to American Sheet and Tin Plate Company. Furnace-charging conveyer. 1,756,653; Apr. 29.
- McArthur, Arthur R., Gary, Ind., and H. G. McIlvried, McCandless Township, assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Heating furnace. 1,760,762; May 27.
- McArthur, Arthur R., Gary, Ind., assignor to American Sheet and Tin Plate Company. Pack opener. 1,766,299; June 24.
- McArthur, Arthur R., Gary, Ind., assignor to American Sheet and Tin Plate Company. Hot-rolling-mill layout. 1,776,635; Sept. 23.
- McArthur, Arthur R., deceased, Gary, Ind., M. L. McArthur, executrix. 1,782,362; Nov. 18.
- McArthur, Arthur R., deceased, Gary, Ind.; M. L. McArthur, executrix, assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Conveyer. 1,778,267; Oct. 14.
- McArthur, Charles J., Glen Ridge, N. J. Combined memorandum device and memory tickler. 1,762,728; June 10.
- McArthur, Clarence M., Detroit, Mich. Toothbrush. 1,783,151; Nov. 25.
- McArthur, John O., Casper, Wyo. Crosshead. 1,786,121; Dec. 23.
- McArthur, Mattie L., executrix. (See McArthur, Arthur R.)
- McArthur, Warren, jr., Phoenix, Ariz. Chair. Des. 82,338; Oct. 21.
- McArthur, Vernie V., Grant, Nebr. Adjustable distributor. 1,777,930; Oct. 7.
- McAssey, Rollin O., San Diego, Calif. Gas engine. 1,745,682; Feb. 4.
- McAuliffe, John E. (See Palmer, F., and McAuliffe.)
- McAuliffe, John E., assignor to Triangle Conduit Company, Brooklyn, N. Y. Armored conductor. 1,782,787; Nov. 25.
- McAuliffe, Joseph. (See Cottrell, W. F., and McAuliffe.)
- McAuliffe, Sydney J., Sydney, New South Wales, Australia, assignor, by mesne assignments, to Fuller Lehigh Company, Producing water gas. 1,780,759; Nov. 4.
- McAvoy, Daniel E., Long Island City, N. Y. Stairway guard. 1,785,487; Dec. 16.
- McAvoy, Francis J., Newark, N. J., assignor of one-half to himself and one-half to F. J. Kent, New York, N. Y. Train-controlling apparatus. 1,771,718; July 29.
- McBane, Walter W., Pittsburgh, and C. J. Klein, Bellevue, assignors to United Engineering and Foundry Company, Pittsburgh, Pa. Screw down. 1,776,444; Sept. 23.
- McBee Binder Co., The. (See McBee, Harry B., assignor.)
- McBee Binder Co., The. (See Welk, Nelson S., assignor.)
- McBee, Harry B., St. Louis, Mo., assignor to The McBee Binder Co., Athens, Ohio. Loose-leaf binder. 1,744,912; Jan. 28.
- McBerty, Ford H., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Restoring the quality of used gasoline. 1,745,108; Jan. 28.
- McBrearty, John. (See Wofford, W. C., McBrearty, and Soderland.)
- McBride, Bert, Ada, Ohio. Shock binder. 1,775,940; Sept. 16.
- McBride, Fred J., Toronto, Ontario, Canada. Toy airship. 1,765,435; June 24.
- McBride, Henry F., Silao, Mexico. Alternating-current-circuit breaker. 1,767,855; June 24.
- McBride, James A., assignor to Thomas McBride Glass Works, Inc., Salem, W. Va. Drawer pull. Des. 82,949; Dec. 30.
- McBride, James P., assignor to Munke Jack Corporation, New York, N. Y. Pump. 1,748,782; Feb. 25.
- McBride, James P., assignor to Munke Jack Corporation, New York, N. Y. Hydraulic jack. 1,763,404; June 10.

- McBride, John A., Elko, Nev. Electric tea urn or percolator. 1,762,303; June 10.
- McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Container for liquids or gases under pressure and making the same. 1,748,138; Feb. 25.
- McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Valve assembly. 1,784,460; Dec. 9.
- McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Securing means for internal-combustion engines. 1,784,461; Dec. 9.
- McBride, Thomas, Glass Works, Inc. (See McBride, James A., assignor.)
- McBride, Willard M., Pittsburgh, Pa. Reamer. 1,780,246; Nov. 4.
- McBride, William H., Coatbridge, Scotland. Expanding friction clutch for motor cars. 1,767,387; June 24.
- McBride, Vivian R., and H. R. Ward, Melbourne, assignors of one-fourth to F. A. Chartres, and one-fourth to S. L. Chartres, Melbourne, Victoria, Australia. Diving dress. 1,760,512; May 27.
- McBride, Arthur C., et al. (See Remondino, Charles H. E., assignor.)
- McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Assembling composite hopper cars. 1,748,139; Feb. 25.
- McBurney, Charles C., Marysville, Kans. Wall-paper-hanging apparatus. 1,745,802; Feb. 4.
- McCabe, Horace B., assignor to Gisholt Machine Company, Madison, Wis. Apparatus for bringing an unbalanced rotative body into a state of balance. 1,774,718; Sept. 2.
- McCabe, Ira E., Chicago, Ill. Liquid-fuel-burner control. 1,745,178; Jan. 28.
- McCabe, Ira E., Chicago, Ill. Electrical connection. 1,752,957; Apr. 1.
- McCabe, Ira E., Chicago, Ill. Mercury-tube switch. 1,757,436; May 6.
- McCabe, Ira E., Chicago, Ill. Mercury-tube switch. 1,757,970; May 13.
- McCabe, Ira E., Chicago, Ill. Thermostatically-actuated electric switch. 1,762,183; June 10.
- McCabe, Ira E., Chicago, Ill. Electric switch. 1,777,887; Oct. 7.
- McCabe, Ira E., Chicago, Ill. Delayed-action mercury-tube switch. 1,786,018; Dec. 23.
- McCabe, Nora P., et al. (See Harvey, Ivan L., assignor.)
- McCabe, William F. (See Ament, George E., assignor.)
- McCabe, William T., Los Angeles, Calif. Internal-combustion engine. 1,743,558; Jan. 14.
- McCabe, William T., Los Angeles, Calif. Vacuum pump. 1,748,488; Feb. 25.
- McCaffrey, Thomas J., Seattle, Wash. Cleaning implement. 1,751,415; Mar. 18.
- McCaig, William J., and L. E. Padelford, assignors to Republic Metalware Company, Buffalo, N. Y. Toasting machine. 1,773,109; Aug. 19.
- McCain, Cecil C. (See Hubbard, H. E., and McCain.)
- McCain, Cecil C., Glen Ellyn, assignor to Addressograph Company, Chicago, Ill. Work support for addressing and other machines. 1,768,917; July 1.
- McCain, John L., Atwood, Kans. Multiple-valve dispenser. 1,768,129; June 24.
- McCain, Wes W., Oak Park, assignor to Blue Valley Creamery Company, Chicago, Ill. Perforating device. 1,781,819; Nov. 18.
- McCaleb, Albert G. (See Allen, Hugh E., assignor.)
- McCall, George, Woodside, and Josiah E. Reid, New York, assignors to International Motor Company, New York, N. Y. Container bozie. 1,774,181; Aug. 26.
- McCall, Lottie L., Biloxi, Miss. Doll. Des. 82,843; Dec. 16.
- McCallen, Perry S. (See Sanford, H. W., and McCallen.)
- McCandless, David C., Boise, Idaho. Photographic-print washer. 1,746,667; Feb. 11.
- McCandless, Joshua L., Hennessey, Okla. High-water signaling apparatus. 1,754,393; Apr. 15.
- McCandless, Edgar S., Topeka, Kans. Scraper. 1,775,206; Sept. 9.
- McCann, Edward, New York, N. Y. Telephone appliance. 1,757,463; May 6.
- McCann, Francis J., Edmonton, Alberta, Canada, assignor to Heart-Stoker Company Limited. Shock-forming machine. 1,770,416; July 15.
- McCann, Francis J., Edmonton, Alberta, Canada, assignor to Heart-Stoker Company Limited. Shock-forming machine. 1,770,417; July 15.
- McCann, George M. (See Barnes, G. M., and McCann.)
- McCann, George M. (See Wells, G. M., and McCann.)
- McCann, George M., New Castle, Del. Firing mechanism. 1,750,722; Mar. 18.
- McCann, George M., New Castle, Del. Breech structure of guns. 1,757,257; May 6.
- McCann, John H. (See Chandler, E. A., and McCann.)
- McCann, John H., Chicago, Ill. Protective cover for plumbing fixtures. 1,785,872; Dec. 23.
- McCann, Paul S., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuously-loaded conductor. 1,756,371; Apr. 29.
- McCann, Paul S., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing magnetic materials. 1,765,436; June 24.
- McCann, Ronald A. (See Blosser, H. G., and McCann.)
- McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,744,832; Jan. 28.
- McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,749,082; Mar. 4.
- McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,755,357; Apr. 22.
- McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway-crossing signal. 1,773,194; Aug. 19.
- McCann, Thomas G., Carrick, Pa., assignor, by mesne assignments, to The Fulton Syphon Company, Knoxville, Tenn. Combined temperature and pressure control. 1,746,666; Feb. 11.
- McCargar, Joseph R., Grand Rapids, Mich. Desk. Des. 82,534; Nov. 11.
- McCarrell, William A., assignor to Gear Grinding Machine Company, Detroit, Mich. Transmission gearing. 1,774,806; Sept. 2.
- McCarroll, Charles, Helena, Ala. Aero propeller. 1,780,431; Nov. 4.
- McCarroll, Walker W., New Haven, Conn. Machine for rectifying electrotypes. 1,745,550; Feb. 4.
- McCarroll, Walker W., New Haven, Conn. Planing machine. 1,775,963; Sept. 16.
- McCarroll, Lewis H., Sierra Madre, assignor to Electric Sign Flasher Corporation, Los Angeles, Calif. Flash signaling device. 1,769,704; July 1.
- McCarter, Frederick W., Brookline, assignor to W. H. Bagshaw Co., Lowell, Mass. Stylus. 1,768,704; July 1.
- McCarthy, Bernard J., Jamaica Plain, Mass. Bending apparatus. 1,754,635; Apr. 15.
- McCarthy, Charles M., Minneapolis, Minn. Measuring device for wire cloth. 1,759,992; May 27.
- McCarthy, Charles S., assignor to The American Swiss Company, Toledo, Ohio. Locking mechanism for latches. 1,758,122; May 13.
- McCarthy, Daniel J., Elgin, assignor to Chicago Railway Signal & Supply Company, Carpentersville, Ill. Mount for focus finders in signal lamps. 1,756,948; May 6.
- McCarthy, Edward F., assignor to Chicago Pump Company, Chicago, Ill. Fluid-displacement pump. 1,767,541; June 24.
- McCarthy, Edward F., assignor to Chicago Pump Company, Chicago, Ill. Pneumatic water-supply system. 1,767,542; June 24.
- McCarthy, Francis J., Portland, assignor of one-half to H. F. Wagner, Multnomah County, Oreg. Floor cleaning, waxing, and polishing device. 1,762,637; June 10.
- McCarthy, George L., Rye, and A. Novick, Flushing, N. Y.; said Novick assignor to said McCarthy. Photographing apparatus. 1,748,489; Feb. 25.
- McCarthy, George M. (See Vachon, L. G., McCarthy, and Ewing.)
- McCarthy, George W., Naugatuck, Conn. Electric attachment plug. 1,772,261; Aug. 5.
- McCarthy, James H., et al. (See Landers, James E., assignor.)
- McCarthy, John A., St. Joseph, Mo., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Shingle. Re17,836; Oct. 21.
- McCarthy, John J., Bridgeport, Conn. Antenna. 1,747,983; Feb. 18.
- McCarthy, Joseph A., Richmond Hill, N. Y. Flue cap. Des. 80,802; Mar. 25.
- McCarthy, Joseph A., Jamaica, N. Y. Flue cap. Des. 81,936; Sept. 2.
- McCarthy, Robert F., Webster Groves, assignor to International Shoe Company, St. Louis, Mo. Shoe. 1,749,084; Mar. 4.
- McCarthy, William, jr. (See Maxwell, G. C., and McCarthy.)
- McCarthy, William T., Brooklyn, N. Y. Operating cameras from a distance. 1,743,787; Jan. 14.
- McCarthy, William T., Brooklyn, N. Y. Film fastener for reels. 1,761,837; June 3.
- McCartney, Leor C., and E. Croyle, Altoona, Pa. Aircraft. 1,769,356; July 1.
- McCartney, Will C., Cambridge, Ohio. Candy dish or similar article. Des. 80,847; Apr. 1.
- McCartney, Will C., Cambridge, Ohio. Glass bowl or similar article. Des. 80,848; Apr. 1.
- McCartney, Will C., Cambridge, Ohio. Tray or similar article. Des. 81,309; June 3.
- McCartney, Will C., Cambridge, Ohio. Sandwich tray or similar article. Des. 81,989; Sept. 9.
- McCarthy, Eugene T., Chicago, Ill. Ceiling hanger. 1,745,858; Feb. 4.
- McCarthy, Edmond J., Chicago, Ill. Car rerailer. 1,784,741; Dec. 9.
- McCarthy, Michael R., assignor of one-half to T. W. Walsh, St. Louis, Mo. Window. 1,744,980; Jan. 28.
- McCarthy, Robert B., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Lute. 1,782,932; Nov. 25.
- McCarthy, Roy I., Barree, Pa. Brick machine. 1,751,870; Mar. 25.
- McCarvey, Julius E., Atlanta, Ga., assignor to Draper Corporation, Hopedale, Mass. Warp stop mechanism for looms. 1,742,776; Jan. 7.
- McCaskell, Jasper A., Salt Lake City, Utah. Filter and controlling the pulp level therein. 1,761,401; June 3.

- McCaskell, Jasper A., Salt Lake City, Utah. Cake-discharging means for pressure filters. 1,784,372; Dec. 9.
- McCaskill, Grover C., Hutchinson, Kans. Seven-tool combination. 1,770,418; July 15.
- McCaskey Register Company, The. (See Dunning, W. E., and Bachofen, assignors.)
- McCaskey Register Company, The. (See Dunning, William E., assignor.)
- McCaslin, Clifford H., Oakland, Calif. Folding table. 1,782,623; Nov. 25.
- McCassey, George L., and R. H. Cox, assignors to Acclimated Fur Farm, San Diego, Calif. Acclimatizing fur-bearing animals. 1,767,150; June 24.
- McCaul, Verne J., New Orleans, La. Key-holding device. 1,777,929; Oct. 7.
- McCauley, Ernest G., Dayton, Ohio. Rudder-bar adjustable foot rest for aircraft. 1,745,501; Feb. 4.
- McCauley, Ernest G., Dayton, Ohio, assignor to The Hamilton Standard Propeller Corporation. Airplane propeller. 1,760,876; June 3.
- McCauley, Ernest G., Dayton, Ohio, assignor to The Hamilton Standard Propeller Corporation. Propeller. 1,769,801; July 1.
- McCauley, John S., Baltimore, Md. Rotary brush. 1,743,898; Jan. 14.
- McCaw, Guy E., Walla Walla, Wash. Operating means for closures. 1,742,713; Jan. 7.
- McChesney, Cuyler S., Kenmore, and H. H. Clark, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for extruding tubes. 1,744,130; Jan. 21.
- McChesney, Presley B., Bowling Green, Ky. Current motor. 1,767,995; June 24.
- McClain, Lee, Knoxville, Tenn. Plant-digging machine. 1,785,588; Dec. 16.
- McClaran, Maurice I., Cement, and W. E. Bates, Cyril, Okla. Portable centrifugal machine. 1,769,889; July 1.
- McClary, Archie W., Oakland, assignor to Welding Service Inc., San Francisco, Calif. Rail joint. 1,752,566; Apr. 1.
- McClatchie, John M., assignor to The Borden Company, New York, N. Y. Valve for homogenizing devices. 1,763,313; June 10.
- McClatchie, John M., assignor to The Borden Company, New York, N. Y. Machine for closing and sealing cans. 1,787,050; Dec. 30.
- McClay, Charles E. (See McClay, Margaret E. and C. E.)
- McClay, Margaret E. and C. E., Los Angeles, Calif. Visor. 1,763,899; June 17.
- McCleary Hydraulic Brake Company. (See Price, William G., assignor.)
- McCleave, Thomas J., San Diego, Calif. Advertising apparatus. 1,752,919; Apr. 1.
- McClees, John S., Baltimore, Md. Smoker's article. 1,781,553; Nov. 11.
- McClellan, Benjamin S.; K. B. McClellan, conservator, Chicago, Ill. Track liner. 1,756,372; Apr. 29.
- McClellan, Ernest S. (See McClellan, Harry V., assignor.)
- McClellan, Harry V., Seattle, Wash., assignor to E. S. McClellan, Crawfordsville, Ind. Insecticide. 1,758,734; May 13.
- McClellan, Harry S., assignor to Chrysler Corporation, Detroit, Mich. Stenciling. 1,782,541; Nov. 25.
- McClellan, James L., Kennett Square, Pa., assignor to National Vulcanized Fibre Company, Wilmington, Del. Purifying zinc chloride. 1,744,981; Jan. 28.
- McClellan, Kate B., conservator. (See McClellan, Benjamin S.)
- McClellan, Leslie N., P. A. Kinzie, J. L. Savage, and C. M. Day, Denver, Colo. Pressure-actuated control valve. 1,750,417; Mar. 11.
- McClelland Casket Hardware Company. (See Utter, Bror A., assignor.)
- McClelland, Ralph, H. K. Powell, and S. N. Leopold, assignors to Morris Paper Mills Company, Chicago, Ill. Display box. 1,780,760; Nov. 4.
- McClendon, B. B., et al. (See Barr, Harry D., assignor.)
- McClintock, James W., assignor to E-Z Reach Paper Cutter Corporation, Ltd., Los Angeles, Calif. Roll-paper cutter. 1,774,480; Aug. 26.
- McClintock, Norman, and T. M. Aiken, Pittsburgh, Pa.; said Aiken assignor to said McClintock. Focusing device for cameras. 1,742,661; Jan. 7.
- McClintock, O. B., Company. (See McClintock, O. B., and Lawrence, assignors.)
- McClintock, Oliver B., Minneapolis, Minn. Vault ventilator. 1,743,366; Jan. 14.
- McClintock, Oliver B., and E. G. Lawrence, assignors to O. B. McClintock Company, Minneapolis, Minn. After-hour depository. 1,759,129; May 20.
- McClintock, William, and F. Y. Pearne, assignors to Pacific Clay Products, Los Angeles, Calif. Hydraulic plastic-extruding machine with automatic cut-off. 1,777,100; Sept. 30.
- McCloskey, Gregory E., South Orange, N. J., assignor to The Barrett Company. Valve. 1,751,591; Mar. 25.
- McCloskey, Gregory E., South Orange, N. J., assignor to The Barrett Company, New York, N. Y. Electrical precipitator. 1,752,920; Apr. 1.
- McCloskey, Henry C., Wichita Falls, Tex. Convertible table and valise. 1,747,019; Feb. 11.
- McCloskey, Nellie, Philadelphia, Pa. Hedge trimmer. 1,762,401; Jan. 10.
- McCloud, Edward H., Columbus, Ohio. Automobile bumper. 1,766,342; June 24.
- McCloud, Edward H., Columbus, Ohio. Automobile bumper. 1,771,579; July 29.
- McCloud, Edward H., Columbus, Ohio. Automobile bumper. 1,771,580; July 29.
- McCloud, Edward H., Columbus, assignor to The Central Brass and Fixture Company, Springfield, Ohio. Bumper. 1,753,993; Apr. 8.
- McClure, Edward E., Portland, Oreg. Lubricating mechanism for edger saws. 1,766,663; June 24.
- McClure, Elmer P., Western Springs, assignor to Aluminum Products Company, La Grange, Ill. Coffeepot. 1,761,354; June 3.
- McClure, John H., Wheeling, W. Va. Amalgam shaker. 1,747,378; Feb. 18.
- McClure, Raymond A., Ottumwa, Iowa. Cap for cans, tubes, and the like. 1,762,873; June 10.
- McClure, Rodney N., Inglewood, Calif. Hinge. 1,759,237; May 20.
- McClure, Rodney N., Inglewood, Calif. Drapery rod. 1,785,838; Dec. 23.
- McClure, William L., Boston, Mass. Atraumatic rethreadable surgical needle. 1,757,129; May 6.
- McClurkin, John C., Lakin, Kans. Ditcher guide. 1,779,101; Oct. 21.
- McColl, Archibald I., Kalamazoo, Mich. Paper holder. 1,748,846; Feb. 25.
- McCollom, Alban B., San Francisco, Calif. Fruit pitter. 1,754,636; Apr. 15.
- McCollom, Edward, New York, N. Y. Daylight sign. 1,754,565; Apr. 15.
- McCollom, William R., Chicago, Ill., assignor to Standard Self-Lock Nut Company, Muskegon, Mich. Rail anchor. 1,747,874; Feb. 18.
- McCollum, Alfred F., assignor to The Magee Carpet Co., Bloomsburg, Pa. Mechanical means for severing or trimming the edges of carpets. 1,750,535; Mar. 11.
- McCollum, Alfred F., assignor to The Magee Carpet Co., Bloomsburg, Pa. Printed pile fabric. 1,771,341; July 22.
- McCollum, Elmer V., and O. S. Rask, Baltimore, Md. Solid form of lactic acid useful in baking powders and self-rising flours and mode of preparing same. 1,771,342; July 22.
- McCollum, George W., assignor to McCollum Hoist & Mfg. Co., Downers Grove, Ill. Rotor. 1,773,739; Aug. 26.
- McCollum, George W., assignor to McCollum Hoist & Mfg. Co., Downers Grove, Ill. Rotor. 1,777,320; Oct. 7.
- McCollum Hoist & Mfg. Co. (See McCollum, George W., assignor.)
- McCollum, Lawrence H., Healdsburg, Calif. Well-drilling rig. 1,774,939; Sept. 2.
- McCollum, Mary L., Gloucester, N. J. Sanitary pad for nursery chairs. 1,746,953; Feb. 11.
- McConathy, Osbourne. (See Day, Sarah R., assignor.)
- McConathy, Osbourne, Glen Ridge, N. J. Imitation keyboard. 1,745,225; Jan. 28.
- McConkey, Montgomery W., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,756,985; May 6.
- McConkey, Walter N., Lima, Ohio. Water softener and method of preparing. 1,753,661; Apr. 8.
- McConnell, Charles, New York, N. Y. Radio loud-speaker. 1,771,266; July 22.
- McConnell, Grant W., Dorset, Ohio. Roller attachment. 1,752,682; Apr. 1.
- McConnell, Harry E. (See Brownsberger, H. J., and McConnell.)
- McConnell, Henry K., Richmond, Va., assignor to Tobacco By Products & Chemical Corporation. Recovery of nicotine. 1,770,758; July 15.
- McConnell, Hugh, et al., trustees. (See McConnell, Thomas, assignor.)
- McConnell, John R. (See Black, J. C., and McConnell.)
- McConnell, Thomas, et al., trustees. (See McConnell, Thomas, assignor.)
- McConnell, John J., Shreveport, La., assignor to Louisiana Oil Refining Corporation, Richmond, Va. Lifting apparatus. 1,771,054; July 22.
- McConnell, John R., Anchorage, and A. S. Lewis, jr., assignors, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Apparatus for cleaning air-filter cells. 1,783,194; Dec. 2.
- McConnell, Joseph N., and W. Small, Vancouver, British Columbia, Canada. Oil-burning device for furnaces. 1,772,426; Aug. 5.
- McConnell, Lester A., Sarben, Nebr. Tool handle. 1,775,044; Sept. 2.
- McConnell, Thomas, assignor to F. C. Johnson, J. W. Lane, O. L. Johnson, T. McConnell, and H. McConnell, trustees, doing business as Hampton Company, East Hampton, Mass. Apparatus for bleaching. 1,766,716; June 24.
- McConoughey, Merle S., East Orange, N. J., assignor to Congoleum Nairn, Inc. Machine for the manufacture of inlaid linoleum. 1,763,315; June 10.
- McConoughey, Merle S., Llanerch, Pa., assignor to Congoleum Nairn, Inc. Method of and apparatus for sheeting linoleum or the like. 1,763,314; June 10.
- McConway & Torley Company. (See George, Enoch, jr., assignor.)
- McConway & Torley Company, The. (See Kelso, William, assignor.)
- McConway & Torley Company, The. (See McConway, W., jr., and Kelso, assignors.)

- McConway & Torley Company, The. (See Regan, William J., assignor.)
- McConway, William, jr., and W. Kelso, assignors to The McConway & Torley Company, Pittsburgh, Pa. Transition car coupling. 1,761,449; June 3.
- McCool, George C., assignor of one-half to P. H. Yorke, Washington, Pa. Drilling or fishing jar. 1,770,214; July 8.
- McCord, Alvin C., Chicago, Ill. Luggage unloader for railway cars. 1,755,785; Apr. 22.
- McCord, Claude M., Richmond Heights, Mo. Air pump. 1,744,405; Jan. 21.
- McCord, Claude M., Richmond Heights, Mo. Hand lathe. 1,767,151; June 24.
- McCord Radiator & Mfg. Co. (See Bailey, Claude B., assignor.)
- McCord Radiator & Mfg. Co. (See Gould, John H., assignor.)
- McCord Radiator & Mfg. Co. (See Owston, Charles W., assignor.)
- McCorkindale, Roger W. (See McCorkindale, William P., assignor.)
- McCorkindale, William P., assignor of one-half to R. W. McCormick, Holyoke, Mass. Holder device for collapsible tubes. 1,747,590; Feb. 18.
- McCorkindale, William P., assignor to Specialty Sales Company, Incorporated, Holyoke, Mass. Forming toilet-seat covers. 1,773,591; Aug. 19.
- McCorkindale, William P., South Hadley Falls, assignor to Specialty Sales Company, Incorporated, Holyoke, Mass. Napkin fixture. 1,785,039; Dec. 16.
- McCormack, Alfred D., Mankato, Minn. Screen for motor vehicles. 1,753,866; Apr. 8.
- McCormack, William E., Strand, London, England. Lantern body for cinematograph and other projection apparatus. 1,758,290; May 13.
- McCormick Brothers Company. (See McCormick, Ora N., assignor.)
- McCormick, Clarence H., Bradford, Pa. Reinforced lead-tipped gasket. 1,777,101; Sept. 30.
- McCormick, Daniel J. (See Enz, K. A., and McCormick.)
- McCormick, George B., Chicago, Ill. Printing-ink knife or the like. 1,746,005; Feb. 4.
- McCormick, Lawrence E., Seattle, Wash. Pneumatic gun for applying mortar. 1,755,329; Apr. 22.
- McCormick, George, San Francisco, Calif. Metal-tired railway wheel. 1,773,740; Aug. 26.
- McCormick, Thomas J., Detroit, Mich. Tire cover. 1,761,735; June 3.
- McCormick, Charles E., Detroit, Mich. Upholstered seat. 1,754,278; Apr. 15.
- McCormick, Francis H. (See Randolph, C. P., and McCormick.)
- McCormick, Hugh M., Huntington, Ind. Pipe for smoking tobacco. 1,780,682; Nov. 4.
- McCormick, John W., Tulsa, Okla. Garment drier. 1,755,013; Apr. 15.
- McCormick, Lewis M., Palo Alto, Calif. Suction lifting device. 1,747,523; Feb. 18.
- McCormick, Ora N., assignor to McCormick Brothers Company, Albany, Ind. Flour bin for kitchen cabinets. 1,783,127; Nov. 25.
- McCormick, Robert R., Chicago, Ill. Unit press with shiftable folding mechanism. 1,744,131; Jan. 21.
- McCormick, Robert R., Chicago, Ill. Printing press. 1,744,132; Jan. 21.
- McCormick, Thomas J., Detroit, Mich. Tire cover. 1,779,913; Oct. 28.
- McCormick, William B. (See Billups, James R., assignor.)
- McCorn, Lee S., assignor to Remington Typewriter Company, Ilion, N. Y. Computing machine. 1,753,711; Apr. 8.
- McCowan, David A., Toronto, Ontario, Canada. Photographic disk. 1,757,130; May 6.
- McCoy, Charles H., Los Angeles, Calif. Hair-waving apparatus. 1,779,819; Oct. 28.
- McCoy, Charles H., assignor of one-half to C. C. Bogardus, Los Angeles, Calif. Hair-waving apparatus. 1,778,268; Oct. 14.
- McCoy, Harry E., Pittsburgh, assignor to McDowell Manufacturing Company, Millvale, Pa. Mechanical exercising device. 1,786,165; Dec. 23.
- McCoy, James L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,765,494; June 24.
- McCoy, James L., and G. De Croce, Forest Hills, Pa., assignors to Westinghouse Electric and Manufacturing Company. Telephonometer. 1,765,598; June 24.
- McCoy, Margaret B., Duluth, Minn. Combination garment. 1,781,590; Nov. 11.
- McCoy, Philip W., assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Burner for natural gas. 1,750,616; Mar. 11.
- McCoy, Philip W., assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Gas burner. 1,753,613; Apr. 8.
- McCoy, Philip W., and J. A. Masury, assignors to The Surface Combustion Co., Incorporated, Toledo, Ohio. Heat-treating furnace. 1,770,081; July 8.
- McCoy, Robert R., Cumberland, Md., assignor to White and Haines Optical Co., Columbus, Ohio. Ophthalmic mounting. Des. 82,512; Nov. 11.
- McCoy, William C., assignor to The Cleveland Trust Company, Cleveland, Ohio. Rheostat. 1,744,481; Jan. 21.
- McCoy, William C., Shaker Heights, assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,757,131; May 6.
- McCoy, William C., assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,761,140; June 3.
- McCoy, William C., Shaker Heights, assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,761,141; June 3.
- McCoy, William C., Shaker Heights, assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,761,142; June 3.
- McCoy, William, Zanesville, Ohio, assignor to American Encaustic Tiling Company, Ltd., New York, N. Y. Tile setter. 1,778,561; Oct. 14.
- McCoy, William C., Akron, Ohio, assignor to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Electrical indicating instrument. 1,783,851; Dec. 2.
- McCracken, James A., Los Angeles, Calif. Hand foamite fire extinguisher. 1,781,292; Nov. 11.
- McCracken, James A., Los Angeles, Calif. Portable foam-producing apparatus. 1,781,293; Nov. 11.
- McCracken, James A., Los Angeles, Calif. Method of and apparatus for production of foam solutions. 1,781,294; Nov. 11.
- McCracken, James A., Los Angeles, Calif. Continuous production of fire foam. 1,781,295; Nov. 11.
- McCrea, George A., Flint, Mich. Trap chain ring. 1,771,443; July 29.
- McCrea, Hugh A., Schenectady, N. Y., assignor to General Electric Company. Automatic control arrangement. 1,777,175; Sept. 30.
- McCready, George L., Parksley, Va. Guide for vine cutters. 1,753,712; Apr. 8.
- McCready, James P., Berlin, N. H. Valve lifter. 1,785,040; Dec. 16.
- McCrery, Harold E., Apollo, assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa. Shipping drum and making the same. 1,770,163; July 8.
- McCrery, Harold E., and A. E. Jesser, Apollo, assignors to Copperweld Steel Company, Glassport, Pa. Apparatus for manufacturing bimetallic billets. Re1,717; June 24.
- McCrery, Harold E., and A. E. Jesser, Apollo, assignors to Copper Weld Company, Glassport, Pa. Apparatus for manufacturing bimetallic billets. 1,747,784; Feb. 18.
- McCrindle, John C. (See Kessler, F., Woodland, and McCrindle.)
- McCrosky, Donald W., Schenectady, N. Y. Humidifying device. 1,742,962; Jan. 7.
- McCrosky Tool Corporation. (See Manning, Howard H., assignor.)
- McCrosson, John T., Port au Prince, Haiti. Canning pineapple and product thereof. 1,782,761; Nov. 25.
- McCue, Felix F., assignor to Millers Falls Company, Millers Falls, Mass. Plane. 1,776,661; Sept. 23.
- McCuean, George A., Sharpsburg, Pa. Window construction. 1,761,892; June 3.
- McCuen, Charles L., Lansing, assignor to General Motors Corporation, Detroit, Mich. Air cleaner. 1,760,272; May 27.
- McCuen, Charles L., Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich. Crank-case ventilation. 1,761,929; June 3.
- McCuen, Charles L., Lansing, assignor to General Motors Corporation, Detroit, Mich. Oil pan. 1,761,930; June 3.
- McCulla, William R., assignor to Plus-Two Wheels, Inc., Sidney, Ohio. Wheeled attachment for motor trucks. 1,751,871; Mar. 25.
- McCulloch, Leon, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulating coating on aluminum or aluminum alloys. 1,751,213; Mar. 18.
- McCullough, Dulcie, New York, N. Y. Sanitary-napkin-supporting belt. 1,761,222; June 3.
- McCullough, Frederick S., Edgewood, Pa. Circuits for thermionic tubes. 1,759,910; May 27.
- McCullough, Frederick S., Edgewood, Pa. Manufacturing wire and porcelain elements. 1,761,577; June 3.
- McCullough, Frederick S., Edgewood, Pa. Coil and making the same. 1,777,571; Oct. 7.
- McCullough, Frederick S., Wilkinsburg, Pa., Vacuum-tube making. 1,787,082; Dec. 30.
- McCullough, Ida B. (See Rildorbeck, H. S., and McCullough.)
- McCullough, Ira J., and M. S. Black, Huntington Park, Calif. Perforating machine. 1,760,075; May 27.
- McCullough, John, San Francisco, Calif. Game apparatus. 1,778,952; Oct. 21.
- McCullough, John F. K., and B. W. Gilchrist, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Chromium plating. 1,781,789; Nov. 18.
- McCullough, Paul J., St. Louis, Mo. Valve. 1,767,086; June 24.
- McCullough, Paul J., assignor to Scullin Steel Company, St. Louis, Mo. Car support. 1,757,323; May 6.
- McCullough, Paul J., assignor to Scullin Steel Company, St. Louis, Mo. Car truck. 1,757,936; May 6.
- McCullough, Paul J., assignor to Scullin Steel Company, St. Louis, Mo. Shim-holding device for car trucks. 1,757,937; May 6.
- McCullough, Peter A., Pittsburgh, Pa. Cutting laminated glass. 1,752,567; Apr. 1.

- McCullough, Robert Y., Schenectady, N. Y. Control system. 1,783,048; Nov. 25.
- McCullough, Robert Y., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,86,310; Dec. 23.
- McCullough, Walter A., Alliance, Ohio. Attachable wall for platform station trucks. 1,786,077; Dec. 23.
- McCullough, William E., assignor to Simmons Company, Kenosha, Wis. Knob. 1,755,301; Apr. 22.
- McCullough, William E., assignor to The Simmons Company, Kenosha, Wis. Structural joint. 1,771,856; July 29.
- McCully, Ernest O., Kalispell, Mont. Animal trap. 1,747,380; Feb. 18.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door-control device. 1,742,407; Jan. 7.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load brake. 1,746,044; Feb. 4.
- McCune, Joseph C., Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Hamilton, Ontario, Canada. Signal-valve device. 1,758,711; May 13.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,765,378; June 24.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor unloader. 1,771,413; July 29.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,776,290; Sept. 23.
- McCune, Joseph C., Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door-interlocking device. 1,778,117; Oct. 14.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Foot valve device. 1,782,578; Nov. 25.
- McCune, Joseph C., Edgewood, and S. Johnson, jr., Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Vacuum-operated horn. 1,786,214; Dec. 23.
- McCurdy, Ralph G., Englewood, N. J., assignor to American Telephone and Telegraph Company. Electrical transmission system. 1,759,952; May 27.
- McCurdy, Ralph L. (See Lower, N. M., Chalker, and McCurdy.)
- McCurley, Charles, Halfway, assignor to Hudson Motor Car Company, Detroit, Mich. Sheet-metal-working tool. 1,764,457; June 17.
- McCurrah, James, & Brother. (See Kahre, William, assignor.)
- McDade, William, Selbyville, W. Va. Safety barrier for roadways. 1,759,794; May 20.
- McDaniel, Alonzo S., New York, N. Y., assignor to Cellulose Utilities Corporation. Production of cellulose ester compounds. 1,759,489; May 20.
- McDaniel, Betty, Dallas, Tex. Brassière. 1,749,294; Mar. 4.
- McDaniel, Hillery A., Mexia, Tex. Pipe joint. 1,745,683; Feb. 4.
- McDaniel, Howard. (See Cool, Paul L. and B. F., assignors.)
- McDaniel, James B., Macon, Ga. Watch-crystal-fitting device. 1,767,935; June 24.
- McDaniel, Lee, Pacolet Mills, assignor to Bahan Textile Machinery Company, Greenville, S. C. Battery patch. 1,766,759; June 24.
- McDaniel, Robert W., Memphis, Tenn. Hot-water heater and burner. 1,773,592; Aug. 19.
- McDaniel, Walter O., assignor to Fall Creek Manufacturing Company, Mooresville, Ind. Davenport-corner construction. 1,746,087; Feb. 4.
- McDavitt, Charles J., assignor to The Lehon Company, Chicago, Ill. Roof covering. 1,744,656; Jan. 21.
- McDermert, James H., East Cleveland, assignor to The Swartwout Company, Cleveland, Ohio. Ventilator. 1,770,178; July 8.
- McDermet, John R., Jeannette, assignor to Elliott Company, Pittsburgh, Pa. Method and apparatus for treating liquids. 1,742,998; Jan. 7.
- McDermet, John R., Jeannette, assignor to Elliott Company, Pittsburgh, Pa. Method and apparatus for treating liquids. 1,742,999; Jan. 7.
- McDermet, John R., Jeannette, assignor to Elliott Company, Pittsburgh, Pa. Desuperheating steam. 1,773,053; Aug. 12.
- McDermet, John R., assignor to Elliott Company, Jeannette, Pa. Method and apparatus for the treatment of steam. 1,773,054; Aug. 12.
- McDermid, John, Ennerdale, England. Antisiphonic liquid-seal trap. 1,781,683; Nov. 18.
- McDermott, Charles C., Chicago, Ill. Heater coil. 1,753,296; Apr. 8.
- McDermott, Frank A., Claymont, and F. J. Funk, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Resistant material. 1,779,258; Oct. 21.
- McDermott, George R., assignor to The Chapman-Stein Furnace Company, Mount Vernon, Ohio. Recuperative soaking pit. 1,777,125; Sept. 30.
- McDermott, Percival J. (See Cox, K., and McDermott.)
- McDevitt, Frank J., St. Louis, Mo. Acid-sludge burner. 1,780,653; Nov. 4.
- McDonald, Albert B., Vernon, Tex. Cotton-boll picker. 1,750,536; Mar. 11.
- McDonald, Alexander, Pittsburgh, and W. O. Smith, Wilksburg, assignors of thirty per cent to said Smith and seventy per cent to J. C. Young, Pittsburgh, Pa. Chimney ventilator. 1,764,219; June 17.
- McDonald, Charles D., Los Angeles, Calif. Multipole umbrella tent. 1,774,719; Sept. 2.
- McDonald, Donald, jr. (See Ray, C. T., and McDonald.)
- McDonald, Donald B., Quitman, Ga. Barrel-head-fastening means. 1,785,133; Dec. 16.
- McDonald Engineering Corporation. (See Brautigam, Otto G., assignor.)
- McDonald Engineering Corporation. (See Magnusson, J., and Fredsell, assignors.)
- McDonald, Frank W., Lawrence, Kans. Building. Des. 82,442; Nov. 4.
- McDonald, Gordon R. (See Bany, H., and McDonald.)
- McDonald, Gordon R. (See Barry, H., and McDonald.)
- McDonald, Gordon R., Schenectady, N. Y., assignor to General Electric Company. Automatic control equipment. 1,746,124; Feb. 4.
- McDonald, Gordon R., Erie, Pa., assignor to General Electric Company. Regulating system. 1,786,311; Dec. 23.
- McDonald, Guy A. (See Adler, H., and McDonald.)
- McDonald, Hugh R., Virginia, Minn. Rotor siphon for aerating liquid, etc. 1,779,181; Oct. 21.
- McDonald, James E., et al. (See Smith, Oliver, assignor.)
- McDonald, John C., New York, N. Y. Electrical control system. 1,753,383; Apr. 8.
- McDonald, John J., West View, Pa. Tire. Des. 82,441; Nov. 4.
- McDonald, John U., Indianapolis, Ind. Making producer gas. 1,771,133; July 22.
- McDonald, Leonard, Houston, Tex. Lettering machine. 1,784,152; Dec. 9.
- McDonald, Leslie R., Montreal, Quebec, Canada. Display apparatus. 1,750,642; Mar. 18.
- McDonald, Malcolm, Orenco, Oreg. Card index and file. 1,743,560; Jan. 14.
- McDonald, Malcolm, Orenco, Oreg. Card-index tray. 1,753,525; Apr. 8.
- McDonald, Marshall T. (See Zagarino, W. C., and McDonald.)
- McDonald, Martin, Washington, D. C. Doorknob attachment. 1,756,871; Apr. 29.
- McDonald, Somerled J., Gatineau, Quebec, Canada, assignor to International Fibre Board, Limited, Montreal, Quebec, Canada. Wall board. 1,779,045; Oct. 21.
- McDonald, William, assignor to Swift & Company, Chicago, Ill. Continuous screw press. 1,785,041; Dec. 16.
- McDonald, William L., Pensacola, Fla. Power steering mechanism. 1,787,319; Dec. 30.
- McDonald, Wm. P., Construction Company. (See Berger, Oscar H., assignor.)
- McDonagh, Charles. (See Hildebrandt, E. A., and McDonagh.)
- McDonnell, Joseph H., Kansas City, Mo. Sack-loading system. Re17,745; July 22.
- McDonnell, Anthony F., Dunmore, Pa. Safety guard for flatirons. 1,747,381; Feb. 18.
- McDonnell, Edward J., Pittsburgh, Pa., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Furnace construction. 1,769,446; July 1.
- McDonnell, Edward J., Pittsburgh, Pa., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Open-hearth-furnace construction. 1,769,447; July 1.
- McDonnell, Frank. (See Lebecque, M., and McDonnell.)
- McDonnell, Thomas A., Lakewood, Ohio. Apparatus for bending angle irons. 1,773,430; Aug. 19.
- McDonough, Frank J., assignor to Glaser, Crandell Co., Chicago, Ill. Food-product container. Des. 82,339; Oct. 21.
- McDonough, John, and L. Normann, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Flux. 1,744,784; Jan. 28.
- McDonough, Peter, Long Island City, N. Y. Electrical transformer. 1,742,608; Jan. 7.
- McDonough, William C. (See Quint, John J., assignor.)
- McDougal, Taine G. (See Randolph, D. W., and McDougal.)
- McDougall, Alexander M., Duluth, Minn. Freight vessel. 1,772,612; Aug. 12.
- McDougall, Alexander M., Duluth, Minn. Freight vessel. 1,773,368; Aug. 19.
- McDougall, Alexander M., Detroit, Mich. Vessel. 1,773,369; Aug. 19.
- McDougall, Andrew, Parel, Bombay, India. Casting reel for fishing rods. 1,785,488; Dec. 16.
- McDougall, George F., assignor of one-half to J. P. Winter, Portland, Oreg. Unraveling machine. 1,773,055; Aug. 12.
- McDow, Lester. (See Patterson, E., and McDow.)
- McDow, Lester, Stockton, assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Straw spreader. 1,770,707; July 15.
- McDowell, George, Brooklyn, N. Y. Turbine motor. 1,778,331; Oct. 14.
- McDowell Manufacturing Company. (See McCoy, Harry E., assignor.)
- McElbaney, Robert S., Barton, Ohio. Gap detector for railway switches. 1,756,601; Apr. 29.
- McElrath, William W., Roanoke, Va. Apparatus for chemical treatment of fibrous material. 1,751,165; Mar. 18.

- McElroy, Charles F., Brooklyn, N. Y. Telegraphic transmitter. 1,759,584; May 20.
- McElroy, Isaac E. (See Kunin, P., and McElroy.)
- McElroy, James H. (See Riley, R. S., and McElroy.)
- McElroy, John H., trustee. (See Brown, Reinhardt, H., assignor.)
- McElroy, John H. (See Keplinger, George B., assignor.)
- McElroy, John J., and E. L. Beecher, New Haven, Conn., assignors, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Cup washer. 1,767,936; June 24.
- McElroy, Joseph A., New York, N. Y. Alarm device. 1,745,859; Feb. 4.
- McElroy, Karl P. (See Franchot, R., and McElroy.)
- McElroy, Robert E., assignor to Reynolds Spring Company, Jackson, Mich. Connector element for spring structures. 1,764,967; June 17.
- McElroy, Roy H., and P. A. Meehan, assignors to Carol Engineering, Inc., Dayton, Ohio. Muller pan. Des. 82,513; Nov. 11.
- McElroy, William, Brooklyn, N. Y. Method of and apparatus for keeping spark plugs clean. 1,754,796; Apr. 15.
- McElroy, William A., San Francisco, Calif. Artificial hand. 1,742,269; Jan. 7.
- McElvain, Samuel M., Madison, Wis. Piperidine derivative and producing it. 1,784,903; Dec. 16.
- McElvaney, Charles T., jr., and E. P. Golding, Dallas, Tex. Locomotive whistle. 1,786,122; Dec. 23.
- McElwee, Hugh, sr., and J. F. McElwee, Philadelphia, Pa. Blocking tool. 1,770,621; July 15.
- McElwee, John F. (See McElwee, Hugh, sr., and J. F.)
- McEntee, Thomas T., Steelton, Pa. Open-hearth furnace. 1,775,367; Sept. 9.
- McEntire, Kenneth S., Kansas City, Mo. Regulator. 1,772,838; Aug. 12.
- McEvoy, Joseph J., and C. H. Upson, Waterbury, Conn. Paint and varnish remover. 1,785,417; Dec. 16.
- McEvoy Wireless Well Strainer Corporation. (See Trumble, M. J., and Woodward, assignors.)
- McEwan, Andrew J., Tulsa, Okla. Control or power lever mechanism. 1,780,713; Nov. 4.
- McEwen, Norman S., Nashville, Tenn., assignor, by mesne assignments, to Unity Cotton Mills, Lagrange, Ga. Container. 1,779,182; Oct. 21.
- McEwen, Samuel, assignor to Coal Oil Extractio Limited, Manufacturers, London, England. Apparatus for carbonizing or distilling materials. 1,749,641; Mar. 4.
- McFadden, Fay, Athol, Mass. Eye-examining instrument. 1,754,032; Apr. 8.
- McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Chandelier or analogous lighting fixture. Des. 80,445; Feb. 4.
- McFall, Robert J., Lynchburg, Va. Leather-measuring machine. 1,744,236; Jan. 21.
- McFall, Thurlow E., Sparta, Mich. Piston-ring casting. 1,749,147; Mar. 4.
- McFall, Thurlow E., Sparta, Mich. Piston-ring casting. 1,783,886; Dec. 2.
- McFall, Thurlow E., assignor to Sparta Foundry Company, Sparta, Mich. Molding machine. 1,761,736; June 3.
- McFalls, Fred M., and G. H. Brown, Fort Worth, Tex. Miniature interurban train. 1,758,123; May 13.
- McFarland, Ernest H., assignor of one-third to J. A. Hodges, Louisville, N. C., one-sixth to F. M. Hodges, Richmond, Va., and one-sixth to J. M. Hodges, Fayetteville, N. C. Air tester. 1,781,121; Nov. 11.
- McFarland, James C., Fort Thomas, assignor to The Wadsworth Watch Case Co., Dayton, Ky. Etching and decorating metal surfaces. 1,750,418; Mar. 11.
- McFarland, James C., Fort Thomas, assignor to The Wadsworth Watch Case Co., Dayton, Ky. Etching precious metals. 1,783,663; Dec. 2.
- McFarland, James S., Woolwich, Me., assignor of one-third to C. H. Butler, Washington, D. C. Propeller. 1,775,315; Sept. 9.
- McFarland, Robert E., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-working mechanism. 1,765,599; June 24.
- McFarland, Thomas R., Sawtelle, Calif. Power transmission. 1,786,356; Dec. 23.
- McFarland, Parley E., assignor to J. L. Wortham, Rockford, Ill. Automatic exhibitor. 1,784,607; Dec. 9.
- McFarland, William A., Bena, Minn. Combined tie plate and rail anchor. 1,767,937; June 24.
- McFarland, William H., Pittsburgh, Pa. Tire mounting and dismounting device. 1,742,315; Jan. 7.
- McFarlane, Maynard L. D. (See Bartholomew, H. G., and McFarlane.)
- McFarlane, Maynard L. D., New York, N. Y., and H. G. Bartholomew, London, England. Machine for reproducing and transmitting pictures. 1,754,688; Apr. 15.
- McFarlane, Robert. (See Bushman, F., and McFarlane.)
- McFarlin, John R., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lightning arrester and making the same. 1,763,667; June 17.
- McGahey, Robert E., Alexandria, Va. Brake lever and rod connection. 1,747,875; Feb. 18.
- McGahey, Robert E., Alexandria, Va. Grease-gun connection. 1,754,723; Apr. 15.
- McGall, Albert, Orange, N. J. Collapsible table. 1,759,199; May 20.
- McGarigal, Thomas, Bruceton, Tenn. Locomotive-sand-pipe cleaner. 1,778,160; Oct. 14.
- McGarraugh, Robert, San Antonio, Tex. Floating foundation. 1,746,668; Feb. 11.
- McGarry, John T., assignor to The American Valve and Meter Company, Cincinnati, Ohio. Railway-switch mechanism. 1,760,846; May 27.
- McGary, Alexander, et al. (See Haunz, Charles F., assignor.)
- McGaughy, John B., Bartlesville, Okla. Gas-orifice meter-chart-calculating machine. 1,748,783; Feb. 25.
- McGavack, John, Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber and products obtained thereby. 1,742,609; Jan. 7.
- McGavack, John, Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating latex and product obtained thereby. 1,762,729; June 10.
- McGavack, John, Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of latex. 1,772,752; Aug. 12.
- McGavack, John, Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Preservation of Latex. 1,772,753; Aug. 12.
- McGavack, John, Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber latex and product obtained thereby. 1,777,045; Sept. 30.
- McGavack, John, Jackson Heights, and G. B. Binmore, Long Island City, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Recovering quebrachitol from rubber latex serum. 1,758,616; May 13.
- McGee, Charles I., Buffalo, N. Y., assignor to McKaigh-Hatch, Inc. Combined nut and washer. 1,763,705; July 1.
- McGee, Estelle A. (See Morris, Frank L., assignor.)
- McGee, Eugene H., Chicago, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company. Seal. 1,781,029; Nov. 11.
- McGee, Frank R., Stuebenville, Ohio. Control mechanism for hot-blast stoves. 1,770,277; July 8.
- McGee, Rupert E., Tampa, Fla., assignor of one-half to I. M. Tracy. Direction signal light. Des. 82,950; Dec. 30.
- McGee, Rupert E., Tampa, Fla., assignor of one-half to D. E. Walters, Spring. 1,785,489; Dec. 16.
- McGee, William R. (See Chapper, F. E., and McGee.)
- McGee, William C., Gastonia, assignor to B. A. Smith, Kings Mountain, N. C. Gravity oiling mechanism for spinning frames and the like. 1,782,624; Nov. 25.
- McGeehan, Charles A., Morristown, and P. X. McGeehan, Hazleton, Pa. Filtering device. 1,750,185; Mar. 11.
- McGeehan, Patrick X. (See McGeehan, Charles A. and P. X.)
- McGerry, James J., Grand Rapids, and C. H. Whiting, Kalamazoo, Mich., assignors to Rotary Utility Corporation, Chicago, Ill. Chair. Des. 82,272; Oct. 14.
- McGerry, James J., Grand Rapids, and C. H. Whiting, Kalamazoo, Mich., assignors to Rotary Utility Corporation, Chicago, Ill. Rotary chair. Des. 82,443; Nov. 4.
- McGerry, James J., Grand Rapids, and C. H. Whiting, Kalamazoo, Mich., assignors to Rotary Utility Corporation, Chicago, Ill. Chair. Des. 82,444; Nov. 4.
- McGhan, Elmer W., Salt Lake City, Utah. Closure lock. 1,749,255; Mar. 4.
- McGhee, Henry, Rushcutters Bay, near Sydney, New South Wales, Australia. Press-cure mold for the production of rubber-soled footwear. 1,771,803; July 29.
- McGhie, Charles G. (See Connors, Thomas F., assignor.)
- McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Winding engine. 1,774,389; Aug. 26.
- McGill, Andrew D. (See Wright, S. M., and McGill.)
- McGill, Chester T., Elgin, Ill. Process and apparatus for treating boiler water. 1,742,714; Jan. 7.
- McGill, Elwin E., Kansas City, Mo. Oil and gas burning furnace. 1,746,546; Feb. 11.
- McGill, Frank E., Sacramento, Calif. Undergarment. 1,777,215; Sept. 30.
- McGill, Henry, Canterbury, Melbourne, Victoria, Australia. Change-speed mechanism. 1,744,564; Jan. 21.
- McGill, Hugh A., Detroit, Mich. Automatic feeding machine. 1,772,105; Aug. 5.
- McGill Manufacturing Company. (See Despard, Victor R., assignor.)
- McGill Manufacturing Company. (See Popp, Rudolf, assignor.)
- McGill Metal Company. (See Schubert, Frank R., assignor.)
- McGill, Thurston, Chicago, Ill. Dish basket. 1,759,993; May 27.
- McGillvray, John D., San Francisco, Calif. Identification holder. 1,765,600; June 24.
- McGinley, James M., Fort Worth, assignor of twenty-seven and one-half per cent to W. L. McGinley, San Antonio, and seventy-two and one-half per cent to Tray Service Company, Dallas, Tex. Detachable support. 1,760,912; June 3.
- McGinley, W. L., et al. (See McGinley, James M., assignor.)
- McGinnis, Basil W. (See Cole, C. E., and McGinnis.)
- McGinnis, Edward A., Pittsburgh, Pa. Hair drier. 1,765,379; June 20.
- McGinnis, Edward A., Pittsburgh, Pa. Hair drier. 1,765,380; June 24.
- McGinnis, George M., Rome, Ga. Food preserver. 1,761,483; June 3.

- McGinnis, John A., assignor to Wheeling Stamping Company, Wheeling, W. Va. Slug-casting machine. 1,782,047; Nov. 18.
- McGinty, Anthony C., Los Angeles, Calif. Rotary motor. 1,776,038; Sept. 16.
- McGlashan, Charles F., Truckee, Calif. Bird lure. 1,749,497; Mar. 4.
- McGlaughlin, William M., Columbus, Ohio. Chain fastener for doors. 1,777,146; Sept. 30.
- McGlynn, James P., Wilkes-Barre, Pa. Triple combination lock for steering gears, ignition, and transmission of motor vehicles. 1,742,963; Jan. 7.
- McGonagle, William, et al. (See Farley, Trefle, assignor.)
- McGonegal, Alfred R., Clarendon, Va., assignor of seven-eighths to S. L. Marsh, Los Angeles, Calif. Hydraulic shock absorber. 1,765,930; June 24.
- McGonegal, Err S., Rutherford, N. J. Portable grinding tool. 1,756,949; May 6.
- McGonigal, Mary M., Gannett, Idaho. Sanitary milk strainer. 1,786,500; Dec. 30.
- McGookin, George F., assignor of one-half to W. T. Hawkins, Middletown, N. Y. Combined retaining and spacing device for pipes. 1,754,033; Apr. 8.
- McGough, Cyril A., Altoona, Pa. Pipe-flanging tool. 1,754,637; Apr. 15.
- McGough, Frank. (See Freeland, E. M., and McGough.)
- McGovern, Daniel F., Montpelier, Vt. Polishing wheel. Re17,853; Nov. 4.
- McGovern, Daniel F., Montpelier, Vt. Quick-detachable connection for work wheels. 1,771,804; July 29.
- McGovern, Daniel F., Montpelier, Vt. Stone saw. 1,775,354; Sept. 9.
- McGovern, Peter F., Weehawken, N. J. Shafting for engines. 1,783,664; Dec. 2.
- McGowan, Alden L., Dayton, Ohio. Gynecological instrument. 1,758,082; May 13.
- McGowan, Harold A., Mason City, Iowa. Crank-case implement. Re17,613; Mar. 4.
- McGowan, Harold A., Davenport, Wash. Windshield wiper. 1,753,713; Apr. 8.
- McGowan, John. (See Harter, Harvey, assignor.)
- McGowan, Thomas R., assignor to The American Brake Company, St. Louis, Mo. Brake-head connection. 1,746,045; Feb. 4.
- McGowan, Thomas R., assignor to The American Brake Company, St. Louis, Mo. Brake-head connection. 1,778,118; Oct. 14.
- McGrail, John R., Lynn, Mass. Shoe-shank supporter. 1,756,872; Apr. 29.
- McGrath, John T. (See Wilson, L. F., and McGrath.)
- McGrath, John T., Bloomington, Ill. Pneumatic hammer. 1,752,448; Apr. 1.
- McGrath, John T., Bloomington, Ill. Corn trimmer. 1,759,911; May 27.
- McGrath, Minnie T., Worcester, Mass. Hair waver. 1,774,390; Aug. 26.
- McGrath, Patrick J., Mill Iron, Mont. Automobile gate. 1,783,579; Dec. 2.
- McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,758,233; May 13.
- McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,764,027; June 17.
- McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Coupling or clutch. 1,770,419; July 15.
- McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,775,823; Sept. 16.
- McGregor, Alexander G., London, England. Precipitating system. 1,753,015; Apr. 1.
- McGregor, Harold C., Detroit, Mich. Barricade support. 1,749,190; Mar. 4.
- McGregor, James A., Cleveland, Ohio. Flanging sheet metal. 1,749,148; Mar. 4.
- McGregor, James A., Cleveland, Ohio. Corner die. 1,780,432; Nov. 4.
- McGregor, James A., Cleveland, Ohio. Die for flanging sheet metal. 1,780,433; Nov. 4.
- McGregor, Rob R. (See Beal, G. D., and McGregor.)
- McGregor, Robert Q., Oakland, Calif. Composition. 1,779,183; Oct. 21.
- McGrew, Earl E., assignor to McGrew Machine Company, Lincoln, Nebr. Automatic awning and shade. 1,780,088; Oct. 28.
- McGrew, Earl E., assignor to McGrew Machine Company, Lincoln, Nebr. Automobile awning. 1,780,089; Oct. 28.
- McGrew, Earl E., assignor to McGrew Machine Company, Lincoln, Nebr. Combined shade and awning. 1,784,300; Dec. 9.
- McGrew, John A., Albany, N. Y. Rail joint. 1,743,559; Jan. 14.
- McGrew, John A., Albany, N. Y., assignor to Bethlehem Steel Company. Reversing auxiliary locomotive. 1,742,610; Jan. 7.
- McGrew, John A., Albany, N. Y. Tie plate and key. 1,781,122; Nov. 11.
- McGrew Machine Company. (See McGrew, Earl E., assignor.)
- McGucken, John L. (See Fletcher, John B., assignor.)
- McGugin, Dan E., et al., trustees. (See Brown, Charles S., assignor.)
- McGuigan, Walter J. (See Della, Ernest, assignor.)
- McGuinness, Frank J., Webster, Mass. Door-latch striker. 1,782,071; Nov. 18.
- McGuinness, William V., Flushing, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y. Single selector relay for pneumatic-tube. 1,784,967; Dec. 16.
- McGuinness, William V., Flushing, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y. Pneumatic-tube system. 1,784,968; Dec. 16.
- McGuinness, William V., Flushing, J. M. Chulstrom, Elmhurst, N. Y., and W. H. Francis, Jersey City, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Multiple sending and receiving device for pneumatic-tube systems. 1,776,697; Sept. 23.
- McGuire, Albert A., Rockford, Ill. Fastener for wall board. 1,768,624; July 1.
- McGuire, Frank J. (See Friede, S. M., and McGuire.)
- McGuire, George M., Los Angeles, Calif. Producing marbled flexible sheets. 1,761,305; June 3.
- McGuire, John J., Yonkers, N. Y. Vehicle brake. 1,783,852; Dec. 2.
- McGuire, Lee R., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Table construction. 1,782,434; Nov. 25.
- McGuire, Ottis M., Bridgeport, Nebr. Beet harvester. 1,781,952; Nov. 18.
- McGuirk, Charles W., Albany, N. Y. Flexible metallic coupling. 1,756,094; Apr. 29.
- McGurty, William J., assignor to The Bartlett Hayward Company, Baltimore, Md. Processing furnace dust. 1,780,833; Nov. 4.
- McHaffie, Alec C., Brooklyn, N. Y. Porter's truck. 1,765,985; June 24.
- McHan, Brack B. (See De Lore, C. P., and McHan.)
- McHenry, Fred M., and T. S. Wilkes, Corvallis, Ore.; said Wilkes assignor to said McHenry. Sanitary toilet. 1,751,012; Mar. 18.
- McHugh, Edward F., Kingston, Pa. Setting block. 1,746,088; Feb. 4.
- McHugh, Edward F., Kingston, Pa. Interlocking sill or jamb covering. 1,752,605; Apr. 1.
- McHugh, Edward F., Kingston, Pa. Adjustable sill or jamb covering. 1,752,606; Apr. 1.
- McHugh, Joseph W. (See Williams, H., and McHugh.)
- Mellvaine, Oran T., assignor to The Radio Television Company, East Cleveland, Ohio. Thermionic tube. 1,750,238; Mar. 11.
- Mellvried, Howard G. (See Loyd, W. C., and Mellvried.)
- Mellvried, Howard G. (See McArthur, A. R., and Mellvried.)
- McIntire, Charles S., London, assignor to MacChangers (1929) Limited, Luton, England. Advertising device. 1,780,090; Oct. 28.
- McIntire, Charles V., East Orange, N. J., assignor to Consolidation Coal Products Company, Wilmington, Del. Retort furnace. 1,757,644; May 6.
- McIntire, Charles V., East Orange, N. J., assignor to Consolidation Coal Products Company, Wilmington, Del. Producing carbonized briquettes. 1,772,189; Aug. 5.
- McIntire, Charles V., Fairmont, W. Va., assignor to Consolidation Coal Products Company, Wilmington, Del. Making fuel briquettes. 1,772,053; Aug. 5.
- McIntire, Charles V., Fairmont, W. Va., assignor to Consolidation Coal Products Company, Wilmington, Del. Apparatus for charging and discharging carbonizing ovens for fuel briquettes. 1,772,054; Aug. 5.
- McIntire, Elwood W., Ventnor, N. J. Attachment for ironing boards. 1,772,155; Aug. 5.
- McIntire, James E. (See Glass, F. R., and McIntire.)
- McIntire, James E., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,776,389; Sept. 23.
- McIntosh, Amos C., Eureka, Calif. Ship-propelling means. 1,758,847; May 13.
- McIntosh, Charles J., Milwaukee, assignor to Federal Steel Sash Company, Waukesha, Wis. Window-sash fastener. 1,786,019; Dec. 23.
- McIntosh Electrical Corporation. (See Pullwitt, Herman P., assignor.)
- McIntosh, Frederick P. (See Hopkins, R. M., and McIntosh.)
- McIntosh, James, Norristown, Pa., assignor, by mesne assignments, to Continental-Diamond Fibre Company, Newark, Del. Phenol-carbohydrate resin and making same. 1,753,030; Apr. 1.
- McIntosh, James, Cleveland Heights, Ohio. Fuel mixer for internal-combustion engines. 1,780,626; Nov. 4.
- McIntosh, James, Pittsburgh, Pa., assignor to The Koppers Company. Door-cleaning apparatus. 1,759,014; May 20.
- McIntosh, James, Pittsburgh, Pa., assignor to The Koppers Company. Doorframe-cleaning apparatus. 1,759,015; May 20.
- McIntosh, John F., Huntington, N. Y. Toy. 1,745,434; Feb. 4.
- McIntosh, Roy E., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Drill. 1,746,046; Feb. 4.
- McIntosh, Roy E., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Tool. 1,769,591; July 1.
- McIntyre, Charles S. (See Smith, E. D., and McIntyre.)
- McIntyre, David A. (See Mueller, Emil L., assignor.)
- McIntyre, Edna M., et al., executors. (See Cox, G. C., and McIntyre.)
- McIntyre, Elmer L., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,759,585; May 20.

- McIntyre, Frederic, Newton, Mass. Metering pump. 1,785,386; Dec. 16.
- McIntyre, George E., Kansas City, Mo. Carpet-securing device. 1,770,215; July 8.
- McIntyre, Henry K. (See Cox, G. C., and McIntyre.)
- McIntyre, John G., et al., executors. (See Cox, G. C., and McIntyre.)
- McIntyre, Luther R., Osterville, Mass. Cooking-utensil lifter. 1,769,448; July 1.
- McIntyre, Malcolm, et al., executors. (See Cox, G. C., and McIntyre.)
- McIntyre, Peter F. (See Blaylock, S. G., Lee, and McIntyre.)
- McIntyre, Rex W., South Manchester, assignor to The Orford Soap Company, Manchester, Conn. Receptacle filling machine. 1,751,487; Mar. 25.
- McIntyre, Robert L., Toronto, Ontario, Canada. Structural steel joist. 1,772,358; Aug. 5.
- McIntyre, Sydney S. (See La Plant, C. L., and McIntyre.)
- McIntyre, William O., Charlotte, N. C. Safety catch. 1,781,591; Nov. 11.
- McIver, William K., Elgin, assignor to Benjamin Electric Mfg. Co., Chicago, Ill. Tuning unit. 1,772,839; Aug. 12.
- McKale, Frank, Plymouth, Pa. Toy. 1,765,238; June 17.
- McKaig-Hatch, Inc. (See McGee, Charles I., assignor.)
- McKay, Eugene H., assignor to Kellogg Company, Battle Creek, Mich. Method and apparatus for treating food materials. 1,766,445; June 24.
- McKay, H. V., Proprietary Limited. (See Taylor, Headlie S., assignor.)
- McKay, John, assignor to Hard Manufacturing Company, Buffalo, N. Y. Bedstead end frame or analogous article. Des. 82,617; Nov. 25.
- McKay, John, assignor to Hard Manufacturing Company, Buffalo, N. Y. Bedstead end frame or analogous article. Des. 82,618; Nov. 25.
- McKay, John, assignor to Hard Manufacturing Company, Buffalo, N. Y. Bedstead end frame or analogous article. Des. 82,619; Nov. 25.
- McKay, John, assignor to Hard Manufacturing Company, Buffalo, N. Y. Bedstead end frame or analogous article. Des. 82,620; Nov. 25.
- McKay, John L., Minneapolis, Minn. Rescue appliance for submarines. 1,746,547; Feb. 11.
- McKay, Richard V., Dubuque, Iowa. Bottle. Des. 80,446; Feb. 4.
- McKay, Richard V., Dubuque, Iowa. Bottle. Des. 80,447; Feb. 4.
- McKay, Robert F., H. Willshaw, W. G. Gorham, and R. F. Lee, Birmingham, England, assignors to American Anode, Incorporated, New York, N. Y. Apparatus for circulation of liquids. 1,777,648; Oct. 7.
- McKay, Robert G., Indiana Harbor, Ind. Vehicle. 1,758,957; May 20.
- McKay, William A., Essex Fells, and D. S. Gustin, East Orange, N. J., assignors to Westinghouse Lamp Company. Underwater lighting unit. 1,745,901; Feb. 4.
- McKay, William E., Newark, N. J., assignor to International Oxygen Company. Valve. 1,749,774; Mar. 11.
- McKeag, Charles E., Los Angeles, Calif. Adjustable arm cushion for an automobile. 1,742,447; Jan. 7.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Cam. 1,751,938; Mar. 25.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Package-winding machine. 1,763,246; June 10.
- McKean, John O., assignor to Forest Machine Company, Westfield, Mass. Bobbin-supply truck for winding machines. 1,783,911; Dec. 2.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Yarn-tension device. 1,787,083; Dec. 30.
- McKechnie, Robert R., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Apparatus for cleaning bottles. 1,761,450; June 3.
- McKee, Arthur G., Cleveland, Ohio. Method and apparatus for treating gases. 1,748,723; Feb. 25.
- McKee, Arthur G., Cleveland Heights, Ohio. Utilizing fuel gas produced under conditions of varying pressure. 1,767,004; June 24.
- McKee, Arthur G., Cleveland, Ohio. Gas scrubber. 1,778,426; Oct. 14.
- McKee, Garnet W., Rockford, Ill. Control device. 1,752,534; Apr. 1.
- McKee, Garnet, W., Rockford, Ill. Control device. 1,779,978; Oct. 28.
- McKee, Garnet W., Rockford, Ill. Ribbon burner. 1,783,195; Dec. 2.
- McKee Glass Company. (See Smith, Donald M., assignor.)
- McKee Glass Company. (See Smith, Maurice A., assignor.)
- McKee, Martin E., Cincinnati, Ohio. System for automatically preventing railway-grade-crossing accidents. 1,785,093; Dec. 16.
- McKee, Neal T., Bronxville, assignor to American Throttle Company, Inc., New York, N. Y. Throttle-operating mechanism. 1,753,297; Apr. 8.
- McKee, Neal T., Bronxville, N. Y., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive boiler. 1,770,939; July 22.
- McKee, Neal T., Bronxville, assignor to The Superheater Company, New York, N. Y. Exhaust-steam injector. 1,782,009; Nov. 18.
- McKee, Ralph H., Leonia, N. J. Insecticide and fungicide. 1,744,324; Jan. 21.
- McKee, Ralph H., New York, N. Y. Recovering alkali. 1,753,128; Apr. 1.
- McKee, Ralph H., New York, N. Y. Method and apparatus for distilling shale. 1,774,391; Aug. 26.
- McKee, Ralph H., and C. M. Salls, New York, N. Y. Chlorinating saturated hydrocarbons. 1,765,601; June 24.
- McKee, Ralph H., and C. M. Salls, New York, N. Y. Making sulphuryl chloride. 1,765,688; June 24.
- McKee, Ralph H., Jersey City, E. H. Morse, Nutley, and P. E. Rollhaus, East Orange, assignors to Pilot Laboratory, Inc., Arlington, N. J. Bleaching cellulose products. 1,767,543; June 24.
- McKee, Walter S., and E. C. Bauer, assignors to Kensington Steel Company, Chicago, Ill. Dipper tooth. 1,780,397; Nov. 4.
- McKee, Willis, Cleveland, Ohio, assignor to Central National Bank of Cleveland. Apparatus for conveying magnetic material. 1,774,392; Aug. 26.
- McKee, Willis, Cleveland, Ohio, assignor to The Central United National Bank. Conveyor and conveyor roller. 1,780,493; Nov. 4.
- McKeefe, Edward P. (See Bradley, L., and McKeefe.)
- McKeehan, Louis W., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Heat treatment of magnetic materials. 1,762,730; June 10.
- McKeesson & Robbins, Incorporated. (See Danco, Leon A., assignor.)
- McKeldin, James R., Los Angeles, and F. W. Maxstadt, Pasadena, Calif. Said Maxstadt assignor to said McKeldin. Automatic telephone response device. 1,778,980; Oct. 21.
- McKellar, Archibald D., Park Ridge, Ill. Comb. 1,780,206; Nov. 4.
- McKellar, Judson L., Richmond Hill, N. J. Convertible chair couch. 1,770,759; July 15.
- McKellen, Samuel D., London, England. Registering apparatus. 1,757,324; May 6.
- McKellip, Spencer W., Philadelphia, assignor to Wirt Company, Germantown, Pa. Acoustic device. 1,762,184; June 10.
- McKelvey, Veronica D., Los Angeles, Calif. Sanitary belt. 1,745,106; Jan. 28.
- McKenna Brass and Manufacturing Company. (See De Markus, L., and Leopold, assignors.)
- McKenna Brass & Manufacturing Company. (See Hauger, D. M., Weaver, Wolbert, and Dunn, assignors.)
- McKenna Brass & Manufacturing Company. (See Shields, Patrick W., assignor.)
- McKenna, John J. (See McKenna, Lawrence F. and J. J.)
- McKenna, Lawrence F. and J. J., Abington, Pa. Loop-cutting attachment for circular spring beard knitting machines. 1,767,687; June 24.
- McKenna Process Co. (See Langford, George, assignor.)
- McKenna Process Company of Illinois. (See Langford, George, assignor.)
- McKenney Chain Co. (See McKenney, Emerson and H., assignors.)
- McKenney, Emerson and H., Wakefield, Mass., assignors to McKenney Chain Co., Portland, Me. Antiskid device. 1,770,040; July 8.
- McKenney, Harry. (See McKenney, Emerson and H.)
- McKennon, William F., Portland, Oreg., and R. C. Berk, Spokane, Wash., assignor, by mesne assignments, to The Standard Electric Time Co., Springfield, Mass. Automatic train annunciator. 1,744,325; Jan. 21.
- McKenzie, Alexander W., Seattle, Wash. Automatic locking elevator. 1,751,644; Mar. 25.
- McKenzie, Harold D., Brazil, Ind., assignor, by mesne assignments, to Clay Products Company, Inc., of Indiana. Rack for clay products. 1,771,414; July 29.
- McKenzie, Joseph F., Abilene, Tex. Aeroplane wing. 1,755,886; Apr. 22.
- McKenzie, Theressia, Seattle, Wash. Corset. 1,760,247; May 27.
- McKenzie, Thomas K., Harrisonville, Mo. Dental instrument. 1,783,252; Dec. 2.
- McKenzie, William M., Glenbrook, Conn. Separator. 1,781,790; Nov. 18.
- McKeon, Charles H. (See Quigg, H., and Wood, assignors.)
- McKeon, Elisha J., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Article-holding device. 1,764,638; June 17.
- McKeon, John J. (See Bryson, T. A., and McKeon.)
- McKeon, John J., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Apparatus for treating floatant material. 1,743,788; Jan. 14.
- McKeown, John L., Winnetka, Ill. Mold for constructing trusses. 1,761,306; June 3.
- McKeown, John L., Chicago, Ill. Truss. 1,762,786; June 10.
- McKeown, John L., Chicago, Ill. Expansion bearing. 1,781,517; Nov. 11.
- McKeown, Samuel C. (See Larsen, L. H., and McKeown.)
- McKeown, Thomas H., Metuchen, N. J., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Opacifier for enamels. 1,783,738; Dec. 2.
- McKeown, Thomas H., Metuchen, N. J., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Opacifier for enamels. 1,783,739; Dec. 2.

- McKeown, Thomas H., Metuchen, N. J., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Opacifier for enamels. 1,783,740; Dec. 2.
- McKercher, Joseph A., New Westminster, British Columbia, Canada. Treating shingles and the like. 1,756,373; Apr. 29.
- McKernan, Edward J. (See Kasper, W. F., and McKernan.)
- McKernan, Edward J., Topeka, Kans. Brass-truing machine. 1,751,214; Mar. 18.
- McKesson & Robbins, Incorporated. (See Clement, Donald B., assignor.)
- McKesson & Robbins, Incorporated. (See Danco, Leon A., assignor.)
- McKesson, Claude L., Sacramento, assignor to American Bitumuls Company, San Francisco, Calif. Retaining water in concrete for the hydration of cement. 1,768,366; June 24.
- McKesson & Robbins, Incorporated. (See Danco, Leon A., assignor.)
- McKibben, Charles W., Houston, Tex., assignor to Gulf Oil Corporation of Pennsylvania, Pittsburgh, Pa. Balancing electric circuits. 1,757,971; May 13.
- McKibben, Samuel J., Milwaukee, Wis. Aeroplane lamps. Des. 82,340; Oct. 21.
- McKiernan, Geo. F., & Co. (See McKiernan, Kenneth G., assignor.)
- McKiernan, Kenneth G., assignor to Geo. F. McKiernan & Co., Chicago, Ill. Advertising folder. 1,775,684; Sept. 16.
- McKim, Wilmer E., New Kensington, assignor to W. E. Spill, trustee, Pittsburgh, Pa. Weighing apparatus. 1,765,495; June 24.
- McKinlay, Edward S., Denver, Colo. Chain cutter. 1,765,602; June 24.
- McKinlay, Edward S., assignor to McKinlay Mining and Loading Machine Company, Denver, Colo. Conveyer system for mines and other purposes. 1,748,301; Feb. 25.
- McKinlay Mining and Loading Machine Company. (See McKinlay, Edward S., assignor.)
- McKinley, Benjamin P., Bridgeport, Conn., assignor to The Bryant Electric Company. Electrical connector. 1,784,020; Dec. 9.
- McKinley, Carl S., Dallas, Tex. Cellular screen. 1,760,877; June 3.
- McKinley, Charles W. (See Cram, L. V., and McKinley.)
- McKinley, Charles W. (See Harwood, M. P., and McKinley.)
- McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Instrument-panel mounting. 1,744,008; Jan. 14.
- McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Oil filter. 1,746,222; Feb. 4.
- McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Carbon-removing liquid injector. 1,761,931; June 3.
- McKinley, Charles W., assignor to The Tillotson Manufacturing Company, Toledo, Ohio. Carburetor. 1,767,599; June 24.
- McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Oil-filter member. 1,783,924; Dec. 2.
- McKinley, Charles W., and H. G. Kamrath, assignors to A C Spark Plug Company, Flint, Mich. Oil filter. 1,768,367; June 24.
- McKinley, Melvin, assignor to The Coshocton Glove Co., Coshocton, Ohio. Glove-blank forming. 1,765,282; June 17.
- McKinley, William S., Shreveport, La., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Draw pot. 1,744,406; Jan. 21.
- McKinney, Carl, assignor to Cummings Car and Coach Company, Paris, Ill. Sweeper. 1,748,049; Feb. 18.
- McKinney, Claudius F., Rochester, N. Y. Flying apparatus. 1,773,921; Aug. 26.
- McKinney, Francis B., Baldwin Township, Allegheny County, and C. H. Allen, Pittsburgh, assignors to Auto Brakeometer Corporation, Pittsburgh, Pa. Pressure applying and indicating device for brake pedals. 1,760,602; May 27.
- McKinney, Lon, assignor to The Griswold Manufacturing Company, Erie, Pa. Electric heater. 1,778,807; Oct. 21.
- McKinney, Lon, assignor to The Griswold Manufacturing Company, Erie, Pa. Forming electric heater plates. 1,778,808; Oct. 21.
- McKinney, Wendell R., assignor of one-half to B. E. Post, Kansas City, Mo. Explosive engine. 1,785,909; Dec. 23.
- McKinney, William H., jr., Memphis, Tenn., assignor to Cotton Buckle & Tag Co., Inc. Buckle. 1,778,366; Oct. 14.
- McKinstry, Frank, Nashville, Tenn. System for preventing the formation of ice on aircraft. 1,782,072; Nov. 18.
- McKissick, Clyde, Sand Springs, Okla. Multiple pumping unit. 1,761,355; June 3.
- McKissick, William H., Tulsa, Okla. Axle mounting for safety sheave blocks. 1,760,273; May 27.
- McKisson, Clyde A., New Orleans, La. Ventilating hatband. 1,771,544; July 29.
- McKlebeck, Steve, Fairbank, Pa. Table. Des. 81,103; May 6.
- McKnew, Richard T., Washington, D. C. Wardrobe or the like structure. 1,758,291; May 13.
- McKnight, Elliott John, Gardner, Mass. Boring machine. 1,748,556; Feb. 25.
- McKnight, Norman, Zelienople, Pa. Automobile heater and ventilator. 1,774,448; Aug. 26.
- McKnight, Samuel H., Jersey City, N. J., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Resilient padding. 1,769,066; July 1.
- McKnight, William. (See Holiday, H., McKnight, and Christfield.)
- McKone, Leo J., Minneapolis, Minn. Piston for automobile engines. 1,772,565; Aug. 12.
- McKown, Harry L., Wheeling, W. Va. Heating stove. 1,752,387; Apr. 1.
- McLachlan, Norman W., Newcastle-upon-the-Tyne, England, assignor to Radio Corporation of America. Obtaining high-voltage electrical impulses. 1,743,152; Jan. 14.
- McLachlan, Willard J., Schenectady, N. Y., assignor to General Electric Company. System of electric distribution. 1,785,710; Dec. 16.
- McLachlan, Willard J., Schenectady, N. Y., assignor to General Electric Company. System of electric distribution. 1,785,711; Dec. 16.
- McLachlan, Willard J., Schenectady, N. Y., assignor to General Electric Company. System of electric distribution. 1,785,712; Dec. 16.
- McLachlan, Willard J., Schenectady, N. Y., assignor to General Electric Company. System of electric distribution. 1,785,713; Dec. 16.
- McLachlan, Willard J., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,785,714; Dec. 16.
- McLain, Fremont H., Wellsville, Ohio. Shock absorber for automobiles. 1,746,840; Feb. 11.
- McLain, Harry E. (See Broad, William, assignor.)
- McLanahan-Stone Machine Company. (See Krider, George E., assignor.)
- McLanahan-Watkins Co. (See Harrison, Harold C., assignor.)
- McLaran, Robert L. (See Giancola, Nicholas, assignor.)
- McLaren, Fred B. (See Braselton, C. H., and McLaren.)
- McLaren, William W., Birmingham, Ala. Phonograph. 1,745,551; Feb. 4.
- McLarty, Henry W., et al. (See Blackwell, Sanford J., assignor.)
- McLaughlin, Belknap. (See Sacerdote, Guido M., assignor.)
- McLaughlin, Daniel P., Chicago, Ill. Flying machine. 1,783,024; Nov. 25.
- McLaughlin, Denis P., San Diego, Calif. Safety attachment for typesetting machines. 1,764,803; June 17.
- McLaughlin, Everett E. (See Naujoks, W., and McLaughlin.)
- McLaughlin, F. L., Company. (See Kiesel, Bernhard F., assignor.)
- McLaughlin, F. L., Corporation. (See Mitchel, Edward W., assignor.)
- McLaughlin, Francis J., Peru, Ind. Humidifier. 1,746,089; Feb. 4.
- McLaughlin, George D., G. E. Rockwell, F. O'Flaherty, and J. H. Highberger, Cincinnati, Ohio, assignors to Tanners' Council of the United States of America, New York, N. Y. Unhairing hides or skins. 1,785,092; Dec. 16.
- McLaughlin, James. (See Martin, Alfred M., assignor.)
- McLaughlin, Kenneth M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Indicator. 1,777,500; Oct. 7.
- McLaughlin, Milton P., Wakefield, Mass. Doorcheck for railroad cars. 1,771,184; July 22.
- McLaughlin, Thomas, Jopling, and P. J. Stone, Chitwood, Mo., assignors of twenty-six and two-thirds per cent to O. H. Gentry, sr. Device for controlling the delivery of compressed air. 1,773,593; Aug. 19.
- McLaughlin, William E., assignor to The Barkelew Electric Manufacturing Company, Middletown, Ohio. Pneumatic screw-driver. 1,774,030; Aug. 26.
- McLaughlin, William I., assignor to Standard Oil Company of California, San Francisco, Calif. Core drill and bit. 1,752,388; Apr. 1.
- McLaughlin, William I., assignor to Standard Oil Company of California, San Francisco, Calif. Core barrel. 1,769,152; July 1.
- McLaughlin, William I., assignor to Standard Oil Company of California, San Francisco, Calif. Core barrel. 1,777,010; Sept. 30.
- McLaughlin, William I., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Protractor. 1,778,981; Oct. 21.
- McLaughlin, William I., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Time-controlled compass indicator. 1,782,474; Nov. 25.
- McLaughlin, William L., Seattle, Wash. Detector for misfiring. 1,776,838; Sept. 30.
- McLaurin-Jones Co. (See Ley, Edwin L., assignor.)
- McLaurin, William W., Brookfield, Mass. Coated paper and manufacturing same. 1,780,793; Nov. 4.
- McLauthlin, Herbert F. (See Teale, W., and McLauthlin.)
- McLauthlin, Martin B., Malden, Mass. Car hoisting and dumping apparatus. 1,767,768; June 24.
- McLean, Allan H. (See Gilligan, E. J., and McLean.)
- McLean, Andy, Fullerton, Calif. Externally-expanded piston. 1,764,458; June 17.
- McLean, Arthur, assignor of one-half to J. S. Bannister, Cedar Grove, W. Va. Folding umbrella. 1,743,043; Jan. 7.

- McLean, Clarence G., Boston, Mass. Light-reflecting device. 1,787,388; Dec. 30.
- McLean, David W., Los Angeles, Calif. Dental apparatus. 1,786,915; Dec. 30.
- McLean, Embury, Brooklyn, assignor to The Engineer Company, New York, N. Y. Furnace and control therefor. 1,754,279; Apr. 15.
- McLean, James, Glasgow, Scotland. Gallery for electric lamps. 1,767,300; June 24.
- McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Protective device. 1,769,802; July 1.
- McLellan, Charles, Sioux City, Iowa. Rotary toothbrush. 1,774,031; Aug. 26.
- McLellan, Eli M. (See Pearson, C. C., and McLellan.)
- McLellan, Joseph R., Wichita, Kans. Incinerator. 1,787,081; Dec. 30.
- McLelland, William H., and G. O. Knutson, assignors to Dominion Electrical Mfg. Company, Minneapolis, Minn. Toaster. Des. 81,297; June 3.
- McLendon, Thomas O. (See Squyers, Alexander E., assignor.)
- McLennan, Arpad, Kitscoty, Alberta, Canada. Portable grain-loading device. 1,780,307; Nov. 4.
- McLennan, Major, McCamey, Tex. Amusement device. 1,749,918; Mar. 11.
- McLeod, Clifford J., Quincy, Mass. Valve-silencing mechanism. 1,785,523; Dec. 16.
- McLeod, Donald B., Vancouver, British Columbia, Canada. Bed-warming device. 1,762,663; June 10.
- McLeod, Donald B., Vancouver, British Columbia, Canada. Light-reflecting bed device. 1,764,220; June 17.
- McLeod Furniture Company. (See McLeod, Raymond H., assignor.)
- McLeod, Henry R., and C. Hohm, Leslieville, Alberta, Canada. Harrow. 1,775,316; Sept. 9.
- McLeod, John D., Saskatoon, Saskatchewan, Canada. Duplicating device. 1,759,795; May 20.
- McLeod, Kenneth C. (See Hall, J. R., McLeod, and Heatley.)
- McLeod, Lorne M., Tulsa, Okla. Swab rubber. 1,775,403; Sept. 9.
- McLeod, Raymond H., assignor to McLeod Furniture Company, Laurel, Miss. Top for desks and the like. 1,784,969; Dec. 16.
- McLeod, Warren H., Boulder, Colo. Golf tee. Des. 81,315; June 3.
- McLeod, Warren H., Boulder, Colo. Golf tee. 1,759,657; May 20.
- McLind, Herman, Los Angeles, Calif. Aeroplane. 1,762,874; June 10.
- McLoughlin, James J. R., Poland, N. Y. Automobile accessory. 1,776,291; Sept. 23.
- McLoughlin Manufacturing Company. (See Lewis, Fred J., assignor.)
- McMahon, F. J. (See Richardson, William F., assignor.)
- McMahon, William F., Riverside, Calif. Pump-piston-packing adjusting mechanism. 1,744,565; Jan. 21.
- McMahon, William F., Riverside, Calif. Oil-well pump. 1,779,483; Oct. 28.
- McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Composition cork and making same. 1,747,176; Feb. 18.
- McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Laminated cork sheet and making same. 1,756,950; May 6.
- McManus, Frank C., Brooklyn, assignor to International Motor Company, New York, N. Y. Shock-insulated draft connection. 1,746,954; Feb. 11.
- McManus, Frank C., Brooklyn, assignor to International Motor Company, New York, N. Y. Flexible closure for tractor-trailer vehicles. 1,750,186; Mar. 11.
- McManus, Leo V., Emery, S. Dak. Post puller. 1,778,682; Oct. 14.
- McMath, John E. (See Townsend, Frank B., assignor.)
- McMichael, James S., Pittsburgh, Pa. Engineer's notebook. 1,778,766; Oct. 21.
- McMillan, Angus, Windsor, Ontario, Canada. Station indicator. 1,761,737; June 3.
- McMillan Book Company. (See McMillan, John L., assignor.)
- McMillan Book Company. (See Raynolds, Reginald M., assignor.)
- McMillan Book Company. (See Unger, Paul O., assignor.)
- McMillan, Duncan. (See Paroubek, A. J., and McMillan.)
- McMillan, James O., Wichita, Kans. Pneumatic pump. 1,776,266; Sept. 23.
- McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Loose-leaf binder. Re17,895; Dec. 2.
- McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Loose-leaf binder. 1,745,684; Feb. 4.
- McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Index sheet for loose-leaf binders. 1,747,256; Feb. 18.
- McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Loose-leaf binder. 1,747,257; Feb. 18.
- McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Guide plate for loose-leaf binders. 1,763,059; June 10.
- McMillan, John L., Syracuse, assignor to McMillan Book Company, Syracuse, N. Y. Loose-leaf binder. 1,785,684; Dec. 16.
- McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Visible-index binder. 1,786,857; Dec. 30.
- McMillan, Levy, Toronto, Ontario, Canada. Cargo-discharging apparatus. 1,756,518; Apr. 29.
- McMillan, Levy, Toronto, and D. Kennedy, assignors of one-half to The William Kennedy & Sons Ltd., Owen Sound, Ontario, Canada. Mooring chock. 1,769,958; July 8.
- McMillan, Walter J. (See Lochman, Emil R., assignor.)
- McMillen, Norman F., Rochester, N. Y. Lumber for forming casings for window and door interior trim. 1,765,931; June 24.
- McMillen, Ward, et al. (See Gilligan, J. P., and Whitmore, assignors.)
- McMillin, Louis J., Indianapolis, Ind. Vehicle dumping mechanism. 1,774,182; Aug. 26.
- McMullan, Samuel, Downers Grove, and A. E. Schulz, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Wire-drawing apparatus. 1,765,437; June 24.
- McMullen, John, Buffalo, N. Y. Cotter-pin spreader. 1,751,013; Mar. 18.
- McMurray, Samuel B. (See Ford, A. T., Halsey, and McMurray.)
- McMurtry, Eugene M., Topeka, Kans. Hitch for trailers or the like. 1,768,705; July 1.
- McNab, Alexander, Bridgeport, Conn. Pump. 1,781,404; Nov. 11.
- McNabb, William R., William D. Farley, and F. J. Starcher, Long Beach, Calif. Piston expander. 1,784,018; Dec. 9.
- McNair, James O. (See Morgan, Richard E., assignor.)
- McNair, Walter A. (See Sylvander, R. C., Eaton, and McNair.)
- McNairy, Jacob W., Schenectady, N. Y., assignor to General Electric Company. Electroresponsive device. 1,756,923; Apr. 29.
- McNairy, Jacob W., Schenectady, N. Y., assignor to General Electric Company. Unidirectional electrical inductive apparatus and system. 1,756,924; Apr. 29.
- McNairy, Jacob W., and John F. Trittle, Schenectady, N. Y., assignors to General Electric Company. Control of electroresponsive devices. 1,771,935; July 29.
- McNally, Edwin M., assignor to The Barbasol Company, Indianapolis, Ind. Shaving-cream jar. Des. 81,937; Sept. 2.
- McNally, Edward E., assignor to J. J. Flanagan, Oak Park, Ill. Gelatin-band spindle. 1,742,270; Jan. 7.
- McNally, George. (See Harter, R. E., and McNally.)
- McNally, Hugh F., Richland Center, Wis. Milk strainer. 1,742,964; Jan. 7.
- McNally, James G. (See Sheppard, S. E., and McNally.)
- McNally, John R., Raleigh, N. C. Calculating device. 1,780,494; Nov. 4.
- McNamara, Edward, Wolsey, S. Dak. Calendar. 1,785,640; Dec. 16.
- McNamara, Grace E., Los Angeles, Calif. Finger protector. 1,761,356; June 3.
- McNamara, John F., Chicago, Ill. Shoe heel. 1,754,280; Apr. 15.
- McNamara, John F., Chicago, Ill. Shoe heel. 1,778,953; Oct. 21.
- McNamara, Leon, Rochelle, Ill. Fastening mechanism. 1,783,253; Dec. 2.
- McNaney, Edward T., Baltimore, Md. Oyster-cleaning machine. 1,779,046; Oct. 21.
- McNaney, Ralph S., assignor to Dowagiac Steel Furnace Company, Dowagiac, Mich. Furnace. 1,751,829; Mar. 25.
- McNaney, Ralph S., assignor to Dowagiac Steel Furnace Company, Dowagiac, Mich. Damper for warm-air furnaces. 1,751,830; Mar. 25.
- McNaught, Norris P. (See Peterson, E. H., and McNaught.)
- McNeal, Charles E., Forestville, N. Y. Separating machine and process of separating material. 1,754,834; Apr. 15.
- McNee, George, Belwood, Ontario, Canada. Stovepipe. 1,756,696; Apr. 29.
- McNee, George G., Santa Barbara, Calif. Dirigible headlight. 1,761,484; June 3.
- McNeely, Marion G., Oakland, Calif. Bullet mold. 1,763,977; June 17.
- McNees, Oliver J., New Castle, Pa. Vine-lifting attachment. 1,764,572; June 17.
- McNeil, Dollie, La Fayette, Calif. Doll. Des. 80,803; Mar. 25.
- McNeil, Elsie L., Comanche, assignor to A. A. Ketchum, Duncan, Okla. Heat regulator for incubators. 1,773,922; Aug. 26.
- McNeil, William, Sydney, New South Wales, Australia. Automatic damper for vehicle suspension springs. 1,761,485; June 3.
- McNeil, William M. (See Gough, F. J., McNeil, and Pieffer.)
- McNeil, William M. (See Manske, F. A., and McNeil.)
- McNeill, James A., Bradford, Mass. Heel-rounding machine. 1,760,160; May 27.
- McNerney, Bernard L., Minneapolis, Minn. Electric motor. 1,782,242; Nov. 18.
- McNicol, Forrest C., Milwaukee, Wis., assignor, by mesne assignments, to Square D Company, Detroit, Mich. Control for electric motors. 1,775,730; Sept. 16.
- McNiff, Gilbert P., Pittsburgh, Pa. Making projectiles. 1,773,741; Aug. 26.

- McNinch, William T., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Bail bracket for excavating dippers. 1,766,343; June 24.
- McNulta, Joseph J. (See Girtanner, A., and McNulta.)
- McNulty, Frank P., Los Angeles, Calif. Extension table. 1,751,831; Mar. 25.
- McNulty, Gregory F. (See Brown, G. C., and McNulty.)
- McNulty, Joseph, Philadelphia, Pa. Valve-actuating mechanism. 1,751,244; Mar. 18.
- McNulty, Thomas E., Alameda, Calif. Guide for venetian blinds. 1,787,158; Dec. 30.
- McNutt, Edward F., Youngstown, Ohio, assignor to Gisholt Machine Company, Madison, Wis. Lead-screw-controlling device for lathes. 1,749,598; Mar. 4.
- McNutt, Joseph D., assignor, by mesne assignments, to Winchester Repeating Arms Co., New Haven, Conn. Priming mixture. 1,755,330; Apr. 22.
- McNutt, Joseph D., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Priming mixture. 1,774,992; Sept. 2.
- McNutt, Joseph D., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Priming mixture. 1,779,820; Oct. 28.
- McNutt, Joseph D., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Priming composition. 1,779,821; Oct. 28.
- McNutt, Joseph D., assignor, by mesne assignments, to Winchester Repeating Arms Co., New Haven, Conn. Priming mixture. 1,779,851; Oct. 28.
- McOsker, Ernest L., Preston, Kans. Spring-tooth cultivator. 1,784,193; Dec. 9.
- McPartland, Michael H. (See Cornell, H. L., and McPartland.)
- McPhaul, Henry H., Yuma, Ariz. Arch support. 1,773,688; Aug. 19.
- McPherson, Arthur D., Elmhurst, Ill., assignor of one-half to P. F. MacAllister. Pile support. 1,762,341; June 10.
- McPherson, John R., Jamaica Plain, Mass. Building unit. 1,770,082; July 8.
- McPherson, John S. (See Stertzbach, H. W., and McPherson.)
- McPherson, McCormack C. (See Wilcox, E. M., and McPherson.)
- McPherson, Roderick W. (See Grummer, Joseph H., assignor.)
- McPike, John H., Alton, Ill. Box-taping machine. 1,745,940; Feb. 4.
- McPike, John H., Alton, Ill. Box folding and taping machine. 1,757,730; May 6.
- McQuaid, Howard S., Lakewood, Ohio, assignor to H. W. Walker, Edgewood, Md. Wood preservation. 1,758,958; May 20.
- McQuaid, Howard S., East Chicago, Ind., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Soldering. 1,785,134; Dec. 16.
- McQuaid, Howard S., East Chicago, Ind., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Flux for soft soldering. 1,785,135; Dec. 16.
- McQuail, James A., Hiawatha, W. Va., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-washing apparatus. 1,749,350; Mar. 4.
- McQuay-Norris Manufacturing Company. (See Mummert, Arden J., assignor.)
- McQuay Radiator Corporation. (See Scott, Clifford E., assignor.)
- McQuay Radiator Corporation. (See Seelert, Edward H., assignor.)
- McQueen, Alexander, Eastwood, Australia. Boot or shoe. 1,749,351; Mar. 4.
- McQuestion, Frank S., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Stopping mechanism for electrically-driven spindles. 1,776,236; Sept. 16.
- McQuestion, Frank S., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Cutter spindle. 1,782,243; Nov. 18.
- McQuillan, Brian, Canton, Ohio, assignor to Warwick China Company, Wheeling, W. Va. Plate. Des. 81,938; Sept. 2.
- McQuire, Harold I., Kirkland Lake, Ontario, Canada. Switch for cooling-water alarms. 1,775,773; Sept. 16.
- McQuiston, Jesse T., Sharon, assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Tin pot. 1,785,322; Dec. 16.
- McShane Bell Foundry Company. (See Serry, S. W., and Quinn, assignors.)
- McShane, Michael J., Seattle, Wash. Rigger hook. 1,769,357; July 1.
- McShane, Phelan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Manipulator pusher head. 1,751,245; Mar. 18.
- McShane, Phelan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,758,709; May 13.
- McShane, Phelan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. 1,776,518; Sept. 23.
- McShea, William T., Co. (See McShea, W. T., Parlani, and Richter, assignors.)
- McShea, William T., West New York, N. J., A. C. Parlani, Woodstock, and E. Richter, Brooklyn, assignors to William T. McShea Co. Inc., New York, N. Y. Tassel-forming machine. 1,771,305; July 22.
- McSpaden, Lewis, assignor to Fairchild Aerial Camera Corporation, New York, N. Y. Warning signal. 1,775,731; Sept. 16.
- McSpadden, Walker B., assignor of one-half to H. K. Mayer, Fort Collins, Colo. Awning or curtain. 1,752,610; Apr. 1.
- McSwain, William A., Spartanburg, S. C. Combined paper-sack and twine holder. 1,743,721; Jan. 14.
- McTaggart, Arthur W., Anyox, British Columbia, Canada. Device for separating and concentrating ores. 1,744,785; Jan. 28.
- McTaggart, Russell. (See Dolling, Thomas H., assignor.)
- McTarnahan, John T., Boston, Mass. Liquid-fuel-burning apparatus. 1,764,459; June 17.
- McThompson, George W., Haw River, N. C. Collapsible extension table. 1,758,578; May 13.
- McWane Cast Iron Pipe Company. (See Langston, Ira, assignor.)
- McWane Cast Iron Pipe Company. (See McWane, James R., assignor.)
- McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Cast-iron pipe. 1,758,454; May 13.
- McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Pipe joint. 1,758,455; May 13.
- McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Core-bar support. 1,765,020; June 17.
- McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Flask section for molding cast-iron pipes and the like. 1,765,021; June 17.
- McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Apparatus for removing cores from cast-iron pipes and the like. 1,765,022; June 17.
- McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Crane rig. 1,765,023; June 17.
- McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Core guide. 1,765,024; June 17.
- McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Apparatus for handling cores. 1,779,484; Oct. 28.
- McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Core-making apparatus. 1,779,485; Oct. 28.
- McWhirter, William C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,744,833; Jan. 28.
- McWhirter, William C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-car retarder. 1,778,531; Oct. 14.
- McWhirter, William C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric lock. 1,782,788; Nov. 25.
- McWhirter, William C., and H. S. Loomis, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,764,804; June 17.
- McWhirter, William C., Wilkinsburg, and J. E. Speer, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Time-governed circuit-controlling mechanism. 1,743,153; Jan. 14.
- McWilliam, Renwick, Pittsburgh, Pa. Holder adapter for reflectors. 1,763,436; June 10.
- McWilliams, Homer, assignor to Lockwood Lockwood Goldsmith & Galt, trustees, Indianapolis, Ind. Severable egg carton. 1,759,056; May 20.
- McWilliams, James B., Pittsburgh, Pa., assignor to The Newhall Company, Cleveland, Ohio. Machine for cleaning ballast between railway tracks. 1,747,154; Feb. 11.
- McWilliams, James B., Pittsburgh, assignor to Railway Maintenance Corporation, Aspinwall, Pa. Conveying apparatus. 1,786,020; Dec. 23.
- McWilliams, John P. (See Tobin, K. J., Heinen, and McWilliams.)
- McWilliams, John P., assignor to Youngstown Steel Door Company, Cleveland, Ohio. Slidable door. 1,742,408; Jan. 7.
- McWilliams, Robert H., Memphis, Tenn. Railroad system for levee constructing. 1,752,958; Apr. 1.
- McWilliams, William W. (See Bowly, H. W., and McWilliams.)
- Meacham, Merle R., and W. J. Seeland, Elizabeth, N. J., assignors to Standard Oil Development Company. Tank sampler. 1,767,301; June 24.
- Mead, Earl G., Cleveland Heights, Ohio. Streamline arrow and string-engaging means therefor. 1,785,589; Dec. 16.
- Mead, Edward D. (See Miller, O. R., and Mead.)
- Mead, Edward D., Caldwell, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic device. 1,743,470; Jan. 14.
- Mead, Edward D., Caldwell, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic device. 1,762,731; June 10.
- Mead, Edward D., Caldwell, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 1,763,003; June 10.
- Mead, Edward S., Philadelphia, Pa. Central heating system. 1,752,684; Apr. 1.
- Mead, Fred J., East Orange, N. J. Concrete form and structure. 1,754,638; Apr. 15.

- Mead, Fred J., East Orange, N. J. Greenhouse bed. 1,761,796; June 3.
- Mead, George A., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric coupler system. 1,749,149; Mar. 4.
- Mead, George A., assignor to The Ohio Brass Company, Coin-collection apparatus. 1,757,464; May 6.
- Mead, George A., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically connecting rails. 1,757,973; May 13.
- Mead, George J., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Safety hook for overhead tracks. 1,744,482; Jan. 21.
- Mead, George J., Milwaukee, Wis., assignor of one-half to O. E. Frieder, and one-half to A. F. Frieder, Chicago, Ill. Moving display sign. 1,757,379; May 6.
- Mead, George J., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Skiing device. 1,763,099; June 10.
- Mead, George J., assignor to The Pratt & Whitney Aircraft Co., Hartford, Conn. Supercharger construction. 1,754,724; Apr. 15.
- Mead, George J., assignor to The Pratt & Whitney Aircraft Co., Hartford, Conn. Crank-shaft construction. 1,772,631; Aug. 12.
- Mead, Harry L., Brewster, Fla., assignor to American Cyanamid Company, New York, N. Y. Asphalt filler. 1,774,608; Sept. 2.
- Mead Johnson & Company. (See Bills, Charles E., assignor.)
- Mead, Laurence L., Carlinville, Ill. Internal-combustion engine. 1,749,542; Mar. 4.
- Mead-Morrison Manufacturing Company. (See Snow, Frederick O., jr., assignor.)
- Mead Pulp & Paper Company, The. (See Rawling, Francis G., assignor.)
- Mead Pulp & Paper Company, The. (See Traquair, John, assignor.)
- Mead, Sallie P., and N. R. French, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Loading system. 1,769,959; July 8.
- Meade, Arthur F. (See Reis, Manuel D., jr., and Meade.)
- Mender, Ralph I., Lynbrook, assignor to The Western Union Telegraph Company, New York, N. Y. Desk clip for message blanks. 1,743,000; Jan. 7.
- Mendor, Barclay F., Kansas City, Mo., assignor to General Electric Company. Control system. 1,784,639; Dec. 9.
- Meador, Walter A., assignor of one-half to H. J. Renn, Gallatin, Tenn. Ground control means for aeroplanes. 1,748,517; Feb. 25.
- Meadowcroft, Joseph W., assignor to Budd Wheel Company, Philadelphia, Pa. Welding wheel parts. 1,749,917; Mar. 11.
- Meadows, Albert. (See Sherman, A. G., and Meadows.)
- Meadows, Clifford A., Toronto, Ontario, Canada. Manufacturing screen guards and similar devices. 1,772,156; Aug. 5.
- Meagher, Joseph H., Rochester, N. Y. Socket block for poles. 1,752,683; Apr. 1.
- Meaker Co., The. (See Miller, C. G., and Cleveland, assignors.)
- Meakin, Edgar T., Berkeley, Calif. Apparatus for and method of treating material. 1,766,030; June 24.
- Meakin, Edgar T., Berkeley, Calif. Apparatus for processing animal matter. 1,766,031; June 24.
- Meakin, Edgar T., Berkeley, Calif. Processing animal matter. 1,766,032; June 24.
- Meakin, Edgar T., Berkeley, Calif. Apparatus for processing animal matter. 1,766,033; June 24.
- Mealie, Tony A., Roseville, Calif. Automobile door guide. 1,766,183; June 24.
- Mealy, Charles A., Nayatt Point, assignor to The Hadley Company, Providence, R. I. Fastener for wrist-watch bracelet. 1,750,780; Mar. 18.
- Means, Dwight R., Madena County, Ohio, assignor to Pittsburgh Plate Glass Company. Treating ammoniacal liquors. 1,781,987; Nov. 18.
- Mears, Arthur M., Portland, Oreg. Clutch mechanism. 1,783,741; Dec. 2.
- Mears, Norton A., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Window attachment. 1,743,369; Jan. 14.
- Meath, Campbell A., Neodesha, Kans. Toilet seat. 1,752,499; Apr. 1.
- Meaux, Robert L., Eunice, La. Pump. 1,768,130; June 24.
- Meccia, John B., and W. Reynolds, Chicago, Ill. Hopper. 1,744,407; Jan. 21.
- Mecera, Josef, Mount Rainier, Md. Key-operated playing device for stringed musical instruments. 1,745,265; Jan. 28.
- Mechanical Handling Systems, Inc. (See Moon, Charles L., assignor.)
- Mechanical Improvement Corporation. (See Simmons, William E., assignor.)
- Mechanical Products Corporation, Limited. (See Hudson, James D., assignor.)
- Mechanical Rubber Company, The. (See Cox, Julian H., assignor.)
- Mechanical Rubber Company, The. (See Gibbons, W. A., and Binmore, assignors.)
- Mechanical Rubber Company, The. (See Hopkinson, Ernest, assignor.)
- Mechanical Rubber Company, The. (See Kent, William J., assignor.)
- Mechanical Rubber Company, The. (See Keys, W. C., and Brown, assignors.)
- Mechanical Rubber Company, The. (See Teague, Merwyn C., assignor.)
- Mechanics Universal Joint Company. (See Anderson, Carl L., assignor.)
- Mechanics Universal Joint Co. (See Swenson, Carl E., assignor.)
- Mechanics Universal Joint Company. (See Waisner, Horace L., assignor.)
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 80,283; Jan. 7.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 80,284; Jan. 7.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 80,387; Jan. 21.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 82,171; Sept. 30.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 82,273; Oct. 14.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 82,576; Nov. 18.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 82,577; Nov. 18.
- Mecklem, Millard M., and E. Harrison, Rochester, Pa. Lock mechanism for automobiles. 1,746,435; Feb. 11.
- Mecklenburg, Werner, Moscow, Union of Socialist Soviet Republics. Production of titanium dioxide. 1,758,528; May 13.
- Mecum, William F., Douglas, Wyo. Welding device. 1,762,402; June 10.
- Medairy, Charles M., Cleveland, Ohio. Truck. 1,749,107; Mar. 4.
- Medart, Fred, Manufacturing Company. (See Albach, Frank, assignor.)
- Medart, Fred, Manufacturing Company. (See Medart, P. S., and Albach, assignors.)
- Medart, Philip S., and F. Albach, assignors to Fred Medart Manufacturing Company, St. Louis, Mo. Play-ground sand box. 1,748,932; Feb. 25.
- Medaugh, William M., Ohio City, Ohio. Glove. 1,751,872; Mar. 25.
- Meder, Fred. (See Stroesser, G. J., and Meder.)
- Medholdt, Louis T., assignor to Mattison Machine Works, Rockford, Ill. Worktable for woodworking machines or the like. 1,777,412; Oct. 7.
- Medin, Harry A., Minneapolis, Minn. Ribbon for use in making infusions of coffee and other material. 1,759,166; May 20.
- Medina Rubber Company, The. (See Tarver, Edward B., assignor.)
- Meditz, Joseph, Ozone Park, N. Y. Adjustable pontoon-boat. 1,777,572; Oct. 7.
- Medler, Frederick, and C. H. Kurasch, Portland, Oreg. Theater chair. 1,775,862; Sept. 16.
- Medley, Ovid A. (See Coffing, F. L., and Medley.)
- Mee, Frederick J., London, England. Toy aeroplane. 1,767,769; June 24.
- Meece, Vernon L., Hamilton, Ohio. Draft-regulating and grate-shaking device for furnaces. 1,747,379; Feb. 18.
- Meeder, Herbert L., assignor of two-fifths to B. F. Price, Denver, Colo. Motor starter. 1,767,688; June 24.
- Meehan, Francis X. (See Luehrmann, Alfred D., assignor.)
- Meehan, Francis X. (See Luehrmann, A. D., and Meehan.)
- Meehan, John P., et al. (See Frey, Elmer E., assignor.)
- Meehan, John P., Los Angeles, Calif. Direction signal. 1,770,083; July 8.
- Meehan, Paul A. (See McElroy, R. H., and Meehan.)
- Meehan, Paul A., assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio. Tunnel kiln. 1,764,460; June 17.
- Meehan, William H., Springfield, Mass. Fish-rod holder. 1,786,254; Dec. 23.
- Meek, George A., Leon, Iowa. Tire valve. 1,769,267; July 1.
- Meek, Sterner S., United States Army, Philadelphia, Pa. Combustible. 1,756,255; Apr. 29.
- Meeker, David A. (See Johnston, H. L., and Meeker.)
- Meeks, Asa. (See Byrum, J. R., Russell, and Meeks.)
- Meeks, Thomas H. (See Hitchcock, Guy F., assignor.)
- Meeks, Thomas H. (See Hitchcock, G. F., and Meeks.)
- Meem, James C., Brooklyn, N. Y. Girder. 1,759,057; May 20.
- Meem, James C., Brooklyn, N. Y. Conveyer. 1,764,461; June 17.
- Mees, Frank S., Lynn, assignor to North American Chemical Company, Boston, Mass. Outlining McKay shoes. 1,755,550; Apr. 22.
- Mees, Robert P., St. Louis, Mo. Holster. 1,747,454; Feb. 18.
- Meesel, Henry W., Newark, N. J. Layout centering tool. 1,758,959; May 20.
- Megahan, Oliver P., New Castle, Pa. Condenser for motor-vehicle radiators. 1,778,864; Oct. 21.
- Megathlin, Ralph S., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel. 1,777,471; Oct. 7.
- Megley, Harley J., Chicago, Ill. Typographical mold. 1,752,099; Mar. 25.
- Megraw, Albert B., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,764,112; June 17.
- Mehl, Frederic M., Fremont, Nebr. Hand-operated wheel rake. 1,763,473; June 10.

- Mehlig, Henry, Corvallis, Oreg. Cultivator. 1,749,731; Mar. 4.
- Mehlum, Casper, Waltham, Mass. Internal-combustion engine. 1,757,778; May 6.
- Meier, Albert H., Evansville, Ind. Pipe vise and bender. 1,781,592; Nov. 11.
- Meier, Albert J., assignor, by mesne assignments, to Rockwood Corporation of America, St. Louis, Mo. Apparatus for making plaster board. 1,749,436; Mar. 4.
- Meier, Andreas. (See Schäfer, R., and Meier.)
- Meier, Earl C., assignor to The Production Equipment Company, Wichita, Kans. Sucker-rod guide. 1,750,851; Mar. 18.
- Meier, Gustav, Coraopolis, Pa. Joining together plates or the like. 1,744,786; Jan. 28.
- Meigs, Bassett & Slaughter, Inc. (See Bassett, H. P., and Banigan, assignors.)
- Meigs, Bassett & Slaughter, Inc., et al. (See Bassett, H. P., and Morrison, assignors.)
- Meigs, Joseph V. (See Ellis, C., and Meigs.)
- Meijer, Reinier, Voorschoten, near The Hague, assignor of one-half to De Bataafsche Petroleum-Maatschappij, The Hague, Netherlands. Driving gear of pumping engines. 1,744,787; Jan. 28.
- Meijer, Reinier, Voorschoten, assignor to De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Liquid-delivering apparatus. 1,787,889; Dec. 30.
- Meiklejohn, Roy M., Flushing, assignor to General Chemical Company, New York, N. Y. Container for corrosive materials. 1,778,532; Oct. 14.
- Meilink, Charles F., Toledo, Ohio. Fireproof safe. 1,747,836; Feb. 18.
- Meindersma, Wigger, Wassenaar, assignor to Findriven Syndicaat, Bestaande uit de Heeren Dr. Wigger Meindersma te Wassenaar voor Fifty Per Cent, Dr. Meine Rutgers te 's Gravenhage en Anton Ferdinand Johannes, Dijkeraaf te Rotterdam, Elk voor Twenty-Five Per Cent, The Hague, Netherlands. Device for driving and controlling a fin-shaped propeller. 1,752,100; Mar. 25.
- Meindersma, Wigger, Wassenaar, assignor of fifty per cent to Findriven Syndicaat, bestaande uit de heeren Dr. Wigger Meindersma te Wassenaar voor, and twenty-five per cent to Dr. Meine Rutgers te 's-Gravenhage en Anton Ferdinand Johannes Dijkgraaf te Rotterdam, elk voor, The Hague, Netherlands. Device for driving and controlling fin-shaped propellers. 1,774,206; Aug. 26.
- Meinecke, Christian W., East Orange, N. J. Tray or similar article. Des. 82,046; Sept. 16.
- Meinen, Diedrich, Warrenton, Tex. Gate operator. 1,746,270; Feb. 11.
- Meinhöfer, Otto R., Dresden, Germany. Mold for the manufacture of chocolate articles. 1,780,091; Oct. 28.
- Meinig, E. Richard, Co. (See Meinig, Ernst R., assignor.)
- Meinig, Ernst R., Wyomissing, Pa. Stocking. Des. 80,388; Jan. 21.
- Meinig, Ernst R., Wyomissing, assignor to E. Richard Meinig Co., Inc., Reading, Pa. Holder device for stockings. 1,761,402; June 8.
- Meininghaus, Ewald, Lancaster, N. Y. Latch. 1,753,714; Apr. 8.
- Meininghaus, Ewald, Lancaster, N. Y. Latch. 1,767,152; June 24.
- Meints, Harry. (See Van Epps, Glen K., assignor.)
- Meisel, Benjamin W. (See Shaver, A. G., and Meisel.)
- Meisel, George J. and B. Sklerov, New York, N. Y. Buckle. Des. 81,062; Apr. 29.
- Meiser, Josef, Dortmund, Germany. Sheet piling in box form. 1,770,652; July 15.
- Meiser, Josef, and W. Köhler, Dortmund, Germany. Apparatus for the production of section iron with box-shaped cross sections. 1,779,185; Oct. 21.
- Meiser, Wilhelm, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of urea. 1,761,893; June 3.
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna. 1,746,436; Feb. 11.
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Oscillatory circuits. 1,751,592; Mar. 25.
- Meissner, Alexander, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Insulation of electrical apparatus. 1,751,939; Mar. 25.
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Arrangement for protecting vacuum tubes. 1,763,805; June 17.
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Space radiation antenna. 1,765,438; June 24.
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Acoustics. 1,770,490; July 15.
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Wave measurement. 1,779,259; Oct. 21.
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Antenna. 1,783,025; Nov. 25.
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Indicating means for high-frequency oscillations. 1,783,297; Dec. 2.
- Meissner, Gustav E., New York, N. Y. Insulated handle. 1,774,207; Aug. 26.
- Meissner, Karl L., Berlin, Germany. Manufacturing chemically-pure aluminum by electrolysis. 1,770,940; July 22.
- Meissner, Theodor. (See Thiess, K., Meissner, and Müller.)
- Meissner, Theodor. (See Thiess, K., Runne, Moldaenke, and Meissner.)
- Meister, Conrad L., and C. R. Sugg, Wilmington, N. C. Speed-changing device. 1,785,839; Dec. 23.
- Meister, Georg. (See Hurlbrink, E., and Meister.)
- Meister, Georges, New York, N. Y. Submarine life-saving device. 1,786,627; Dec. 30.
- Meitner, Elemer. (See Sperry, E. A., and Meitner.)
- Meitzler, Charles R. (See Pieper, O. H., and Meitzler.)
- Mekelburg, Earl F. (See Campbell, H. E., and Mekelburg.)
- Mekelburg, Earl F., assignor to Union Electric Manufacturing Company, Milwaukee, Wis. Electric switch. 1,753,016; Apr. 1.
- Mekler, Lev A., Chicago, Ill. Massaging device. 1,784,301; Dec. 9.
- Melahn, August M., Brooklyn, N. Y. Switch operator. 1,775,170; Sept. 9.
- Melamid, Michael, Berlin-Zehlendorf, Germany. Splitting up of mineral oils. 1,779,486; Oct. 28.
- Melanson, Philip L., Melrose, Mass. Trailer for vehicles. 1,779,887; Oct. 28.
- Melas, William, Philadelphia, Pa. Flow meter. 1,753,469; Apr. 8.
- Melby, Charles J., Everett, Wash. Shingle. 1,764,412; June 17.
- Melbye, Oskar, Sedro Woolley, Wash. Windlass. 1,754,691; Apr. 15.
- Melcher, Lee W., De Pere, Wis. Car truck. 1,744,277; Jan. 21.
- Melchor, L. C., et al. (See Tucker, Pinkney R., assignor.)
- Meldrum, Alexander, assignor, by mesne assignments, to H. W. Smith, and W. L. Smith, Syracuse, N. Y. Vehicle wheel. 1,742,965; Jan. 7.
- Meldrum, Alexander, Syracuse, assignor to Smith-Lee Company, Inc., Oneida, N. Y. Cover-all cap. 1,776,564; Sept. 23.
- Meléndez, Leandro E., New York, N. Y. Magazine pencil. 1,780,207; Nov. 4.
- Melhus, Irving E., Ames, Iowa. Composition for and process of treating plant wounds. 1,785,641; Dec. 16.
- Meli, Fred J., et al. (See Dzamba, Andrew W., assignor.)
- Meli, John, et al. (See Dzamba, Andrew W., assignor.)
- Melick, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mansfield, Ohio. Making rail joints. 1,757,972; May 13.
- Melind, Louis, Chicago, Ill. Printing kit. 1,759,016; May 20.
- Melish, Thomas G., assignor to The Bromwell Wire Goods Company, Cincinnati, Ohio. Flour sifter. 1,753,995; Apr. 8.
- Melish, Thomas G., Cincinnati, Ohio, assignor to The Bromwell Wire Goods Company, Michigan City, Ind. Folding chair. 1,765,845; June 24.
- Melkman, Saül E., assignor to Thelma Carburetor Company, Societe Anonyme, Brussels, Belgium. Carburetor. 1,779,709; Oct. 28.
- Mell, Daisy W., Athens, Ga. Antirattling device. 1,754,115; Apr. 8.
- Mellgren, Gunnar E., Tidaholm and J. G. Sjöström, Jonköping, Sweden. Machine for making match inner boxes. 1,765,767; June 24.
- Mellick, Ralph J., and F. E. Loudy, assignors to The Glenn L. Martin Company, Cleveland, Ohio. Airplane. 1,746,669; Feb. 11.
- Melling, George, Jackson, Miss. Combined milling and drilling machine. 1,750,046; Mar. 11.
- Melling, Herbert T., New York, N. Y. Valve. 1,780,562; Nov. 4.
- Mellis, John P. (See Wood, Joseph E., assignor.)
- Mellon, James A., assignor to American Engineering Company, Philadelphia, Pa. Electric steering device. 1,787,320; Dec. 30.
- Mellor, George A., Welling, assignor of one-half to The General Electric Company Limited, London, England. Piston for internal-combustion engines. 1,763,625; June 10.
- Mellor, Joseph W., Stoke-on-Trent, England. Glazed non-vitreous pottery and the manufacture of the same. Re17,656; May 6.
- Mellor, Joseph W., Stoke-on-Trent, England. Manufacture of ceramic ware. 1,749,642; Mar. 4.
- Mellstrom, Charles G., Westminster, London, assignor to Vickers Limited, London, England. Projectile fuse. 1,772,613; Aug. 12.
- Meloche, Daniel H., assignor to American Radiator Company, New York, N. Y. Cast-metal pipe and making the same. 1,770,858; July 15.
- Melone-Rovey Lumber Co. (See Greffin, Philipp, assignor.)
- Meloy, Charles A., Santa Monica, Calif. Tire lock. 1,766,664; June 24.
- Melton, Bert C., London, England. Attachment for holding pictures against pocket mirrors. 1,784,970; Dec. 16.
- Melton, Wendell A., assignor to The J. A. Hull Co., Tulsa, Okla. Apparatus for inducing flow of oil from wells. 1,784,242; Dec. 9.
- Meltzer, Jack, Brooklyn, N. Y. Footwear. 1,769,449; July 1.

- Meltzer, Leo A., Seattle, Wash. Combined telephone pad and pencil holder. Des. 82,844; Dec. 16.
- Melville, Herbert J., Chicago, Ill. Waste receptacle. 1,753,210; Apr. 8.
- Melville, Herbert J., Chicago, Ill. Receptacle-closure means. 1,765,989; June 24.
- Melville, Herbert J., assignor to The Curtiss Candy Company, Chicago, Ill. Confection-coating machine. 1,743,227; Jan. 14.
- Melville, Herbert J., and H. E. Atchison, assignors to The Curtiss Candy Company, Chicago, Ill. Candy-slab divider. 1,765,990; June 24.
- Melvin, Galbraith S., assignor to The Melvin-Lloyd Company, Youngstown, Ohio. Boiler stand. 1,777,759; Oct. 7.
- Melvin-Lloyd Company, The. (See Melvin, Galbraith S., assignor.)
- Melvin, Thomas J., Bradford, Pa. Closure device. 1,771,545; July 29.
- Memo Engineering & Manufacturing Company. (See Lawson, Joel S., assignor.)
- Memini, Giacomo, Milan, Italy. Carburetor. 1,772,873; Aug. 12.
- Menard, James E., Blackstone, Mass., assignor to The Terrell Machine Company, Charlotte, N. C. Pneumatic bobbin stripper. 1,743,075; Jan. 7.
- Menasha Products Company, The. (See Gardner, George H., assignor.)
- Menchev, Albert J., Philadelphia, Pa. Piston. 1,767,996; June 24.
- Mendel, William, Beverly, assignor to Sanite Corporation, Burlington, N. J. Making tubes of celluloid and the like. 1,755,786; Apr. 22.
- Mendel, William, Beverly, N. J. Trade-marking carbon paper. 1,769,592; July 1.
- Mendel, William, Beverly, assignor to S. A. Neidich, Edgewater Park, N. J. Viscose complex. 1,773,923; Aug. 26.
- Mendelson, Abraham, Yardville, N. J., and S. Pearl, Brooklyn, N. Y. Gas-valve protector. 1,758,960; May 20.
- Mendenhall, Bayard W., Salt Lake City, Utah. Grease-dispensing container. 1,764,968; June 17.
- Mendenhall, William S., Aberdeen, Wash. Seat construction. 1,782,270; Nov. 18.
- Mendle, Milton D., Clayton, assignor to American Fixture & Showcase Manufacturing Company, St. Louis, Mo. Display stand. 1,762,185; June 10.
- Mendle, Milton D., Clayton, assignor to American Fixture & Showcase Mfg. Co., St. Louis, Mo. Display rack. 1,763,247; June 10.
- Mendler, Charles, San Francisco, Calif. Shade-roller latch. 1,758,961; May 20.
- Mendoza, John A., Manteca, Calif. Belt buckle. 1,763,100; June 10.
- Mendoza, Mordecai, Blackley, Manchester, assignor to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of new intermediate compounds and of azo dyes therefrom. 1,766,949; June 24.
- Mendoza, Mordecai, and K. H. Saunders, assignors to British Dyestuffs Corporation Limited, Manchester, England. Mordant azo dyestuffs. 1,766,948; June 24.
- Mendoza, Mordecai, and K. H. Saunders, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Azo dyestuffs. 1,766,950; June 24.
- Mendoza, Rafael, Mexico, Mexico. Cinematographic apparatus. 1,745,107; Jan. 28.
- Menefee, Harry R., assignor to Western Electric Company, Incorporated, New York, N. Y. High-voltage switch. 1,743,471; Jan. 14.
- Menefee, Thomas W. (See Craig, Richard M., assignor.)
- Meng, Fritz, Bern, Switzerland. Supports of articles such as furniture and the like. 1,750,678; Mar. 18.
- Meng, Harry E., Oak Park, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Hose nozzle. 1,778,223; Oct. 14.
- Menze, Sidney L., New Orleans, La. Expansion pressure-relief-valve mechanism. 1,746,160; Feb. 4.
- Mengel, Edwin P., Knoxville, Tenn. Coloring walnut-veneer sheets. 1,774,940; Sept. 2.
- Mengel, John, Oconomowoc, Wis. Can cover and top feed guide. 1,751,520; Mar. 25.
- Mengel, Joseph T., Knoxville, Tenn. Veneer-cutting machine. 1,772,726; Aug. 12.
- Menicocci, August V., New York, N. Y. Sign flasher. 1,758,456; May 13.
- Menk, William, Philadelphia, Pa. Combined portable case and collapsible seat. 1,762,580; June 10.
- Menke, Edward W., Chicago, Ill., assignor to St. Regis Paper Company, New York, N. Y. Mounting for mercury switches. 1,772,574; Aug. 12.
- Menke, Edward W., Chicago, and J. C. Redington, Geneva, Ill., assignors, by mesne assignments to St. Regis Paper Company, New York, N. Y. Siftproof valve bag. 1,783,624; Dec. 2.
- Menke, Karl H., Owatonna, Minn. Quack-grass digger. 1,760,203; May 27.
- Menningen, Adolph C., West Allis, Wis. Vehicle headlight. 1,752,349; Apr. 1.
- Mensendieck, Bess M., New York, N. Y. Physical-culture apparatus. 1,745,435; Feb. 4.
- Mensing, Anton B., New York, N. Y. Pipe cleaner. 1,770,622; July 15.
- Mentges, John, Sidney, Ohio, assignor, by mesne assignments, to Dexter Folder Company, New York, N. Y. Paper-folding machine. 1,771,964; July 29.
- Menzak, John, Manville, N. J. Safety razor. 1,780,934; Nov. 11.
- Menzel, Friedrich, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Combined automatic switch and regulator. 1,765,381; June 24.
- Menzer, Joseph G., and H. K. Khoury, assignors to Khoury Warp Stop Motion, Inc., New Bedford, Mass. Warp stop motion. 1,764,879; June 17.
- Menzies, James L., Coventry, England. Vehicle roof. 1,768,368; June 24.
- Menzin, Abraham, New York, N. Y. Shirt cuff sleeve. 1,751,832; Mar. 25.
- Menzin, Abraham L., San Francisco, Calif., assignor to Blaw-Knox Company, Blawnox, Pa. Separator. 1,754,477; Apr. 15.
- Menzin, Abraham L., San Francisco, Calif., assignor to Blaw-Knox Company, Blawnox, Pa. Steam separator. 1,754,478; Apr. 15.
- Menzin Shirt Co., Inc. (See Greenwald, Jacob, assignor.)
- Mercadante, Joseph. (See Hoke, William E., assignor.)
- Mercadante, Joseph. (See Thomson, Alfred M., assignor.)
- Mercantile-Commerce Bank and Trust Company of St. Louis. (See Clyne, Robert G.)
- Merchants Advertising Company. (See Mott, Judson L., assignor.)
- Merchants Trust Company, executor. (See O'Connor, Thomas.)
- Merchen, Glen G., Spokane, Wash. Counterbalance stabilizer. 1,786,216; Dec. 23.
- Mercier, Frank, assignor of one-half to N. Jutras, Sherbrooke, Quebec, Canada. Lamp. 1,747,984; Feb. 18.
- Mercier, René, assignor to Etablissements Aera, Paris, France. Device for the distant transmission of orders. 1,759,318; May 20.
- Mercil, Elmer J. (See O'Neill, William J., assignor.)
- Merck & Co. Inc. (See Cone, Alfred I., assignor.)
- Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
- Merco Nordstrom Valve Company. (See Nordstrom, S. J., and Haun, assignors.)
- Mercogliano, Jerry, Brooklyn, N. Y. Insecticide container. 1,743,827; Jan. 14.
- Mercogliano, Jerry, Brooklyn, N. Y. Insecticide holder. 1,769,589; July 1.
- Mercogliano, Jerry, Brooklyn, N. Y. Furniture frame. 1,769,593; July 1.
- Mercur, Nathan L. (See Hook, C. H., and Mercur.)
- Mercury Manufacturing Company. (See Kline, Lawrence J., assignor.)
- Meredith, Washington, Addyston, Ohio. Marine escape. 1,766,300; June 24.
- Mergenthaler Linotype Company. (See Grove, Ralph M., assignor.)
- Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)
- Mergenthaler Linotype Company. (See Pierson, Edwin W., assignor.)
- Mergenthaler Linotype Company. (See Quest, Alfred W. F., assignor.)
- Mergenthaler Linotype Company. (See Rodriguez, Ernesto M., assignor.)
- Mergenthaler Linotype Company. (See Rogers, John R., assignor.)
- Mergott, J. E., Company. (See Hering, William C., assignor.)
- Merian, Frederic, and J. W. Cruikshank, Pittsburgh, Pa., assignors, by mesne assignments, to Pilkington Brothers Limited, Lancashire, England. Plate-glass polishing apparatus. 1,782,475; Nov. 25.
- Merk, Friedrich, Frankfurt-on-the-Main, Germany. Automatic telephone system. 1,759,267; May 20.
- Merk, Friedrich, Frankfurt-on-the-Main, Germany. Telephone system. 1,784,698; Dec. 9.
- Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Contact finger for relays. 1,748,918; Feb. 25.
- Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Alternating-current relay. 1,766,665; June 24.
- Merkel, Otto, Philadelphia, Pa. Zither mandolin. Des. 80,575; Feb. 25.
- Merker, Max, New York, N. Y. Diaphragm valve. 1,753,662; Apr. 8.
- Merkl, Ruppert, Ossining, N. Y. Rodent trap. 1,784,904; Dec. 16.
- Merkle, Harry A., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Manufacture of aromatic thiazole compounds. 1,753,898; Apr. 8.
- Merkle, Mollie K., Paris, Ill. Mop. 1,781,237; Nov. 11.
- Merkley, Edwin J., assignor to L. T. Koerner, Jasper, Ind. Hat and coat holder. 1,777,046; Sept. 30.
- Merklinger, Frank E. (See Vauclair, C. P., and Merklinger.)
- Merle, André N., assignor to Pathé Cinema, Anciens Etablissements Pathé Frères, Paris, France. Film holder. 1,751,593; Mar. 25.
- Merle, George, sr., Brooklyn, N. Y. Voltage controlling and regulating device. 1,783,542; Dec. 2.
- Merle, Isidore A., Alameda, assignor to Fames Company, San Francisco, Calif. Wheel. 1,759,238; May 20.
- Merlo, Eugene A., Bangor, Wis. Stationary golf tee. 1,746,600; Feb. 11.
- Mermigis, James S., Kansas City, Kans. Washtub. 1,763,803; June 17.

- Merne, Francis S. (See Di Bernardo, J., and Merne.)
 Mero, Ralph M. (See Troyer, N., and Mero.)
 Merolle, Augustus L., et al. (See Merolle, A. L., and Boehle, assignors.)
 Merolle, Augustus L., and F. Boehle, assignors of one-half to said Augustus L. Merolle and one-half to Empire Metal Cap Co., Inc., Brooklyn, N. Y. Closure for glass receptacles. 1,762,342; June 10.
 Meroussis, Nickolas, New York, N. Y. Flash-light attachment. 1,753,614; Apr. 8.
 Merrell, Irving S., and O. E. Merrell, Syracuse, assignors, by mesne assignments, to Merrell-Soule Company, Inc., New York, N. Y. Collector for finely-divided solids. 1,760,764; May 27.
 Merrell, Irving S., and H. Schibsted, Syracuse, assignors, by mesne assignments, to Merrell-Soule Company, Inc., New York, N. Y. Treatment of milk powder. 1,786,858; Dec. 30.
 Merrell, Oliver E. (See Merrell, Irving S. and O. E.)
 Merrell-Soule Company. (See Merrell, I. S., and Schibsted, assignors.)
 Merrell-Soule Company. (See Merrell, Irving S. and O. E., assignors.)
 Merrell, Wm. S., Company, The. (See Billing, Wyly M., assignor.)
 Merriam, Edmund S., Marietta, Ohio, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Heat-resisting cabinet. 1,749,222; Mar. 4.
 Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Apparatus for cooling fluids. 1,782,435; Nov. 25.
 Merriam, Henry P., Carbondale, Pa., assignor to American Welding Company, New York, N. Y. Tank and making the same. 1,748,576; Feb. 25.
 Merriam, Henry P., Carbondale, Pa., assignor to American Welding Company, New York, N. Y. Forming tank ends. 1,748,577; Feb. 25.
 Merrick, Charles E., Baltimore, Md. Machine for skinning meat. 1,777,375; Oct. 7.
 Merrick, Frank W., Dorchester, assignor to American Stay Company, East Boston, Mass. Welt. 1,745,902; Feb. 4.
 Merrick, Frank W., Dorchester, assignor to American Stay Company, East Boston, Mass. Finishing strip. 1,746,199; Feb. 4.
 Merrick, Frank W., assignor to American Stay Company, Boston, Mass. Welt guide for sewing machines. 1,758,051; May 13.
 Merrick, George H., St. Louis County, Mo. Water motor. 1,744,982; Jan. 28.
 Merrick, John F., et al. (See Cushman, J. W., Everett, and Farrel, assignors.)
 Merrick & Longbottom, Inc. (See Merrick, Sumner B., assignor.)
 Merrick, Sumner B., Hanover, Mass., assignor to Merrick & Longbottom, Inc. Polished rod for oil-well pumping. 1,756,205; Apr. 29.
 Merrilies, Floy C., Chicago, Ill. Lady's neck piece. Des. 82,845; Dec. 16.
 Merrilies, Floy C., Chicago, Ill. Wearing apparel. 1,787,117; Dec. 30.
 Merrill, Allan B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Lining tanks. 1,772,190; Aug. 5.
 Merrill, Carle J., Portland, Me. Continuous-web-drying machine. 1,779,611; Oct. 28.
 Merrill, Charles F., assignor to Draper Corporation, Hopedale, Mass. Spinning ring and traveler. 1,745,835; Feb. 4.
 Merrill Company, The. (See Bryan, Russell R., assignor.)
 Merrill Company, The. (See Haun, Joye C., assignor.)
 Merrill Company, The. (See Mills, Louis D., assignor.)
 Merrill, Hamilton, South Orange, N. J., assignor to Tower Manufacturing Co., Inc. Manufacture of para-nitraniline. 1,786,766; Dec. 30.
 Merrill, Harry C., assignor to The Eagle-Picher Lead Company, Cincinnati, Ohio. Casting machine. 1,756,654; Apr. 29.
 Merrill, Leland F., Oakland, Calif. Sound-source-locating means. 1,786,859; Dec. 30.
 Merrill, Nathan E., Long Beach, Calif. Apparatus for distilling liquid hydrocarbons. 1,778,269; Oct. 14.
 Merrill, Ralph K., Grand Rapids, and F. J. Blakslee, Wyoming Township, Kent County, assignors to American Seating Company, Grand Rapids, Mich. Seat structure. 1,755,997; Apr. 22.
 Merrill, Whitney, Brooklyn, N. Y. Manufacturing tubular articles. 1,773,924; Aug. 26.
 Merrill, Wilbur L., Schenectady, N. Y., assignor to General Electric Company. Drive for wood-pulp grinders and the like. 1,785,490; Dec. 16.
 Merriman, Arthur G., Philadelphia, Pa. Moving-picture mechanism. 1,773,594; Aug. 19.
 Merriman Brothers, Inc. (See Clark, George H., assignor.)
 Merriman, Carroll L. (See Griffin, W. M., and Merriman.)
 Merriman, Michael W., Cleveland, Ohio. Removable curb box. 1,744,278; Jan. 21.
 Merriman, Thomas C., Tunstall, England, assignor to William S. Pittcain Corporation. Platter or similar article. Des. 80,448; Feb. 4.
 Merritt, Benjamin C., Shrewsbury, Mass. Balloon spinner. 1,787,159; Dec. 30.
 Merritt, Chapman & Scott Corporation. (See Bailey, Daniel, assignor.)
 Merritt, Clarence E. (See Grover, W. H., Pooley, and Merritt.)
 Merritt Engineering & Sales Company. (See Merritt, Ericsson H., assignor.)
 Merritt Engineering & Sales Company. (See Merritt, Louis G., assignor.)
 Merritt, Ericsson H. (See Merritt, Louis G. and E. H., and Stanley.)
 Merritt, Ericsson H., assignor to Merritt Engineering & Sales Company, Inc., Lockport, N. Y. Steady rest for veneer lathes. 1,776,662; Sept. 23.
 Merritt, Louis G., Lockport, N. Y. Drier. 1,759,130; May 20.
 Merritt, Louis G., assignor to Merritt Engineering & Sales Company, Inc., Lockport, N. Y. Gear-box brake. 1,753,384; Apr. 8.
 Merritt, Louis G. and E. H., and R. W. Stanley, Lockport, N. Y., assignors to said Louis G. Merritt. Drying machine. 1,757,092; May 6.
 Merrow Brothers, Inc. (See Segrin, Oscar E., assignor.)
 Merrow, Charles H., Brockton, Mass. Shoe welt. 1,753,056; Apr. 1.
 Merry, Fred C., New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. Des. 81,298; June 3.
 Merrylees, Thomas S., Yeadon, Pa. Liquid cooler. 1,754,756; Apr. 15.
 Merrylees, Thomas S., Yeadon, Pa. Cooling of liquids. 1,761,085; June 3.
 Merrylees, Thomas S., Yeadon, Pa. Liquid cooler. 1,761,086; June 3.
 Merrylees, Thomas S., Yeadon, Pa. Water cooler. 1,761,087; June 3.
 Merrymon, William W. (See Rentschler, H. C., and Merrymon.)
 Merryweather, Thomas, Akron, Ohio. Metal-arch member for openings. 1,782,147; Nov. 18.
 Mersfelder, Frederick J., and P. Balze, assignors to M. & B. Manufacturing Co., Inc., Leonia, N. J. Clean-out plug. Re17,667; May 13.
 Mershon, Ralph D., New York, N. Y. Electrolytic condenser. 1,773,492; Aug. 19.
 Mershon, Ralph D., New York, N. Y. Electrode for electrolytic condensers and the like. 1,784,532; Dec. 9.
 Mershon, Ralph D., New York, N. Y. Film formation and operation of electrolytic condensers and other apparatus. 1,784,674; Dec. 9.
 Mershon, W. B., Co. (See Rhinevalt, Glenn G., assignor.)
 Mershon, William S., Lakewood, Ohio. Mausoleum. 1,775,471; Sept. 9.
 Merz, Willy, assignor to the firm of Carl Zeiss, Jena, Germany. Objective corrected spherically, chromatically, astigmatically, and for coma. 1,786,916; Dec. 30.
 Mertens, Adolph W., Minneapolis, Minn. Massaging machine, vibrator type. 1,743,789; Jan. 14.
 Mertz, Albert A. (See Mumberg, William F., assignor.)
 Mertzano, André M., assignor to American Radiator Company, New York, N. Y. Heating apparatus. 1,746,710; Feb. 11.
 Merwin, Burton P., Weston, Conn., assignor to The Weston Toy Company, Inc. Dancing toy. 1,763,004; June 10.
 Merwin, George M. (See Johnston, E. A., Merwin, and Watchek.)
 Merwin, George M. (See Lindgren, A. C., Benjamin, and Merwin.)
 Merwin, George M. (See Raney, C. R., Merwin, and Watchek.)
 Méry, Jean, Epinay, France. Focusing device for view-taking cinematographic cameras. 1,744,788; Jan. 28.
 Merz, Christian J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-building tool. 1,751,873; Mar. 25.
 Merz, Otto H., West Allis, Wis. Fastening means. 1,758,263; May 13.
 Merzoian, Edward L., Porterville, Calif. Lemon squeezer. 1,771,503; July 29.
 Mesa, Maria L., New York, N. Y. Artificial flower. 1,757,943; May 6.
 Mesinger, Henry, New York, N. Y. Saddle. 1,771,095; July 22.
 Mesker, John L. (See Frier, James H., jr., assignor.)
 Mesker, Louis H., Shaker Heights, and J. Jenne, assignors to The Cleveland Planer Company, Cleveland, Ohio. Knee clamp for planers. 1,771,857; July 29.
 Mesler, Bertram E., Brooklyn, N. Y. Shade-roller stop. 1,765,170; June 17.
 Messer, Abraham, assignor to J. Schierer, New York, N. Y. Fingerprint identification seal. 1,746,955; Feb. 11.
 Messer, Adolf, Frankfort-on-the-Main, Germany. Combined water seal and check valve. 1,776,077; Sept. 16.
 Messer, Adolf, Frankfort-on-the-Main, Germany. Apparatus for separating liquids into constituents possessing a low-boiling point and constituents possessing a high-boiling point by distillation and rectification. 1,780,563; Nov. 4.
 Messer, Adolf, Frankfort-on-the-Main, Germany. Complete separation of liquid air into oxygen and nitrogen. 1,785,491; Dec. 16.
 Messer, Syd. (See Brownstein, Jacob, assignor.)
 Messer, Vladimir V., New York, N. Y., assignor to Selberling Rubber Company, Barborton, Ohio. Making pump members. 1,780,208; Nov. 4.
 Messerman, Theodore, Cleveland, Ohio. Obtaining balanced occlusion. 1,776,474; Sept. 23.

- Messgräte, G. m. b. H. (See Boykow, Johann-M., assignor.)
- Messick, Bert, Lansing, Mich. Aeroplane. 1,748,987; Mar. 4.
- Messier, Georges L. R. J., Montrouge, France. Brake-control system for the wheels of airplanes. 1,763,405; June 10.
- Messier, George L. R. J., Montrouge, France. Pneumatic suspension for airplanes. 1,780,531; Nov. 4.
- Messing, Joseph, Philadelphia, Pa. Latch needle. 1,775,045; Sept. 2.
- Messinger Bearings, Inc. (See Messinger, William, assignor.)
- Messinger, Ralph M., Toledo, Ohio. Combined display and vending case. Des. 82,951; Dec. 30.
- Messinger, William, assignor to Messinger Bearings, Inc., Philadelphia, Pa. Car-journal roller-bearing box. 1,774,655; Sept. 2.
- Messler, Eugene L., and J. M. Guthrie, Pittsburgh, Pa., said Guthrie assignor to said Messler. Cap for hot tops. 1,765,382; June 24.
- Messler, Madge C. (See Messler, Matie C., assignor.)
- Messler, Matie C., assignor to M. C. Messler, Providence, R. I. Cushioning and arch-supporting device. 1,778,683; Oct. 14.
- Messmer Brass Company. (See Messmer, Joseph, assignor.)
- Messmer, Joseph, assignor to Messmer Brass Company, St. Louis, Mo. Spray-pole device. 1,743,370; Jan. 14.
- Messmer, Joseph, Kirkwood, assignor to Messmer Brass Company, St. Louis, Mo. Steam trap. 1,784,153; Dec. 9.
- Messner, Christian, Trossingen, Germany. Pocket case. 1,746,489; Feb. 11.
- Messtorff, Gerhard, Spandau, near Berlin, assignor to the firm Dr. Erich F. Huth Ges. m. b. H., Berlin, Germany. Control systems for oscillation circuits. 1,749,295; Mar. 4.
- Mesta Machine Company. (See Fisk, Gustaf L., assignor.)
- Mesta Machine Company. (See Iversen, Lorenz, assignor.)
- Meszaros, Bela, New York, N. Y. Suspenders for overalls. 1,750,015; Mar. 11.
- Metal Bound Brush & Broom Co., The. (See Cazel, Cas-sius E., assignor.)
- Metalcraft Heater Corporation. (See Bovey, Sidney J. V., assignor.)
- Metalcraft Heater Corporation. (See Bovey, Thomas, assignor.)
- Metal Door & Trim Co. (See Pearson, John P., assignor.)
- Metal Edge Filter Corporation. (See Kraemer, W. L., and Purdy, assignors.)
- Metal Forms Corporation. (See Miller, George H., assignor.)
- Metal Hose & Tubing Co. (See Wallace, Archibald L., assignor.)
- Metal Lamp Corporation. (See Kornblum, Morris, assignor.)
- Metallgesellschaft Aktiengesellschaft. (See Von Halban, H., and Schober, assignors.)
- Metallic Shaft Company, The. (See Lard, Allan E., assignor.)
- Metal Office Furniture Company. (See Wege, Peter M., assignor.)
- Metal Specialties Manufacturing Co. (See Hermann, Wolfgang, assignor.)
- Metals Protection Corporation. (See Haucisen, Batist R., assignor.)
- Metal Stampings Corporation. (See Gillooly, William, assignor.)
- Metal Textile Corporation. (See Hartwell, Ralf L., assignor.)
- Metal Textile Corporation. (See Kingman, Russell B., assignor.)
- Metal Textile Corporation. (See Mayer, Daniel J., assignor.)
- Metal and Thermit Corporation. (See Begtrup, Edward F., assignor.)
- Metal & Thermit Corporation. (See Crum, Abram G., assignor.)
- Metal & Thermit Corporation. (See Lubowsky, Simon, jr., assignor.)
- Metal & Thermit Corporation. (See Masing, Georg, assignor.)
- Metal Traffic Marker Corporation. (See Foster, Robert, assignor.)
- Metal Ware Corporation. (See Koenig, R., and Marvin, assignor.)
- Metalweld, Incorporated. (See Oechsle, Joseph S., assignor.)
- Metalweld Service Corporation. (See Oechsle, Joseph S., assignor.)
- Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,745,941; Feb. 4.
- Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit coupling. 1,746,956; Feb. 11.
- Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Lighting fixture. 1,767,087; June 24.
- Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,785,136; Dec. 16.
- Metcalf, Irving R., G. L. Richardson, and J. Wolf, Chicago, Ill., assignors to Latham Machinery Company. Wire-stitcher head. 1,762,235; June 10.
- Metcalf, Walter W., Hoosick Falls, and J. Brown, Middle Falls, N. Y. Press-roll drive. 1,767,088; June 24.
- Metcalfe, Robert F., Brooklyn, assignor to Socony Burner Corporation, New York, N. Y. Safety liquid feed. 1,778,198; Oct. 14.
- Metcalfe, Robert F., assignor to Socony Burns Corporation, Brooklyn, N. Y. Fuel burner and control therefor. 1,780,357; Nov. 4.
- Meth, Isaac, Pittsburgh, Pa. Glass-polishing solution and method of polishing glass. 1,777,321; Oct. 7.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Setting device for time fuses. 1,749,643; Mar. 4.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Percussion fuse. 1,750,723; Mar. 18.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Combined automatic breech closing and opening and loading mechanism for automatic guns. 1,750,724; Mar. 18.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Combined projectile and breech block for ordnance. 1,757,675; May 6.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Apparatus for distant indication. 1,775,368; Sept. 9.
- Methling, Gustave. (See Ohlak, Frank, assignor.)
- Methvin, Gerald E., Baltimore, Md. Stabilized gyroscopic instrument. 1,763,806; June 17.
- Met-L-Wood Corporation. (See Lewis, George K., assignor.)
- Met-L-Wood Corporation. (See Swanson, Ivar R., assignor.)
- Metro-Goldwyn-Mayer Corporation. (See De Vinna, Clyde, assignor.)
- Metro-Goldwyn-Mayer Corporation. (See Gibbons, C., Lay-ton, and Basevi, assignors.)
- Metro-Goldwyn-Mayer Corporation. (See Wise, Anthony G., assignor.)
- Metropolitan-Columbia Mfg. Co. (See Levy, Isaac, assignor.)
- Metropolitan Engineering Company. (See Hoffer, Le Roy H., assignor.)
- Metropolitan Engineering Company. (See Holmes, Henry S., assignor.)
- Metropolitan Engineering Company. (See Holmes, H. S., and Hoffer, assignors.)
- Metropolitan Engineering Company. (See Lawrence, J. H., and Freiday, assignors.)
- Metropolitan Engineering Company. (See Murray, Joseph B. and T. E., jr., assignors.)
- Metropolitan Engineering Company. (See Murray, Thomas E., assignor.)
- Metropolitan Engineering Company. (See Murray, Thomas E., jr., assignor.)
- Metropolitan Engineering Company. (See Phelps, G. H., and Murray, assignors.)
- Metropolitan Engineering Company, et al. (See Williams, Herbert H., assignor.)
- Metropolitan Engineering Corporation. (See Grady, Charles B., assignor.)
- Metropolitan Engineering Corporation. (See Lawrence, John H., assignor.)
- Metropolitan Lamp Co. (See Collins, Frank, assignor.)
- Metropolitan Lamp Co. Inc. (See Cricchio, Paul, assignor.)
- Metropolitan Lamp Co. Inc. (See Felek, Julius, assignor.)
- Metropolitan Paving Brick Company, The. (See Barbour, James G., assignor.)
- Metropolitan Paving Brick Company, The. (See Keplinger, R. B., and Kanengeiser, assignors.)
- Metropolitan Paving Brick Company, The. (See Reker, Charles H., assignor.)
- Metropolitan-Vickers Electrical Company Limited. (See Robinson, Ernest Y., assignor.)
- Mettetal, Raphael, Plymouth, Mich. Machine for laying paper mulch. 1,786,021; Dec. 23.
- Metten, John F., Philadelphia, Pa. Cruising-turbine arrangement. 1,756,298; Apr. 29.
- Mettler, Arthur L., Lomita, Calif. Valve-spring-lifting tool. 1,764,519; June 17.
- Mettler, Josef, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Induction meter. 1,758,673; May 13.
- Mettler, Lee B. (See Buck, E. S., and Mettler.)
- Metts, William R., Atlanta, Ga. Automobile wheel attachment. 1,766,393; June 24.
- Metz, Andrew, Sewickley, Pa. Hot-air attachment. 1,780,092; Oct. 28.
- Metz, Frederick J., New York, N. Y. Galley clamp. 1,750,324; Mar. 11.
- Metzer, Claude W., Los Angeles, Calif., assignor, by mesne assignments, to Consolidated Machine Tool Corporation of America. Milling cutter. 1,762,875; June 10.
- Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Muffler. 1,747,876; Feb. 18.
- Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Dual-pressure un-loader. 1,754,331; Apr. 15.
- Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Starting device for compressors. 1,761,578; June 3.

- Metzger, Donald E., Los Angeles, Calif. Adjustable shore. 1,746,400; Feb. 11.
- Metzger, Gustave A., Belleville, Ill. Air-cooling apparatus. 1,750,047; Mar. 11.
- Metzger, Henry L., assignor to Fort Orange Paper Company, Castleton on Hudson, N. Y. Carton. 1,746,006; Feb. 4.
- Metzger, Josef, Halle-on-the-Saale, A. Kreutzer and T. Hellthaler, Granschütz, Germany, assignors to the firm A. Riebeck'sche Montanwerke Aktiengesellschaft, Halle-on-the-Saale, Germany. Refining of low-boiling hydrocarbons. 1,776,039; Sept. 16.
- Metzger, Myer, Chicago, Ill. Display stand. 1,752,017; Mar. 25.
- Metzger, William J., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Spindle and wheel thereon. 1,748,653; Feb. 25.
- Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
- Metzner, Albert W., assignor to J. Q. Sherman, Dayton, Ohio. Manifold. 1,754,034; Apr. 8.
- Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Multiplex autographic register. 1,760,847; May 27.
- Metzner, Albert W., assignor to J. Q. Sherman, Dayton, Ohio. Manifold. 1,767,469; June 24.
- Metzner, Albert W., assignor to J. Q. Sherman, Dayton, Ohio. Manifold. 1,767,689; June 24.
- Metzner, Albert W., Dayton, Ohio, assignor, by mesne assignments to The Standard Register Company. Manifold machine. 1,779,440; Oct. 28.
- Meuer, George J. (See Stevens, W. C., and Meuer.)
- Meuer, George J., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Switch connector. 1,744,237; Jan. 21.
- Meuer, George J., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Locking device for automotive vehicles and the like. 1,753,347; Apr. 8.
- Meuer, George J., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Electric-lamp socket. 1,761,307; June 3.
- Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,773,595; Aug. 19.
- Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 1,777,525; Oct. 7.
- Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,780,434; Nov. 4.
- Meuer, George J., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Electric switch. 1,783,298; Dec. 2.
- Meuer, George J., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Electric switch. 1,783,665; Dec. 2.
- Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical-plug receptacle. 1,787,084; Dec. 30.
- Meuer, George J., and W. C. Stevens, Milwaukee, Wis., assignors, by mesne assignments, to Cutler-Hammer, Inc. Resistance-control device. 1,742,364; Jan. 7.
- Meuer, George J., and W. C. Stevens, assignors, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Vacuum-tube socket. 1,767,690; June 24.
- Meunier, Francis, Hyon Les Mons, assignor to La Soudure Electrique Autogene S. A., Brussels, Belgium. Electrode suitable for arc welding. 1,754,116; Apr. 8.
- Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Electric tool. 1,743,860; Jan. 14.
- Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Switch mechanism. 1,745,766; Feb. 4.
- Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Screw-driver bit and finder. 1,769,067; July 1.
- Meunier, Paul. (See Stapelle, Joseph, assignor.)
- Meunier, Paul, Fleurus, Belgium. Carburetor. 1,781,066; Nov. 11.
- Meurling, Ivar, Ridley Park, assignor to The Viscose Company, Marcus Hook, Pa. Retaining ring for spinning-box lids. 1,765,239; June 17.
- Meuser, Ludwig. (See Adams, H. S., and Meuser.)
- Meursing, A., et al. (See Friedländer, Daniel, assignor.)
- Meusch, Charles C., Buffalo, N. Y. Spring structure. 1,773,925; Aug. 26.
- Meusch, Heinrich, Essen, Germany. Mining prop. 1,752,101; Mar. 25.
- Meuttman, William R. (See Kirk, S., and Meuttman.)
- Meyes, Charles W., assignor to Sheboygan Couch Company, Sheboygan, Wis. Bed davenport. 1,760,161; May 27.
- Mew, George H., and L. N. Smith, Emory University, Ga. Chair. 1,752,102; Mar. 25.
- Mewborn, Sidney G., Wilson, N. C. Combined airplane and helicopter. 1,742,715; Jan. 7.
- Mewes, Karl E. R., Dortmund, Germany. Liquefying and separating gas mixtures. 1,781,693; Nov. 18.
- Mexican American Hat Company. (See Treiman, Morris, assignor.)
- Meyer, A. W. (See Bredow, Ewald, assignor.)
- Meyer, Adolf. (See Baumann, A., and Meyer.)
- Meyer, Adolf F., St. Paul, Minn. Relay. 1,768,918; July 1.
- Meyer, Adolf, Kusnacht, near Zurich, Switzerland. Control gear for turbine plants. 1,766,527; June 24.
- Meyer, Adolf, Kusnacht, near Zurich, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Steam separator. 1,766,666; June 24.
- Meyer, Albert J., Central Park, Houston, Tex. Pump. 1,770,141; July 8.
- Meyer, Albert P., assignor to Allen S. Davison Company, Pittsburgh, Pa. Apparatus for feeding granular material. 1,742,716; Jan. 7.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,746,548; Feb. 11.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,755,998; Apr. 22.
- Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine; 1,764,739; June 17.
- Meyer, Aubrey E., Paris, France. Preparing textile yarn, and resulting products. 1,742,722; Jan. 14.
- Meyer, Aubrey E., Paris, France. Preparing textile yarn. 1,743,723; Jan. 14.
- Meyer Body Company. (See Meyer, Frederick, assignor.)
- Meyer, Charles D., Seattle, Wash. Semiautomatic rifle. 1,743,472; Jan. 14.
- Meyer, Charles F., jr., Indianapolis, Ind. Toy pistol. 1,751,488; Mar. 25.
- Meyer, Charles L., assignor to Concrete Engineering Company, Omaha, Nebr. Concrete form. 1,749,437; Mar. 4.
- Meyer, Charles, Miami, Fla., assignor to Press-Or Company. Juice extractor. Re17,893; Dec. 2.
- Meyer, Christian F., assignor to Textile Machine Works, Wyomissing, Pa. Centrifugal machine. 1,750,016; Mar. 11.
- Meyer, Christian F., and G. Bitzer, assignors to Textile Machine Works, Wyomissing, Pa. Shock-absorbing carrier-rod stop mechanism for full-fashioned knitting machines. 1,750,017; Mar. 11.
- Meyer, Delbert C., East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange equipment. 1,763,060; June 10.
- Meyer, Dr. Paul, A. G. (See Kesselring, Fritz, assignor.)
- Meyer, Edwin C., Los Angeles, Calif. Coupling. 1,754,639; Apr. 15.
- Meyer, Egon. (See Schmidt, O., Seydel, and Meyer.)
- Meyer, Elizabeth M., New York, N. Y. Soluble albumin and producing it. 1,754,521; Apr. 15.
- Meyer, Felix, Aachen, Germany. Hypodermic syringe for injecting liquids into the body or for taking them therefrom. 1,766,918; June 24.
- Meyer, Francis E., Philadelphia, Pa. Chuck-type pencil. 1,745,226; Jan. 28.
- Meyer, Francis E., assignor to Theo. Alteneder & Sons, Philadelphia, Pa. Inkstand. 1,778,705; Oct. 14.
- Meyer, Frank H. (See Schoff, A. L., and Meyer.)
- Meyer, Franz, assignor to the firm Carl Zeiss, Jena, Germany. Holder with feeding arrangement for the positive electrode of a searchlight. 1,755,551; Apr. 22.
- Meyer, Franz, assignor to the firm of Carl Zeiss, Jena, Germany. Governor switch for electric motors. 1,784,675; Dec. 9.
- Meyer, Frederick, assignor to Meyer Body Company, Inc., Buffalo, N. Y. Traveling meat hook. 1,778,332; Oct. 14.
- Meyer, Frederick S., Minneapolis, Minn. Dental instrument for forming cervical margins. 1,743,154; Jan. 14.
- Meyer, Frederick S., Minneapolis, Minn. Dental apparatus for eliminating wax from molds. 1,776,267; Sept. 23.
- Meyer, Friedrich, Berlin-Baumschulenweg, assignor to Chemische Fabriken Kunheim & Co. Aktiengesellschaft, Berlin-Niederschöneweide, Germany. Sodium sulphide drops and making them. 1,774,560; Sept. 2.
- Meyer, Friedrich, and H. J. Spanner, Berlin Halensee, Germany, assignors, by mesne assignments, to Electrons, Inc. Gas-filled discharge device. 1,784,877; Dec. 16.
- Meyer, Friedrich W., Wismar, Mecklenburg, Germany. Re-activating decolorizing carbon. 1,771,719; July 29.
- Meyer, Friedrich W., assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Regulator. 1,746,670; Feb. 11.
- Meyer Furnace Co., The. (See Boesch, William J., assignor.)
- Meyer, Geo. J., Manufacturing Company. (See Meyer, George J., assignor.)
- Meyer, Geo. J., Manufacturing Company. (See Meyer, G. J., Shodron, and Dreher, assignors.)
- Meyer, Georg, assignor to Gasmessfabrik Mainz Elster & Co., Mainz, Germany. Gas meter. 1,758,083; May 13.
- Meyer, Georg, assignor to Gasmessfabrik Mainz, Elster & Co., Mainz, Germany. Valve mechanism for gas meters. 1,783,742; Dec. 2.
- Meyer, George J., assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Pasteurizer. 1,749,150; Mar. 4.
- Meyer, George J., Milwaukee, assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Load-reducing means for conveyers. 1,763,005; June 10.
- Meyer, George J., P. G. Shodron, and O. Dreher, assignors to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Automatic feeder for soda-water-bottle fillers. 1,761,223; June 3.
- Meyer, Harold W., Brooklyn, N. Y. Fishhook spreader and making the same. 1,782,010; Nov. 18.
- Meyer, Henry, Hamburg, Germany. Driving mechanism used in connection with dental tools. 1,780,495; Nov. 4.
- Meyer, Henry, Long Island, N. Y. Valve-controlled switch for electric grinders. 1,784,493; Dec. 9.

- Meyer, Henry J., assignor to I. B. Rowell Co., Waukesha, Wis. Automatic feeder for mills. 1,772,874; Aug. 12.
- Meyer, Henry J., assignor to I. B. Rowell Co., Waukesha, Wis. Combination feed cutter and hammer mill. 1,776,593; Sept. 23.
- Meyer, Herbert A., Buffalo, N. Y. Confection wrapper. 1,782,856; Nov. 25.
- Meyer, Herman E., Chicago, Ill. Portable material-handling device. 1,778,533; Oct. 14.
- Meyer, Hermann, Berlin, Germany. Raft or boat. 1,749,711; Mar. 4.
- Meyer-Jagenberg, Günther, Dusseldorf, Germany. Cigarette-packing machine. 1,750,018; Mar. 11.
- Meyer, John F. (See Fleischer, Charles, assignor.)
- Meyer, John F., Chicago, Ill. Amusement-machine casing. Des. 80,489; Feb. 11.
- Meyer, John F., Chicago, Ill. Check-controlled switch mechanism. 1,760,655; May 27.
- Meyer, Joseph A., Newark, N. J. Setting-out machine. 1,770,179; July 8.
- Meyer, Julius A., St. Louis, Mo. Drum accessory. 1,744,483; Jan. 21.
- Meyer, Julius A., St. Louis, Mo. Drum. 1,752,568; Apr. 1.
- Meyer, Kurt H., Mannheim, and H. Hopff and A. Krause, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Meta substituted benzoylamino anthraquinones. 1,748,240; Feb. 25.
- Meyer, Kurt H., Mannheim, J. Müller, Eppstein, and U. Hoffmann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Printing colors. 1,756,951; May 6.
- Meyer, Leo J., assignor of one-half to J. A. Schuler, St. Louis, Mo. Nut-cracking machine. 1,744,657; Jan. 21.
- Meyer, Leo J., assignor of one-half to J. A. Schuler, St. Louis, Mo. Feeding mechanism for nut-cracking machines and the like. 1,782,124; Nov. 18.
- Meyer, Louis, Milford, Ill. Door-operating mechanism. 1,781,694; Nov. 18.
- Meyer, Ludwig, Berlin, Germany. Polarimeter indicator. 1,777,216; Sept. 30.
- Meyer, Otto, Arnstadt, Germany. Producing starch capable of swelling in cold water. 1,773,056; Aug. 12.
- Meyer, Richard A., New York, N. Y. Strainer. 1,767,221; June 24.
- Meyer, Robert, Gelsenkirchen, Germany. Throttling governor for rotary engines. 1,745,266; Jan. 28.
- Meyer, Roy M., and L. P. Denoyer, assignors to Denoyer-Geppert Company, Chicago, Ill. Support for maps and analogous devices. 1,758,292; May 13.
- Meyer-Sniffen Co. (See Gohring, William H., assignor.)
- Meyer, Walter G. (See Schneider, Michael J. N., assignor.)
- Meyer, William. (See Norden, Oliver, assignor.)
- Meyer, William, Chicago, Ill. Beauty-parlor chair. 1,753,470; Apr. 8.
- Meyer, William, Chicago, Ill. Stand and mounting. 1,782,660; Nov. 25.
- Meyer, William, Chicago, Ill. Hair drier. 1,785,418; Dec. 16.
- Meyer, William W., Chicago, Ill. Rotary blower or pump. 1,769,153; July 1.
- Meyer, Wilfals, Cologne-Mulheim, Germany. Repairing pupinized submarine cables. 1,743,790; Jan. 14.
- Meyer, Wilfals, assignor to Felten & Guillaume Carlswerke Aktien-Gesellschaft, Cologne-Mulheim, Germany. Repairing pupinized submarine cables. 1,748,453; Feb. 25.
- Meyercord, George R., Chicago, Ill., assignor to Haskellite Manufacturing Corporation. Refrigerator lining. 1,742,923; Jan. 7.
- Meyercord, George R., Chicago, Ill., assignor to The Vitrolite Company, Parkersburg, W. Va. Refrigerator structure and making the same. 1,786,078; Dec. 23.
- Meyercord, George R., Chicago, Ill., and F. M. Curran, Grand Rapids, Mich., assignors to Haskellite Manufacturing Corporation. Metal-faced cabinet for refrigerators and other purposes. 1,742,921; Jan. 7.
- Meyercord, George R., Chicago, Ill., and C. B. Norris, Grand Rapids, Mich., assignors to Haskellite Manufacturing Corporation. Blank for wood carvings. 1,742,924; Jan. 7.
- Meyercord, George R., Chicago, Ill., and C. B. Norris, Grand Rapids, Mich., assignors to Haskellite Manufacturing Corporation. Making embossing dies. 1,747,311; Feb. 18.
- Meyercord, George R., Chicago, Ill., and C. B. Norris, Grand Rapids, Mich., assignors to Haskellite Manufacturing Corporation. Embossing plywood. 1,780,496; Nov. 4.
- Meyercord, George R., and E. Worthington, Chicago, Ill., assignors to Haskellite Manufacturing Corporation. Separable radiocabinet. 1,742,922; Jan. 7.
- Meyerhans, August, Ebnethaden, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Transformer. 1,749,388; Mar. 4.
- Meyerhauser Timber Company. (See Bratlie, Arthur, assignor.)
- Meyerhofer, Albert. (See Buchner, Max, assignor.)
- Meyers, Franklin N., Yeadon, assignor to J. N. Meyers, Philadelphia, Pa. Oil-gauge wiper. 1,770,420; July 15.
- Meyers, George, Cathlamet, Wash. Device for piling logs. 1,775,941; Sept. 16.
- Meyers, Herbert H., Pittsburgh, Pa., assignor to Armour Fertilizer Works, Chicago, Ill. Fertilizer manufacture. 1,742,448; Jan. 7.
- Meyers, Herbert H., Pittsburgh, Pa., assignor to Armour Fertilizer Works, Chicago, Ill. Manufacture of concentrated fertilizer material. 1,760,990; June 3.
- Meyers, Herbert H., Pittsburgh, Pa., assignor to Armour Fertilizer Works, Chicago, Ill. Production of calcium-aluminate cements and fertilizer materials. 1,778,224; Oct. 14.
- Meyers, J. Nickolas. (See Meyers, Franklin N., assignor.)
- Meyers, John D. (See Glanschnig, Ignatz, assignor.)
- Meyers, Joseph H., and E. Rosenberg, Buffalo, N. Y. Printing device. 1,746,549; Feb. 11.
- Meyers, Louis W., Chicago, Ill. Bookbinding machine. 1,747,524; Feb. 18.
- Meyers, Roy L., Janesville, Wis. Heating apparatus. 1,763,668; June 17.
- Meyers, Roy L., Janesville, Wis. Automatic pipe damper. 1,784,608; Dec. 9.
- Meyers, Sidney E., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Stop valve. 1,773,110; Aug. 19.
- Meyers, Sidney E., Buffalo, assignor to National Aniline & Chemical Co. Inc., New York, N. Y. Expansion compensator. 1,776,292; Sept. 23.
- Meyers, William B., Harrah, Wash. Main ditch check and gate. 1,770,319; July 8.
- Meyerson, Max, New York, N. Y. Temporary binder. 1,762,403; June 10.
- Meylein, Andreas, Pforzheim, Germany. Process of soldering ornamental and other chains and chain mail of wire of solid cross section. 1,765,932; June 24.
- Mezger, Robert, assignor to the firm Paul Lechler, Stuttgart, Germany. Bituminous paint. 1,762,069; June 3.
- "Mig" Mühlenbau und Industrie Aktiengesellschaft. (See Roth, Hugo, assignor.)
- Mig Mühlenbau und Industrie Aktiengesellschaft. (See Schaefer, Josef, assignor.)
- Miami Cabinet Company, The. (See Miller, Harley H., assignor.)
- Michael, Alfred. (See Schriever, L. and Michael.)
- Michael, Charles F. (See Hedeon, Elmer, assignor.)
- Michael-George Company. (See Davis, David L., assignor.)
- Michael, Gus F., assignor to Bendix Brake Company, South Bend, Ind. Brake control. 1,786,670; Dec. 30.
- Michael, Leonard, Bronxville, assignor to American Can Company, New York, N. Y. Decorated container. 1,773,926; Aug. 26.
- Michael, Loren P., Elmhurst, assignor of one-half to H. T. Bentley, Oak Park, Ill. Condenser for locomotives. 1,744,052; Jan. 21.
- Michaelson, Henry G., Rockford, Ill. Show case. 1,763,716; June 17.
- Michailovsky, Nicholas M., Bronx, assignor of thirty-seven and one-half per cent to P. N. Ritter, Long Island, and twenty-five per cent to H. W. Boettger, New York, N. Y. Driving unit for speakers. 1,755,552; Apr. 22.
- Michal, James, Chicago, assignor to Storkline Furniture Corporation, Chicago, Ill. Pedal control for drop-side cribs. 1,744,658; Jan. 21.
- Michalk, Otto, Freital, near Dresden, Germany. Forward and reverse gear. 1,780,028; Oct. 28.
- Michaud, Charles E., and L. Lapierre, Hull, Quebec, Canada. Tire-rim-mounting means. 1,755,999; Apr. 22.
- Michaud, Gustave N., St. Paul, Minn. Automobile signal bracket. Des. 81,659; July 22.
- Michaud, Wilfred A. (See Goodwin, L. S., and Michaud.)
- Miche de Malleray, Alain G. L. G. M., Langeais, France. Automatic machine for milling ornamental grooves in buttons and the like. 1,756,873; Apr. 29.
- Michel, Gilbert, Bagnaux, assignor to H. O. Berg, Paris, France. Autogenous welding of magnesium and its alloys. 1,749,712; Mar. 4.
- Michel, Gilbert, Bagnaux, France, assignor to H. O. Berg. Protection of readily-oxidizable metals. 1,749,713; Mar. 4.
- Michel, Gilbert, Bagnaux, France. Protecting easily-oxidizable metals such as those having a base of magnesium, aluminum, calcium, etc. 1,754,431; Apr. 15.
- Michel, Hermann, and G. Riedl, Vienna, Austria, assignors of one-third to G. L. Herz, New York, N. Y. Examination of jewels. 1,744,485; Jan. 21.
- Michel, Maksik & Feldman, Inc. (See Maksik, Samuel, assignor.)
- Michel, Richard, Krefeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Condensation products of hydrogenated naphthalenes with ethylene. 1,766,344; June 24.
- Michel, Richard, Uerlingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of condensation products from olefines and naphthalene hydrocarbon compounds. 1,767,302; June 24.
- Micheli, Joseph, Berwind, Colo. Goggles. 1,781,067; Nov. 11.
- Michelin, André J., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Vehicle wheel. 1,750,483; Mar. 11.
- Michelin & Cie. (See Bourdon, Pierre M., assignor.)
- Michelin et Cie. (See Bourdon, Pierre M., assignor.)
- Michelin et Cie. (See Michelin, André J., assignor.)
- Michelin, Marcel M., Staten Island, assignor to Pinaud Incorporated, New York, N. Y. Container for powder. Des. 80,389; Jan. 21.
- Michelin, Marcel M., Staten Island, assignor to Pinaud Incorporated, New York, N. Y. Display card or similar article. Des. 80,390; Jan. 21.

- Michelin, Marcel M., Staten Island, assignor to Pinaud Incorporated, New York, N. Y. Display card or similar article. Des. 80,391; Jan. 21.
- Michell, Anthony G. M., Melbourne, Australia. Viscometer. 1,786,574; Dec. 30.
- Michell, Anthony G. M., Melbourne, Australia, assignor, by mesne assignments, to Michell-Crankless Engines Corporation, New York, N. Y. Mechanism for the interconversion of reciprocating and rotary motions. Re17,701; June 17.
- Michell, Anthony G. M., Melbourne, Australia, assignor, by mesne assignments, to Michell-Crankless Engines Corporation, New York, N. Y. Construction of operating crankless internal-combustion and explosion engines. Re17,879; Nov. 25.
- Michell, Anthony G. M., Melbourne, Australia, assignor to Michell-Crankless Engines Corporation, New York, N. Y. Crankless engine. 1,773,596; Aug. 19.
- Michell, Anthony G. M., Melbourne, Victoria, Australia, assignor, by mesne assignments, to Michell-Crankless Engines Corporation, New York, N. Y. Fluid motor and pump. 1,781,068; Nov. 11.
- Michell, Anthony G. M., Melbourne, Victoria, Australia, and J. P. Postlethwaite and T. Smith, London, England, assignors, by mesne assignments, to Michell-Crankless Engines Corporation, New York, N. Y. Mechanism for the interconversion of reciprocating and rotary motions. 1,781,069; Nov. 11.
- Michell-Crankless Engines Corporation. (See Michell, Anthony G. M., assignor.)
- Michell-Crankless Engines Corporation. (See Michell, A. G. M., Postlethwaite, and Smith, assignors.)
- Michell-Crankless Engines Corporation. (See Sherman, Thomas L., assignor.)
- Michell, Philip A., New Brighton, N. Y., assignor to Brandes Laboratories, Inc., Newark, N. J. Acoustic device. 1,781,988; Nov. 18.
- Michelman, Harry, Brooklyn, N. Y. Fire-alarm device. 1,781,855; Nov. 18.
- Michelman, Nathan, Brooklyn, N. Y. Grating. 1,782,789; Nov. 25.
- Michelon, Pierre, Valence, and G. Fugier, Bourg-les-Valence, France. Egg cutter. 1,750,484; Mar. 11.
- Michelsen, William O., Woodhaven, N. Y. Internal-combustion engine. 1,757,645; May 6.
- Michelson, Lawrence M., St. Louis, Mo. Counter-seat pedestal. Des. 81,299; June 3.
- Michelson, Lawrence M., and J. L. Haynes, St. Louis, Mo. Stool seat. 1,784,021; Dec. 9.
- Michelssen, Fritz, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiver for undamped oscillations. 1,757,325; May 6.
- Michigan Silo Company, The. (See Zuber, E. F., and Dowling, assignors.)
- Michigan Steel Casting Company. (See Gorham, Marvine, assignor.)
- Michigan Wire Goods Company. (See Smith, Benjamin H., assignor.)
- Michl, Robert, Kosice, Czechoslovakia, assignor, by mesne assignments, to The Hammond Clock Company, Chicago, Ill. Synchronous motor especially for driving clocks. Re17,779; Aug. 26.
- Mick, John N., Van Meter, Iowa. Post puller. 1,761,675; June 3.
- Mick, Walter K., assignor to Brown & Bigelow, St. Paul, Minn. Press-cylinder cleaner. 1,744,913; Jan. 28.
- Mickelson, Alfred O., assignor of one-half to H. A. Cumfer, Chicago, Ill., and one-half to W. J. Mason, Greenwich, Conn. Producing roofing elements and product thereof. 1,745,631; Feb. 4.
- Mickelson, Alfred O., and D. A. Cumfer, Chicago, Ill., assignors, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Prepared roofing. 1,762,404; June 10.
- Mickelson, Alfred O., and D. A. Cumfer, Chicago, Ill., assignors, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Producing shingle elements. 1,762,405; June 10.
- Mickelson, Frederick P., assignor of one-half to R. A. Sorrell, Durham, N. C. Telephone cabinet. Des. 81,143; May 13.
- Micon, David, Milwaukee, Wis. Mattress and making same. 1,771,185; July 22.
- Micro Machine Company. (See Baumberger, William J., assignor.)
- Micro Machine Company. (See Yerk, H. H., and Baumberger, assignors.)
- Middaugh, William C., Easton, Pa. Rubber-dam holder. 1,774,285; Aug. 26.
- Middelboe, Kristian, Fredericksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Bag-filling machine. 1,747,312; Feb. 18.
- Middendorf, David L. (See Williams, W. S., and Middendorf.)
- Middendorf, David L., assignor to The Federal Glass Company, Columbus, Ohio. Method and apparatus for forming glass articles. 1,775,964; Sept. 16.
- Middendorf, David L., assignor to The Federal Glass Company, Columbus, Ohio. Apparatus for shaping articles of glass. 1,775,965; Sept. 16.
- Middletown Car Company et al. (See Titren, Gerald E., assignor.)
- Middleton, Edmund B., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Decolorizing film. 1,743,155; Jan. 14.
- Middleton, Washington I., Watertown, assignor to Simplex Wire and Cable Company, Boston, Mass. Power cable. 1,755,930; Apr. 22.
- Middletown Silver Company, The. (See Cornell, Elwood N., assignor.)
- Midgett, Penelton G., Dallas, Tex. Animal trap. 1,782,661; Nov. 25.
- Midgley, Herbert, Worcester, Mass. Card-clothing foundation. 1,773,783; Aug. 26.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Method and apparatus for incorporating cords in rubber sheets. 1,742,777; Jan. 7.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Core support. 1,744,484; Jan. 21.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanizing press. 1,752,569; Apr. 1.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Expanding flat-band tire casing. 1,760,880; June 3.
- Midgley, Thomas, jr., assignor, by mesne assignments, to Delco Light Company, Dayton, Ohio. Cooling device for valves and the like. 1,748,518; Feb. 25.
- Midgley, Thomas, jr., Dayton, Ohio, assignor, by mesne assignments to General Motors Research Corporation, Mich. Using motor fuels. 1,787,419; Dec. 30.
- Midgley, Thomas, jr., and C. A. Hochwalt, Dayton, Ohio, assignors to General Motors Research Corporation, Detroit, Mich. Removing carbon deposits from cylinders. 1,786,860; Dec. 30.
- Midland Company, The. (See Nourse, Clair P., assignor.)
- Midland Specialties Company. (See Dohrmann, Henry A., assignor.)
- Midland Steel Products Company, The. (See Bosworth, Frederic M., assignor.)
- Midland Steel Products Company, The. (See Sneed, John, assignor.)
- Midland Steel Products Company, The. (See Woodhead, Harry, assignor.)
- Mid-States Steel & Wire Co. (See Birch, William M., assignor.)
- Mid-West Bottle Cap Co. (See Stohr, Phillip L., assignor.)
- Mid-West Box Company. (See Maston, Edward E., assignor.)
- Midwest Forging Company. (See Hensch, Jay L., assignor.)
- Mid-West Incinerator Corporation. (See Howle, Ernest O., assignor.)
- Midwest Metal Products Company. (See Smith, E. F., and Wilson, assignors.)
- Midwest Motor Supply. (See Johnson, Ellsworth W., assignor.)
- Midwest Piping & Supply Co. Inc. (See Fantz, Fred C., assignor.)
- Mid-West Specialty Company. (See Gillespie, Robert H., assignor.)
- Miedbrodt, Carl, Berlin-Rosenthal, Germany. Hydrogen generator. 1,777,444; Oct. 7.
- Mieg, Walter, Opladen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New valuable vat dyes of the anthraquinone series. 1,781,238; Nov. 11.
- Mieg, Walter, Opladen, and R. Heidenreich, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New condensation product of the perimidone series. 1,749,955; Mar. 11.
- Miehle Printing Press & Manufacturing Company. (See Blaine, Joseph R., assignor.)
- Miehle Printing Press & Manufacturing Company, The. (See Dudley, Edward F., assignor.)
- Miehle Printing Press & Manufacturing Company, The. (See Golber, Hyman E., assignor.)
- Miehle Printing Press & Mfg. Company, The. (See Jacobson, Arthur G., assignor.)
- Mielke, Ferdinand, Cleveland, Ohio. Balancing apparatus. 1,786,079; Dec. 23.
- Mierley, Ida B. (See Mierley, Ira C., assignor.)
- Mierley, Ira C., assignor to I. B. Mierley, Denver, Colo. Physical and surgical apparatus. 1,748,784; Feb. 25.
- Mierley, Ira C., assignor to I. B. Mierley, Denver, Colo. Operating curette. 1,749,919; Mar. 11.
- Miesse, Richard E., Jersey City, assignor to New Process Metals Corporation, Newark, N. J. Purifying rare gases. 1,753,298; Apr. 8.
- Miessner, William O., Milwaukee, Wis. Violin practice finger board. 1,751,048; Mar. 18.
- Mietzsch, Fritz. (See Schulemann, W., Schönhöfer, and Mietzsch.)
- Mietzsch, Fritz. (See Schulemann, W., Wingler, and Mietzsch.)
- Mieville, Charles, assignor to Etablissements Herbelot & Vorns Societe Anonyme, Paris, France. Apparatus for radio telegraphy or telephony. 1,774,720; Sept. 2.
- Miffin, B., Hood Brick Company. (See Thomas, John W., assignor.)
- Mignot, Arthur E., Newark, N. J., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Electrical transformer. 1,776,078; Sept. 16.
- Miguet, Paul L. J., St.-Julien-de-Maurienne, France. Automatic charging of electric furnaces. 1,784,699; Dec. 9.

- Miguet, Paul L. J., Montricher, near St. Julien de Maurienne, assignor to Societe Electrometallurgique de Montricher, Saint-Julien-de-Maurienne, Savoie, France. Stirring or poking apparatus for electric furnaces. 1,778,809; Oct. 21.
- Mihaly, Stephan, Springfield, Ohio. Brake mechanism. 1,745,502; Feb. 4.
- Mihalyi, Frank, St. Louis, Mo., assignor to The David White Company, Milwaukee, Wis. Transit level. 1,781,666; Nov. 11.
- Mihalyi, Frank, St. Louis, Mo., assignor to The David White Company, Milwaukee, Wis. Surveying instrument. 1,781,667; Nov. 11.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Projection system for color pictures. 1,762,932; June 10.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Projection system for color pictures. 1,762,933; June 10.
- Mijares, Anilo, Yonkers, N. Y. Carburetor. 1,756,430; Apr. 29.
- Mijares, Anilo, Yonkers, N. Y. Carburetor. 1,756,431; Apr. 29.
- Mijer, Pieter, assignor, by mesne assignments, to The Two-Tone Corporation, New York, N. Y. Process of and apparatus for dyeing textile fabrics. 1,758,234; May 13.
- Mijer, Pieter, New York, N. Y., L. C. Scott, Brooklyn, N. Y., and G. S. Radford, New Canaan, Conn., assignors, by mesne assignments, to Two-Tone Corporation, New York, N. Y. Apparatus for dyeing, coloring, and coating. 1,755,302; Apr. 22.
- Mijnbouw En Handelsmaatschappij, "Wonoh Gedeh". (See Ellinger, Frits, assignor.)
- Mik, Franz, Kreuzlingen, Switzerland, assignor to Holzverkohlungs-Industrie Aktiengesellschaft, Constance, Germany. Activated charcoal. 1,743,975; Jan. 14.
- Mikaelson, Erik W., assignor to Treadwell Engineering Company, Easton, Pa. Conveyor table. 1,786,575; Dec. 30.
- Mikesh, Martin A., Jersey City, N. J., assignor to The M. W. Kellogg Company. Belt tightener. 1,744,486; Jan. 21.
- Miketta, Casimir A., Los Angeles, Calif., assignor, by mesne assignments, to Celite Corporation, New York, N. Y. Material for use in treatment of liquids. 1,756,906; Apr. 29.
- Mikkelsen, Carl G., Hilliard, Fla. Poultry feeder. 1,770,216; July 8.
- Mikkelsen, Emil C., Yankton, S. Dak. Truck end gate. 1,775,909; Sept. 16.
- Mikkelsen, Wallace E. (See Maxfield, H. L., and Mikkelsen.)
- Mikula, George, Jersey City, N. J. Floating and cushioning device for aeroplanes. 1,748,492; Feb. 25.
- Mikus, Frank N., Youngstown, Ohio. Safety swimming device. 1,777,413; Oct. 7.
- Milburn, Lessiter C., assignor to The Glenn L. Martin Company, Cleveland, Ohio. Airplane. 1,748,302; Feb. 25.
- Milburn, William R., Shorewood, assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Controller for electric motors. 1,749,389; Mar. 4.
- Milcoff, Joseph E., Leetsdale, Pa., assignor to National Electric Products Corporation, New York, N. Y. Switch and outlet box. 1,785,524; Dec. 16.
- Milcor Steel Company. (See Buller, Charles M., assignor.)
- Milcor Steel Company. (See Schmieder, Robert S., assignor.)
- Milcor Steel Company. (See Siebenlist, Anthony G., assignor.)
- Mildner, Hans, Leverkusen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Preparing beta sulpho phthalic acid. 1,745,025; Jan. 28.
- Mildren, L. J., et al. (See Stainbrook, William H., assignor.)
- Mildren, Lory J. (See Horner, William E., assignor.)
- Mildren, Lory J. (See Taylor, James S., assignor.)
- Mildren, Lory J., et al. (See Taylor, James S., assignor.)
- Mildren, Lory J., Ponca City, Okla. Self-locking muffler bar for belt clamps. 1,774,807; Sept. 2.
- Mileometer Company, The. (See Smulski, Theodore J., assignor.)
- Miles, Albert R., Indianapolis, Ind. Safety valve for tires. 1,759,796; May 20.
- Miles, Beverly H. (See Simmons, A. T., and Miles.)
- Miles, Charles C., et al. (See Alseth, S., and Neal, assignors.)
- Miles, Ernest S., Media, Pa. Toy. Des. 80,904; Apr. 8.
- Miles, Eustace H., London, and G. Reilly, Luton, England. Composition of vegetable food and making the same. 1,775,966; Sept. 16.
- Miles, Eustace H., London, and G. Reilly, Luton, England. Making a vegetable food. 1,775,967; Sept. 16.
- Miles, George W., Boston, Mass., and C. Dreyfus, New York, N. Y., assignors to Celanese Corporation of America. Cellulose esters and the manufacture thereof. 1,742,611; Jan. 7.
- Miles, James C. (See Teare, Albert R., assignor.)
- Miles, Lester H., Los Angeles, Calif. Siren. 1,746,437; Feb. 11.
- Miles, Lester H., Los Angeles, Calif. Fluid-elevating apparatus. 1,749,151; Mar. 4.
- Miles, Lester H., Los Angeles, Calif. Fluid brake. 1,770,796; July 15.
- Miles, Lester H., Los Angeles, Calif. Siren rotor. 1,772,614; Aug. 12.
- Miles, Lester H., Los Angeles, Calif. Apparatus for elevating fluids. 1,773,784; Aug. 26.
- Miles, Raymond C., et al. (See Vandivort, Homer H., assignor.)
- Miles, Thomas A., Sapulpa, assignor of one-half to F. H. Zinn, Tulsa, Okla. Pull-rod carrier. 1,774,103; Aug. 26.
- Miles, William B., Downers Grove, Ill. Child's vehicle. Des. 82,750; Dec. 9.
- Miles, William B., Downers Grove, Ill. Child's vehicle. Des. 82,751; Dec. 9.
- Miles, William B., Downers Grove, Ill. Child's vehicle. Des. 82,752; Dec. 9.
- Miles, William B., Downers Grove, Ill. Child's vehicle. Des. 82,753; Dec. 9.
- Miles, William B., Downers Grove, Ill. Child's vehicle. Des. 82,754; Dec. 9.
- Miley, Lavina C., Walla Walla, Wash. Garment separator and size indicator. 1,745,942; Feb. 4.
- Miley, Walter E., assignor to The Marion Steam Shovel Company, Marion, Ohio. Excavating dipper. 1,745,436; Feb. 4.
- Miley, Walter E., assignor to The Marion Steam Shovel Company, Marion, Ohio. Teeth for excavating dippers and the like. 1,748,359; Feb. 25.
- Miley, Walter E., assignor to The Marion Steam Shovel Company, Marion, Ohio. Teeth for excavating dippers and the like. 1,750,116; Mar. 11.
- Miley, Walter E., assignor to The Marion Steam Shovel Company, Marion, Ohio. Excavating dipper. 1,751,745; Mar. 25.
- Miley, Walter E., assignor to The Marion Steam Shovel Company, Marion, Ohio. Excavating dipper. 1,770,543; July 15.
- Milbender, Jacob, Los Angeles, Calif. Cushioning device for doors and windows. 1,750,781; Mar. 18.
- Milbening, J. Inc. (See Bichele, Charles S., assignor.)
- Milbomme, Alexander, Ridgefield Park, assignor to Progressive Silk Finishing Co., Hoboken, N. J. Treating textile fabrics. 1,781,296; Nov. 11.
- Milius Shoe Company. (See Walsh, John J., assignor.)
- Milk Bottle Crate Company. (See Stoddard, Robert, assignor.)
- Milkie, George A., Brooklyn, N. Y. Tobacco pipe. 1,780,029; Oct. 28.
- Milks, Elbert D., Salamanca, N. Y. Necktie clip. 1,783,049; Nov. 25.
- Millar, Charles R. and D. S. Strachan, London, England. Gripping device. 1,772,727; Aug. 12.
- Millar, Thomas L. M., Hamilton, New Zealand. Automatic electric-circuit-controlling device. 1,749,775; Mar. 11.
- Millar, William P., Saskatoon, Saskatchewan, Canada. Dentist's measuring device. 1,751,833; Mar. 25.
- Millar, William T., Arnprior, Ontario, Canada. Weed eradicator. 1,745,903; Feb. 4.
- Millard, William J., assignor of one-half to A. Wolf, New York, N. Y. Automobile bumper guard. 1,744,408; Jan. 21.
- Mill Device Company. (See Byrd, Britton E., assignor.)
- Miller, Abraham, Los Angeles, Calif. Fruit-juice separator. 1,757,326; May 6.
- Miller, Albert B., and W. H. Kellner, Green Bay, Wis. Gas heater. 1,766,394; June 24.
- Miller, Albert F., Kansas City, Kans. Balustrade post. 1,752,018; Mar. 25.
- Miller, Alfred, Dessau, Germany, assignor, by mesne assignments, to Agfa Anso Corporation, Binghamton, N. Y. Hardening colloids. 1,763,533; June 10.
- Miller, Amos L., Philadelphia, Pa., assignor to The Ault & Wiborg Co., Cincinnati, Ohio. Method of and apparatus for making ink, etc. 1,765,991; June 24.
- Miller, Amos L., Philadelphia, Pa., and H. J. Masson, New York, N. Y. Dealing with particles in gaseous suspension. 1,767,089; June 24.
- Miller, Andrew and W. M. Akers, Newport News, Va. Bulb mount for headlights. 1,758,166; May 13.
- Miller, Arthur E. (See Salisbury, H. M., and Miller.)
- Miller, Arthur E., Houston, Tex. Post-hole digger and reamer. 1,751,521; Mar. 25.
- Miller, Arthur E., and C. H. Johnson, Sacramento, Calif. Key-ejector mechanism. 1,745,836; Feb. 4.
- Miller, Basil, Newton, Iowa. Wind-power generator. 1,767,303; June 24.
- Miller, Ben, Kansas City, Mo. Window construction. 1,767,600; June 24.
- Miller, Carl, San Francisco, Calif. Massage device. 1,758,962; May 20.
- Miller, Carl, New York, N. Y. Sanitary telephone device. 1,784,700; Dec. 9.
- Miller, Carl D., Millis, Mass. Method and apparatus for reclaiming lubricating oil. 1,768,209; June 24.
- Miller, Carl G., Mount Clemens, Mich. Furnace. 1,748,303; Feb. 25.
- Miller, Charles. (See Layman, Stephen D., assignor.)
- Miller, Charles. (See Winkler, A., and Miller.)
- Miller, Charles, Long Island City, N. Y. Demonstrating shoe sample. 1,767,090; June 24.
- Miller, Charles C., Fort Wayne, Ind. Box. 1,772,106; Aug. 5.
- Miller, Charles E. (See Beal, C. H., and Miller.)
- Miller, Charles F., Anderson, Ind. Pastry recipe. 1,761,738; June 3.

- Miller, Charles, Long Island City, and M. Feinstein, Corona, N. Y. Shoe counter. 1,781,953; Nov. 18.
- Miller, Charles, Long Island City, and M. Feinstein, Corona, N. Y.; said Feinstein assignor to said Miller. Heel-attaching means. 1,782,436; Nov. 25.
- Miller, Charles F., Columbus, Ohio. Stool. 1,762,275; June 10.
- Miller, Charles F., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dump-grate-operating mechanism. 1,762,406; June 10.
- Miller, Charles F., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stoker-grate agitator. 1,760,248; May 27.
- Miller, Charles G., Montclair, N. J.; assignor to American Telephone and Telegraph Company. Signaling system. 1,744,053; Jan. 21.
- Miller, Charles H. (See Kantor, J., and Miller.)
- Miller, Charles H., Collingswood, N. J. Tray. 1,745,805; Feb. 4.
- Miller, Charles H., Detroit, Mich. Button. 1,756,952; May 6.
- Miller, Charles H., York, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Chain fastener. 1,761,676; June 3.
- Miller, Charles J. (See Hooker, G. R., and Miller.)
- Miller, Charles S., Ballinger, Tex. Bit lifter. 1,754,692; Apr. 15.
- Miller, Clarence W. (See Bissell, R. E., and Miller.)
- Miller, Clarence W., and R. E. Bissell, assignors to Thompson Products, Inc., Cleveland, Ohio. Composite metal article and making the same. 1,785,137; Dec. 16.
- Miller, Clarke C., assignor to Standard Oil Company, Whiting, Ind. Apparatus for distilling hydrocarbon oils. 1,786,357; Dec. 23.
- Miller, Claud T., assignor to The Buda Company, Harvey, Ill. Bumping post. 1,746,007; Feb. 4.
- Miller, Claude C. (See Carr, N. R., and Miller.)
- Miller, Clement G., Kansas City, Mo. Dental bridge. 1,774,449; Aug. 26.
- Miller Company, The. (See Doane, Leroy C., assignor.)
- Miller Company, The. (See Megraw, Albert B., assignor.)
- Miller, Constantine G., Chicago, Ill. Electroplating machine. 1,781,791; Nov. 18.
- Miller, Constantine G., and C. F. Cleveland, assignors to The Meaker Co., Chicago, Ill. Continuous automatic cleaning and plating machine. 1,767,253; June 24.
- Miller, Cyrus E., et al. (See Farmer, Thomas A., assignor.)
- Miller, David, Brooklyn, N. Y. Oil-collecting apparatus for dough-dividing machines. 1,771,267; July 22.
- Miller, Don M., assignor to Boiler Equipment Company, Waterloo, Iowa. Flue cleaner. 1,780,435; Nov. 4.
- Miller, Dorothy, Kansas City, Mo. Keyboard and staff reader. 1,768,706; July 1.
- Miller, Dorr, Detroit, Mich. Compensating piston. 1,774,064; Aug. 26.
- Miller, Earl, Kansas City, Kans. Adjustable flagpole. 1,742,481; Jan. 7.
- Miller, Earl B., assignor to Mastercrafts Corporation, Brattleboro, Vt. Automobile heater. 1,753,615; Apr. 8.
- Miller, Earl R., Cleveland, Ohio. Agitator. 1,767,601; June 24.
- Miller, Edgar A., assignor of one-half to C. A. James, Philadelphia, Pa. Reflector. 1,754,900; Apr. 15.
- Miller, Edgar A., and C. A. James, Philadelphia, Pa. Danger-signal device. 1,754,899; Apr. 15.
- Miller, Edward, New York, N. Y., assignor of one-fourth to C. E. Newman, Hasbrouck Heights, N. J. Electrical terminal. 1,771,805; July 29.
- Miller, Edward E., El Paso, Tex., assignor to Sullivan Machinery Company. Rock drill. 1,760,310; May 27.
- Miller, Edward E., Paris, France, assignor to Sullivan Machinery Company. Drilling mechanism. 1,761,357; June 3.
- Miller, Edward F., Manly, Sydney, New South Wales, Australia. Audio amplification valve. 1,742,662; Jan. 7.
- Miller, Edward G., Grand Rapids, Mich. Hot-air furnace. 1,765,439; June 24.
- Miller, Edward G., Grand Rapids, Mich. Air feed for hot-air heating apparatus. 1,765,537; June 24.
- Miller, Edward S. (See Townsend, A. J., and Miller.)
- Miller, Elmer, Boonton, N. J. Heel structure for shoes. 1,783,514; Dec. 2.
- Miller, Elwood H., Elbert County, Colo. Wire-stretching tool. 1,775,207; Sept. 9.
- Miller, Ernest, Saginaw West Side, Mich. Air moistener for internal-combustion engines. 1,783,254; Dec. 2.
- Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Making gels. 1,773,273; Aug. 19.
- Miller, Ernest B., and G. C. Connolly, assignors to The Silica Gel Corporation, Baltimore, Md. Gel and preparing same. 1,772,055; Aug. 5.
- Miller, Ernest B., and G. C. Connolly, assignors to The Silica Gel Corporation, Baltimore, Md. Obtaining a catalytic gel. 1,782,857; Nov. 25.
- Miller, Ernest B., and W. H. Gabeler, Baltimore, Md. Combination refrigerating and water-heating unit. 1,786,861; Dec. 30.
- Miller, Ernest E., David City, Nebr. Vehicle heater. 1,765,933; June 24.
- Miller, Ernest F., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Valve operating mechanism. 1,771,720; July 29.
- Miller, Erwin E., Fullerton, Calif. Expansible piston. 1,773,402; Aug. 19.
- Miller, Eseek C., Newark, N. J. Machine for making annular pieces of candy. 1,755,263; Apr. 22.
- Miller, Felix B., Attleboro, Mass., assignor to W. F. Denney, Philadelphia, Pa. Compact or similar article. Des. 82,718; Dec. 2.
- Miller, Florence R. (See Miller, Philip M., assignor.)
- Miller, Ford S., New Salem, Kans. Clutch mechanism. 1,780,241; Nov. 4.
- Miller, Frank, et al. (See Brost, Charles A., assignor.)
- Miller, Frank A., Aurora, Ill. Power shears. 1,755,511; Apr. 22.
- Miller, Frank E., New York, N. Y. Electrical tone producer with universal audion. 1,782,542; Nov. 25.
- Miller, Frank G., Mount Sterling, Ohio. Condensation-preventing device. 1,779,071; Oct. 21.
- Miller, Frank P., Meadville, Pa. Rotary cutter. 1,747,455; Feb. 18.
- Miller, Frank P., Meadville, Pa. Inserted-blade cutter. 1,756,986; May 6.
- Miller, Frank P., Meadville, Pa. Reamer. 1,765,171; June 17.
- Miller, Frank P., Meadville, Pa. Rotary cutter. 1,765,172; June 17.
- Miller, Frank P., Meadville, Pa. Inserted-blade cutter. 1,768,131; June 24.
- Miller, Frank P., Meadville, Pa. Rotary cutter. 1,768,132; June 24.
- Miller, Frank W., Chicago, Ill. Smoke eliminator. 1,745,579; Feb. 4.
- Miller, Frank W., Chicago, assignor of one-half to I. J. Wilson, Winnetka, Ill. Water softener. 1,783,255; Dec. 2.
- Miller, Fred H. (See Morrow, Harry L., assignor.)
- Miller, Fred J., Appleton, Wis. Hand truck. 1,748,578; Feb. 25.
- Miller, Fred W., Highland Park, Ill. Wrench-display holder. 1,765,496; June 24.
- Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,763,171; June 10.
- Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,763,170; June 10.
- Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Suspension clamp. 1,768,775; July 1.
- Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Suspension clamp. 1,783,543; Dec. 2.
- Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,786,767; Dec. 30.
- Miller, Frederic H., Wilkinsburg, Pa., and R. P. Jackson, Berkeley, Calif., assignors to Westinghouse Electric and Manufacturing Company. Insulator. 1,782,790; Nov. 25.
- Miller, Frederick, et al., administrators. (See Miller, Frederick W.)
- Miller, Frederick B., Scottdale, Pa. Mining machine. 1,766,395; June 24.
- Miller, Frederick C., assignor of one-half to W. H. Warren, Detroit, Mich. Carved veneer for artificial teeth. 1,750,810; Mar. 18.
- Miller, Frederick H., Portland, Oreg. Slicer. 1,778,161; Oct. 14.
- Miller, Frederick W., Hockley Heath, England. Making bimetallic strips for thermostats. 1,751,489; Mar. 25.
- Miller, Frederick W., deceased; Hockley Heath, England, O. Miller, and F. Miller, administrators. Making bimetallic strips, plates, or the like. 1,776,364; Sept. 23.
- Miller, George F., Los Angeles, Calif. Apparatus for spreading fertilizer. 1,766,667; June 24.
- Miller, George H., Milwaukee, Wis., assignor to Metal Forms Corporation, Milwaukee, Wis. Road rail or form. 1,764,028; June 17.
- Miller, George H., assignor to Metal Forms Corporation, Milwaukee, Wis. Curb form. 1,764,029; June 17.
- Miller, George H., Decatur, Ill. Automatic clothesline fastener. 1,786,359; Dec. 23.
- Miller, George J., Douglas, Ariz. Reclaiming rubber. 1,759,017; May 20.
- Miller, George J., Mankato, Minn. Spring-tooth mounting for cultivators. 1,766,396; June 24.
- Miller, George L., assignor to Faries Manufacturing Company, Decatur, Ill. Glass shade. Des. 80,849; Apr. 1.
- Miller, George L., assignor to Faries Manufacturing Company, Decatur, Ill. Glass shade. Des. 80,850; Apr. 1.
- Miller, George L., Boston, Mass. Ligature. 1,757,871; May 6.
- Miller, George W., Rochester, N. Y. Making shoes. 1,757,537; May 6.
- Miller, George W., Wagoner, Okla. Combination awning and shade. 1,760,428; May 27.
- Miller, George W., Wagoner, Okla., assignor of one-fourth to D. L. Lohrenz, Wichita, Kans. Compressed-air water elevator. 1,747,141; Feb. 11.
- Miller, George W., Wichita, Kans. Sun and rain shield. 1,760,429; May 27.
- Miller, George W., Everett, Wash. Fishing lure. 1,770,003; July 8.
- Miller, George W., Sapulpa, Okla. Latch. 1,787,390; Dec. 30.
- Miller, Grover C., South Pasadena, Calif. Agar compound. 1,742,409; Jan. 7.

- Miller, H. C., Company. (See Lotter, Adolph G. assignor.)
- Miller, H. H., Industries Company, The. (See Pfouts, Leroy S., assignor.)
- Miller, H. H., Industries Company, The. (See Thompson, William H., assignor.)
- Miller, Harold A., Ottawa, Ontario, Canada. Drinking-cup dispenser. 1,752,607; Apr. 1.
- Miller, Harry, New York, N. Y. Automatic dispensing apparatus. 1,766,717; June 24.
- Miller, Harry G., Denver, Colo. Driving head for small lathes. 1,786,022; Dec. 23.
- Miller, Harry G., Denver, Colo. Valve-centering device. 1,786,023; Dec. 23.
- Miller, Harry G., Denver, Colo. Commutator turning lathe. 1,786,442; Dec. 30.
- Miller, Harry L., Swarthmore, Pa. Circulation system for barrel heaters. 1,746,438; Feb. 11.
- Miller, Harry L., assignor to Pettibone Mulliken Company, Chicago, Ill. Railway switch structure. 1,785,454; Dec. 16.
- Miller, Harley H., Middletown, Ohio, assignor to The Miami Cabinet Company. Cabinet. 1,768,707; July 1.
- Miller, Henry, Lincoln, Nebr. Garment and seaming therefor. 1,784,942; Dec. 16.
- Miller, Henry, assignor to W. C. Edge Jewelry Co., Newark, N. J. Metallic fabric for jewelry. Des. 81,548; July 8.
- Miller, Henry, and B. B. Betts, St. Louis, Mo.; said Betts assignor to said Miller. Heating device for railroad switches. 1,782,164; Nov. 25.
- Miller, Henry C., Waterford, N. Y. Centralizing mechanism for sewing machines. 1,749,644; Mar. 4.
- Miller, Henry C., Waterford, N. Y. Centralizer for sewing machines. 1,749,956; Mar. 11.
- Miller, Henry C., Waterford, N. Y. Booster. 1,775,071; Sept. 2.
- Miller, Henry C., Waterford, N. Y. Power-control mechanism. 1,777,804; Oct. 7.
- Miller, Henry C., and E. H. Dainton, London, England. Hydraulic jack. 1,759,517; May 20.
- Miller, Henry C., and G. P. Sumner, deceased, London; M. Sumner, executor, Middlesex, England; said M. Sumner, executor, assignor to said Henry C. Miller. Hydraulic jack. 1,759,516; May 20.
- Miller, Henry R., Bernville, assignor of one-half to P. A. Holzman, Tulpehocken, Pa. Time switch. 1,776,519; Sept. 23.
- Miller, Henry W., Miami, Fla. Door holder. 1,768,326; June 24.
- Miller, Herbert F., jr. (See Downs, G. F., and Miller.)
- Miller, Herman. (See Glaudel, George, assignor.)
- Miller, Homer C., Akron, Ohio. Door opening and closing mechanism. 1,769,185; July 1.
- Miller, Ira A., Ashford, Wash. Peavy. 1,777,322; Oct. 7.
- Miller, J. E. (See Ward, Joseph, assignor.)
- Miller, James B., St. Louis, Mo., assignor to The American Mine Door Co., Canton, Ohio. Apparatus for rock-dusting mines. 1,764,113; June 17.
- Miller, James G., Lone Pine, and A. C. Houghton, Bartlett, Calif. Treating natural alkaline waters or brines to obtain therefrom commercially-useful substances. 1,759,361; May 20.
- Miller, James L., assignor to Rex Research Corporation, Toledo, Ohio. Cleaner-set package. 1,780,268; Nov. 4.
- Miller, James R., assignor to Miller Oil Purifier Company, Pittsburgh, Pa. Apparatus for reclaiming oil. 1,771,684; July 29.
- Miller, Jerome J., and W. Platt, Chadron, Nebr. Power coaster. 1,750,187; Mar. 11.
- Miller, Jesse P., Houma, La., assignor of one-half to J. H. Thatcher. Drill bit. 1,783,580; Dec. 2.
- Miller, John A., Nazareth, Pa., and E. P. Newhard, Kingsport, Tenn. Producing ground raw material for Portland cement manufacture. 1,784,462; Dec. 9.
- Miller, John C., Chicago, Ill. Apparatus for cleaning out conduits and the like. 1,780,436; Nov. 4.
- Miller, John C., Chicago, Ill. Apparatus for cleaning out drain pipes. 1,783,256; Dec. 2.
- Miller, John G. (See Primas, Alexander, assignor.)
- Miller, John H., Oak Park, assignor to Jewell Electrical Instrument Company, Chicago, Ill. Radio-tube-testing instrument. 1,748,847; Feb. 25.
- Miller, John H., Oak Park, assignor to Jewell Electrical Instrument Company, Chicago, Ill. Thermionic-valve-testing instrument. 1,771,504; July 29.
- Miller, John H., Oak Park, assignor to Jewell Electrical Instrument Co., Chicago, Ill. Electrical measuring instrument. 1,776,793; Sept. 30.
- Miller, John M., Philadelphia, Pa. Piezo-electric oscillation generator. 1,756,000; Apr. 22.
- Miller, John M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Volume control. 1,779,777; Oct. 28.
- Miller, John S., jr., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Manufacture of bituminous emulsions. 1,752,449; Apr. 1.
- Miller, John S., jr., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Pavement marking. 1,773,111; Aug. 19.
- Miller, John T., and M. Hanley, Chicago, Ill. Gong. 1,765,768; June 24.
- Miller, John W., assignor to H. Clavir, Toronto, Ontario, Canada. Marksmanship-indicating apparatus. 1,776,816; Sept. 30.
- Miller, Joseph E., Fort Wayne, Ind. Roller attachment for vehicles. 1,774,656; Sept. 2.
- Miller, Joseph E., Elmhurst, Ill. Vibrator for molds. 1,774,896; Sept. 2.
- Miller, Joseph H., Houston, Tex. Dispensing can. 1,763,316; June 10.
- Miller, Kenneth W., Chicago, Ill., assignor, by mesne assignments, to General Cable Corporation. Joint for oil-filled cables and building it. 1,776,127; Sept. 16.
- Miller, Laurence E. (See Watson, J. A., and Miller.)
- Miller, Lawrence P., Philadelphia, Pa. Resilient wheel. 1,753,527; Apr. 8.
- Miller, Leon P., et al. (See Erhart, Julius P., assignor.)
- Miller, Louis G., Bethlehem, Pa., assignor to Bethlehem Steel Company. Brake-beam fourth-point support and safety device for clasp brakes. 1,780,030; Oct. 28.
- Miller Manufacturing Company. (See Bethke, Leo, assignor.)
- Miller, Max C., Cumberland, R. I. Knitting machine. 1,742,925; Jan. 7.
- Miller, Max C., Cumberland, R. I. Knitting machine. 1,744,789; Jan. 28.
- Miller, Max C., Cumberland, R. I. Yarn-feeding mechanism for knitting machines. 1,745,943; Feb. 4.
- Miller, Max C., Cumberland, R. I. Needle bed and producing the same. 1,779,554; Oct. 28.
- Miller, Max C., Cumberland, R. I. Knitting machine. 1,786,255; Dec. 23.
- Miller, Max E., Paducah, Ky. Apparatus for cutting and printing veneer. 1,776,977; Sept. 30.
- Miller, Max R. L., Wilmington, Calif. Apparatus for treating asphaltic oils for the production of asphalt. 1,766,446; June 24.
- Miller, Monroe E., Washington, D. C. Dipper for semi-solid materials. 1,760,561; May 27.
- Miller, Monroe E., Washington, D. C. Dipper for semi-solid materials. 1,760,562; May 27.
- Miller, Monroe E., Washington, D. C., assignor, by mesne assignments, to Union Simplex Train Control Co., Inc. Run-down and reset locomotive-control apparatus. 1,754,901; Apr. 15.
- Miller, Morris, East Orange, assignor to Simon Miller & Co., Newark, N. J. Bracelet clasp. 1,783,743; Dec. 2.
- Miller, Ned O., Amarillo, Tex. Drilling wells in gas formations. 1,753,440; Apr. 8.
- Miller, O. A., Treeing Machine Company. (See Hansen, John S., assignor.)
- Miller, Ohmer R., Floral Park, N. Y., and E. D. Mead, Caldwell, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electropolarized relay. 1,763,172; June 10.
- Miller Oil Purifier Company. (See Miller, James R., assignor.)
- Miller, Olive, et al., administrators. (See Miller, Frederick, W.)
- Miller, Oscar, Spokane, Wash. Hog house and pen. 1,751,834; Mar. 25.
- Miller, Otto A., Buffalo, N. Y. Cutter and shaper head. 1,745,701; Feb. 4.
- Miller, Otto C., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,787,391; Dec. 30.
- Miller, Paul R., New York, N. Y., assignor to Theo. J. Lapres, Inc., Atlantic City, N. J. Carton. Des. 82,755; Dec. 9.
- Miller, Philip M., assignor to F. R. Miller, Brooklyn, N. Y. Manual syringe. 1,766,668; June 24.
- Miller, Ralph, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oil scraper. 1,770,142; July 8.
- Miller, Ralph M., et al. (See Erhart, Julius P., assignor.)
- Miller, Richard B., Brooklyn, N. Y., assignor to R. E. H., Incorporated. Wheel rim. 1,771,227; July 22.
- Miller, Robert, Brooklyn, N. Y. Display and merchandising system. 1,753,663; Apr. 8.
- Miller Rubber Company, The. (See Allensworth, Fred L., assignor.)
- Miller Rubber Company, The. (See Brice, Roy C., assignor.)
- Miller Rubber Company, The. (See Brucker, Ferdinand F., assignor.)
- Miller Rubber Company Inc. (See Collins, Arthur E., assignor.)
- Miller Rubber Company, The. (See Fenton, Frank, assignor.)
- Miller Rubber Company, The. (See Griffiths, Richard T., assignor.)
- Miller Rubber Company, The. (See Henderson, Kirby T., assignor.)
- Miller Rubber Co., The. (See Hodgson, John W., assignor.)
- Miller Rubber Company, The. (See Hooper, Ted F., assignor.)
- Miller Rubber Company, Inc., The. (See Riley, Ralph E., assignor.)
- Miller Rubber Company, The. (See Smith, Albert G., assignor.)
- Miller Rubber Company, The. (See Steele, Charles W., assignor.)
- Miller Rubber Co., The. (See Titton, Joseph E., assignor.)
- Miller Rubber Company, The. (See Welmer, Roy B., assignor.)
- Miller, Rudolph, Detroit, Mich. Spotlight-adjusting mechanism. 1,775,436; Sept. 9.

- Miller, Rudolph, assignor, by mesne assignments, to Bohn Aluminum & Brass Corporation, Detroit, Mich. Radiator-cap construction. 1,781,878; Nov. 18.
- Miller, Samuel C., New York, N. Y. Luminescent-tube lamp. 1,775,685; Sept. 16.
- Miller, Samuel W., Hollis, N. Y., assignor, by mesne assignments, to The Oxweld Railroad Service Company. Producing impact-resisting railroad rails. 1,745,806; Feb. 4.
- Miller Saw-Trimner Company. (See Upham, Burt F., assignor.)
- Miller, Sherman, Schenectady, N. Y. Locomotive cylinder and associated parts and manufacturing the same. 1,767,005; June 24.
- Miller, Simon, & Co. (See Miller, Morris, assignor.)
- Miller, Simon, & Co. (See Spatschil, Charles, assignor.)
- Miller, Stephen J., Danbury, Conn. Hat-brim-curling machine. 1,762,557; June 10.
- Miller, Stuart P., Philadelphia, Pa., assignor to The Barrett Company. Can-closing device. 1,744,487; Jan. 21.
- Miller, Stuart P., Philadelphia, Pa., assignor to The Barrett Company. Process of and apparatus for polymerizing oils. 1,752,921; Apr. 1.
- Miller, Stuart P., Philadelphia, Pa., assignor to The Barrett Company. Sulphur and resin compound. 1,782,693; Nov. 25.
- Miller, Stuart P., Philadelphia, Pa., assignor to The Barrett Company. Flotation material and making same. 1,785,742; Dec. 23.
- Miller, Swift. (See Van Valkenburg, H. L., and Miller.)
- Miller, Theodore A. (See Fleiter, A. J., Bostwick, and Miller.)
- Miller, Theodore C., Brooklyn, N. Y. Coffee-making apparatus. 1,767,544; June 24.
- Miller, Theodore J., El Campo, Tex. Oil-well delivery apparatus. 1,751,347; Mar. 18.
- Miller, Thomas J. (See Sibson, W. W., and Miller.)
- Miller, Thomas S., South Orange, N. J. Tension engine. 1,742,482; Jan. 7.
- Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Nipple. 1,742,778; Jan. 7.
- Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Sponge rubber. 1,778,270; Oct. 14.
- Miller Train Control Corporation, The. (See Rice, Philip X., assignor.)
- Miller, Walter, Ponca City, Okla., assignor to The Gray Processes Corporation, Newark, N. J. Apparatus for contacting vapors with solids. 1,761,270; June 3.
- Miller, Walter, assignor, by mesne assignments, to Continental Oil Company, Ponca City, Okla. Apparatus for cracking hydrocarbons. 1,785,042; Dec. 16.
- Miller, Walter F., Freehold, N. J., assignor to A. & M. Karageusian, Inc., New York, N. Y. Pile fabric. 1,787,051; Dec. 30.
- Miller, Wilber B., Flushing, N. Y., assignor to Oxweld Acetylene Company. Welding. 1,754,566; Apr. 15.
- Miller, Wilber B., Flushing, N. Y., assignor to Electro Metallurgical Company. Welding rod. 1,762,482; June 10.
- Miller, Wilber B., Flushing, and A. R. Lytle, Elmhurst, N. Y., assignors to Oxweld Acetylene Co. Flux. 1,748,785; Feb. 25.
- Miller, William, Dunston-on-Tyne, England. Roller clutch. 1,760,708; May 27.
- Miller, William, Dunston-on-Tyne, England. Roller clutch. 1,760,709; May 27.
- Miller, William, Dunston-on-Tyne, England. Roller clutch. 1,760,765; May 27.
- Miller, William, Rivtville, Wash. Door-opening device. 1,784,374; Dec. 9.
- Miller, William A. (See Eames, Kenneth R., assignor.)
- Miller, William A., Lorain, assignor of three-eighths to A. C. Ryan and three-eighths to A. A. Bartlett, Lakewood, Ohio. Unloading device. 1,758,457; May 13.
- Miller, William E., R. J. Shinn, and C. S. Grove, Hickory, N. C. Cotton picker. 1,780,497; Nov. 4.
- Miller, William G., Cumberland, Md. Hatchet. 1,757,538; May 6.
- Miller, William G., assignor to The R. C. Mahon Company, Detroit, Mich. Oven-door bumper. 1,776,005; Sept. 16.
- Miller, William G., assignor to The R. C. Mahon Company, Detroit, Mich. Oven construction. 1,780,269; Nov. 4.
- Miller, William H., Fairbank, Iowa. Stock-feeding trough. 1,759,131; May 20.
- Miller, William J., Swissvale, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for producing mold charges. Re17,761; Aug. 5.
- Miller, William J., Swissvale, Pa. Jigger for use in the manufacture of articles from plastic materials. 1,750,762; Mar. 18.
- Miller, William J., Swissvale, Pa. Automatic means for turning and finishing ware in the manufacture of pottery. 1,751,049; Mar. 18.
- Miller, William J., Swissvale, Pa. Machine for use in the manufacture of pottery ware. 1,757,132; May 6.
- Miller, William J., Swissvale, Pa. Automatic safety device for pottery machines. 1,758,084; May 13.
- Miller, William J., Swissvale, Pa. Producing pottery. 1,759,058; May 20.
- Miller, William J., Swissvale, Pa. Pottery-forming machine. 1,762,236; June 10.
- Miller, William J., Swissvale, Pa. Automatic profile, trimmer, and jigger combined. 1,769,527; July 1.
- Miller, William J., Swissvale, Pa. Feeding and forming plastic material in the manufacture of pottery. 1,769,528; July 1.
- Miller, William J., Swissvale, Pa. Method of and apparatus for feeding and forming plastic material in the manufacture of pottery. 1,769,529; July 1.
- Miller, William J., Swissvale, Pa. Apparatus for feeding and forming plastic material in the manufacture of pottery. 1,769,530; July 1.
- Miller, William J., Swissvale, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Cam structure. 1,773,539; Aug. 19.
- Miller, William J., Swissvale, Pa. Tray for pottery-fabricating apparatus. 1,783,197; Dec. 2.
- Miller, William J., Swissvale, Pa. Pottery mold and making the same. 1,784,373; Dec. 9.
- Miller, William J., Sulphur, La. Automatic release spear. 1,776,737; Sept. 23.
- Miller, William J., Sulphur, La. Automatic resetting spear. 1,785,590; Dec. 16.
- Miller, William L., Winona, Minn. Machine and method for forming mineral-wool bats. 1,765,025; June 17.
- Miller, William L., Winona, Minn. Making mineral or rock wool bats. 1,765,026; June 17.
- Miller, William L., Winona, Minn. Machine for making mineral or rock wool bat. 1,774,393; Aug. 26.
- Miller, William T., Bethlehem, Pa., assignor to Bethlehem Steel Company. Rolling metal. 1,749,671; Mar. 4.
- Miller, Willoughby S., Reading, Pa. Damper. 1,749,498; Mar. 4.
- Millers Falls Company. (See Leland, John A., assignor.)
- Millers Falls Company. (See McCue, Felix F., assignor.)
- Millers Falls Company. (See Swain, D. B., and Ryther, assignors.)
- Millett, John E., assignor to American Fibre Corporation, Gardner, Mass. Twisting machine. 1,766,222; June 24.
- Millett, John E., and G. E. Nordstrom, assignors to American Fibre Corporation, Gardner, Mass. Method of and mechanism for weaving stake fabric. 1,766,223; June 24.
- Millham, Christian C., Beloit, Wis. Wire pliers. 1,760,368; May 27.
- Millholland, James H., Philadelphia, Pa., assignor to Sandura Company, Inc., Paulsboro, N. J. Continuous-roll label. 1,752,535; Apr. 1.
- Millican, James A., Detroit, Mich. Treating leather and apparatus therefor. 1,773,493; Aug. 19.
- Millican, James A., Winchester, Mass. Setting out leather. 1,773,494; Aug. 19.
- Millie Patent Holding Co. (See Hirschhorn, Benjamin, assignor.)
- Millie Patent Holding Co. (See Mitchell, William K., assignor.)
- Millie Patent Holding Co. (See Witt, George N., assignor.)
- Milligan, Charles H. (See Bradner, D. B., and Milligan.)
- Millikan, Robert A., Chicago, Ill. Electrical power-transmitting system. 1,764,273; June 17.
- Millikan, Robert A., and R. W. Sorensen, assignors to California Institute of Technology, Pasadena, Calif. Conditioning electric switches. 1,784,302; Dec. 9.
- Millikan, Robert A., and R. W. Sorensen, assignors to California Institute of Technology, Pasadena, Calif. Alternating-power current interrupter. 1,784,303; Dec. 9.
- Milliken, Harry M., Cheboygan, assignor of one-half to Petoskey Engineering Company, Petoskey, Mich. Land anchor. 1,775,317; Sept. 9.
- Milliken, Humphreys, Montreal, Quebec, Canada. Circuit breaker. 1,756,374; Apr. 29.
- Millington, Arthur E., San Francisco, Calif., assignor to Fir-Tex Insulating Board Co. Manufacture of artificial timber and the like. 1,742,410; Jan. 7.
- Million, Morris, Brooklyn, N. Y. Lollipop machine. 1,756,375; Apr. 29.
- Millis, Phineas A., and M. Johnson, Uuxbridge, Mass. Self-threading loom shuttle. 1,761,989; June 3.
- Millman, Charles H. (See Pochin, F. H., and Millman.)
- Millman, David H., New York, N. Y. Bust supporter. 1,753,996; Apr. 8.
- Millman, Harry. (See Sullivan, D. A., and Millman.)
- Millmather, Ernest, Providence, R. I. Aerating apparatus. 1,775,942; Sept. 16.
- Millmine, Herbert W., Houston, Tex. Pump piston. 1,773,629; Aug. 19.
- Millring, Edwin R., Newark, N. J., assignor to American Machine & Foundry Company. Protecting metal-coating baths and composition therefor. Re17,722; July 8.
- Millring, Edwin R., New York, N. Y., assignor to American Machine & Foundry Company. Coating metals. 1,760,603; May 27.
- Mills, Albert W., East Orange, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Printing mechanism. 1,757,133; May 6.
- Mills, Alex. (See Boykin, Robert O., assignor.)
- Mills Alloys Inc. (See Mills, Oscar L., assignor.)
- Mills, Bert E., Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill. Adjustable tremolo device. 1,750,325; Mar. 11.
- Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Music-roll-correcting machine. 1,772,632; Aug. 12.
- Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Volume-controlling device for automatic phonographs or the like. 1,780,437; Nov. 4.

- Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Change-key switch for music-reproducing machines. 1,786,441; Dec. 30.
- Mills, Bertram M., assignor to The Standard Engineering Works, Pawtucket, R. I. Humidifier casing. Des. 82,686; Dec. 2.
- Mills, Brighton. (See Kelly, Timothy J., assignor.)
- Mills, Chester B., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Ship's whistle. 1,753,155; Apr. 1.
- Mills, Chester B., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro-compass reversing contact. 1,782,048; Nov. 18.
- Mills, Elby R. (See Mills, Perley B. and E. R.)
- Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Vending machine. 1,752,750; Apr. 1.
- Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Coin-controlled vending machine. 1,767,602; June 24.
- Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Control device for coin-operated machines. 1,767,603; June 24.
- Mills, George F., Michigan City, Ind., assignor to Sullivan Machinery Company. Forging machine. 1,760,311; May 27.
- Mills, George I., Springfield, Mo. Waste receptacle. 1,773,927; Aug. 26.
- Mills, Harry A., and R. A. Mauk, Grand Rapids, Mich. Car-loading device. 1,778,162; Oct. 14.
- Mills, Harry P., Toronto, Ontario, Canada, assignor to Bakelite Corporation, New York, N. Y. Ornamental molded article and making the same. 1,742,516; Jan. 7.
- Mills, John B., and F. O. Gray, assignors to Ohmer Fare Register Company, Dayton, Ohio. Odometer drive. 1,748,786; Feb. 25.
- Mills, John B., and F. O. Gray, assignors to Ohmer Fare Register Company, Dayton, Ohio. Odometer drive. 1,752,019; Mar. 25.
- Mills, John W. (See Muirhead, J. R., and Mills.)
- Mills, Louis D., Palo Alto, assignor to The Merrill Company, San Francisco, Calif. Apparatus for removing gases from liquids. 1,767,006; June 24.
- Mills Novelty Company. (See Mills, Bert E., assignor.)
- Mills Novelty Company. (See Mills, Fred L., assignor.)
- Mills Novelty Company. (See Radtke, Bruno, assignor.)
- Mills Novelty Company. (See Walker, Harry, assignor.)
- Mills, Oscar L., assignor to Mills Alloys Inc., Los Angeles, Calif. Electric-arc-furnace electrode holder. 1,775,437; Sept. 9.
- Mills, Perley B. and E. R., Sabin, Ohio. Computing meter. 1,766,184; June 24.
- Mills, Robert L., Greensport, N. Y. Airplane hangar. 1,777,376; Oct. 7.
- Mills, Theodore H., Fresno, Calif., assignor of one-half to The Guiberson Corporation, Dallas, Tex. Tongs. 1,764,221; June 17.
- Mills, Thomas H., Providence, R. I. Coffee-urn device. 1,750,239; Mar. 11.
- Mills, Walter C., Wabash, Ind. Exercising device. 1,771,965; July 29.
- Millsap, Robert E., Jersey City, N. J. Knife sharpener. 1,767,091; June 24.
- Millspaugh, William H., assignor to The Paper and Textile Machinery Company, Sandusky, Ohio. Paper-machine drier. 1,745,685; Feb. 4.
- Millspaugh, William H., assignor to The Paper and Textile Machinery Co., Sandusky, Ohio. Manufacture of reinforced paper and the like. 1,748,360; Feb. 25.
- Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Vat for paper-making machines. 1,753,800; Apr. 8.
- Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Paper-making machine. 1,758,167; May 13.
- Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Paper-making machine. 1,783,969; Dec. 9.
- Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Paper-making machine. 1,783,970; Dec. 9.
- Milne, Staats E., St. Louis, Mo. Auxiliary fuel tank for motor vehicles. 1,745,179; Jan. 28.
- Milne, Stuart M., Seattle, Wash. Wear-indicating apparatus. 1,753,575; Apr. 8.
- Milner, Henry K., Birmingham, Ala., assignor to M. K. Moore, Charleston, S. C. Grate. 1,786,358; Dec. 23.
- Milner, Robert D. (See Schofield, W. R., jr., and Milner.)
- Milnor, Joseph W., assignor to The Western Union Telegraph Company, New York, N. Y. Measuring resistance of ground connections. 1,775,686; Sept. 16.
- Milnor, Joseph W., Maplewood, and F. B. Bramhall, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Measuring the efficiency of telegraph transmission. 1,775,687; Sept. 16.
- Milnor, Joseph W., Maplewood, and W. D. Cannon, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Duplex telegraph system. 1,766,919; June 24.
- Milnor, Joseph W., Maplewood, and W. D. Cannon, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Duplex telegraph system. 1,773,371; Aug. 19.
- Milnor, Joseph W., Maplewood, N. J., and C. H. Cramer, Little Neck Park, assignors to The Western Union Telegraph Company, New York, N. Y. Reducing interference in submarine cables. 1,773,370; Aug. 19.
- Milo Manufacturing Co. (See Stinson, B., Schmidt, and Milovich, assignors.)
- Milone, Louis J., Newark, N. J., assignor to Orange Screen Company, Maplewood, N. J. Forming frames for metallic screens. 1,772,780; Aug. 12.
- Milos, Zivko, and K. Markovich, Detroit, Mich. Brush for bottle-washing machines. 1,748,241; Feb. 25.
- Milovich, Michael. (See Stinson, B., Schmidt, and Milovich.)
- Milovich, Solomon. (See Stinson, B., Schmidt, and Milovich.)
- Milstein, Lena. (See Milstein, Victor, assignor.)
- Milstein, Victor, assignor to L. Milstein, New York, N. Y. Canopy for cars. 1,770,084; July 8.
- Milton, Alonzo. (See Weems, C. H., and Milton.)
- Milton, Montague V., Toronto, Ontario, Canada. Boiler construction. 1,745,308; Jan. 28.
- Milton Ralph I., New York, N. Y. Book cover. 1,773,742; Aug. 26.
- Milton, Robert L., St. Paul, Minn. Vehicle-brake mechanism. 1,745,552; Feb. 4.
- Milton, Thomas W., East St. Louis, Ill. Coin-testing apparatus. 1,780,031; Oct. 28.
- Milwaukee Air Power Pump Co. (See Rogers, H. S., and Raddatz, assignors.)
- Milwaukee Corrugating Company. (See Schmieder, Robert S., assignor.)
- Milwaukee Electric Crane & Manufacturing Company. (See Hoffman, George R., assignor.)
- Milwaukee Gas Specialty Company. (See Leins, Oscar J., assignor.)
- Milwaukee Power Lawn Mower Company. (See Slonneger, John C., assignor.)
- Milwaukee Stamping Company. (See Birbaum, Joseph, assignor.)
- Milwaukee Tanning & Clothing Company. (See Knoernschild, William C., assignor.)
- Milwaukee Valve Company. (See Sweet, Joseph, assignor.)
- Minaeff, Michael G., Brooklyn, assignor to The Larver Corporation, New York, N. Y. Mothproofing material. 1,748,579; Feb. 25.
- Minaeff, Michael G., Brooklyn, assignor to The Larver Corporation, New York, N. Y. Mothproofing. 1,748,580; Feb. 25.
- Minami, Kamekichi, Los Angeles, Calif. Blade-sharpening device for lawn mowers. 1,756,162; Apr. 29.
- Minarik, Stephen. (See Kocourek, W., and Minarik.)
- Mine Safety Appliance Company. (See Dotter, Arthur L., assignor.)
- Mine & Smelter Supply Company, The. (See Wells, Sidney D., assignor.)
- Miner, Anson W., assignor to The Waterbury Brass Goods Corporation, Waterbury, Conn. Lip-stick or like container. 1,772,221; Aug. 5.
- Miner, Arlow W., Sioux City, Iowa. Carton. 1,775,863; Sept. 16.
- Miner, Carl S., assignor to The Quaker Oats Company, Chicago, Ill. Dye solution. 1,760,076; May 27.
- Miner, Claude G., Berkeley, Calif. Producing anhydrous aluminum halide from a double halide of aluminum and ammonium. 1,754,797; Apr. 15.
- Miner, George A., Glen Rock, N. J., assignor to United Shoe Machinery Corporation, Boston, Mass. Insole, shoe, and making the same. 1,743,228; Jan. 14.
- Miner, Howard, and D. Grant, Toronto, Ohio, assignors to Follansbee Brothers Company, Pittsburgh, Pa. Conveyor. 1,754,798; Apr. 15.
- Miner, James H., Meridian, Miss. Stalk cutter. 1,753,899; Apr. 8.
- Miner, W. H., Inc. (See Brenne, Arild M., assignor.)
- Miner, W. H., Inc. (See Dath, Charles E., assignor.)
- Miner, W. H., Inc. (See Gelger, William A., assignor.)
- Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
- Miner, W. H., Inc. (See Johnson, George A., assignor.)
- Miner, W. H., Inc. (See Johnson, G. A., and Haseltine, assignors.)
- Miner, W. H., Inc. (See Lehman, Edward H., assignor.)
- Miner, W. H., Inc. (See Lewis, Goodrich Q., assignor.)
- Miner, W. H., Inc. (See Lounsbury, Harvey J., assignor.)
- Miner, W. H., Inc. (See Miner, William H., assignor.)
- Miner, W. H., Inc. (See O'Connor, John F., assignor.)
- Miner, W. H., Inc. (See Olander, Roland J., assignor.)
- Miner, W. H., Inc. (See Schulz, Ernest R., assignor.)
- Miner, W. H., Inc. (See Wear, Tandy R., assignor.)
- Miner, W. H., Inc. (See Zweibel, Charles A., assignor.)
- Miner, William H., Chazy, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,755,405; Apr. 22.
- Miner, William H., Chazy, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,780,358; Nov. 4.
- Mineral Oil Products Company. (See Bogardus, Arthur G., assignor.)
- Minerals Separation North American Corporation. (See Littleford, John W., assignor.)
- Minerals Separation North American Corporation. (See Trotter, W., and Wilkinson, assignors.)
- Min-Et Products, Inc. (See Lacey, Robert F., F. J., C. R., and P. H., assignors.)
- Minett, Wilfrid T. (See Gouldbourn, J., and Minett.)

- Minett, Wilfrid T., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt grooving and beveling machine. 1,777,323; Oct. 7.
- Mingus, Clem F., Oakland, Calif. Shoe-cleaning support. 1,768,133; June 24.
- Mingus, Leslie C., I. L. Dunn, and H. S. Crooks, assignors to Air Lift Development Corporation, Tulsa, Okla. Air-lift control. 1,748,361; Feb. 25.
- Mini, Enrico, Brooklyn, N. Y. Window construction. 1,748,493; Feb. 25.
- Minich, Verne E. (See Wilhelm, Harold F., assignor.)
- Minikhiem, George F., Syracuse, N. Y. Lawn-trimming device. 1,784,022; Dec. 9.
- Minimax A.-G., et al. (See Thiecke, Julius, assignor.)
- Minimax Act.-Ges. (See Herdemerten, Carl, assignor.)
- Minium, Abram E., assignor of one-half to G. J. Ornauer, T. E. Syman, and W. J. Heath, Denver, Colo. Brake mechanism. 1,785,203; Dec. 16.
- Mink, Daniel N., Fresno, Calif. Gun-discharging means. 1,759,132; May 20.
- Minke, Raleigh, assignor to The Vacuum Casting Company, Toledo, Ohio. Mold and filling the same. 1,774,104; Aug. 26.
- Minkove, Joseph S., and A. Lassen, Seattle, Wash. Dust-mop cleaner. 1,742,612; Jan. 7.
- Minneapolis Engineering Company. (See Mummé, Ernest A., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Cunningham, Lewis L., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Cyr, Benjamin, assignor.)
- Minneapolis-Honeywell Regulator Company. (See Denison, Frederick S., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Sweatt, Harold W., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Sweatt, H. W., and Denison, assignors.)
- Minneapolis-Honeywell Regulator Company. (See Taylor, Daniel G., assignor.)
- Minneapolis-Moline Power Implement Company. (See Boda, Joseph E., assignor.)
- Minneapolis-Moline Power Implement Company. (See Orelind, John R., assignor.)
- Minneapolis-Moline Power Implement Company. (See Seaholm, John P., assignor.)
- Minnesota Mining & Manufacturing Company. (See Behr, Gustave E., jr., assignor.)
- Minnesota Mining & Manufacturing Company. (See Carlton, Richard P., assignor.)
- Minnesota Mining & Manufacturing Company. (See Drew, Richard G., assignor.)
- Minnesota Mining & Manufacturing Company. (See Farrell, Frederick W., assignor.)
- Minnesota Mining & Manufacturing Company. (See Okie, Francis G., assignor.)
- Minnich, Willi, Hamburg, Germany, assignor to Kroger & Co., Altona-Bahrenfeld, Germany. Device for spraying cosmetics and other liquids. 1,769,748; July 1.
- Minnick, Frederick L., assignor to West Coast Manufacturing Company, Spokane, Wash. Piston. 1,779,555; Oct. 28.
- Minnick, Howard B., Chicago, Ill. Mounting for advertising plaques. 1,755,222; Apr. 22.
- Minnier, Charles F., deceased, and B. M. Daniel; said Daniel assignor to said Minnier; Central Trust Company, executor, Harrisburg, Pa. Feed finger. 1,760,860; May 27.
- Minnium, Byron B., assignor to W. H. Huth, Chicago, Ill. Radio receiving apparatus. 1,744,326; Jan. 21.
- Minnium, Byron B., assignor, by mesne assignments, to Story & Clark Radio Corp., Chicago, Ill. Radio receiving apparatus. 1,751,706; Mar. 25.
- Minnium, Byron B., assignor, by mesne assignments, to Story & Clark Radio Corp., Chicago, Ill. Radio tuning means. 1,760,162; May 27.
- Minnium, Byron B., assignor, by mesne assignments, to Story & Clark Radio Corp., Chicago, Ill. Radio receiving apparatus. 1,762,186; June 10.
- Minnium, Byron B., assignor, by mesne assignments, to Story & Clark Radio Corp., Chicago, Ill. Thermionic amplifier system. 1,765,603; June 24.
- Minor, Burt S., assignor to Regan Forge and Engineering Company, San Pedro, Calif. Lubricating device for cables. 1,757,539; May 6.
- Minor, Henry R., Ossining, N. Y., assignor, by mesne assignments, to Industrial Process Corporation. Method of and apparatus for curing molded rubber articles. 1,746,357; Feb. 11.
- Minor, Henry R., Ossining, N. Y., assignor, by mesne assignments, to The Liquid Carbonic Corporation. Method of and apparatus for curing rubber articles by the circulation of heated gases. 1,757,053; May 6.
- Minor, Henry R., Ossining, assignor, by mesne assignments, to Walter Kidde & Company, Inc., New York, N. Y. Fire extinguisher. 1,760,274; May 27.
- Minshall, Robert J., assignor to Boeing Airplane Company, Seattle, Wash. Combination brake and rudder pedal for aircraft. 1,746,008; Feb. 4.
- Minshall, Robert J., assignor to Boeing Airplane Company, Seattle, Wash. Shock-absorbing landing hook. 1,749,438; Mar. 4.
- Minshall, Robert J., assignor to Boeing Airplane Company, Seattle, Wash. Landing hook for aircraft. 1,760,881; June 3.
- Minter, Charles R., Gordon, Ga. Bedstead and bed bottom. 1,760,766; May 27.
- Minter Homes Corporation. (See Eversole, William K., assignor.)
- Minton, Donna E., and S. H. Gallagher, Parsons, Kans. Burial crypt. 1,768,369; June 24.
- Minton, Donna E., and S. H. Gallagher, Parsons, Kans. Concrete burial vault. 1,778,367; Oct. 14.
- Minton, John P., White Plains, and A. S. Ringel, Brooklyn, N. Y., assignors to Radio Corporation of America. Electroacoustic device. 1,750,900; Mar. 18.
- Minton, John P., White Plains, and A. S. Ringel, Brooklyn, N. Y., assignors to Radio Corporation of America. Electroacoustic device. 1,770,491; July 15.
- Minton, Robert B. (See Hinkle, James M., assignor.)
- Minturn, Barton L. (See Kette, F. J., and Minturn.)
- Mintz, Harry, Dorchester, Mass. Connecting means for couch frames or the like. 1,746,900; Feb. 11.
- Minute Electric Broiler. (See Galer, Robert E., assignor.)
- Miquelon, Pantaleon E., Chicago, Ill. Pressure-controlled liquid-level gauge. 1,771,646; July 29.
- Miquet, Louis E., Neuilly, France. Lock. 1,783,971; Dec. 9.
- Miraclean Company, The. (See Gaume, Lewis E., assignor.)
- Mirfield, George E., Youngstown, Ohio. Machine for milling threads. 1,745,034; Jan. 28.
- Mirfield, George E., Youngstown, Ohio. Machine for milling threads. 1,745,035; Jan. 28.
- Mirfield, George E., Youngstown, Ohio. Machine for milling threads. 1,745,036; Jan. 28.
- Mirfield, Theon N., Toorak, assignor of one-half to H. J. West, Sydney, Australia. Pitch indicator for musical instruments. 1,742,869; Jan. 7.
- Mirick, Carlos B., Washington, D. C. Remote control device. 1,743,078; Jan. 7.
- Mirick, Carlos B., assignor to National Electrical Supply Company, Washington, D. C. Temperature-regulation system for frequency control or stabilizing apparatus. 1,746,125; Feb. 4.
- Mirick, Carlos B., assignor to National Electrical Supply Company, Washington, D. C. Antenna weight. 1,783,299; Dec. 2.
- Miriello, George, Bronx, N. Y. Scissors. 1,783,853; Dec. 2.
- Mirosav, Samuel J., Dallas, Tex. House-number plate. Des. 80,449; Feb. 4.
- Mirrieles, James F., assignor to The Avey Drilling Machine Co., Cincinnati, Ohio. Drilling machine. 1,760,430; May 27.
- Mirror Display Co., The. (See Smith, Le Roy W., assignor.)
- Mirzan, Richard A., assignor to American Bolt Anchor Corporation, Syracuse, N. Y. Anchoring bolts. 1,755,264; Apr. 22.
- Mischler, William N., Schenectady, N. Y., assignor to General Electric Company. Connection for electric conductors. 1,745,180; Jan. 28.
- Mischler, William N., Scotia, N. Y., assignor to General Electric Company. Arrangement for mounting filaments. 1,745,181; Jan. 28.
- Mishaw, Egbert W., assignor to The Safety Dry Cleaning System Company, Philadelphia, Pa. Dry-cleaning apparatus. 1,776,190; Sept. 16.
- Mishawaka Rubber and Woolen Manufacturing Company. (See Blair, George W., assignor.)
- Mishawaka Rubber and Woolen Manufacturing Company. (See Ferrettie, C., and Blair, assignors.)
- Mishawaka Rubber and Woolen Manufacturing Company. (See Van Dinter, George L., assignor.)
- Mishawaka Rubber and Woolen Manufacturing Company. (See Van Dinter, G. L., and Ferrettie, assignors.)
- Mishawaka Rubber & Woolen Manufacturing Company. (See Winterhalter, Martin, assignor.)
- Mishel, Rolick. (See Shiffman, J., and Mishel.)
- Misiak, Joseph T., Chicago, Ill. Dispensing device. 1,778,767; Oct. 21.
- Miskella, William J., Oak Park, Ill. Color guide. 1,764,083; June 17.
- Mislin, Karl J., Kansas City, Mo. Shoe-string fastener. 1,778,954; Oct. 21.
- Miss, Walter C., St. Paul, Minn. Thermal building. 1,747,313; Feb. 18.
- Missar, Joseph A., et al. (See Salmon, James P., assignor.)
- Mississippi Glass Company. (See Franzen, Nicklas, assignor.)
- Mississippi Glass Company. (See Gutmann, Paul F., assignor.)
- Mississippi Glass Company. (See Kingsley, Charles B., assignor.)
- Missman, Glenn E., Council, Idaho. Basket-lidding tool. 1,758,052; May 13.
- Mitchel, Chester A., Chicago, Ill., assignor to The H. E. Frees Co. Manufacture of malt liquids. 1,747,785; Feb. 18.
- Mitchel, Edward W., assignor to F. L. McLaughlin Corporation, Detroit, Mich. Clinch-on nut. 1,761,358; June 3.
- Mitchel, Harold F. (See Adams, C. W., and Mitchel.)
- Mitchell, Allan M., Montreal, Quebec, Canada. Charcoal burner. 1,745,109; Jan. 28.
- Mitchell, Amos, Kirksville, Mo. Oil dispenser. 1,747,786; Feb. 18.

- Mitchell, Arthur L., Dallas, Tex. Stationary water heater. 1,752,536; Apr. 1.
- Mitchell, Benjamin A., Salt Lake City, Utah. Transmission. 1,771,806; July 29.
- Mitchell, Benjamin A., Salt Lake City, Utah. Transmission device. 1,771,807; July 29.
- Mitchell, Carrie, La Junta, Colo. Percolator. 1,765,934; June 24.
- Mitchell, Charles G., Miami, Fla. Automatic transmission. 1,784,742; Dec. 9.
- Mitchell, Charles W., Nashville, Tenn. Lock-controlled ignition switch. 1,749,672; Mar. 4.
- Mitchell, Chester A., Chicago, Ill., assignor to The H. E. Freses Co., Chicago, Ill. Manufacture of hopped alcohol reduced fermented beverages. 1,769,749; July 1.
- Mitchell, Clarence E., Berkely, assignor to Chrysler Corporation. Highland Park, Mich. Lubrication. 1,774,149; Aug. 26.
- Mitchell, Clifford E. (See Bennett, A. F., and Mitchell.)
- Mitchell, Courtney N., Cleveland, Ohio. Piston. 1,752,685; Apr. 1.
- Mitchell, Courtney N., Cleveland, Ohio., assignor of one-third to T. B. McAdams and one-third to L. R. Jones. Cleveland, Ohio. Shock absorber for vehicles. 1,778,905; Oct. 21.
- Mitchell, Courtney N., assignor to The Cleveland Door Check & Manufacturing Company, Cleveland, Ohio. Hydraulic check. 1,779,137; Oct. 21.
- Mitchell-Crankless Engines Corporation. (See Sherman, Thomas L., assignor.)
- Mitchell, Doren, New York, N. Y., assignor to American Telephone and Telegraph Company. Transmission frequency-delay-measuring circuit. 1,784,194; Dec. 9.
- Mitchell, Doren, New York, and J. Herman, Westfield, N. J., assignors to American Telephone and Telegraph Company. Echo suppressor. 1,772,552; Aug. 12.
- Mitchell, Doren, New York, and H. C. Silent, Larchmont, N. Y., assignors to American Telephone and Telegraph Company. Multiple way connection for transmission lines. 1,751,522; Mar. 25.
- Mitchell, Doren, New York, N. Y., and H. C. Silent, Los Angeles, Calif., assignor to American Telephone and Telegraph Company. Echo suppressor. 1,772,550; Aug. 12.
- Mitchell, Doren, New York, N. Y., and H. C. Silent, Los Angeles, Calif., assignor to American Telephone and Telegraph Company. Echo suppressor. 1,772,551; Aug. 12.
- Mitchell, Erastus B., Blackfoot, Idaho. Siphon. 1,757,872; May 6.
- Mitchell, Eugene F. (See Pribnow, J. F., and Mitchell.)
- Mitchell, George W., et al. (See Borgeson, Charles A., assignor.)
- Mitchell, Harold U., Medford, Oreg. Gear. 1,750,679; Mar. 18.
- Mitchell, Harry V., Danville, Ill., assignor of one-half to R. C. Dennett, Freeport, N. Y. Index device. 1,781,070; Nov. 11.
- Mitchell, Henry. (See Hendrickson, F. K. and Mitchell.)
- Mitchell-Henry, Lorenzo, London, England. Reel for fishing rods and the like. 1,781,695; Nov. 18.
- Mitchell, Holger L. (See Henricks, A. G., and Mitchell.)
- Mitchell, Holger L., assignor to Harnischfeger Corporation. Milwaukee, Wis. Device for stabilizing cranes. 1,767,470; June 24.
- Mitchell, Holger L., assignor to Harnischfeger Corporation. Milwaukee, Wis. Drag-line bucket. 1,767,691; June 24.
- Mitchell, Holger L., and R. Ljungkull, assignors to Harnischfeger Corporation, Milwaukee, Wis. Boom mounting and bracing. 1,747,946; Feb. 18.
- Mitchell, Ira S., Kansas City, Mo. Barber's chair. 1,756,756; Apr. 29.
- Mitchell, James C., assignor to C. E. Russell, Joplin, Mo. Advertising apparatus. 1,752,570; Apr. 1.
- Mitchell, Jesse J., Chattanooga, Tenn. Multiple-control device. 1,760,710; May 27.
- Mitchell, John, assignor to Charcolite Corporation, Clinton, Ind. Apparatus for carbonizing coal. 1,784,676; Dec. 9.
- Mitchell, John, London, and J. C. G. Cossey, London, England. Steam-regulator valve and the like. 1,754,174; Apr. 8.
- Mitchell, John C., Bloomfield, assignor to Lock Joint Pipe Company, Ampere, N. J. Pipe and making it. 1,770,180; July 8.
- Mitchell, John E., St. Louis, Mo. Air-line hull and trash extractor. 1,750,852; Mar. 18.
- Mitchell, John E., St. Louis, Mo. Cotton-harvesting machine. 1,760,312; May 27.
- Mitchell, John E., Dallas, Tex. Combined cotton recleaner and gin. 1,770,544; July 15.
- Mitchell, John F., assignor of forty-five per cent to L. G. Williams, Cotton Valley, La. Fluid-expanded piston for oil pumps. 1,756,795; Apr. 29.
- Mitchell, John J., Petersburg, Va. Tubular derrick. 1,751,348; Mar. 18.
- Mitchell, John R., Trenton, N. J. Bobbin or spool cap. 1,783,339; Dec. 2.
- Mitchell, John R., Dallas, Tex., assignor, by mesne assignments, to The Capchart Corporation, Fort Wayne, Ind. Needle-changing device for phonographs. 1,746,550; Feb. 11.
- Mitchell, Joseph S., Chicago, Ill., assignor to Sullivan Machinery Company. Drilling apparatus. 1,784,154; Dec. 9.
- Mitchell, Lewis E., J. L. Connors, and S. M. Pineles, assignors to H. B. Staver, Chicago, Ill. Dog-racing apparatus. 1,756,065; Apr. 29.
- Mitchell, Lorin E., East Cleveland, Ohio, assignor to General Electric Company. Electron-discharge device. 1,748,026; Feb. 18.
- Mitchell, Marion W. (See Swain, J. G., and Mitchell.)
- Mitchell & Ness. (See Evans, Robert D., assignor.)
- Mitchell, Robert, Company Limited, The. (See Kennedy, Hugh M., assignor.)
- Mitchell, Robert, Detroit, Mich. Fastener. 1,744,488; Jan. 21.
- Mitchell, Roy C., East Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Storage-battery cell. 1,765,027; June 17.
- Mitchell, Scott, Winnetka, Ill. Weight-released switch. 1,776,338; Sept. 23.
- Mitchell, Thomas A., Denver, assignor to L. M. Hughes, Denver, Colo. Treating aluminum-oxide minerals. 1,772,359; Aug. 5.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Treating aluminum oxide. 1,772,360; Aug. 5.
- Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Two-stage method of chlorinating ores. 1,773,235; Aug. 19.
- Mitchell, Thos. W. (See Martin, Claud C., assignor.)
- Mitchell, William, Ponca City, Okla., and A. H. Loucks, Marion, assignors to Marion Machine Foundry & Supply Company, Marion, Ind. Pitman. 1,751,258; May 6.
- Mitchell, William K., Yonkers, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Tea-ball box and method of mounting tea balls therein. 1,762,558; June 10.
- Mitchels, Peter J., Oakland, Calif. Connection for drapery rods. 1,752,020; Mar. 25.
- Mittmann, Mary E., New York, N. Y. Lingerie-strap-fastener clasp. 1,745,553; Feb. 4.
- Mitsubishi Zosen Kabushiki Kaisha. (See Kozaki, Kazuo, assignor.)
- Mitsubishi Zosen Kabushiki Kaisha. (See Noguchi, Kojuu, assignor.)
- Mittasch, Alwin, Mannheim, and W. Frankenburger, Ludwigshafen-on-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of valuable organic compounds. 1,766,718; June 24.
- Mittasch, Alwin, Ludwigshafen-on-the-Rhine, and C. Müller, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of iron carbonyl. 1,759,268; May 20.
- Mittasch, Alwin, Ludwigshafen-on-the-Rhine, and C. Müller, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of iron carbonyl. 1,783,744; Dec. 2.
- Mittasch, Alwin, and M. Müller-Cunradi, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Iron carbonyl compositions and their manufacture. 1,776,920; Sept. 30.
- Mittasch, Alwin, Ludwigshafen-on-the-Rhine, C. Müller, Mannheim, and E. Linckh, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of pure iron. 1,759,658; May 20.
- Mittasch, Alwin, C. Müller, Mannheim, and E. Linckh, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of pure iron. 1,759,660; May 20.
- Mittasch, Alwin, Ludwigshafen-on-the-Rhine, C. Müller, Mannheim, and W. Schubardt, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of pure iron. 1,759,659; May 20.
- Mittendorf, Harvey C., East Orange, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Bin indicator. 1,760,204; May 27.
- Mittendorf, William R., Cincinnati, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Balancing mechanism. 1,764,274; June 17.
- Mittendorf, William R., Cincinnati, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Counting scale. 1,764,275; June 17.
- Milton, Robert E., Salt Lake City, Utah. Valve for controlling fluids. 1,757,259; May 6.
- Mix, Edward H., Rocky River, Ohio, assignor, by mesne assignments, to Republic Steel Corporation. Rotary heat-treatment furnace and lining for same. 1,768,776; July 1.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. 1,779,636; Oct. 28.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Leather and producing the same. 1,785,966; Dec. 23.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. 1,785,967; Dec. 23.
- Mix & Genest Aktiengesellschaft. (See Packendorf, Karl, assignor.)
- Mixing Equipment Company. (See Craddock, Frederick L., assignor.)

- Miyaoka, Yataro, Spokane, Wash. Wheel guard. 1,748,304; Feb. 25.
- Mize, Fred, assignor to American Flyer Mfg. Co., Chicago, Ill. Motor control for toy electric locomotives. 1,757,676; May 6.
- Mizrahi, Moz, New York, N. Y. Combined window seat and refrigerator. 1,754,640; Apr. 15.
- Moberg, Arthur R., Minneapolis, Minn., assignor to F. O. Paige, jr., Hammond, Ind. Ferric alumina. 1,747,177; Feb. 18.
- Moberg, Arthur R., Minneapolis, Minn., assignor to F. O. Paige, jr., Hammond, Ind. Water softening and purification. 1,786,501; Dec. 30.
- Mobley, Charles. (See Ayers, O. H., and Mobley.)
- Mobley, Charles W., Barnesville, Ga. Attachment for barbers' chairs. 1,751,014; Mar. 18.
- Mobley, Earl J., Goldendale, Wash. Hall tree. Des. 80,392; Jan. 21.
- Mobley, H. G. (See Landrum, William W., assignor.)
- Mobley, Henry G., League City, Tex. Pressure-relief apparatus. 1,754,641; Apr. 15.
- Mobley, Henry G., Houston, Tex. Pipe-line signal. 1,779,260; Oct. 21.
- Mock, Frank C., assignor to Stromberg Motor Devices Co., Chicago, Ill. Airplane carburetor. 1,743,791; Jan. 14.
- Mock, Frank C., assignor to Stromberg Motor Devices Co., Chicago, Ill. Airplane carburetor. 1,746,358; Feb. 11.
- Mock, Frank C., assignor to Bendix Stromberg Carburetor Company, Chicago, Ill. Spring-control device. 1,777,414; Oct. 7.
- Mock, Frank C., and J. A. Dienner, Chicago, Ill., assignors to Bendix Stromberg Carburetor Company, South Bend, Ind. Carburetor apparatus. 1,777,472; Oct. 7.
- Mock, Hugo, New York, N. Y. Refrigerating unit. 1,758,008; May 13.
- Mock, Hugo, New York, N. Y. Serving element for electric refrigerators. 1,771,186; July 22.
- Mock, James C., Detroit, Mich. Light signal and projector. 1,765,689; June 24.
- Mock, John F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Centralizer for drill steels. 1,776,594; Sept. 23.
- Mock, John F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Locking device for throttle valves. 1,777,324; Oct. 7.
- Mock, Judson, Voehringer Company. (See Sutcliffe, Fred, jr., assignor.)
- Mock, Nate, Berlin, Germany. Ashtray. 1,779,976; Oct. 28.
- Möckel, Wilhelm, Berlin-Neutempelhof, Germany. Rapid printing press. 1,764,969; June 17.
- Modave, André, Brussels, assignor of fifty per cent to Ateliers Hanrez Societe Anonyme, Monceau sur Sambre, Belgium. Apparatus for removing dust from gases. 1,749,920; Mar. 11.
- Modern Auto Repair and Reconstructing Company. (See Solomon, Aaron R., assignor.)
- Modern Coal Burner Co. (See Burnett, William, jr., assignor.)
- Modern Coal Burner Co. (See Leach, Vernon G., assignor.)
- Modern Concrete Development Company Limited. (See Knipe, Arthur C., assignor.)
- Modern Devices, Incorporated. (See Vaudreuil, Edward J., assignor.)
- Modern Foundry and Pattern Works. (See Russell, Joseph F., assignor.)
- Modern Laundry Machine Manufacturing Company. (See Fedler, Joseph H., assignor.)
- Modern Machine and Auto Body Co. (See Morrison, Paul R., assignor.)
- Modern Metal Furniture Company. (See Whitman, John F., jr.)
- Modern Pouring Device Company. (See Goldberg, Max W., assignor.)
- Modesitt, James A., Lynwood, Calif. Overalls. 1,777,620; Oct. 7.
- Modine, Arthur B., Racine, Wis. Radiator construction. 1,743,861; Jan. 14.
- Modine, Arthur B., Racine, Wis. Air-heating apparatus. 1,749,499; Mar. 4.
- Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating unit. 1,754,642; Apr. 15.
- Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Radiator. 1,759,167; May 20.
- Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating apparatus. 1,767,604; June 24.
- Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Producing heat-exchange units. 1,767,605; June 24.
- Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat-exchange apparatus. 1,769,706; July 1.
- Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat-exchange means. 1,769,707; July 1.
- Modine Manufacturing Company. (See Modine, Arthur B., assignor.)
- Modo, Michel, Luxemburg-Ville, Luxemburg. Automobile door latch. 1,757,916; May 6.
- Moe, Aaron B., Glencoe, assignor to Hoeft & Company, Inc., North Chicago, Ill. Feeding trough for poultry. 1,771,647; July 29.
- Moe, Andrew O., Toppenish, Wash., assignor to Food Machinery Corporation, San Jose, Calif. Conveyer for fruits and vegetables. 1,760,369; May 27.
- Moe, Lawrence H., assignor to Crane Co., Chicago, Ill. Nonrising stem valve. 1,775,496; Sept. 9.
- Moe, Lewis, Battle Lake, Minn. Stove and furnace. 1,743,072; Jan. 7.
- Moeger, Kurt, Berlin, Germany, assignor to General Electric Company. Telemetric transmitter. 1,743,792; Jan. 14.
- Moehler, Otto J., Bloomfield, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Combined support and housing for an electric discharge device. Des. 82,639; Nov. 25.
- Moehler, Otto J., Newark, N. J., assignor to General Electric Vapor Lamp Company. Adjustable support stand for electric lamps. 1,765,028; June 17.
- Moehling, Fritz. (See Kayes, A. E., and Moehling.)
- Moehrke, Hans. (See Francke, B., and Moehrke.)
- Moeller, A. E., Company. (See Moeller, Max E., assignor.)
- Moeller, August. (See Siedler, P., and Moeller.)
- Moeller, Henry, Columbus, Ohio. Watch dial or similar article. Des. 81,104; May 6.
- Moeller, Max, assignor to A. E. Moeller Company, Brooklyn, N. Y. Thermometer tube and making the same. 1,753,801; Apr. 8.
- Moeller, Otto L., Mobile, Mo. Awning construction. 1,779,745; Oct. 28.
- Moen, George E., Kelso, Wash. Tool for reaming and fitting valve seats. 1,777,047; Sept. 30.
- Moen, George E., Kelso, Wash. Valve-reaming tool. 1,781,338; Nov. 11.
- Moen, John H., Page, N. Dak. Piston-ring tool. 1,774,561; Sept. 2.
- Moessinger, Albert, assignor to the firm Sulzer Frères Societe Anonyme, Winterthur, Switzerland. Rotary compressor. 1,776,921; Sept. 30.
- Moessmer, Paul A., Los Angeles, Calif. Refuse-disposal apparatus. 1,773,236; Aug. 19.
- Moesta, Marvin W., assignor to Murray Body Corporation, Detroit, Mich. Door latch. 1,769,068; July 1.
- Moesta, Marvin W., Detroit, Mich., assignor to The Murray Corporation of America. Vehicle body construction. 1,770,941; July 22.
- Moffat, Frederick W., Weston, Ontario, Canada. Cooking top of electric ranges. 1,758,579; May 13.
- Moffat, Henry E., Highland Park, Mich. Water heater and purifier. 1,773,195; Aug. 19.
- Moffat, John H., Indianapolis, Ind. Vehicle parking and locking device. Re17,768; Aug. 12.
- Moffatt, James, Waterbury, Conn. Document container. 1,743,899; Jan. 14.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Thread-controlling mechanism for sewing machines. 1,756,655; Apr. 29.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Hem for sewed articles and making the same. 1,764,848; June 17.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Presser foot for sewing machines. 1,765,604; June 24.
- Moffet, Lloyd A., Fremont, Nebr. Spraying device. 1,784,243; Dec. 9.
- Moffitt, George W., Oakland, Calif. Fire extinguisher. 1,758,458; May 13.
- Mogford, Edmund C., assignor to Clark Equipment Company, Buchanan, Mich. Brake mechanism for vehicles. 1,744,790; Jan. 28.
- Mogford, Edmund C., Buchanan, and F. W. Burger, Niles, assignors to Clark Equipment Company, Buchanan, Mich. Making metal wheels. 1,759,059; May 20.
- Mogford, Edmund C., and G. Spatta, assignors to Clark Equipment Company, Buchanan, Mich. Making axles. 1,762,407; June 10.
- Moginie, Arthur H., Sydney, New South Wales, Australia. Apparel suspension. 1,754,862; Apr. 15.
- Mohawk Products Company. (See Kaz, Samuel J., assignor.)
- Mohl, John C., et al. (See Field, Marshall S., assignor.)
- Mohler, James V. (See Shirk, G. R., and Mohler.)
- Mohler, John J., Peoria, assignor to Wilmoh Manufacturing Corporation, Chicago, Ill. Subterranean check valve. 1,785,138; Dec. 16.
- Mohler, Valentine J., Wheaton, assignor, by mesne assignments, to The Liquid Carbonic Corporation, Chicago, Ill. Bottle-crowning machine. 1,782,904; Nov. 25.
- Mohme, Edward H. (See Wylie, E. L., and Mohme.)
- Mohney, Earle J., et al. (See Van Meter, D. L., assignor, and Triesch.)
- Mohr, Annemarie. (See Mohr, John K., assignor.)
- Mohr, Felix, Mannheim, Germany. Hardness-testing apparatus. 1,771,858; July 29.
- Mohr, Franklin, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for converting light energy into electrical energy and vice versa. 1,768,288; June 24.
- Mohr, Henry P., Morris, Minn. Machine for killing quack grass. 1,768,289; June 24.
- Mohr, John D., Newark, N. J. Stamp-affixing machine. 1,775,404; Sept. 9.
- Mohr, John K., assignor to A. Mohr, Bay City, Mich. Ventilator. 1,771,731; July 29.
- Mohr, Julius, Milwaukee, Wis. Toy vehicle. 1,785,783; Dec. 23.

- Mohr, Otto, assignor to himself and J. A. Hoegger, Jersey City, N. J. Safety attachment for gas burners. 1,745,580; Feb. 4.
- Mohrman, Edwin M. (See Bickel, J. A., and Mohrman.)
- Mohun, John L., and H. Piesch, Omaha, Nebr., assignors to The National Lock Washer Company, Newark, N. J. Metal-bound weather stripping. 1,742,870; Jan. 7.
- Mohun, John L., Omaha, Nebr. Steam engine. 1,781,407; Nov. 11.
- Mohun, John L., Omaha, Nebr. Locomotive structure. 1,783,300; Dec. 2.
- Mohun, John L., and H. Piesch, Omaha, Nebr., assignors to National Lock Washer Company, Newark, N. J. Bottom bar for curtains. 1,782,905; Nov. 25.
- Mohun, John L., and H. Piesch, Omaha, Nebr., assignors to National Lock Washer Company, Newark, N. J. Curtain fixture. 1,784,375; Dec. 9.
- Moineau, Hector E., Marlboro, Mass. Soap holder. 1,784,155; Dec. 9.
- Moir, Harry W., Los Angeles, Calif. Process and apparatus for grinding material and extracting volatile matter therefrom. 1,766,447; June 24.
- Moir, Robert G., Coquitlam, British Columbia, Canada. Shingle-cutting machine. 1,775,651; Sept. 16.
- Mojoonnier Bros. Co. (See Hegg, Edward C., assignor.)
- Mojoonnier Bros. Co. (See Mojoonnier, Julius J., assignor.)
- Mojoonnier Bros. Co. (See Mojoonnier, J. J., Phillips, and Clarke, assignors.)
- Mojoonnier, Julius J., Oak Park, Ill., assignor to Mojoonnier Bros. Co. Conveyor and driving motor construction. 1,755,450; Apr. 22.
- Molander, Alfred, St. Paul, Minn. Mineral concentrator and process. 1,777,147; Sept. 30.
- Moldaenke, Karl. (See Heyna, H., Kirst, Kracker, and Moldaenke.)
- Moldaenke, Karl. (See Runne, E., Moldaenke, and Fischer.)
- Moldaenke, Karl. (See Thiess K., Runne, Moldaenke, and Meissner.)
- Molden, William M., assignor of one-half to E. C. Reid, Lake Charles, La. Detachable connection and clamp. 1,753,129; Apr. 1.
- Molesworth, Clyde E., J. Dudman, and C. G. Zokelt, Seattle, Wash. Apparatus for refrigeration. 1,750,763; Mar. 18.
- Molinari, Ralph, and J. Baldi assignors to Seminole Furniture Shops, Inc., Chicago, Ill. Slide mechanism. 1,775,824; Sept. 16.
- Moline Foundry & Machine Company. (See Nelson, Gustave C., assignor.)
- Moline Tool Company. (See Hunt, W. P., Hallene, and Brandenburg, assignors.)
- Molins, Walter E., Deptford, London, England. Packing machinery. 1,747,639; Feb. 18.
- Molins, Walter E., Deptford, London, England. Packing machinery. 1,755,659; Apr. 22.
- Molins, Walter E., Deptford, London, England. Cutting mechanism. 1,759,018; May 20.
- Molins, Walter E., Deptford, London, England. Cigarette machinery. 1,777,048; Sept. 30.
- Molins, Walter E., Deptford, London, England. Cigarette-making machinery. 1,781,239; Nov. 11.
- Molins, Walter E., Deptford, London, England. Cigarette-making machinery. 1,781,240; Nov. 11.
- Molins, Walter E., Deptford, London, England. Cigarette-making machine. 1,783,093; Nov. 25.
- Molins, Walter E., Deptford, London, England. Packing cigarettes and like articles. 1,784,701; Dec. 9.
- Molins, Walter E., London, England. Cigarette-making machine. 1,757,380; May 6.
- Molins, Walter E., London, England. Cigarette machinery. 1,758,800; May 13.
- Molitor, Charles B. J., New York, N. Y. Spanish lace for dresses. Des. 82,445; Nov. 4.
- Molitor, Edward C., San Jose, Calif. Towing bar. 1,745,702; Feb. 4.
- Moll, Walter, assignor to Hoosier Lamp and Stamping Corporation, Evansville, Ind. Oven door. 1,782,739; Nov. 25.
- Moll, Wilhelm K., assignor to Ditto, Inc., Chicago, Ill. Duplicating machine. 1,753,442; Apr. 8.
- Moll, Wilhelm K., assignor to Ditto, Inc., Chicago, Ill. Paper-stop device for duplicating machines. 1,759,200; May 20.
- Mollart, Lobegott, Watertown, Wis. Golf-ball washer. 1,747,724; Feb. 18.
- Moller, Conrad G., New Canaan, Conn., assignor to American Hair & Felt Company, Chicago, Ill. Pneumatic apparatus for producing mats or bats of fibrous materials. 1,756,468; Apr. 29.
- Moller, Edvard M. (See Benedict, H. A., and Moller.)
- Möller, Fritz, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Electrically-operated edge-driven roll. 1,784,304; Dec. 9.
- Möller, Jacob A. L., New York, N. Y. Equalizer rod. 1,763,363; June 10.
- Möller, Jacob A. L., New York, N. Y. Coating machine and coating process. 1,772,553; Aug. 12.
- Moller, Kenneth, assignor to Joseph Bancroft & Sons Co., Wilmington, Del. Apparatus for treating sheet materials. 1,768,777; July 1.
- Möller, Wilhelm H., Wessington, S. Dak. Binder attachment. 1,748,891; Feb. 25.
- Moloney, Frank J., South Manchester, Conn., assignor to H. E. Page, Belmont, Mass. Knitting machine. 1,751,940; Mar. 25.
- Molony, Donald P., assignor to Marvel Carburetor Company, Flint, Mich. Automatic charge-heating control for internal-combustion engines. 1,766,794; June 24.
- Molony, Martin, San Francisco, Calif. High-frequency vesical electrode with insulating tip. 1,770,653; July 15.
- Molt, Albert H. (See Butterworth, H. W., and Molt.)
- Molybdenum Corporation of America. (See Taylor, C., and Greene, assignors.)
- Molyneux, George E., Bayonne, N. J. Power-transmitting mechanism. 1,780,654; Nov. 4.
- Molyneux, George E., Bayonne, N. J., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing mechanism. 1,779,977; Oct. 28.
- Mombur, Georges, La Chaux-de-Fonds, Switzerland. Electromechanical spring-winding device. 1,773,112; Aug. 19.
- Mombur, Georges, Versailles, France. Transfer device for registering apparatus. 1,743,562; Jan. 14.
- Monar, Fred B., Washington, D. C. Constant-voltage generator. 1,783,745; Dec. 2.
- Monarch Governor Co. (See Moyers, G. L., and Abraham, assignors.)
- Monarch Machine Tool Company, The. (See Whipp, Wendell E., assignor.)
- Monarch Manufacturing Company, The. (See Bloom, Edgar J., assignor.)
- Monarch Manufacturing Company, The. (See Cadwalader, John, assignor.)
- Monarch Marking System Company, The. (See Kohnle, Frederick, assignor.)
- Monarch Metal Weatherstrip Corporation. (See Goellner, John A., assignor.)
- Monarch Products Company. (See Hentschel, Paul J., assignor.)
- Monarch Tool & Machinery Co. (See Clark, Willard F., assignor.)
- Moneyron, Marcel, Chicago, Ill. Electrical apparatus. 1,760,656; May 27.
- Monge, Manuel, Greenwood, Mass. Toy projectile. 1,760,657; May 27.
- Monier, Francis, Neuilly-sur-Seine, France. Carburetor. 1,748,305; Feb. 25.
- Monier, Francis, Neuilly-sur-Seine, France. Carburetor for internal-combustion engines. 1,752,959; Apr. 1.
- Monier, Francis, Neuilly-sur-Seine, France. Carburetor for internal-combustion engines. 1,763,061; June 10.
- Monitor Controller Company. (See Holmes, William T., assignor.)
- Monitor Controller Company. (See Whittingham, George H., assignor.)
- Monjonnier, Julius J., and H. R. Phillips, Oak Park, and H. J. Clarke, Chicago, Ill., assignors to Mojoonnier Bros. Co. Capping mechanism. 1,750,419; Mar. 11.
- Monjoust, Rene E., New York, N. Y. Aircraft. 1,778,906; Oct. 21.
- Monk, Newton. (See Kelley, L. A., Monk, and Thorp.)
- Monk, Nora. (See Monk, Sidney J., assignor.)
- Monk, Reginald H., assignor of one-half to J. Irwin, Montreal, Quebec, Canada. Production of amphoteric hydrated oxides of metals by hydrolysis. 1,755,512; Apr. 22.
- Monk, Reginald H., and L. Firing, Montreal, Quebec; said Firing assignor to J. Irwin, Montreal, Canada. Production of alkaline-earth titanates. 1,760,513; May 27.
- Monk, Sidney J., assignor to N. Monk, Washington, D. C. Illuminating device. 1,771,444; July 29.
- Monkhous, Joseph L., Guelph, Ontario, Canada. Excelsior-cutting machine. 1,784,305; Dec. 9.
- Monks, Charles. (See Pritchard, A., and Monks.)
- Monnier, George P. (See Monnier, Russel A. and G. P.)
- Monnier, Nicolas, Valence, France. Nut-lock device. 1,772,676; Aug. 12.
- Monnier, Nicolas, Valence, France. Nut-lock device. 1,778,368; Oct. 14.
- Monnier, Russel A. and G. P., Algonac, Mich. Winding drum and fastening hoisting cables thereto. 1,767,938; June 24.
- Monnot, John F., London, England. Alkaline storage battery. 1,780,935; Nov. 11.
- Monogram Lens Corporation. (See Arbuckle, Samuel F., assignor.)
- Monogram Lens Corporation. (See Coulter, Guy H., assignor.)
- Monogram Shop, The. (See Hill, Frederick H., assignor.)
- Monomelt Company, The. (See Curle, George L., assignor.)
- Monowatt Electric Corporation, The. (See Clemence, Elliott, assignor.)
- Monrad, Karl J., assignor to Chr. Hansen's Laboratory, Inc., Little Falls, N. Y. Butter coloring. 1,786,256; Dec. 23.
- Monro, Archibald V. H., Wellington, New Zealand. Protective closure or container for hose and the like. 1,756,874; Apr. 29.
- Monro, Randolph, Edgewood Arsenal, Md. Gas mask. 1,762,695; June 10.
- Monro, William L., assignor to Window Glass Machine Company, Pittsburgh, Pa. Method and apparatus for making sheet glass. 1,782,972; Nov. 25.
- Monroe, Albert M., Taft, Calif. Casing cutter. 1,756,128; Apr. 29.

- Monroe, Andrew J. and G. W., Arthur, Ill. Road planer. 1,763,534; June 10.
- Monroe, Andrew J. and G. W., Arthur, Ill. Lifting attachment for road graders. 1,782,363; Nov. 18.
- Monroe Auto Equipment Company. (See Myers, Don D., assignor.)
- Monroe Calculating Machine Company. (See Britten, Edwin F., jr., assignor.)
- Monroe Calculating Machine Company. (See Chase, George C., assignor.)
- Monroe Calculating Machine Company. (See Crosman, Loring P., assignor.)
- Monroe Calculating Machine Company. (See Overbury, Austin A., assignor.)
- Monroe Calculating Machine Company. (See Smith, Frank M., assignor.)
- Monroe, Finley, Emmett, Idaho. Elevator. 1,782,933; Nov. 25.
- Monroe, George W. (See Monroe, Andrew J. and G. W.)
- Monroe, Hanson H., Painesville, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Producing metallic cadmium from cadmium-containing material. 1,785,139; Dec. 16.
- Monroe, Lawless E., Lakedale, N. C. Dot-filling retainer. 1,759,518; May 20.
- Monroe, Robert J. (See Jaffe, J. L., and Monroe.)
- Monroe, Treadway B., assignor to The Celotex Company, Chicago, Ill. Production of fibers for wall board and similar structures. 1,785,840; Dec. 23.
- Monroe, Verne, Cameron, W. Va. Fishing tool. 1,771,808; July 29.
- Monroe, William S., Chicago, Ill. Towel rack. 1,759,319; May 20.
- Monroe, William S., H. C. Heaton, Chicago, Ill., and D. S. Jacobus, Montclair, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Reheat superheater. 1,776,839; Sept. 30.
- Monroe, William S., Chicago, and J. C. Sanderson, Evans-ton, assignors to Sargent & Lundy, Incorporated, Chicago, Ill. Cofferdam and method of construction. 1,751,835; Mar. 25.
- Monsanto Chemical Works. (See Conover, Courtney, assignor.)
- Monsch, Robert, Union City, N. J. Sandal. Des. 82,514; Nov. 11.
- Monsch, Robert, Union City, assignor to Duplex Safety Window Corporation, Jersey City, N. J. Window casing. 1,769,531; July 1.
- Monson, Hugh J., Lakewood, assignor to Delco Remy Corporation, Dayton, Ohio. Head lamp for automobiles. 1,742,717; Jan. 7.
- Monson, Louis T. (See De Groote, M., and Monson.)
- Monson, Louis T. (See De Groote, M., Monson, and Wirtel.)
- Montag, Joseph W., Dallas, Tex. Roof jack. 1,743,371; Jan. 14.
- Montague, Harry F., Minnewaukan, N. Dak. Toy vehicle. 1,748,183; Feb. 25.
- Montague, Nelle E., San Angelo, Tex. Calling-card receptacle. 1,776,951; Sept. 30.
- Montan, Inc. (See Coolidge, Joseph R., 3d., assignor.)
- Montan, Inc. (See Cutler, R. W., and Coolidge, assignors.)
- Montan- und Industrial-Werke vormals Joh. Dav. Starck. (See Kanhäuser, Franz, assignor.)
- Montano, Antonio, assignor of one-half to B. Gonzales, La Jara, and one-sixth to E. R. Romero, Antonito, Colo. Ditching machine. 1,750,680; Mar. 18.
- Montano, Antonio, assignor of one-half to F. Gonzales, La Jara, Colo. Road grader. 1,763,807; June 17.
- Montapert, Alfred A., Los Angeles, Calif. Safety fuse and circuit tester. 1,781,593; Nov. 11.
- Monteith, John C., assignor to The Sterling Spring Company, Cleveland, Ohio. Multiple-section spring. 1,747,725; Feb. 18.
- Monteith, John C., assignor to The Sterling Spring Company, Cleveland, Ohio. Spring controller. 1,747,726; Feb. 18.
- Monteith, John C., assignor to The Sterling Spring Company, Cleveland, Ohio. Spring attachment. 1,747,727; Feb. 18.
- Monteith, John C., assignor to Sterling Spring Company, Cleveland, Ohio. Vehicle bumper construction. 1,759,201; May 20.
- Monteith, William F., Salmon Arm, British Columbia, Canada. Wire fastener. 1,755,553; Apr. 22.
- Montello Heel Company. (See Kayes, Sydney C., assignor.)
- Monteney, Ward, Castle Rock, Wash. Wrench. 1,755,358; Apr. 22.
- Montes, Frank, New York, N. Y. Clothes hanger. Des. 80,450; Feb. 4.
- Montevaldo, John J., San Jose, Calif. Windshield wiper. 1,766,224; June 24.
- Montgomery, Bo-Gabriel, Djursholm, Sweden. Razor-sharpening device. 1,773,689; Aug. 19.
- Montgomery, Gustavus A., Dallas, Tex. Making drill stems. 1,749,981; Mar. 11.
- Montgomery, Gustavus A., Dallas, Tex. Pipe coupling and rotary tool joint. 1,769,381; July 1.
- Montgomery, Harry A., assignor to Sani-Loc Cabinet Company, Louisville, Ky. Receiving and dispensing cabinet. 1,784,743; Dec. 9.
- Montgomery, Harry W., Omaha, Nebr. Valve actuation for a burglar-repelling device. 1,783,515; Dec. 2.
- Montgomery, John. (See Nainteau, John B., assignor.)
- Montgomery, John R. (See Clark, M. T., and Montgomery.)
- Montgomery, Samuel A. (See Lane, R. S., and Montgomery.)
- Montgomery, Walter B. (See Hargrove, G. C., and Montgomery.)
- Montgomery Ward & Co. (See Prall, Bert R., assignor.)
- Montgomery-Washburn Company. (See Washburn, Richard C., assignor.)
- Montoya, Benito, Los Angeles, Calif. Lubricator filler. 1,787,011; Dec. 30.
- Montreal General Hospital, The. (See Rabinowitch, Israel M., assignor.)
- Montreuil, Frank H., Philadelphia, Pa., assignor to Warren Webster & Company. Steam-heating system. 1,759,586; May 20.
- Montrief, James V., Bridgeport, Tex. Building construction. 1,783,383; Dec. 2.
- Montroy, Richard F., Detroit, Mich. Device for removing broken electric-lamp bulbs. 1,779,008; Oct. 21.
- Montsinger, Vincent M., Pittsfield, Mass., assignor to General Electric Company. Regulating system. 1,756,875; Apr. 29.
- Montuori, Felix C., Washington, D. C. Combination ring and key. 1,743,563; Jan. 14.
- Montuori, Felix C., Washington, D. C. Hypodermic syringe. 1,757,809; May 6.
- Monument Mills. (See Belknap, Doris V., assignor.)
- Monument Mills. (See Hodson, William F., assignor.)
- Moodt, Ralph, Rome, Ohio. Door fastener. 1,762,070; June 3.
- Moody, Dwight L. (See Davidson, J., jr., and Moody.)
- Moody, George E., Los Angeles, Calif. Door or window guide. 1,742,483; Jan. 7.
- Moody, Gilbert D., Weyauwega, Wis. Apparatus for stacking ore and similar material. 1,782,996; Nov. 25.
- Moody, Joseph F., Tulsa, Okla. Oil-well apparatus. 1,766,920; June 24.
- Moody, Julius C., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Cooling-fluid-control valve. 1,756,566; Apr. 29.
- Moody, Lewis F., Philadelphia, Pa. Vane formation for rotary elements. 1,744,709; Jan. 21.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic-power plant. 1,757,926; May 6.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic-power plant. 1,757,927; May 6.
- Moody, Lewis F., Philadelphia, Pa. Runner for turbines. 1,762,124; June 3.
- Moody, Lewis F., Philadelphia, Pa. Double-runner spiral pump. 1,769,886; July 1.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,769,887; July 1.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic apparatus. 1,776,391; Sept. 23.
- Moody, Lewis F., Philadelphia, Pa. Turbine apparatus. 1,776,392; Sept. 23.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,786,166; Dec. 23.
- Moody, Walter S., Pittsfield, Mass., assignor to General Electric Company. Electrical distribution system. 1,780,032; Oct. 28.
- Moody, William E. (See Jones, J. E., Newdick, and Moody.)
- Moody, Winfield H., Baltimore, Md. Door fastener. 1,777,176; Sept. 30.
- Moers, Louis P., assignor to The Columbia Axle Company, Cleveland, Ohio. Brake mechanism for motor vehicles. 1,750,936; Mar. 18.
- Moers, Louis P., assignor to The Columbia Axle Company, Cleveland, Ohio. Brake-actuating mechanism. 1,774,657; Sept. 2.
- Moog, Otto, Brunswick, Germany. Roller grinding mill. 1,775,369; Sept. 9.
- Moomaw, Curtis H., Springfield, Mo. Poultry roost. 1,786,443; Dec. 30.
- Moomaw, Dalton, assignor of one-half to H. M. Leonard, South Bend, Ind. Spring structure. 1,744,489; Jan. 21.
- Moon, Charles L., assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Conveyer. 1,766,225; June 24.
- Moon, Dorrien G., Larchmont, assignor to Continental Paper and Bag Corporation, New York, N. Y. Digester support. 1,771,581; July 29.
- Moone, Albert E. F., assignor to The Lehon Company, Chicago, Ill. Roofing. Des. 81,712; July 29.
- Moone, Albert E. F., Chicago, Ill. Web-drying device. 1,742,365; Jan. 7.
- Moone, Albert E. F., Chicago, Ill. Reel for electric conductors. 1,751,836; Mar. 25.
- Moone, Albert E. F., Chicago, Ill., assignor to The Lehon Company. Machine for making roofing and the like. 1,752,751; Apr. 1.
- Moone, Albert E. F., Chicago, Ill., assignor to The Lehon Company. Roofing. 1,768,134; June 24.
- Mooney, Albert W., and L. H. Height, assignors to Alexander Industries, Inc., Colorado Springs, Colo. Retractable landing gear for aircraft. 1,774,032; Aug. 26.
- Mooney, Ernest S., incompetent, by Los Angeles First National Trust and Savings Bank, guardian, Los Angeles, Calif. Toy animal. 1,761,143; June 3.
- Mooney, John T., La Grange, Ill. Timepiece dial. Des. 81,839; Aug. 19.
- Mooney, John T., La Grange, Ill. Timepiece dial. Des. 81,840; Aug. 19.

- Mooney, Thomas F., Morristown, N. J. Fireplace. 1,758,459; May 13.
- Mooney, William, Waterloo, Iowa. Flush valve. 1,764,276; June 17.
- Mooney, William T., assignor of one-half to W. J. Garvin, Cleveland, Ohio. Bottle-carrying device. 1,777,192; Sept. 30.
- Moore, Alfred E., Winsted, Conn. Traveling crane. 1,758,580; May 13.
- Moore, Arlington, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass. Hand-operated hermetic-closure construction. 1,747,591; Feb. 18.
- Moore, Arlington, New York, N. Y. Antidetonation cylinder head for internal-combustion engines. 1,754,643; Apr. 15.
- Moore, Arlington, New York, N. Y. Paper bottle. 1,754,644; Apr. 15.
- Moore, Arlington, New York, N. Y., assignor, by mesne assignments, to Maxmoor Corporation. Conversion valve. 1,766,669; June 24.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Conversion valve. 1,766,670; June 24.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Mixture conversion apparatus for internal-combustion engines. 1,766,671; June 24.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Conversion valve for internal-combustion engines. 1,766,672; June 24.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Preparing charges for combustion in internal-combustion engines. 1,766,673; June 24.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Apparatus for control of combustion in internal-combustion engines. 1,766,674; June 24.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Exhaust-gas aeration and charge preparation for internal-combustion engines. 1,766,675; June 24.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Charge-supplementing apparatus for internal-combustion engines. 1,766,676; June 24.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Charge-supplementing apparatus for internal-combustion engines. 1,766,677; June 24.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Charge-modifying apparatus for internal-combustion engines. 1,768,853; July 1.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Pressure-controlled charge-modifying apparatus for internal-combustion engines. 1,768,854; July 1.
- Moore, Benjamin S., Detroit, Mich. Retainer. 1,742,271; Jan. 7.
- Moore, Benjamin S., assignor to Ferro Stamping Mfg. Co., Detroit, Mich. Facilitating shipment of door handles and the like. 1,762,559; June 10.
- Moore, Bernard J., Stoke-on-Trent, and A. J. Campbell, Stone, assignors of one-half to Gibbons Brothers Limited, Dudley, England. Electrically-heated kiln. 1,776,321; Sept. 23.
- Moore Brothers Company. (See Dibble, Claude M., assignor.)
- Moore Brothers Company. (See Moore, L., and Dibble, assignors.)
- Moore, Charles A., Edina, Minn. Heating, humidifying, and ventilating appliance. 1,745,904; Feb. 4.
- Moore, Charles A., Edina, Minn. Brine cooler. 1,762,519; June 10.
- Moore, Charles A., Edina, Minn. Air conditioning and circulating apparatus. 1,762,520; June 10.
- Moore, Charles A., Edina, Minn. Air-conditioning appliance for precooling rooms. 1,762,521; June 10.
- Moore, Charles A., Edina, Minn. Apparatus for precooling lading at shipping points. 1,769,033; July 1.
- Moore, Charles A., Edina, Minn. Atmospheric conditioning apparatus for storage. 1,769,155; July 1.
- Moore, Charles A., Edina, Minn. Refrigerating and ventilating apparatus. 1,777,573; Oct. 7.
- Moore, Charles R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Mounting for phonic diaphragms. 1,745,686; Feb. 4.
- Moore, Charles R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation generator. 1,747,837; Feb. 18.
- Moore, Charles R., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,757,465; May 6.
- Moore, Clarence G. and C. H., Indianapolis, Ind. Attachment for hot-air pipes or the like. 1,742,613; Jan. 7.
- Moore, Clarence W., Roslyn, Pa., assignor to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Fountain cuspidor. 1,754,757; Apr. 15.
- Moore, Claude H. (See Moore, Clarence G. and C. H.)
- Moore, David L., assignor to Phillips Petroleum Company, Bartlesville, Okla. Combined snuffer and gas trap. 1,744,659; Jan. 21.
- Moore, David P., Avon Park, Fla. Knitted pile fabric. 1,744,327; Jan. 21.
- Moore, David P., Avon Park, Fla. Paper mulch and reinforcing and retaining means therefor. 1,784,376; Dec. 9.
- Moore, Davis L., Atlantic City, N. J. Doorcheck. 1,743,678; Jan. 14.
- Moore, Delmer H., assignor to Moore Plow and Implement Company, Greenville, Mich. Plowshare. 1,768,135; June 24.
- Moore Dry Kiln Company. (See Cobb, J. Forrest, assignor.)
- Moore Dry Kiln Company. (See Creighton, Frank M., assignor.)
- Moore, Edgar D. (See Dippman, F. R., and Moore.)
- Moore, Edgar D., Cleveland, assignor to The Ohio Brass Company, Mansfield, Ohio. Circuit breaker. 1,756,656; Apr. 29.
- Moore, Edgar D., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley pole. 1,787,013; Dec. 30.
- Moore, Edgar D., and F. R. Dippman, assignors to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,757,677; May 6.
- Moore, Edgar D., assignor to The Ohio Brass Company, Mansfield, Ohio. Circuit breaker. 1,771,648; July 29.
- Moore, Edgar D., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley-pole base. 1,787,012; Dec. 30.
- Moore, Edgar D., and F. R. Dippman, assignors to The Ohio Brass Company, Mansfield, Ohio. Trolley silencer. 1,786,717; Dec. 30.
- Moore, Edgar D., and F. R. Dippman, assignors to The Ohio Brass Company, Mansfield, Ohio. Current-collector support. 1,786,718; Dec. 30.
- Moore, Edgar D., and F. R. Dippman, assignors to The Ohio Brass Company, Mansfield, Ohio. Current-collector support. 1,786,720; Dec. 30.
- Moore, Edward T., assignor to Power Control Corp., Syracuse, N. Y. Electrical apparatus for automatically controlling peak demands. Re17,851; Oct. 28.
- Moore, Edwin E., Gary, Ind., assignor to American Sheet and Tin Plate Company. Conveyer roller. 1,744,914; Jan. 28.
- Moore, Edwin E., Gary, Ind., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Shears. 1,766,301; June 24.
- Moore, Emmett B., Evanston, Ill. Valve. 1,759,060; May 20.
- Moore Fabric Company. (See Hawley, Charles T., assignor.)
- Moore Fabric Company. (See Moore, John V., assignor.)
- Moore Fabric Company. (See Norden, Svan, assignor.)
- Moore, Francis J., Minneapolis, Minn. Roof flashing and jacket. 1,750,019; Mar. 11.
- Moore, Frank L., Chatham, N. J. Safety device for elevators. 1,765,690; June 24.
- Moore, Frank V., Holton, Kans. Display holder. 1,759,862; May 27.
- Moore, Frank W. (See Harty, W. A., and Moore.)
- Moore, Fred M., Oakland, Calif., assignor to Economy Oil Slot Piston Company, Reno, Nev. Piston. 1,744,133; Jan. 21.
- Moore, George A., Boston, Mass. Set screw. 1,784,377; Dec. 9.
- Moore, George C., Company. (See Moore, Thomas F., assignor.)
- Moore, George L., assignor to Alemite Corporation, Chicago, Ill. Making lubricant-receiving fittings. 1,787,257; Dec. 30.
- Moore, George L., and J. R. Steele, Owego, N. Y. Rail anchor. 1,746,401; Feb. 11.
- Moore, George L., and J. R. Steele, Owego, N. Y. Rail anchor. 1,760,275; May 27.
- Moore, George L., and J. R. Steele, Owego, N. Y. Anticreeper for rails. 1,777,990; Oct. 7.
- Moore, George L., and J. R. Steele, Owego, N. Y. Rail anchor. 1,777,991; Oct. 7.
- Moore, George L., and J. R. Steele, Owego, N. Y. Rail anchor. 1,779,979; Oct. 28.
- Moore, George W., Long Beach, Calif., assignor to R. E. Moore, Piedmont, Calif. Making weldless elevator links. 1,756,376; Apr. 29.
- Moore, Giles S., Indianapolis, and O. Moore, Frankfort, Ind. Sliding trolley. 1,755,303; Apr. 22.
- Moore, Hal E., Berkeley, Calif. Key holder. 1,779,621; Oct. 28.
- Moore, Harry C., Chicago, Ill., and R. White, Metuchen, N. J., assignors to Armour Fertilizer Works, Chicago, Ill. Apparatus for dispensing liquids under pressure. 1,778,427; Oct. 14.
- Moore, Horatio S., Bellefonte, Pa. Automobile handling apparatus. 1,751,874; Mar. 25.
- Moore, Hugh K. (See Burningham, F. A., and Moore.)
- Moore Inventions Corporation. (See Moore, Arlington, assignor.)
- Moore, Isaac H., Portland, Oreg. Lawn-sprinkling system and the like. 1,768,919; July 1.
- Moore, James. (See Allan, H. L., and Moore.)
- Moore, James R., Springfield, Colo. Chain carrier and pull. 1,780,834; Nov. 4.
- Moore, John E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Liquid-sealed relief valve. 1,778,460; Oct. 14.
- Moore, John J., Merrimac, Mass., assignor of one-half to L. J. Morgan, Syracuse, N. Y. Automobile doorcheck. 1,742,820; Jan. 7.

- Moore, John T., Reading, Pa., assignor, by mesne assignments, to Rex-Watson Corporation, Canastota, N. Y. Detachable wheel guide for tractor-chain links. 1,760,249; May 27.
- Moore, John T., near Wernersville, Pa., assignor, by mesne assignments, to Rex-Watson Corporation, Canastota, N. Y. Creeper attachment for tractor wheels. 1,764,120; June 17.
- Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Tie liner and making the same. 1,756,901; Apr. 29.
- Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Curvilinear elastic fabric. 1,770,740; July 15.
- Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Garment supporter. 1,770,741; July 15.
- Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Curvilinear garter. 1,770,742; July 15.
- Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Curvilinear elastic fabric. 1,772,955; Aug. 12.
- Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Making curvilinear elastic fabric. 1,772,956; Aug. 12.
- Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Mechanism and method for producing elastic fabric. 1,772,957; Aug. 12.
- Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Producing elastic fabric. 1,772,958; Aug. 12.
- Moore, Joseph W., Runcorn, and W. G. Polack, Frodsham, London, England. Manufacturing ammonium chloride. 1,776,698; Sept. 23.
- Moore, Kenneth G., Cannon Falls, Minn. Self-arighting dental syringe. 1,762,237; June 10.
- Moore, Kenneth L. (See Moore, Willard A. and K. L.)
- Moore, Lee C., and Company. (See Foukes, Joseph P., assignor.)
- Moore, Lewis, and C. M. Dibble, assignors to Moore Brothers Company, Joliet, Ill. Reversible stove and fuel connection. 1,751,095; Mar. 18.
- Moore, Lyman P., Chico, Calif. Packing retainer. 1,751,837; Mar. 25.
- Moore, Matthew S. (See Black, William C., assignor.)
- Moore, Merrill, Creston, Iowa. Luggage carrier for automobiles. 1,784,971; Dec. 16.
- Moore, Mortimer J. P., Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Blower for powdered fuel. 1,753,936; Apr. 8.
- Moore, Morton K. (See Milner, Henry K., assignor.)
- Moore, Morton K., Charleston, S. C. Grate. 1,746,126; Feb. 4.
- Moore, Ninian R., Du Bois, Pa. Kitchen cabinet. 1,778,163; Oct. 14.
- Moore, Otto. (See Moore, Giles S. and O.)
- Moore, Paul, et al., trustees. (See Hartzell, A., and Lathrop, assignors.)
- Moore Plow and Implement Company. (See Moore, Delmer H., assignor.)
- Moore Push Pin Company. (See Storck, Emil G., assignor.)
- Moore, R. E. (See Moore, George W., assignor.)
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,758,368; May 13.
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,781,820; Nov. 18.
- Moore, Raymond G., and A. Claud-Mantle, assignors to The Bassick Company, Bridgeport, Conn. Latch. 1,758,367; May 13.
- Moore, Raymond G., and Arthur Claud-Mantle, assignors to The Bassick Company, Bridgeport, Conn. Cabinet latch. 1,782,386; Nov. 18.
- Moore, Raymond G., Bridgeport, and F. P. Sargent, Stratford, assignors to The Bassick Company, Bridgeport, Conn. Handle for automobile hood catch. Des. 80,663; Mar. 4.
- Moore, Raymond G., Bridgeport, and F. P. Sargent, Stratford, assignors to The Bassick Company, Bridgeport, Conn. Handle for Automobile Hood Catch. Des. 80,664; Mar. 4.
- Moore, Robert A., assignor to M & M Engineering Corporation, New York, N. Y. Muffler. 1,745,632; Feb. 4.
- Moore, Robert A., assignor to Multiple Selling Corporation, New York, N. Y. Safety lamp lock. 1,786,409; Dec. 23.
- Moore, Roger E., New York, N. Y. Mounting for shade fixtures. 1,780,271; Nov. 4.
- Moore Steam Turbine Corporation. (See Church, Maynard D., assignor.)
- Moore, Thomas, Kewanee Ill. Tension roll. 1,773,743; Aug. 26.
- Moore, Thomas C. (See Coffield, W. M., and Moore.)
- Moore, Thomas C., New York, N. Y. Display device. 1,759,519; May 20.
- Moore, Thomas F., assignor to George C. Moore Company, Westerly, R. I. Elastic woven fabric. 1,755,787; Apr. 22.
- Moore, Thomas J. (See Hall, Roy M., assignor.)
- Moore, Thomas J., Lake Ronkonkoma, assignor to S. E. Kimball, New York, N. Y. Attachment for suction cleaners. 1,756,519; Apr. 29.
- Moore, Walter N., assignor to Three-M Manufacturing Company, Kansas City, Mo. Removing scale from water jackets of internal-combustion engines. 1,783,478; Dec. 2.
- Moore & White Company, The. (See White, Joseph A., assignor.)
- Moore, Willard A. and K. L., Muncie, Ind. Molder's flask. 1,760,711; May 27.
- Moore, William. (See Cooper, K. F., and Moore.)
- Moore, William, Chappaqua, assignor to American Cyanamid Company, New York, N. Y. Insecticide. 1,761,144; June 3.
- Moore, William D., J. B. Loring, and W. J. Bowers, Birmingham, Ala., assignors to Sand Spun Patents Corporation, New York, N. Y. Mold for head cores. 1,762,876; June 10.
- Moore, William D., and W. Morgan, Birmingham, Ala., assignors to Sand Spun Patents Corporation, New York, N. Y. Centrifugal casting machine. 1,783,094; Nov. 25.
- Moore, William E., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa. Electric-furnace method. 1,763,248; June 10.
- Moore, William J., Detroit, Mich. Body molding. 1,744,238; Jan. 21.
- Moore, William R., jr., Hagerstown, Md., assignor to Deca-Disc Phonograph Company, Waynesboro, Pa. Remote control for talking machines. 1,787,392; Dec. 30.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle radiator cap. Des. 81,713; July 29.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Window-shade support for motor vehicles. 1,744,136; Jan. 21.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,766,921; June 24.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,766,922; June 24.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Brake-operating mechanism. 1,766,923; June 24.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,766,924; June 24.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,766,925; June 24.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,766,926; June 24.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,767,222; June 24.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Brake-operating mechanism. 1,767,388; June 24.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,768,136; June 24.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,780,270; Nov. 4.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Instrument board light. 1,786,768; Dec. 30.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Clutch brake for motor vehicles. 1,787,160; Dec. 30.
- Moorhouse, Samuel, Leeds, England. Spinning machine. 1,778,907; Oct. 21.
- Moorman, Arthur R. (See Carpenter, I. C., and Moorman.)
- Moorman, Charles L., Chicago, Ill. Lift truck. 1,750,277; Mar. 11.
- Moorman Manufacturing Company. (See Pfeiffer, Grover F., assignor.)
- Moos, August. (See Wilmoth, J. J., and Moos.)
- Moots, Bonnie C. (See Patterson, A. H., and Moots.)
- Mora, John, Plains, Pa. Blasting device. 1,751,015; Mar. 18.
- Moraine Products Company, The. (See Koehring, R. P., and Short, assignors.)
- Moraine Products Company, The. (See Patch, Earl S., assignor.)
- Moraine Products Corporation, The. (See Short, Charles R., assignor.)
- Moraine Products Company, The. (See Valentine, A. H., and Lemming, assignors.)
- Morali, Charles, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 80,576; Feb. 25.
- Morali, Charles, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 80,577; Feb. 25.
- Morali, Charles, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 80,905; Apr. 8.
- Morali, Charles, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 80,963; Apr. 15.
- Moran, Edward, assignor to J. J. Moran, New York, N. Y. Combined folding bed, crib, and seat. 1,743,828; Jan. 14.
- Moran, Frank A., and M. Ruckes, Springfield, assignor to National Scale Corporation, Chicopee Falls, Mass. Automatic scale. 1,768,855; July 1.
- Moran, John F., Jersey City, N. J. Electromagnetic bell. 1,764,277; June 17.
- Moran, John J. (See Moran, Edward, assignor.)
- Moran, Joseph F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,742,718; Jan. 7.
- Moran, Mark, Seattle, Wash. Continuous-feed writing tablet. 1,743,372; Jan. 14.

- Moran, William C., Laurel Springs, N. J., assignor to Riehle Bros. Testing Machine Co., Philadelphia, Pa. Recoil apparatus for testing machines and the like. 1,745,182; Jan. 28.
- Morand Cushion Wheel Co. (See Korn, Alex A., assignor.)
- Morano, James E., assignor of one-third to A. De Marco, Hammonont, N. J. Cranberry gatherer. 1,784,702; Dec. 9.
- Moránszky, Mátyás, New York, N. Y. Aeroplane. 1,786,217; Dec. 23.
- Moratz, Paul O., Bloomington, Ill. Matched hardwood flooring. 1,764,331; June 17.
- Moravec, Joseph E. (See Vorel, Frank, assignor.)
- Moravek, Frank J., Holyrood, Kans. Can holder. 1,759,797; May 20.
- Moray, Jere C., New York, N. Y. Sea tub. 1,752,191; Mar. 25.
- Morch, Jacob J., Toronto, Ontario, Canada. Golf game. 1,758,581; May 13.
- Morch, John, Altoona, and G. A. Silversparre, Juniata, Pa. Frame for electric locomotives. 1,776,079; Sept. 16.
- Morden, Charles W., Portland, Oreg. Concealing the visibility of joints in composite surfaces. 1,773,695; Aug. 19.
- More, William R., Spokane, Wash. Calendar. 1,776,365; Sept. 23.
- Morefield, Albert, Wapato, Wash. Pumping machine. 1,773,057; Aug. 12.
- Morehead, French H., Boston, Mass. Method and apparatus for making sand cores. 1,743,281; Jan. 14.
- Morehead, French H., Boston, Mass. Apparatus for making sand cores. 1,743,473; Jan. 14.
- Morehouse, Eugene, assignor to B. A. Balou & Co., Inc., Providence, R. I. Clip. 1,778,428; Oct. 14.
- Morehouse, Francis G., Greenwich, Conn., assignor to Radio Corporation of America. Colored-facsimile system. 1,779,261; Oct. 21.
- Morehouse, Frank, Gloversville, N. Y. Screw driver. 1,753,441; Apr. 8.
- Moreing, Charles. (See Jones, George D., assignor.)
- Morel, Emile, Domene, France. Magneto-electric machine for the generation of monophase current. 1,787,014; Dec. 30.
- Morel, Félix, Fayettas, par Razac-sur-Le Isle, assignor to Anciens Etablissements R. Cornely & Cie. (Societe Anonyme), Paris, France. Sewing machine. 1,771,546; July 29.
- Morel, Félix, Fayettas, Dordogne, assignor to Anciens Etablissements R. Cornely & Cie. (Societe Anonyme), Paris, France. Sewing machine. 1,771,547; July 29.
- Moreland, William, Newark, N. J. Air-driven novelty. 1,764,180; June 17.
- Moreland Motor Truck Company. (See Moreland, Watt L., assignor.)
- Moreland, Watt L., Los Angeles, assignor to Moreland Motor Truck Company, Burbank, Calif. Vehicle spring suspension. 1,743,373; Jan. 14.
- Morency, George H., Portland, Oreg., assignor to American Telephone and Telegraph Company. Telephone-exchange system. 1,784,905; Dec. 16.
- Moreno, Fiacro, Torreon, Mexico. Fan. 1,752,192; Mar. 25.
- Moreton, Henry H., Stony Point, N. Y. Dirigible headlight. 1,746,402; Feb. 11.
- Moreton, Henry H., Stony Point, N. Y. Spotlight attachment. 1,746,735; Feb. 11.
- Moreton, Henry H., Santa Monica, Calif. Oil can. 1,754,367; Apr. 15.
- Moreton, Henry H., Santa Monica, Calif. Oil can. 1,754,394; Apr. 15.
- Moreton, Henry H., Santa Monica, Calif. Lamp for motor vehicles. 1,762,877; June 10.
- Moreton, Henry H., Santa Monica, Calif. Gas heater. 1,762,878; June 10.
- Moreton, Henry H., Stony Point, N. Y. Attachment for musical instruments. 1,770,004; July 8.
- Moreton, Henry H., Stony Point, N. Y. Spotlight attachment. 1,783,516; Dec. 2.
- Moretti, Giovanni A., Providence, R. I. Automatic safety bumper. 1,771,649; July 29.
- Morey, Edwin. (See Lane, John D., assignor.)
- Morey, Harry J., assignor to Pass & Seymour, Incorporated, Syracuse, N. Y. Center contact for sockets. 1,743,374; Jan. 14.
- Morford, Glen O., Berwyn, assignor to Roberts & Schaefer Company, Chicago, Ill. Material-handling plant. 1,746,359; Feb. 11.
- Morgal, John F., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Floor polisher for vacuum cleaners. 1,752,803; Apr. 1.
- Morgan, Blodgett, Morgan, Inc. (See Strauss, John N., assignor.)
- Morgan, Charles L., Pittsburgh, Pa. Hinge. 1,754,175; Apr. 8.
- Morgan, Charles P. (See Morgan, Harry J., assignor.)
- Morgan, Charles S., and J. T. Howell, assignors to Union Oil Company of California, Los Angeles, Calif. Self-locking ladder for floating roof tanks. 1,744,239; Jan. 21.
- Morgan, Clarence S., Detroit, Mich. Insulation for pipe fittings. 1,771,134; July 22.
- Morgan, Clifton O., Youngstown, Ohio. Mop. 1,751,349; Mar. 18.
- Morgan Construction Company. (See Bradley, Anson K., assignor.)
- Morgan Construction Company. (See Dahlstrom, Frank P., assignor.)
- Morgan Construction Company. (See Fors, Eric H., assignor.)
- Morgan Construction Company. (See George, Jerome R., assignor.)
- Morgan Construction Company. (See George, J. R., and Sheperdson, assignors.)
- Morgan Construction Company. (See Isley, George H., assignor.)
- Morgan Construction Company. (See Morgan, Myles, assignor.)
- Morgan Construction Company. (See Quinn, Edward J., assignor.)
- Morgan Construction Company. (See Sheperdson, John W., assignor.)
- Morgan, Connie D. (See Beckham, G. F., and Morgan.)
- Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Surface condenser. 1,746,841; Feb. 11.
- Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,748,676; Feb. 25.
- Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat-balance condensing plant. 1,756,987; May 6.
- Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Feed-water heater. 1,760,954; June 3.
- Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,779,072; Oct. 21.
- Morgan Dry Cleaners Equipment Co. (See Morgan, Paul W., assignor.)
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Combined coal mining and loading machine. 1,755,331; Apr. 22.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining and loading apparatus. 1,755,332; Apr. 22.
- Morgan, Edmund C., deceased; O. E. Morgan, executrix, New York, N. Y. Kerf cutter for mining apparatus. 1,755,700; Apr. 22.
- Morgan, Edmund C., deceased; O. E. Morgan, executrix, New York, N. Y. Loading machine. 1,758,197; May 13.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Loading machine. 1,758,198; May 13.
- Morgan, Edmund C., deceased; O. E. Morgan, executrix, New York, N. Y. Loading machine. 1,761,145; June 3.
- Morgan, Edmund C., deceased, Richmond Hill, N. Y.; O. E. Morgan, executrix. Mining and loading machine. 1,783,443; Dec. 2.
- Morgan, Edmund C., deceased; O. E. Morgan, executrix, New York, N. Y. Apparatus for mining and loading coal. 1,784,156; Dec. 9.
- Morgan Engineering Company, The. (See Wackerly, Harry A., assignor.)
- Morgan, Everette K., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Tapping chuck. 1,763,717; June 17.
- Morgan, George, Binghamton, N. Y. Holder. 1,769,382; July 1.
- Morgan, Guy, assignor to The Warford Corporation, New York, N. Y. Power-transmitting mechanism. 1,782,543; Nov. 25.
- Morgan, Hans O., West Englewood, N. J. Gauge. 1,777,415; Oct. 7.
- Morgan, Harry, Flint, assignor to General Motors Corporation, Detroit, Mich. Lubricating rear-axle differential. 1,775,623; Sept. 9.
- Morgan, Harry, Flint, Mich., assignor to Brake-Testing Equipment Corporation, San Francisco, Calif. Brake-testing apparatus. 1,779,945; Oct. 28.
- Morgan, Harry J. (See Lane, F., and Morgan.)
- Morgan, Harry J., Walnut Park, assignor of one-half to C. P. Morgan, Los Angeles, Calif. Apparatus for determining deviation of well holes from the vertical. 1,751,594; Mar. 25.
- Morgan, Hopkin, Scranton, Pa. Coal and refuse tester. 1,758,756; May 13.
- Morgan, Howard, and W. Stephenson, assignors, by direct and mesne assignments, to The Tun-A-Motor Company, Ordway, Colo. Trouble finder. 1,757,917; May 6.
- Morgan Hurrucane Company, The. (See Morgan, William H., assignor.)
- Morgan Hurrucane Company, The. (See Morgan, William H., sr., assignor.)
- Morgan, John D., Summit, N. J. Clear vision method and device for motor vehicles. 1,770,362; July 8.
- Morgan, John D., Summit, N. J. Windshield clear-vision method and device. 1,770,363; July 8.
- Morgan, John D., Maplewood, N. J., assignor to Doherty Research Company, New York, N. Y. Composite refractory brick. 1,769,703; July 1.
- Morgan, Joseph L., Shreveport, La., assignor of one-half to M. G. Callaghan, Dallas, Tex. Closure cap for tanks. 1,775,318; Sept. 9.
- Morgan, Lewis J. (See Moore, John J., assignor.)
- Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Two-speed gearing. 1,761,308; June 3.
- Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Air compressor. 1,780,398; Nov. 4.

- Morgan, Merton W., assignor to Poole Engineering and Machine Company, Baltimore, Md. Flexible shaft coupling. 1,770,743; July 15.
- Morgan, Merton W., assignor to Poole Engineering and Machine Company, Baltimore, Md. Flexible marine-type coupling. 1,770,744; July 15.
- Morgan, Mona, New York, N. Y. Shampoo shield. 1,750,937; Mar. 18.
- Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Conveying mechanism. 1,743,044; Jan. 7.
- Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Handling of coils of wire or the like. 1,762,304; June 10.
- Morgan, Olive E., executrix. (See Morgan, Edmund C.)
- Morgan, Oliver, and J. W. Stark, Wewoka, Okla. Valve for oil-distributing systems. 1,770,988; July 22.
- Morgan, Oliver, and H. W. Strait, Wewoka, Okla. Fluid elevator. 1,757,381; May 6.
- Morgan, Paul W., assignor to Morgan Dry Cleaners Equipment Co., St. Louis, Mo. Filter for cleaning fluids. 1,783,444; Dec. 2.
- Morgan, Philip. (See Holden, A. P., and Morgan.)
- Morgan, Porter S., Darien, Conn., assignor to J. B. Russell, New York, N. Y. Power-transmission device. 1,771,809; July 29.
- Morgan, Ralph L., Worcester, Mass. Continuous wire-drawing machine. 1,746,490; Feb. 11.
- Morgan, Ralph L., Worcester, Mass. Connecting rod. 1,746,491; Feb. 11.
- Morgan, Ralph L., Worcester, Mass. Automatic primer for centrifugal pumps. 1,760,313; May 27.
- Morgan, Richard E., assignor of one-half to J. O. McNair, Orlando, Fla. Toy. 1,769,450; July 1.
- Morgan, Sarah F., Poughkeepsie, N. Y. Maternity supporter. 1,786,544; Dec. 30.
- Morgan, Ted, et al. (See Walker, Jerry S., assignor.)
- Morgan, Walter. (See Moore, W. D., and Morgan.)
- Morgan, Walter, assignor to American Cast Iron Pipe Company, Birmingham, Ala. Ladle-tipping device for casting machines. 1,783,128; Nov. 25.
- Morgan, William D., and E. Knapton, Victoria, British Columbia, Canada. Direction indicator. 1,757,678; May 6.
- Morgan, William E., East Lansing, assignor to Novo Engine Company, Lansing, Mich. Reversing-gear attachment for drum hoists. 1,760,514; May 27.
- Morgan, William H., sr., Alliance, Ohio, assignor, by mesne assignments, to The Morgan Hurricane Company, New York, N. Y. Apparatus for preparing cane stalks. 1,751,838; Mar. 25.
- Morgan, William H., Alliance, Ohio, assignor, by mesne assignments, to The Morgan Hurricane Company, New York, N. Y. Cane harvester. 1,763,632; June 10.
- Morgan, William H., Alliance, Ohio, assignor, by mesne assignments, to The Morgan Hurricane Company, New York, N. Y. Cane cutter. 1,785,743; Dec. 23.
- Morgan, William M., Wynona, Okla. Card game. 1,751,523; Mar. 25.
- Morgan Woodwork Company. (See Zelmer, George R., assignor.)
- Morgan & Wright. (See Abbott, Adrian O., jr., assignor.)
- Morgan & Wright. (See Dolding, Chester J., assignor.)
- Morgan & Wright. (See Eger, Ernst, assignor.)
- Morgan & Wright. (See Hazell, Eardley, assignor.)
- Morgan & Wright. (See Jury, Alfred E., assignor.)
- Morgan & Wright. (See Nesmith, Ralph H., assignor.)
- Morgan & Wright. (See Sawyer, William K., assignor.)
- Morgan & Wright. (See Waseluk, Jacob, assignor.)
- Morgana, Charles, assignor to Briggs Manufacturing Company, Detroit, Mich. Door construction. 1,751,746; Mar. 25.
- Morgardshammars Mekaniska Verkstads Aktiebolag. (See Salwén, R., and Ohn, assignors.)
- Morgenstern, Ronald V., Metuchen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Superimposed telegraph circuits. 1,758,900; May 13.
- Morger, Otto, assignor to Aktiengesellschaft Brown Boveri and Cie., Baden, Switzerland. Knife switch. 1,748,724; Feb. 25.
- Morici, Mazarene G., Chicago, Ill. Power-transmission apparatus. 1,771,228; July 22.
- Morimoto, Tatsuji, Paia, Hawaii. Variable-speed mechanism. 1,760,712; May 27.
- Morimura Bros. Inc. (See Tomita, Urasaburo, assignor.)
- Morin, George G., Holyoke, Mass. Semiautomatic dipper trip and monkey-line winder. 1,765,089; June 17.
- Morin, George G., Holyoke, Mass. Balanced three-way valve. 1,765,090; June 17.
- Morin, Louis H. (See Ames, Glen B., assignor.)
- Morin, Louis H., New York, N. Y. Flexible-shaft-making machine. 1,767,692; June 24.
- Morin, Louis H., New York, N. Y. Flexible-shaft-making machine. 1,767,693; June 24.
- Morin, Louis H., New York, N. Y. Making flexible shafting. 1,767,694; June 24.
- Morin, Louis H., assignor, by mesne assignments, to Doehler Vending Machines, Inc., New York, N. Y. Coin-controlled mechanism. 1,751,246; Mar. 18.
- Morin, Louis H., New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines, Inc. Toilet-roll holder. 1,767,007; June 24.
- Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Metal cabinet. 1,767,008; June 24.
- Morin, Louis H., New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines Inc. Dispenser for particulate materials. 1,767,009; June 24.
- Morin, Louis H., New York, N. Y. Machine for making flexible shafting. 1,772,191; Aug. 5.
- Morin, Thomas E., Burke, N. Y. Pump-supporting means. 1,746,863; Feb. 11.
- Moritz, Edwin P., assignor to International Combustion Engineering Corporation, New York, N. Y. Apparatus for generating steam. 1,778,721; Oct. 21.
- Mork, Harry S., Brookline, Mass., assignor to Delaware, Lackawanna & Western Coal Co., New York, N. Y. Identifying fuel and product thereof. 1,748,787; Feb. 25.
- Morland & Impey, Limited. (See Power, Richard F., assignor.)
- Moriang, George H., Santa Monica, Calif. Rod wiper. 1,747,592; Feb. 18.
- Morley, Earl M. (See Neilson, James R., assignor.)
- Morley, George E., Detroit, Mich. Cocktail shaker. 1,744,328; Jan. 21.
- Morley, Guilford S., University City, assignor to Majestic Manufacturing Company, St. Louis, Mo. Construction of stoves. 1,750,853; Mar. 18.
- Morral, Samuel E. and W. W., Morral, Ohio. Butt removing mechanism. 1,763,173; June 10.
- Morral, William W. (See Morral, Samuel E. and W. W.)
- Morrell, Alfred F., assignor to Crampton & Knowles Loom Works, Worcester, Mass. Thread holder for weft-replenishing looms. 1,786,671; Dec. 30.
- Morrell, Jacques C. (See Dubbs, C. P., and Morrell.)
- Morrell, Jacques C. (See Egloff, G., and Morrell.)
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for vapor fractionation. 1,744,134; Jan. 21.
- Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 1,770,181; July 8.
- Morrell, Jacques C., and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking petroleum oil. 1,767,695; June 24.
- Morrell, Jacques C., and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Process and apparatus for converting hydrocarbons. 1,783,257; Dec. 2.
- Morrell, Jacques C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Making resins. 1,744,135; Jan. 21.
- Morrell, Jacques C., and G. Egloff, assignors to Universal Oil Products Company, Chicago, Ill. Producing resins. 1,766,927; June 24.
- Morren, William J., Hamilton, Ontario, Canada. Combination handsaw. 1,754,035; Apr. 8.
- Morrill, Elliott. (See Kritchevsky, W., Prutsman, and Morrill.)
- Morrill, Jesse J., administrator. (See Morrill, Milo.)
- Morrill, Milo, deceased, Provo, Utah; J. J. Morrill, administrator. Airplane control mechanism. 1,749,256; Mar. 4.
- Morrill, Philip E., Webster Groves, assignor to Bemis Bro. Bag Co., St. Louis, Mo. Bag or sack tie. 1,778,955; Oct. 21.
- Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Induction motor. 1,771,936; July 29.
- Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Magnetic core. 1,783,050; Nov. 25.
- Morris, Adrian K., Atlanta, Ga. Face and head mask. 1,769,186; July 1.
- Morris, Agnes A., Minneapolis, Minn. Drainer. 1,763,174; June 10.
- Morris, Albert S., Oakland, Calif. Device for locking windshield wipers. 1,761,531; June 3.
- Morris, Albert S., Oakland, Calif. Adjustable water-sprinkler holder. 1,780,308; Nov. 4.
- Morris, Albert W., Philadelphia, Pa., assignor to G. E. Coblens, New York, N. Y. Drying articles. 1,757,205; May 6.
- Morris, Albert W., Drexel Hill, and S. P. Wetherill, jr., Haverford, assignors to Wetherill-Morris Engineering Company, Philadelphia, Pa. Casting machine. 1,746,360; Feb. 11.
- Morris, Albert W., Drexel Hill, and S. P. Wetherill, jr., Haverford, assignors to Wetherill-Morris Engineering Company, Philadelphia, Pa. Casting machine. 1,747,728; Feb. 18.
- Morris, Albert W., Drexel Hill, and S. P. Wetherill, jr., Haverford, assignors to Wetherill-Morris Engineering Company, Philadelphia, Pa. Apparatus for pouring liquids such as molten metal. 1,749,083; Mar. 4.
- Morris, Albert W., Drexel Hills, and S. Price Wetherill, jr., Haverford, assignors to Wetherill-Morris Engineering Company, Philadelphia, Pa. Attachment for casting machines. 1,756,602; Apr. 29.
- Morris, Benjamin F. C. (See Porter, L. N., and Morris.)
- Morris, Carl, and W. H. Buck, assignors of one-third to O. Infelt, Thornton, Iowa. Railroad mowing machine. 1,783,517; Dec. 2.
- Morris, Charles E., Leavenworth, Kans. Coasting apparatus. 1,751,096; Mar. 18.
- Morris Commercial Cars Limited. (See King, Charles F. L., assignor.)
- Morris, D. F., et al. (See Barilli, A. E. H., and Hyle, assignors.)

- Morris, Earl H., Uniontown, Ky. Derrick. 1,770,654; July 15.
- Morris, Edmund. (See Vanderveld, A., and Morris.)
- Morris, Edmund, Grand Rapids, assignor to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Partition holder for counters. 1,767,806; June 24.
- Morris, Edmund, assignor to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Adjustable partition support. 1,770,942; July 22.
- Morris, Edmund, and A. Vanderveld, assignors to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Counter-partition support. 1,781,408; Nov. 11.
- Morris, Edward. (See Wilder, F. L., Morris, Schiff, and King.)
- Morris, Edward A., Sacramento, Calif. Certificate holder. 1,764,114; June 17.
- Morris, Edward T., London, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Sheet-insetting mechanism for rotary multiple-web-printing machines. 1,748,988; Mar. 4.
- Morris, Edwin B., Clayton, Mo. Outer covering for the moistening and inking form rollers of lithographic offset-printing machines. 1,760,370; May 27.
- Morris, Emmet L., Marquette, Iowa. Athletic score board. 1,774,721; Sept. 2.
- Morris, Evan B., deceased, Cedar Bluffs, Nebr. M. L. Morris, administratrix. Farrowing house. 1,786,769; Dec. 30.
- Morris, Frank L., assignor of one-half to E. A. McGee, Los Angeles, Calif. Metal railway tie. 1,779,138; Oct. 21.
- Morris, Fred C., San Francisco, Calif. Antirattling bushing. 1,758,712; May 13.
- Morris, Fred C., San Francisco, Calif. Brake lining. 1,784,994; Dec. 16.
- Morris, George B., and F. L. Ingleright, assignors to Bradford Motor Works, Bradford, Pa. Valve for working barrels. 1,746,957; Feb. 11.
- Morris, George D., assignor to New Castle Refractories Company, New Castle, Pa. Tunnel-kiln car. 1,755,701; Apr. 22.
- Morris, George J., Los Angeles, Calif. Faucet fitting. 1,747,640; Feb. 18.
- Morris, George R., Dola, W. Va. Railway-signal holding and positioning device. 1,748,557; Feb. 25.
- Morris, Harry, Atlanta, Ga. Detonating toy. 1,759,756; May 20.
- Morris, Howard A., and J. P. Aldrich, assignors to The Automat Molding and Folding Company, Toledo, Ohio. Feeding and cutting mechanism. 1,742,663; Jan. 7.
- Morris, Howard I., assignor to The Yoder Pencil Company, Cleveland, Ohio. Writing device. 1,751,941; Mar. 25.
- Morris, Howard I., Lakewood, assignor, by mesne assignments, to The Yoder-Morris Company, Cleveland, Ohio. Machine for cutting strips. 1,769,187; July 1.
- Morris, Hubert C., Albany, Oreg. Sawmill. 1,747,123; Feb. 11.
- Morris, Hubert C., Albany, Oreg. Ironing board. 1,785,280; Dec. 16.
- Morris, I. P., Corporation. (See Klouman, Frederick A., assignor.)
- Morris, I. P., Corporation. (See Kruse, Otto V., assignor.)
- Morris, I. P., Corporation. (See Sharp, Robert E. B., assignor.)
- Morris, I. P., Corporation. (See Taylor, Harvey B., assignor.)
- Morris, I. P., and De La Vergne, Inc. (See Lerner, Chester W., assignor.)
- Morris, James J., Rockford, Ill. Multiple-spindle rotary turning machine. 1,743,862; Jan. 14.
- Morris, James W., Oakland, and J. L. Ruddick, Berkeley, Calif. Mop handle. 1,759,061; May 20.
- Morris, John, Bayonne, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Stoker. 1,775,171; Sept. 9.
- Morris, John K., Richmond Hill, N. Y. Device for expanding short pipes. 1,762,732; June 10.
- Morris, John R., Philadelphia, Pa. Adjustable pipe suspender. 1,784,244; Dec. 9.
- Morris, John T., Glen Morrison, W. Va. Apparatus for inverting mine cars. 1,754,395; Apr. 15.
- Morris, Joseph E., assignor of one-quarter to C. M. Tuck, Seattle, Wash. Transit concrete mixer. 1,763,249; June 10.
- Morris, Joseph P., Bridgeport, Conn. Machine for cutting bias fabrics. 1,787,208; Dec. 30.
- Morris, Joseph W., Tonkawa, Okla. Game indicator for card tables. 1,763,475; June 10.
- Morris, Joseph W., Tonkawa, Okla. Card-table indicator. 1,763,476; June 10.
- Morris, Leiella, Dallas, Tex. Composition of matter. 1,781,730; Nov. 18.
- Morris, Levi C., North Canton, Ohio. Electric program clock. 1,784,195; Dec. 9.
- Morris, Lou A., Aurora, Nebr. Making potato chips. 1,767,389; June 24.
- Morris, Louis, Kansas City, Mo. Automatic variable-pitch propeller blade for airplanes. 1,765,091; June 17.
- Morris, Marion C., Rosemary, N. C. Clamp. 1,753,057; Apr. 1.
- Morris, Mary L., administratrix. (See Morris, Evan B.)
- Morris, Nathan, Brooklyn, N. Y. Soldering iron. 1,763,900; June 17.
- Morris Paper Mills Company. (See McClelland, R., Powell, and Leopold, assignors.)
- Morris Paper Mills Company. (See Powell, Henry K., assignor.)
- Morris, Raymond G., et al. (See Morris, William R., assignor.)
- Morris, Robert C., Upland, Calif. Juice extractor. 1,747,641; Feb. 18.
- Morris, Robert E., Salisbury, Md. Window construction. 1,759,705; May 20.
- Morris, Robert H., et al. (See Morris, William R., assignor.)
- Morris, Ross, Zillah, Wash. Rotary dispensing bin. Re-17,769; Aug. 12.
- Morris, Roy H. (See Kasuboski, C. B., and Breed, assignors.)
- Morris, Thomas E., Longmeadow, Mass. Automatic temperature-relief valve. 1,755,964; Apr. 22.
- Morris, Thomas L., Van Nuys, Calif. Rotary fluid pump. 1,785,140; Dec. 16.
- Morris, Thomas O., Harrisburg, Pa., and J. J. Lawlor, Plainfield, N. J., assignors, by mesne assignments, to Automatic Molding Machine Corporation, Dover, Del. Molding machine. 1,782,762; Nov. 25.
- Morris, Thomas O., Easton, Pa., and J. J. Lawlor, Plainfield, N. J., assignors to Automatic Molding Machine Corporation, Dover, Del. Molding machine. 1,784,995; Dec. 16.
- Morris, Thomas O., Easton, Pa., and J. J. Lawlor, Plainfield, N. J., assignors to Automatic Molding Machine Corporation, Dover, Del. Molding machine. 1,786,672; Dec. 30.
- Morris Truck and Wheel Co. Inc. (See Naschke, Harry C., jr., assignor.)
- Morris, Walter R., Winston-Salem, N. C. Accelerator. 1,757,018; May 6.
- Morris, Walter S., Toronto, Ontario, Canada. Golf tee. 1,761,532; June 3.
- Morris, William A., El Reno, Okla. Chuck. 1,773,005; Aug. 12.
- Morris, William C., Langley Field, Va. Flight-altitude indicator. 1,760,163; May 27.
- Morris, William L., et al. (See Martino, Ciro L., assignor.)
- Morris, William L., Chicago, Ill. Grease feeder. 1,749,830; Mar. 11.
- Morris, William L., Chicago, Ill., assignor to Bendix Aviation Corporation, New York, N. Y. Grease feeder. 1,756,657; Apr. 29.
- Morris, William R., Fairfield, assignor of one-half to R. H. Morris, and one-half to R. G. Morris, Boise, Idaho. Hydraulic power device. 1,783,887; Dec. 2.
- Morrison, Albert C., San Francisco, Calif. Grill. 1,776,322; Sept. 23.
- Morrison, Andrew M., Dubuque, Iowa. Concentrated control unit. 1,755,451; Apr. 22.
- Morrison, Bartholomew J., Baltimore, Md. Boiler. 1,752,389; Apr. 1.
- Morrison, Carrie B., Pawnee Station, Kans. Thumb saver. 1,755,014; Apr. 15.
- Morrison, Charles, Hagerstown, Md., assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,765,497; June 24.
- Morrison, Charles S., Elkins Park, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Toggle. 1,753,058; Apr. 1.
- Morrison, Clifford O. (See Weldon, Melvin E., assignor.)
- Morrison, Curtis R., Marshfield, Oreg. Aeroplane. 1,760,164; May 27.
- Morrison, Edgar H., Virginia Beach, Va. Phonograph disk record. 1,755,743; Apr. 22.
- Morrison, Frederick C., Syracuse, N. Y. Apparatus for casting molten metal or other fluent or semifluent material. 1,759,269; May 20.
- Morrison, George W., Holliday, Tex. Transmission. 1,760,991; June 3.
- Morrison, Howard C. (See Mayhall, J. M., and Morrison.)
- Morrison, Isaac H., Detroit, Mich. Built-up partition pillar. 1,752,103; Mar. 25.
- Morrison, Jess F., Dunham, Ky. Trolley-wire guard. 1,743,156; Jan. 14.
- Morrison, Jesse A., Salt Creek, and E. T. William, Casper, Wyo., assignors, by mesne assignments, to W. J. Cheley, Tulsa, Okla. Well-shooting device. 1,764,222; June 17.
- Morrison, John A., Seattle, Wash., assignor to Safety Signal Company. Crossing signal. 1,757,206; May 6.
- Morrison, John W., Lakeport, Calif. Mouse trap. 1,743,614; Jan. 14.
- Morrison, Lawrence W., assignor to Kozy Comfort Shoe Manufacturing Company, Milwaukee, Wis. Making shoes. 1,775,290; Sept. 9.
- Morrison, Louis, New York, N. Y. Clip for a fountain pen or similar article. Des. 82,341; Oct. 21.
- Morrison, Louis, New York, N. Y. Fountain pen or similar article. Des. 82,897; Dec. 23.
- Morrison, Louis A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phonograph needle. 1,784,845; Dec. 16.
- Morrison Machine Products, Inc. (See O'Connell, James R., assignor.)
- Morrison, Max P., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Aerial tramway. 1,760,077; May 27.
- Morrison, Montford, Chicago, Ill. Flow meter and making same. 1,759,239; May 20.
- Morrison, Montford, Chicago, Ill. Integrator and recorder. 1,785,525; Dec. 16.

- Morrison, Paul R., assignor to Modern Machine and Auto Body Co., San Diego, Calif. Vehicle spring apparatus. 1,770,278; July 8.
- Morrison, Paul R., assignor to Modern Machine and Auto Body Co., San Diego, Calif. Vehicle frame and detachable power unit apparatus. 1,770,279; July 8.
- Morrison, Richard C. (See Bassett, H. P., and Morrison.)
- Morrison, Robert A., and F. L. Oswald, Portland, Oreg. Ironing table. 1,765,992; June 24.
- Morrison, Robert F., Oak Park, assignor to Elder & Robinson Co., Chicago, Ill. Plastic-candy-forming machine. 1,759,411; May 20.
- Morrison, Robert N. (See Cheswright, Leonard K., assignor.)
- Morrison, Simon, New York, N. Y. Vanity case. Des. 82,964; Dec. 30.
- Morrison Stitcher Corporation. (See Allen, Howard G., assignor.)
- Morrison, Thomas P., Blackwell, Okla., assignor of one per cent to A. Parks and one-twentieth to H. K. Highsmith. Apparatus for cleaning furnaces, retorts, and the like. 1,745,703; Feb. 4.
- Morrison, Albert C., San Francisco, Calif. Grill. 1,744,409; Jan. 21.
- Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Thermostatic valve control. 1,762,187; June 10.
- Morrow, Clarence H., assignor to Hotstream Heater Company, Cleveland, Ohio. Thermostat. 1,762,188; June 10.
- Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Dirt trap for thermostats. 1,785,387; Dec. 16.
- Morrow, Dean S., Eugene, Oreg. Remote control means for cranes. 1,765,173; June 17.
- Morrow, E. Luster A., Sunnyside, Wash. Assorting-table deflecting means. 1,755,660; Apr. 22.
- Morrow, Emmet H., assignor to Automatic Oilingseal Corporation, Chicago, Ill. Attachment for oil cans. 1,767,223; June 24.
- Morrow, Emmet H., Chicago, Ill., assignor to Automatic Oilingseal Corporation. Attachment for oil cans. 1,782,579; Nov. 25.
- Morrow, Frank C. (See Cook, Henry, assignor.)
- Morrow, Frank C., Wellston, Ohio. Screen. 1,747,124; Feb. 11.
- Morrow, Harry L., assignor of one-fourth to F. H. Miller, Grand Valley, Colo. Motion-picture device. 1,744,660; Jan. 21.
- Morrow, Howard B., La Porte, Ind. Oil cup. 1,766,345; June 24.
- Morrow, Isaac E., Dallas, Tex. Door-operating device. 1,781,594; Nov. 11.
- Morrow, Joseph H., assignor to Fuller Company, Catsaugua, Pa. Conveying system. 1,778,429; Oct. 14.
- Morrow, Lloyd E., Milan, Ohio. Attachment for farm tractors. 1,760,882; June 3.
- Morrow, S. Grover, trustee. (See Toomey, R. E. S., and Evans, assignors.)
- Morse, Albert W., Forest Hills, and W. E. Wollheim, New York, assignors to The Anthony Company, Long Island City, N. Y. Strainer. 1,774,758; Sept. 2.
- Morse Andrews Company. (See Morse, William J., assignor.)
- Morse Boulder Destructor Co. (See Mann, Arthur H., assignor.)
- Morse Boulder Destructor Company. (See Thompson, Samuel H., assignor.)
- Morse Chain Company. (See Morse, Frank L., assignor.)
- Morse Chain Company. (See Perry, David B., assignor.)
- Morse Chain Company. (See Thompson, Fred C., assignor.)
- Morse, Clark T., assignor, by mesne assignments, to American Blower Corporation, Detroit, Mich. Blower. 1,750,681; Mar. 18.
- Morse, Clark T., and E. L. Hogan, assignors, by mesne assignments, to American Blower Corporation, Detroit, Mich. Dust collection. 1,785,453; Dec. 16.
- Morse, Earle H. (See McKee, R. H., Morse, and Rollhaus.)
- Morse, Frank L. (See Morse, Robert V., assignor.)
- Morse, Frank L., Ithaca, N. Y. Power-actuated door. 1,747,178; Feb. 18.
- Morse, Frank L., Ithaca, N. Y. Door-operating mechanism. 1,777,526; Oct. 7.
- Morse, Frank L., Ithaca, N. Y. Drive chain. 1,784,023; Dec. 9.
- Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive chain. 1,743,157; Jan. 14.
- Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Power-transmission chain. 1,755,887; Apr. 22.
- Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive chain. 1,769,960; July 8.
- Morse, Frank L., Ithaca, N. Y., assignor to Morse Chain Company. Drive chain. 1,770,989; July 22.
- Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Chain-adjusting device. 1,777,527; Oct. 7.
- Morse, James T., Brentwood Heights, Calif. Position indicator for aircraft. 1,748,454; Feb. 25.
- Morse, Lawrence H., assignor to The American Multigraph Company, Cleveland, Ohio. Paper-feeding mechanism. 1,743,158; Jan. 14.
- Morse, Lawrence H., assignor to The American Multigraph Company, Cleveland, Ohio. Paper-feeding mechanism. 1,766,137; June 24.
- Morse, Lawrence H., assignor to The American Multigraph Company, Cleveland, Ohio. Device for loading type. 1,775,438; Sept. 9.
- Morse, Robert V., assignor to F. L. Morse, Ithaca, N. Y. Garage-door opener. 1,755,788; Apr. 22.
- Morse, William J., Attleboro, Mass. Combined collar and necktie holder. 1,780,532; Nov. 4.
- Morse, William J., Attleboro, Mass. Clamp lever for buckles. 1,783,854; Dec. 2.
- Morse, William J., assignor to Morse Andrews Company, Attleboro, Mass. Buckle. Des. 81,199; May 20.
- Morshead, Leslie R., London, England. Apparatus for the projection of light. 1,777,805; Oct. 7.
- Morss, Burton B., Decorah, Iowa. Holder for golf balls or the like. 1,778,225; Oct. 14.
- Mort, Lee H., Pittsburgh, Pa. Attachment for internal-combustion engines. 1,783,746; Dec. 2.
- Mortensen, Chris. (See Christiansen, N., and Mortensen.)
- Mortensen, Cornelius, Louisville, Ky. Pasteurizing apparatus. 1,749,257; Mar. 4.
- Mortensen, Jens N., Brooklyn, assignor to Boorum & Pease Company, New York, N. Y. Loose-leaf binder. 1,780,835; Nov. 4.
- Mortensen, Niels L., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motor-driven machinery. 1,767,606; June 24.
- Mortensen, Niels L., Milwaukee, and C. Stansbury, Wauwatosa, assignors, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Motor-control system. 1,771,896; July 29.
- Mortrud, Einar, Toredrod, near Moss, Norway. Heat-transmitting apparatus. 1,770,320; July 8.
- Mortrud, Einar, Torderod, near Moss, Norway. Utilization of waste steam from evaporation apparatus in pulpdigesting plants. 1,771,810; July 29.
- Mortrud, Einar, Torderod, near Moss, Norway. Blowing out pulp digesters. 1,776,761; Sept. 23.
- Mortrud, Einar, Torderod, near Moss, Norway. Pulp digester. 1,777,217; Sept. 30.
- Mortrud, Einar, Torderod, near Moss, Norway. Circulation system for pulp digesters. 1,779,283; Oct. 21.
- Mortrud, Einar, Torderod, near Moss, Norway. Digester for sulphite wood pulp. 1,785,591; Dec. 16.
- Morthland, John A., Forest Park, Ill. Supporting bracket. 1,783,666; Dec. 2.
- Mortimer, Charles W., Upper Montclair, N. J., assignor to The Barrett Company. Shingle and cutting the same. 1,744,490; Jan. 21.
- Mortimer, Harry B., assignor to Silcock Airadiator Corporation, Milwaukee, Wis. Electric motor and dynamo machine. 1,748,075; Feb. 25.
- Mortland, Herbert E., Glendale, assignor to Pevely Dairy Company, St. Louis, Mo. Treating milk. 1,757,464; May 6.
- Morton, Allen W., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Piston ring. 1,749,831; Mar. 11.
- Morton, Allen W., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Piston ring. 1,749,832; Mar. 11.
- Morton, Allen W., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Piston ring. 1,756,905; Apr. 29.
- Morton, Benjamin A., New York, N. Y. Antivibration device. 1,771,229; July 22.
- Morton, Benjamin A., New York, N. Y. Window structure. 1,774,808; Sept. 2.
- Morton, Benjamin A., New York, N. Y. Sectional illuminated sign. 1,784,677; Dec. 9.
- Morton, Charles, Philadelphia, Pa. Bird bath. 1,758,674; May 13.
- Morton, Charles, Pawtucket, R. I. Spinning frame. 1,783,301; Dec. 2.
- Morton, Charles D., assignor to Morton System, Inc., New York, N. Y. Filtering. 1,762,560; June 10.
- Morton, Denis T., Graysville, Tenn. Scaffold. 1,776,565; Sept. 23.
- Morton, Dudley J., New Haven, Conn. Kinetograph. 1,773,113; Aug. 19.
- Morton, Edmund R. (See Stoller, H. M., and Morton.)
- Morton, Harold A., Akron, Ohio. Aldehyde and antioxidant agent and process. 1,766,760; June 24.
- Morton, Harold A., Akron, Ohio. Vulcanization accelerator. 1,784,703; Dec. 9.
- Morton, Harry E., Hyde Park, Mass. Toy electric locomotive. 1,766,185; June 24.
- Morton, Henry S., Forest Glen, Md. Injection apparatus. 1,767,304; June 24.
- Morton, James, Cramond Bridge, West Lothian, Scotland. Manufacture of color-printed fabrics. 1,744,410; Jan. 21.
- Morton, John B., jr., Charleston, W. Va. Automobile parking signal. 1,745,944; Feb. 4.
- Morton Manufacturing Company. (See Bates, Luther E., assignor.)
- Morton Manufacturing Company. (See Schroyer, Harry H., assignor.)
- Morton, Rolla A., Long Beach, Calif., assignor to Western Wheeled Scraper Company, Aurora, Ill. Delivery spout. 1,745,110; Jan. 28.
- Morton, Rolla A., Long Beach, Calif., assignor to Western Wheeled Scraper Company, Aurora, Ill. Elevator. 1,785,141; Dec. 16.

- Morton, Rolla A., and E. P. Henry, Long Beach, Calif., assignors to Western Wheeled Scraper Company, Aurora, Ill. Conveyor. 1,743,679; Jan. 14.
- Morton, Sterling, and H. L. Krum, assignor, by mesne assignments, to Teletype Corporation, Chicago, Ill. Telegraph receiver. 1,745,633; Feb. 4.
- Morton System, Inc. (See Morton, Charles D., assignor.)
- Morton, William A., assignor, by mesne assignments, to Amco Incorporated, Pittsburgh, Pa. Apparatus for melting glass and the like. 1,760,371; May 27.
- Morton, William B., and L. F. Beisner, Beatrice, Nebr. Display equipment. 1,765,935; June 24.
- Morton, William F., Portland, Oreg. Sign. 1,784,704; Dec. 9.
- Mosby, Alfred D., assignor to Equipment Corporation of America, Chicago, Ill. Concrete mixer. 1,775,652; Sept. 16.
- Mosel, Charles, Kerrville, Tex. Chicken feeder. 1,759,320; May 20.
- Mosel, Joseph H., Lakewood, assignor, by mesne assignments, to The Jaeger Machine Company, Columbus, Ohio. Road-making machine. 1,773,431; Aug. 19.
- Moseley, Alexander W., Evanston, assignor to Sloan Valve Company, Chicago, Ill. Valve. 1,778,865; Oct. 21.
- Moser, Adolph, Xenia, Ohio. Portable kitchenette and the like. 1,747,877; Feb. 18.
- Moser, Felix, Holland, Mich. Sounding-board bridge for pianos. 1,747,729; Feb. 18.
- Moser, Felix, Holland, Mich. Action for grand pianos. 1,771,685; July 29.
- Moser, Frank R., jr., assignor to St. Louis Scale Corporation, St. Louis, Mo. Weighing scale. 1,765,691; June 24.
- Moser, Franz R., Bussum, Netherlands. Treating dispersions. 1,759,913; May 27.
- Moser, Frederick C., East Brook, Pa. Cylinder honing device. 1,781,856; Nov. 18.
- Moser, Geo., Leather Co. (See Slebodnik, Coleman, assignor.)
- Moser, Wilhelm, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for multistage audio amplification. 1,757,466; May 6.
- Moser, Wilhelm, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for wireless telegraphy and telephony. 1,757,467; May 6.
- Moses, Adolph, Mount Vernon, assignor to Chevron Motor Corporation, New York, N. Y. Internal-combustion engine. 1,773,196; Aug. 19.
- Moses, Amaziah J., and F. H. Wright, assignors to The Casey-Hedges Company, Chattanooga, Tenn. Handhole plate. 1,783,129; Nov. 25.
- Moses, Bertram, Garden City, Kans. Optical device. 1,758,801; May 13.
- Moses, Cassie R., Davenport, Iowa. Umbrella. 1,783,972; Dec. 9.
- Moses, Charles F., Sheboygan, Wis., assignor of fifty-one one-hundredths to Gardner Lumber Company. Gang saw. 1,767,390; June 24.
- Moses Frederick G., New York, R. W. Hess, Buffalo and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Concentration of minerals. 1,774,183; Aug. 26.
- Moses, George, Fishers Island, N. Y. Fountain pen. 1,778,195; Oct. 14.
- Moses, Herbert B., Washington, D. C. Reserve and conservation of infants. 1,755,359; Apr. 22.
- Moses, Kirke L., Brookline, Mass. Laminated sheet material. 1,758,053; May 13.
- Mosgrove, Charles A., Waterbury, Conn., assignor to The Autoyre Company. Condiment stand. 1,744,054; Jan. 21.
- Mosgrove, Charles A., Waterbury, assignor to The Autoyre Company, Oakville, Conn. Swinging-arm towel rack. 1,782,828; Nov. 25.
- Mosher, Charles D., Hyde Park, Mass. Tubular air heater. 1,757,327; May 6.
- Mosher, Claud J., assignor of forty-nine per cent to S. C. Taylor, Seattle, Wash. Tire-alarm valve. 1,759,362; May 20.
- Mosher, Solomon, Albany, N. Y. Book covering. 1,779,980; Oct. 28.
- Mosier, Donald C., Sultan, Wash. Hair drier. 1,764,462; June 17.
- Mosier, Wilhelm, and E. Tod, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Key-operating arrangement for short-wave tube transmitters. 1,786,257; Dec. 23.
- Mosinee Paper Mills Company. (See Kernin, Alfred G., assignor.)
- Moskovits, Sigmund J., Bayonne, N. J. Seal. 1,751,839; Mar. 25.
- Moskovitz, Philip and S., Philadelphia, Pa. Hair waver. 1,771,686; July 29.
- Moskovitz, Sophia. (See Moskovitz, Philip and S.)
- Moskow, Joseph G. (See Blaun, H. L., and Moskow.)
- Moskovitz, Ben Z., assignor, by mesne assignments, to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Vacuum-tube socket. 1,782,437; Nov. 25.
- Moss, Charles M., Pittsburgh, and A. J. A. Peterson, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Automatic station. 1,764,332; June 17.
- Moss, Effie H., Chillicothe, Ohio. Soft rubberlike composition. 1,784,070; Dec. 9.
- Moss, Ernest, Moose Jaw, Saskatchewan, Canada. Oven. 1,776,475; Sept. 23.
- Moss, Harold J., New York, N. Y. Shower nozzle attachment. 1,751,524; Mar. 25.
- Moss, Herbert H., Brooklyn, N. Y., assignor to The Linde Air Products Company. Structural joint and making the same. 1,760,883; June 3.
- Moss, Herbert H., Belleville, N. J., assignor to The Linde Air Products Company. Joint for structural shapes and making the same. 1,760,955; June 3.
- Moss, Herbert H., Belleville, N. J., assignor to The Linde Air Products Company. Metallic structure and making same. 1,760,956; June 3.
- Moss, Herbert H., Brooklyn, N. Y., assignor to The Linde Air Products Company. Column connection. 1,774,286; Aug. 26.
- Moss, James S., Indianapolis, Ind. Combined curtain-rod and window-shade mounting. 1,779,612; Oct. 28.
- Moss, Jesse J., Temple, Tex. Store-service device. 1,773,540; Aug. 19.
- Moss, Joseph, Woonsocket, assignor to Woonsocket Machine & Press Co., Inc., Woonsocket, R. I. Mechanism for handling and distributing fibers. 1,760,848; May 27.
- Moss, Leroy D., Beloit, Kans. Aeroplane. 1,756,469; Apr. 29.
- Moss, Leroy H. (See Wanner, H. C., and Moss.)
- Moss, Roscoe, Company. (See Moss, Roscoe, assignor.)
- Moss, Roscoe, Los Angeles, Calif., assignor to Roscoe Moss Company. Well-casing perforator. 1,785,419; Dec. 16.
- Moss, Thomas R., Dyersburg, Tenn. Ash tray. 1,779,327; Oct. 21.
- Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Soluble and fusible synthetic resin and making the same. 1,743,680; Jan. 14.
- Mossbach, Henry, Seattle, Wash. Gauge for gasoline tanks, etc. 1,781,030; Nov. 11.
- Mossbacher, Solomon, assignor of one-half to E. M. Schreiber, New York, N. Y. Necktie rack. 1,767,545; June 24.
- Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Bobbin. 1,746,047; Feb. 4.
- Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
- Mosser, Orie J., assignor to The Cambridge Glass Co., Cambridge, Ohio. Tumbler or similar article. Des. 80,330; Jan. 14.
- Most, Guy A., et al. (See Wolfe, John A., assignor.)
- Most, Lucifer J., Kearny, N. J. Mechanical pencil. Des. 81,756; Aug. 5.
- Most, Lucifer J., assignor to Mabie Todd & Co., New York, N. Y. Pen desk set. 1,758,199; May 13.
- Mostowy, George, Winnipeg, Manitoba, Canada. Building bracket. 1,774,838; Sept. 2.
- Motejl, Albert. (See Jordan, James, assignor.)
- Motive Devices, Inc. (See Dusevolr, Julius, assignor.)
- Motley, Lewis, Staines, England. Waterproofing sacks, bags, or other articles. 1,745,437; Feb. 4.
- Moto Meter Gauge & Equipment Corporation. (See Behnke, Cord H., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Cheney, Moses E., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Chéron, Pierre J., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Collins, William A., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Gelatt, Philo M., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Goch-nauer, Walter E., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Manuel, Charles J., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See McCoy, William C., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Pad-esky, John R., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Schupp, Alfred B., assignor.)
- Moto Meter Gauge & Equipment Corporation. (See Sieper, Otto, assignor.)
- Moto-Mower Company. (See Blydenburgh, Harold L., assignor.)
- Motor and Plane Accessories, Inc. (See O'Brien, John J., assignor.)
- Motor City Sales Company. (See Hamrol, Felix, assignor.)
- Motor-Columbus Aktiengesellschaft Für Elektrische Unternehmen. (See Hoffmann, Gottfried, assignor.)
- Motorenfabrik Deutz, Aktiengesellschaft. (See Schmidt, Kurt, assignor.)
- Motorenfabrik Deutz, Aktiengesellschaft. (See Gaupp, Rudolf, assignor.)
- Motorheater Company. (See Shichter, Charles S., assignor.)
- Motor Industries, Inc. (See LaBrie, Ludger E., assignor.)
- Motor Industries, Inc. (See Lyford, Robert E., assignor.)
- Motor Inn Ramp Corporation. (See Test, Skiles E., assignor.)
- Motor Products Corporation. (See Crowe, Orley J., assignor.)
- Motor Products Corporation. (See Kellogg, Homer G., assignor.)
- Motor Products Corporation. (See Pritchard, William S., assignor.)

- Motor Products Corporation. (See Raftrey, Clarence A., assignor.)
- Motor Terminals Company. (See Bates, Albert H., assignor.)
- Motor Terminals Company. (See Fitch, Benjamin F., assignor.)
- Motor Wheel Corporation. (See Baker, Erle K., assignor.)
- Motor Wheel Corporation. (See Platt, Howard I., assignor.)
- Motor Wheel Corporation. (See Valjean, Ben, assignor.)
- Motor Wheel Corporation. (See Van Halteren, Andrew S., assignor.)
- Motor Wheel Corporation. (See Wilson, Moses W. H., assignor.)
- Mott, Abram C., jr., assignor to Abram Cox Company, Lansdale, Pa. Boiler furnace. 1,754,176; Apr. 8.
- Mott, Chester, Denver, Colo., assignor, by mesne assignments, to Union Carbide and Carbon Research Laboratories, Inc. Machine for cutting irregular shapes. 1,755,789; Apr. 22.
- Mott, Everett V., Queens, L. H. Rovere, Richmond, N. Y., and D. H. Rowland, Baltimore, Md., assignors to The Western Union Telegraph Company, New York, N. Y. Ground-resistance test set. 1,744,566; Jan. 21.
- Mott, George E., Malden, Mass., assignor to W. W. Burns, Washington, D. C. Pneumatic protector for athletes. 1,757,019; May 6.
- Mott, George G., Pasadena, Calif. Window shade. 1,749,223; Mar. 4.
- Mott, George T., Pearl River, N. Y. Apparatus for heat exchanging. 1,758,582; May 13.
- Mott, John M., Moscow, Pa. Milk-bottle-cap remover. 1,779,556; Oct. 28.
- Mott, Judson L., assignor to Merchants Advertising Company, Adrian, Mich. Clock. 1,769,154; July 1.
- Mott, William T., Washington, D. C. Plastering gauge for door or window openings. 1,762,664; June 10.
- Motte, Joseph, assignor to Etablissements Motte-Dewavrin, Tourcoing, France. Pressure rollers for spinning machines and the like. 1,742,553; Jan. 7.
- Motte, Joseph, assignor to Société Etablissements Motte-Dewavrin, Tourcoing, France. Pressure roller for spinning machines and the like. 1,772,615; Aug. 12.
- Mottl, César, Alpes-Maritime, France. Camera. 1,755,452; Apr. 22.
- Mottlau, August J. (See James, H. D., and Mottlau.)
- Moudry, Annette, New York, N. Y. Cushion or pillow cover. Des. 82,047; Sept. 16.
- Mougeotte, Auguste A. G., Melay, France. Chair. 1,770,321; July 8.
- Mougey, Harry C., assignor to General Motors Research Corporation, Dayton, Ohio. Finishing surfaces with cellulose nitrate lacquers. 1,753,616; Apr. 8.
- Mougey, Harry C., assignor to General Motors Research Corporation, Detroit, Mich. Soldering flux. 1,783,925; Dec. 2.
- Mould, James A., Milwaukee, Wis. Internal-combustion engine. 1,782,740; Nov. 25.
- Moulder, Albert W., Warren, Ohio, assignor to General Fire Extinguisher Company, Providence, R. I. Heating system. 1,784,609; Dec. 9.
- Moulthrop, Lambert H., South Norwalk, Conn. Electric soldering device. 1,767,607; June 24.
- Moulton, Albert B., Riverhead, N. Y., assignor to Radio Corporation of America. Method and apparatus for combining a plurality of signals. 1,758,617; May 13.
- Moulton, Albert B., Riverhead, N. Y., assignor to Radio Corporation of America. Capacity neutralized switch. 1,763,406; June 10.
- Moulton, Rollin H., Berwyn, Ill. Grease dispenser. 1,752,537; Apr. 1.
- Moulton, Rollin H., Berwyn, Ill. Portable grease dispenser. 1,764,970; June 17.
- Mound City Wood Heel & Mfg. Co. (See Marshall, David O., assignor.)
- Mount, William D. (See Munro, William C., assignor.)
- Mount, William D., Lynchburg, Va., assignor of one-half to K. A. Forrest, Harvey, Ill. Continuous sulphate process. 1,754,902; Apr. 15.
- Mount, William H., Summit, N. J. Antiaircraft offensive and defensive means. 1,759,912; May 27.
- Mountain, Harry W. (See Reed, Robert W., assignor.)
- Mourar, George H., Pottstown, Pa. Machine for collecting small stones. 1,747,139; Feb. 11.
- Mourgeon, Léon. (See Vien, C., and Mourgeon.)
- Mourontseff, Ilia E., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Space-current device. 1,765,605; June 24.
- Mouthe, Auguste, assignor to F. Damon, Lyon, France. Varicose stocking. 1,786,862; Dec. 30.
- Moutray, Grover C. (See Farabough, G. M., and Hout-ray.)
- Moving Colour Signs Limited. (See Henderson, Jack D., assignor.)
- Mowell, Jennie G., Kingston, N. Y. Pull-cord fastener for window shades. 1,745,438; Feb. 4.
- Mowery, Eldred, Washington, D. C. Wall insulation. 1,761,838; June 3.
- Mowitz, Albert C., Philadelphia, Pa., assignor to Radio Cabinet Manufacturing Corporation. Radiocabinet. Des. 80,578; Feb. 25.
- Mowrey, Lester D., et al. (See Welsh, Ralph B., assignor.)
- Moxham, Arthur J., Odessa, Del., assignor to Electro Company. Treating siliceous minerals. 1,748,989; Mar. 4.
- Moxley, Stephen D., Birmingham, Ala., assignor to Sand Spun Patents Corporation, New York, N. Y. Flask-handling device. 1,786,218; Dec. 23.
- Moxter, Ernst and H., St. Louis, Mo. Electric switch. 1,757,054; May 6.
- Moxter, Herman. (See Moxter, Ernst and H.)
- Moyer, Andrew T., Philadelphia, Pa. Safety device for paper cutters. 1,749,296; Mar. 4.
- Moyer, Charles L., Chicago, Ill., assignor, by mesne assignments, to Quality Hardware and Machine Corporation. Automatic book-assembly mechanism. 1,783,625; Dec. 2.
- Moyer, Fred W., and F. J. Reninger, assignors to The Aldrich Pump Company, Allentown, Pa. Pump plunger. 1,751,350; Mar. 18.
- Moyer, Fredellia H. (See Speer, J. R., and Moyer.)
- Moyer, Fredellia H., Pittsburgh, and C. A. Frahm, Massillon, assignors, by mesne assignments, to The Berger Manufacturing Company, Canton, Ohio. Trussed structure. 1,751,747; Mar. 25.
- Moyer, Howard H., assignor to Richmond Manufacturing Company, Lockport, N. Y. Magnetic separator for spouts. 1,769,268; July 1.
- Moyer, Howard R., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Composite gear. 1,750,278; Mar. 11.
- Moyer, James H., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Artificial porcelain root tooth. 1,780,979; Nov. 11.
- Moyers, Glenn L., St. Clair Shores, and E. A. Abraham, assignors to Monarch Governor Co., Detroit, Mich. Governor for internal-combustion engines. 1,749,500; Mar. 4.
- Moyle, Edward H., Los Angeles, Calif. Typewriter. 1,781,671; Nov. 11.
- Moysie, William H., Oshawa, Ontario, Canada, assignor to General Motors Research Corporation, Detroit, Mich. Crank-case ventilation. 1,756,001; Apr. 22.
- Moyses, Harry E. (See Davis, Maurice E., assignor.)
- Mrach, Adolfo, assignor to Società Italiana Pirelli, Milan, Italy. Apparatus for regenerating vulcanized rubber. 1,754,177; Apr. 8.
- Mraz, John, and J. Stedel, Bashaw, Alberta, Canada. Screen and fabric therefor. 1,744,329; Jan. 21.
- Mross, Edward R., and E. Nielsen, assignors to Hamilton Beach Mfg. Co., Racine, Wis. Motor controller. 1,772,361; Aug. 5.
- Mross, Edward, assignor to Hamilton Beach Mfg. Co., Racine, Wis. Vacuum-cleaner-handle mounting. 1,785,043; Dec. 16.
- Mucher, George J., Brooklyn, N. Y. Resistance unit. 1,776,191; Sept. 16.
- Muck, Otto, Munich, Germany. Resonance-spring driving device. 1,761,146; June 3.
- Muck, Otto, Munich-Grosshadern, Germany. Remote-control plant for extensive power-distributing systems. 1,771,135; July 22.
- Muckenhirn, Charles H., Detroit, Mich. Internal-combustion engine. 1,754,758; Apr. 15.
- Mudd, Garrett W., assignor to Manufacturers Machinery Company, Chicago, Ill. Capping machine. 1,746,271; Feb. 11.
- Mudge, Archibald C., assignor to Brown Shoe Company, Inc., St. Louis, Mo. Shoe. 1,779,677; Oct. 28.
- Mudge, William A., Huntington, W. Va., assignor, by mesne assignments, to The International Nickel Company, New York, N. Y. Heat-treated nickel-copper-aluminum alloy and method of heat treating the same. 1,755,554; Apr. 22.
- Mudge, William A., Huntington, W. Va., assignor, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Manufacture of alloys of copper, nickel, and aluminum. 1,755,555; Apr. 22.
- Mudge, William A., Huntington, W. Va., assignor, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Heat-treated copper-nickel-aluminum alloy. 1,755,556; Apr. 22.
- Mudge, William A., Huntington, W. Va., assignor, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Copper-nickel-aluminum alloy and method of heat treating the same. 1,755,557; Apr. 22.
- Mudrick, Morris, Los Angeles, Calif. Fiber-rope picker. 1,759,240; May 20.
- Mueller, Alexander V., assignor to The Deming Company, Salem, Ohio. Centrifugal pump. 1,783,667; Dec. 2.
- Mueller, Alfons, New York, N. Y. Motor preheater and cooler. 1,766,928; June 24.
- Mueller, Augusto E., assignor of one-half to M. Britz, Chicago, Ill. Brush-making machine. 1,765,769; June 24.
- Mueller Brass Co. (See Gresley, L. E., and Eusey, assignors.)
- Mueller Brass Co. (See Hill, Charles A., assignor.)
- Mueller, Charles C., jr., and D. C. Wendel, Newark, N. J. Sign. 1,750,118; Mar. 11.
- Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Sewing-machine work support. 1,764,573; June 17.
- Mueller Co. (See Albert, Chester B., assignor.)
- Mueller Co. (See Mayhew, Joseph R., assignor.)
- Mueller Co. (See Mueller, Philipp, assignor.)
- Mueller Co. (See Reedy, Emmett M., assignor.)
- Mueller Co. (See Smith, Marlon F., assignor.)

- Mueller Co. (See Wells, Jewell W., assignor.)
 Mueller, Edward C., Toledo, Ohio, assignor to American Can Company, New York, N. Y. Can-spraying machine. 1,760,165; May 27.
 Mueller Electric Company. (See Mueller, Ralph S., assignor.)
 Mueller, Elmer J. J., Jefferson Barracks, Mo. Poultry-drinking fountain. 1,787,015; Dec. 30.
 Mueller, Emil C., jr., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Designation device. 1,751,247; Mar. 18.
 Mueller, Emil, Cranston, R. I. Screw driver. 1,781,470; Nov. 11.
 Mueller, Emil L., Rutherford, assignor of one-half of D. A. McIntyre, Newark, N. J. Numbering machine. 1,779,441; Oct. 28.
 Mueller, Ervin H., Detroit, Mich. Valve and manufacturing same. 1,753,833; Apr. 8.
 Mueller, Godfrey A., Point Place, assignor to The De Vilbiss Company, Toledo, Ohio. Spray head. 1,752,922; Apr. 1.
 Mueller, Godfrey A., Point Place, assignor to The De Vilbiss Company, Toledo, Ohio. Spray head. 1,752,923; Apr. 1.
 Mueller, Godfrey A., Point Place, assignor to The De Vilbiss Company, Toledo, Ohio. Spraying device. 1,752,924; Apr. 1.
 Mueller, Godfrey A., Point Place, assignor to The De Vilbiss Company, Toledo, Ohio. Spray head. 1,758,124; May 13.
 Mueller, Herman C., Milwaukee, Wis. Sound-amplifying horn. 1,755,931; Apr. 22.
 Mueller, Herman C., Milwaukee, Wis. Sound-reproducing device. 1,767,546; June 24.
 Mueller, Herman G., assignor to Skinner Engine Company, Erie, Pa. Steam engine. 1,785,455; Dec. 16.
 Mueller, Homer L., Lakewood, assignor, by mesne assignments, to The Cleveland Welding Company, Cleveland, Ohio. Bridging ring for cushion-tire bases. 1,786,957; Dec. 30.
 Mueller, John G., Dayton, Ohio. Railway-track-tying device. 1,747,382; Feb. 18.
 Mueller, L. J., Furnace Company. (See Jones, Edwin A., assignor.)
 Mueller, Max, Bloomfield, N. J. Thread holder for the threading guides of stocking machines. 1,773,541; Aug. 19.
 Mueller, Moritz L., Seattle, Wash. Kiln. 1,757,647; May 6.
 Mueller, Moritz L., Seattle, Wash. Drying lumber. 1,762,879; June 10.
 Mueller, Moritz L., Seattle, Wash., assignor to Northwest Blower Kiln Company, Portland, Oreg. Air-circulating system for lumber-drying kilns. 1,745,375; Feb. 4.
 Mueller, Moritz L., Seattle, Wash., assignor to General Dry Kiln Company, Portland, Oreg. Drying lumber. 1,772,222; Aug. 5.
 Mueller, Moritz L., Seattle, Wash., assignor to Northwest Blower Kiln Company, Portland, Oreg. Device for indicating the degree of swelling of materials. 1,773,114; Aug. 19.
 Mueller, Moritz L., Seattle, Wash., assignor to General Dry Kiln Company, Portland, Oreg. Lumber-drying kiln. 1,773,744; Aug. 26.
 Mueller, Moritz L., Seattle, Wash., assignor to General Dry Kiln Company. Drying kiln. 1,774,208; Aug. 26.
 Mueller, Oscar, and M. Newman, West New York, N. J. Spring wheel for vehicles. 1,774,941; Sept. 2.
 Muehlen, Otto, Denver, Colo. Treating mill-band saws. 1,786,444; Dec. 30.
 Mueller, Paul, Chicago, Ill. Aeroplane wing. 1,773,432; Aug. 19.
 Mueller, Philip, assignor, by mesne assignments, to Mueller Co., Decatur, Ill. Service clamp. 1,762,305; June 10.
 Mueller, Ralph S., Cleveland, Ohio, assignor to Mueller Electric Company. Electrical connection clip. 1,779,442; Oct. 28.
 Mueller, Robert A. (See Gray, E., and Mueller.)
 Mueller, Robert H., assignor to Mueller Co., Decatur, Ill. Ball cock. 1,762,306; June 10.
 Mueller, Theodore M., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Pressed-steel timing-gear cover. 1,746,223; Feb. 4.
 Mueller, Wilhelm, Gleiwitz, Germany. Gas-offtake pipe for fuel distillation retorts and coke ovens. 1,774,394; Aug. 26.
 Mueller, William G., assignor to Gardner-Denver Company, Denver, Colo. Work guard. 1,755,265; Apr. 22.
 Muend, Charles J., Philadelphia, Pa. Swing-joint coupling. 1,765,693; June 24.
 Muenzer, Frank X., assignor to The Multiplex Concrete Machinery Company, Elmore, Ohio. Building block. 1,774,065; Aug. 26.
 Muffy, Glenn, assignor to Copeland Products Inc., Detroit, Mich. Refrigerating apparatus. 1,119,284; Oct. 21.
 Muffy, Glenn, assignor to Copeland Products Inc., Detroit, Mich. Refrigerating apparatus. 1,753,802; Apr. 8.
 Muffy, Glenn, Detroit, Mich., assignor to Copeland Products Inc. Fountain head. 1,763,808; June 17.
 Muffy, Glenn, Detroit, Mich., assignor to Copeland Products Inc. Refrigerator control. 1,787,209; Dec. 30.
 Muglach, Albert J. (See Guerry, J. E., Worrall, and Muglach.)
 Mugler, Julius, Berlin, Germany. Double-jet control device. 1,776,817; Sept. 30.
 Mugnai, Fred, assignor to Art Specialty Company, Chicago, Ill. Bench-end support or the like. Des. 81,448; June 24.
 Mugnai, Fred, assignor to Art Specialty Company, Chicago, Ill. Bench-end support or the like. Des. 81,449; June 24.
 Mugnai, Fred, assignor to Art Specialty Company, Chicago, Ill. Bench-end arm or the like. Des. 81,450; June 24.
 Muhl, Charles H. (See Galloway, R. M., and Muhl.)
 Muhlbach, Alfred J., assignor to Boyle Manufacturing Company, Los Angeles, Calif. Die. 1,774,809; Sept. 2.
 Muhlbacker, Ralph, assignor to Wm. P. Greenhill & Son, Chicago, Ill. Calendar-pad stand. 1,767,471; June 24.
 Muhleisen, Karl, assignor to Schutte and Koerting Company, Philadelphia, Pa. Supporting and holding pipes in spaced relation to each other. 1,748,140; Feb. 25.
 Muhlberg, Francis B., Upper Darby, Pa. Treatment of petroleum products. 1,750,420; Mar. 11.
 Muhlfield, John E., Scarsdale, N. Y. Integral piston and piston rod for reciprocating engines. 1,748,612; Feb. 25.
 Muhlfield, John E., Scarsdale, N. Y. Locomotive tender. 1,753,211; Apr. 8.
 Muhlfield, John E., Scarsdale, N. Y. Side brick for firebox arches. 1,760,431; May 27.
 Muhlfield, John E., Scarsdale, N. Y. Steam-collecting means for boilers. 1,768,920; July 1.
 Muhlfield, John E., Scarsdale, and J. C. Chapple, Brooklyn, N. Y. Locomotive superheater. 1,784,378; Dec. 9.
 Muhlhoff, Eduard, assignor to the firm Peter Friedr. Muhlhoff Werkzeugfabrik Remscheid, Germany. Bit for boring long holes. 1,752,262; Mar. 25.
 Muhlhoff, Peter Friedr., Werkzeugfabrik. (See Muhlhoff, Eduard, assignor.)
 Muhn, John R., Waterloo, Ind. Toy. Des. 81,841; Aug. 19.
 Muhn, John R., Waterloo, Ind. Wheeled toy. Des. 82,102; Sept. 23.
 Muhn, John R., Waterloo, Ind. Wheeled toy. Des. 82,103; Sept. 23.
 Muhrbeck, Fritz E. (See Lundquist, Gust, assignor.)
 Muhrbeck, Fritz E., Hancock, Minn., assignor of one-half to G. Lundquist, Northwood, N. D. Quack-grass destroyer. 1,777,126; Sept. 30.
 Muir, James A., Detroit, Mich. Apparatus for welding. 1,757,540; May 6.
 Muir, John, assignor of one-half to G. H. Wilkinson, London, England. Adhesive paper and the manufacture of same. 1,766,302; June 24.
 Muir, Joseph, assignor to The Radium Emanation Corporation, New York, N. Y. Making removable emanation seeds. 1,754,178; Apr. 8.
 Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Radiator. 1,775,943; Sept. 16.
 Muirhead, John R., Kirkcaldy, and J. W. Mills, Adelaide, South Australia, Australia. Device for pumping fluids. 1,783,095; Nov. 25.
 Mulcahy, Daniel E., Seattle, Wash. Amusement bomb. 1,773,197; Aug. 19.
 Mulcahy, Frank J., Bay City, Mich. Obtaining central occlusion in the construction of artificial dentures. 1,764,115; June 17.
 Mulcahy, Thomas, South Milbrook, N. Y. Lead bridle. 1,746,403; Feb. 11.
 Mulder, Jentje, Detroit, Mich. Automatically-timed electrical device. 1,751,875; Mar. 25.
 Mulder, Jentje, Detroit, Mich. Tool for cleaning commutators. 1,763,561; June 10.
 Mulder, Jentje, Detroit, Mich. Drain-pipe fitting. 1,763,562; June 10.
 Muldoon, Bernard F., Mountainview, N. J., assignor to H. Hyman, Brooklyn, N. Y. Christmas-tree holder. 1,742,212; Jan. 7.
 Muldoon, Bernard F., Mountainview, N. J., assignor to H. Hyman, Brooklyn, N. Y. Plug socket. 1,757,437; May 6.
 Mulford, Henry K., assignor to National Drug Co., Philadelphia, Pa. Atomizer. Des. 82,274; Oct. 14.
 Mulford, Henry K., assignor to National Drug Co., Philadelphia, Pa. Adapter needle. 1,746,009; Feb. 4.
 Mulford, Logan W., Long Island City, N. Y. Vault light, floor light, or skylight. 1,784,678; Dec. 9.
 Mulholland, James F., Columbus, Ohio. Balloon toy. 1,773,315; Aug. 19.
 Mulka, Friedrich, Suhl in Thuringen, Germany. Automatic lathe. 1,767,224; June 24.
 Mull, Raymond A., Benton Harbor, Mich. Radio adjusting mechanism. 1,744,330; Jan. 21.
 Mullady, James B., Dubuque, Iowa. Waterproof adhesive. 1,779,613; Oct. 28.
 Mullally, Walter J., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Excavating dipper. 1,757,328; May 6.
 Mullally, Walter J., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Cushion-back dipper. 1,766,255; June 24.
 Mullaney, Dudley A., Schenectady, N. Y., assignor to General Electric Company. Power tube. 1,773,630; Aug. 19.
 Mullaney, John F., Colorado Springs, Colo. Check valve. 1,764,521; June 17.
 Mullen, Charles P., Conshohocken, Pa. Eaves-trough hanger. 1,755,453; Apr. 22.

- Mullen, George B., Bayside, N. Y. Valve for flush tanks. 1,744,491; Jan. 21.
- Mullens, John B. (See Smith, W. B., Hammons, and Mullens.)
- Müllensiefen, Hermann, Witten-Crengeldanz, Germany. Apparatus for manufacturing sheet glass. 1,769,451; July 1.
- Müller, Adolf, Munich, Germany, assignor to S. Neuman, Zurich, Switzerland. Producing gum from locust beans. 1,749,833; Mar. 11.
- Müller, August, Rottweil-on-the-Neckar, Germany. Stone crusher. 1,771,505; July 29.
- Müller, Carl. (See Mittasch, A., and Müller.)
- Müller, Carl. (See Mittasch, A., Müller, and Linckh.)
- Müller, Carl. (See Mittasch, A., Müller, and Schubardt.)
- Müller, Carl, Mannheim, and W. Schubardt, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Finely-divided metals from metal carbonyls. 1,759,661; May 20.
- Müller, Carl E. (See Fischer, E., and Müller.)
- Müller, Carl J. (See Herz, R., Farr, Thiess, and Müller.)
- Müller, Carl J. (See Thiess, K., Meissner, and Müller.)
- Müller-Cunradi, Martin. (See Mittasch, A., and Müller-Cunradi.)
- Müller-Cunradi, Martin. (See Pier, M., Müller-Cunradi, Wietzel, and Winkler.)
- Müller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, and W. Wilke, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Motor fuel. 1,765,692; June 24.
- Muller, Edward A., Cincinnati, Ohio. Turning and boring mill. 1,762,561; June 10.
- Muller, Edward J., Princeton, N. J. Vacuum cleaner. 1,785,873; Dec. 23.
- Müller, Emanuel, Unter-Engstringen, near Zurich, Switzerland. Container closure. 1,755,015; Apr. 15.
- Müller, Emil J., Andernach, Germany. Fluid switch. 1,774,658; Sept. 2.
- Muller, Ernst F., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-cutting machine. 1,777,621; Oct. 7.
- Muller, Firm Johann Carl. (See Ohmsen, Richard C. J. A., assignor.)
- Müller, Flora, inheritress. (See Müller, Georg G.)
- Müller, Franz E., Dresden, assignor to E. Vorwerk, Hamburg, Germany. Producing an artificial skating ground. 1,759,270; May 20.
- Müller, Friederich, Elizabeth, N. J. Tube-tapering apparatus. 1,783,384; Dec. 2.
- Müller, Friedrich, Vienna, Austria. Starting mechanism for internal-combustion engines. 1,749,152; Mar. 4.
- Muller, Frederick W., Atlanta, Ga. Type-form storage and lock-up frame. 1,784,533; Dec. 9.
- Müller, Fritz. (See Hoffa, E., and Müller.)
- Müller, Fritz. (See Wagner, H., Brune, Hessenland, Hoffa, Müller, and Heyna.)
- Müller, Georg G., deceased, Berlin-Wilmersdorf; F. Müller, inheritress, assignor to Atrax Gesellschaft mit beschränkter Haftung, Berlin, Germany. Illuminating structure. 1,760,767; May 27.
- Muller, George J., assignor to The Home Heating Corporation, Baltimore, Md. Steam-generating apparatus. 1,764,740; June 17.
- Muller, George W., Washington, D. C. Base plate for railroad-track structures. 1,752,451; Apr. 1.
- Muller, George W., Washington, D. C. Railway-rail joint. 1,766,795; June 24.
- Muller, George W., Washington, D. C., assignor to Muller Railway Track Systems, Incorporated, Wilmington, Del. Rail and tie-plate fastener. 1,752,450; Apr. 1.
- Muller, George W., Washington, D. C., assignor to Muller Railway Track Systems, Incorporated, Wilmington, Del. Arrangement of base plates on ties. 1,761,147; June 3.
- Muller, George W., Washington, D. C., assignor to Muller Railway Track Systems, Incorporated, Wilmington, Del. Railroad-track structure. 1,761,148; June 3.
- Muller, George W., Washington, D. C., assignor to Muller Railway Track Systems, Incorporated, Wilmington, Del. Roadbed. 1,766,796; June 24.
- Muller, Gertrude A., Fort Wayne, Ind. Child's costumer. Des. 82,446; Nov. 4.
- Müller & Grünstein, Elgersburger Feuerzeugfabrik. (See Kassapian, Vincent, assignor.)
- Müller, Gustav, Berlin-Steglitz, Germany, assignor to General Electric Company. Wire feeder. 1,742,966; Jan. 7.
- Muller, Gustav, jr., Jacksonville, Fla. Compound faucet. 1,750,485; Mar. 11.
- Müller, Henry, Philadelphia, Pa. Device for applying protectors to toilet seats. 1,761,637; June 3.
- Müller, Hermann, assignor to the firm Aktiengesellschaft Cilandar, Herisau, Switzerland. Producing stiff fabrics which stand washing. 1,775,319; Sept. 9.
- Müller, Ignaz, Vienna, Austria. Separator for light liquids. 1,784,943; Dec. 16.
- Muller, Jacques, La Garenne Colombes, France. Distributing pump for lubricants and other viscous substances in variable and determined quantities. 1,763,189; June 10.
- Muller, Jacques, La Garenne Colombes, France. Disconnecting coupling for pipes and the like. 1,767,391; June 24.
- Müller, Johann C. (See Voigt, Robert W., assignor.)
- Müller, Johannes. (See Meyer, K. H., Müller, and Hoffmann.)
- Müller, Johannes, Eppstein, and U. Hoffman, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Dehydration product of sorbitol and making it. 1,757,468; May 6.
- Müller, Josef, Weissenstein-on-the-Drau, Karnten, Austria, assignor to the firm Schumacher'sche Fabrik G. m. b. H., Stuttgart, Germany. Porous molded body to be used in diffusion, filtration, etc., and making the same. 1,742,411; Jan. 7.
- Müller, Julius. (See Nawlasky, P., and Müller.)
- Müller, Karl J. (See Wilhelm, F., and Müller.)
- Müller, Konrad. (See Döring, and Müller.)
- Muller, Max, assignor to firm Adolf Bleichert & Co., A. G., Leipzig, Germany. Running wheel of passenger aerial cableways. 1,780,627; Nov. 4.
- Muller, Oscar F., Montclair, N. J., assignor to Nyanza Color & Chemical Co., Inc., New York, N. Y. Delustering artificial-silk fibers or rayon. 1,769,850; July 1.
- Müller, Paul, Solingen, Germany. Protective holder. 1,750,119; Mar. 11.
- Müller, Paul, Solingen, Germany. Guard for safety-razor blades. 1,751,215; Mar. 18.
- Müller, Paul, Solingen, Germany. Shaving apparatus. 1,772,675; Aug. 12.
- Muller Railway Track Systems, Incorporated. (See Muller, George W., assignor.)
- Müller, Richard K. (See Kränzlein, G. Muller, Brunnträger and Janz.)
- Muller, Richard O., assignor to The Terry Steam Turbine Company, Hartford, Conn. Speed-governing mechanism. 1,764,463; June 17.
- Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Accounting machine. 1,757,134; May 6.
- Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Paper-feeding equipment for accounting machines. 1,774,287; Aug. 26.
- Müller, Stefan. (See Trippe-Fürst, Alexander, assignor.)
- Müller, Stephen V., Detroit, Mich. Aeroplane-wing arrangement. 1,765,440; June 24.
- Müller, Werner. (See Reddell, G., and Müller.)
- Müller, Werner. (See Spengler, O., and Müller.)
- Muller, Wesley A., Monterey, assignor to California Packing Corporation, San Francisco, Calif. Drainer. 1,760,205; May 27.
- Mullett, Howard A., and H. E. Heine, assignors to Bradley Washfountain Company, Milwaukee, Wis. Compartment shower bath. 1,747,838; Feb. 18.
- Mulligan, Francis, Belfast, Ireland. Manufacture of a cement or plaster from gypsum. 1,766,448; June 24.
- Mulligan, Francis M., Butte, Mont. Figure wheeled toy. 1,781,471; Nov. 11.
- Mulligan, Mitchel. (See Van Riper, J. P., and Mulligan.)
- Mulligan, William J., Parkersburg, W. Va. Circuit closer. 1,750,811; Mar. 18.
- Mullikin, Samuel H. (See Cooper, W., and Mullikin.)
- Mullin, Andrew B., Kenmore, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for coating defined areas of fabric elements. 1,749,921; Mar. 11.
- Mullin, Charles M., Meyronne, Saskatchewan, Canada. Dirigible headlight for motor vehicles. 1,748,558; Feb. 25.
- Mullin, John, Enfield, England. Apparatus for pulverizing coal or other fuel. 1,751,525; Mar. 25.
- Mulock, Fred S., Brighton, Mass., assignor to United States Smelting, Refining & Mining Company, Portland, Me. Treating ores or analogous materials. 1,745,945; Feb. 4.
- Mulroney, Frank M., Fort Dodge, Iowa. Garment fastener. 1,766,828; June 24.
- Multer, Hugh J. (See Gard, E. W., Aldridge, Multer, and Howes.)
- Multibestos Company. (See Bateson, Thomas H., assignor.)
- Multibestos Company. (See Waite, Edwin E., assignor.)
- Multicolor Ltd. (See Fairall, Harry K., assignor.)
- Multi-Hydro Washing Machine Company. (See Dehle, Otto T., assignor.)
- Multi-Needle Engineering Corporation. (See Boettcher, Gustav A., assignor.)
- Multiple Selling Corporation. (See Moore, Robert A., assignor.)
- Multiple Valve and Manufacturing Company. (See Aufd'ish, John B., assignor.)
- Multiplex Concrete Machinery Company The. (See Muenzer, Frank V., assignor.)
- Multipost Company. (See Schweiger, William F., assignor.)
- Multi-Print System Co., The. (See Kimberly, Alfred K., assignor.)
- Mulvey, John J., Seattle, Wash. Flour agitator for exposing flour to the action of a bleaching gas. 1,758,713; May 13.
- Mulvihill, Daniel C., Hannibal, Mo. Railway crossing. 1,743,829; Jan. 14.
- Mulvihill, Daniel C., Hannibal, Mo. Wheel-grinding device. 1,745,026; Jan. 28.
- Mulwitz, Robert. (See Rosenberg, I. B., and Mulwitz.)
- Mulzer, Charles J., Evanston, Ind. Aircraft. 1,757,918; May 6.
- Mumberg, William F., Chicago, assignor of one-half to A. A. Mertz, Decatur, Ill. Support. 1,750,188; Mar. 11.

- Mumford, Albert R., Bogota, N. J., assignor to J. M. Hopwood, Dormont, Pa. Separator. 1,747,314; Feb. 18.
- Mummé, Ernest A. (See Curtis, E., and Mummé.)
- Mummé, Ernest A., assignor to Minneapolis Engineering Company, Minneapolis, Minn. Pump jack. 1,763,364; June 10.
- Mummert, Arden J., University City, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston and piston ring. 1,779,487; Oct. 28.
- Mummert, Calvin J. (See Rodler, Hilmer F., assignor.)
- Münch, Eduard, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Reducing organic keto compounds. 1,784,379; Dec. 9.
- Münch, Heinrich, Schlagbaum, near Velbert, assignor to the firm Schlossfabrik-Aktiengesellschaft vorm. Wilh. Schulte, Schlagbaum, near Velbert, Germany. Device for adjustably attaching cylinder locks to doors, and furniture locks. 1,766,081; June 24.
- Münchenhagen, Willy, Berlin-Tempelhof, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Multioffice telephone system. 1,752,500; Apr. 1.
- Muncherian, Hrand M., Atlanta, Ga. Fuse plug. 1,766,303; June 24.
- Münchmeyer, Georg. (See Schlinck, J., and Münchmeyer.)
- Muncie Gear Company. (See Peck, William W., assignor.)
- Muncy, John I., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Ball-and-socket joint. 1,745,704; Feb. 4.
- Muncy, John I., assignor to The Studebaker Corporation, South Bend, Ind. Transmission control. 1,747,179; Feb. 18.
- Mundet, L., & Son, Inc. (See Nueske, Julius, Jr., assignor.)
- Mundlos, Rudolf, Magdeburg, Germany. Driving gear for material feeders for sewing machines. 1,762,880; June 10.
- Mundorff, Harry A., Jr., Wilmington, Del. Mold for frozen carbonated confections. 1,743,375; Jan. 14.
- Mundt, Theodor W., Bilthoven, Netherlands. Turntable. 1,786,258; Dec. 23.
- Mundt, William J., Pierre, S. Dak. Pump operating mechanism. 1,775,653; Sept. 16.
- Munford, George A., Rochester, N. Y. Ironing roll. 1,751,876; Mar. 25.
- Munford, Theodore W. (See Mantle, G. D., and Munford.)
- Mungen, Donald D., and R. Back, assignor to The Wahl Company, Chicago, Ill. Fountain pen. 1,787,406; Dec. 30.
- Munitex Corporation. (See Tagliani, Giovanni, assignor.)
- Munk, Otto. (See Holtzman, John, assignor.)
- Munke Jack Corporation. (See McBride, James P., assignor.)
- Munkelwitz, Carl H., Sayville, N. Y. Clam tongs. 1,763,437; June 10.
- Munktel, Ernst O., Stockholm, Sweden. Goffered article. 1,755,744; Apr. 22.
- Munn, Andrew A., Rapid City, S. Dak. Automatic grapple. 1,781,518; Nov. 11.
- Munro, Alexander C., Britannia Beach, British Columbia, Canada. Ball-forming machine. 1,746,671; Feb. 11.
- Munro, William C., Montreal, Quebec, Canada, assignor to W. D. Mount, Lynchburg, Va. Continuous sulphate process. 1,756,432; Apr. 29.
- Munroe, Thomas, Dayton, Ohio. Package. 1,773,542; Aug. 19.
- Munschauer, Frederick E., assignor to Niagara Machine and Tools Works, Buffalo, N. Y. Folding machine. 1,753,212; Apr. 8.
- Munsingwear Corporation, The. (See Chatfield, Franklin, assignor.)
- Munsingwear Corporation, The. (See Rutledge, George E., assignor.)
- Munson, Aaron J., Garretson, S. Dak. Planter-shoe scraper. 1,779,285; Oct. 21.
- Munson, Edmund L., Mount Kisco, N. Y. Hospital bed. 1,780,399; Nov. 4.
- Munson, John H., Los Angeles, Calif. Hub cap. Des. 82,104; Sept. 23.
- Munson, John M. (See Becker, L. A., and Munson.)
- Munster, Andreas, Seattle, Wash. Retaining wall. 1,762,343; June 10.
- Munters, Anders J. E., Stockholm, Sweden. Absorption refrigerating machine. 1,761,839; June 3.
- Munters, Carl G., Stockholm, Sweden. Refrigeration. 1,785,700; Dec. 16.
- Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,780,272; Nov. 4.
- Munters, Carl Georg. (See von Platen, B. C., and Munters.)
- Muntz, Eric P. (See Skaer, Arthur P., assignor.)
- Muntz, Eric P., Buffalo, N. Y. Building. 1,782,997; Nov. 25.
- Munz, Elmer G., Detroit, Mich. Sprinkler. 1,766,138; June 24.
- Münzel, Heinrich. (See Lommel, W., Münzel, Heinrich, and Hardtmann.)
- Münzing, Ernst. (See Stoewener, F., and Münzing.)
- Murch, John H., East Orange, N. J., assignor, by mesne assignments, to Thermokep Corporation. Closing machine. 1,758,369; May 13.
- Murch, Wilfred M., Hamburg, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Production of p-chlorbenzoyl-o-benzoic acid. 1,746,736; Feb. 11.
- Murch, Wilfred M., Hamburg, and W. J. Cauwenberg, Buffalo, assignors to National Aniline & Chemical Co., Inc., New York, N. Y. Purification of 2-amioanthraquinone. 1,744,055; Jan. 21.
- Murchev Machine and Tool Company. (See Prance, Albert J., assignor.)
- Murdey, Clarence L., Mount Vernon, Wash. Poultry fountain. 1,779,746; Oct. 28.
- Murdoch, Walter B., assignor to The Stanley Works, New Britain, Conn. Bit or drill holder. 1,784,380; Dec. 9.
- Murdock, David, Brooklyn, N. Y. Typewriter line indicator. 1,757,541; May 6.
- Murdock, James A., Tulsa, Okla. Dispensing top for bottled carbonated liquids. 1,759,459; May 20.
- Murdock, Julian H. (See Clark, E. F., and Murdock.)
- Murdock, Willis J., Joliet, E. E. Lungren, Aurora, Ill., and O. B. Evans, Philadelphia, Pa., assignors, by mesne assignments, to Pier Process Corporation, Aurora, Ill. Combustible gas generator. 1,743,724; Jan. 14.
- Murdock, Willis J., Joliet, E. E. Lungren, Aurora, Ill., and O. B. Evans, Philadelphia, Pa., assignors to Pier Process Corporation, Aurora, Ill. Apparatus for manufacture of combustible gas. 1,743,725; Jan. 14.
- Murdock, Willis J., Joliet, E. E. Lungren, Aurora, Ill., and O. B. Evans, Philadelphia, Pa., assignors to Pier Process Corporation, Aurora, Ill. Manufacture of producer gas. 1,743,726; Jan. 14.
- Murkham, Leonard W., London, England. Gramophone pick-up. 1,769,532; July 1.
- Muros, Joseph, New York, N. Y. Safety razor. 1,758,963; May 20.
- Muros, Joseph, New York, N. Y. Safety razor. 1,766,397; June 24.
- Muros, Joseph, assignor of one-half to F. E. Perry, New York, N. Y. Headlight. 1,743,793; Jan. 14.
- Muros, Joseph, assignor to F. E. Perry, New York, N. Y. Safety razor. 1,766,398; June 24.
- Muros, Joseph, assignor to F. E. Perry, New York, N. Y. Safety razor. 1,766,399; June 24.
- Murphey, George P., Philadelphia, Pa. Recording instrument. 1,785,874; Dec. 23.
- Murphey, Howard B. (See Williams, D. D., and Murphey.)
- Murphy, Anson E. (See Renton, D. M., Long, and Murphy.)
- Murphy, Arthur C. (See Rousseau, Joseph E., assignor.)
- Murphy, Clarence, Bridgeport, Conn. Spring clips for belts, garters, and the like. 1,767,608; June 24.
- Murphy, Cornelius M., Coleraine, Minn. Cable storage. 1,742,780; Jan. 7.
- Murphy, Daniel F., Galveston, Tex. Boat. 1,762,451; June 10.
- Murphy, Daniel H., West Hartford, assignor to The Wiremold Company, Hartford, Conn. Braiding machine. 1,760,768; May 27.
- Murphy, Edmund G., Chicago, Ill. Vacuum tube. 1,777,011; Sept. 30.
- Murphy, Edward, New Orleans, La. Cane harvester. 1,774,450; Aug. 26.
- Murphy, Edward H., assignor of one-half to C. L. Crawford, Honolulu, Hawaii. Copy-sheet holder. 1,779,678; Oct. 28.
- Murphy, Edward J. (See Uhlig, E. C., and Murphy.)
- Murphy, Edward J., Brooklyn, N. Y., assignor to The Bartlett Hayward Company, Baltimore, Md. Producing a gas-purifying material. 1,771,136; July 22.
- Murphy, Edwin J., Schenectady, N. Y., assignor to General Electric Company. Reproducing position. 1,743,794; Jan. 14.
- Murphy, Edwin J., Philadelphia, Pa. Variable-speed control for electric motors. 1,781,762; Nov. 18.
- Murphy, Everett E., Newburyport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Self-trimming machine. 1,777,473; Oct. 7.
- Murphy, Frank J., Floral Park, assignor to S. W. Farber, Inc., Brooklyn, N. Y. Swiveled lamp-shade support. 1,784,306; Dec. 9.
- Murphy, G. W. J., Company. (See Lemoine, Emile F., assignor.)
- Murray, George, Vancouver, British Columbia, Canada. Operating device for bank-teller's-cage shields. 1,777,760; Oct. 7.
- Murray, George O., Blairsville, Pa. Combination stove, refrigerator, and sink. Des. 82,288; Oct. 28.
- Murphy, Guy F., Coral Gables, Fla. Road and street construction. 1,747,125; Feb. 11.
- Murphy, Harry J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Conveyer apparatus. 1,763,809; June 17.
- Murphy, Henry J., Columbus, assignor to Bibb Manufacturing Company, Macon, Ga. Twisting traveler for twisting rings. 1,773,631; Aug. 19.
- Murphy, Henry J., Columbus, assignor to Bibb Manufacturing Company, Macon, Ga. Splicing machine for thread and yarn. 1,777,218; Sept. 30.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricant compressor. 1,743,376; Jan. 14.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,763,062; June 10.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating system. 1,775,688; Sept. 16.

- Murphy, John B., Los Angeles, Calif., assignor to American Telephone and Telegraph Company. Electrical-testing system. 1,759,019; May 20.
- Murphy, John L., Ithaca, N. Y. Hay and grain handling machine. 1,755,016; Apr. 15.
- Murphy, Joseph E., et al. (See Wheldon, George H., assignor.)
- Murphy, Orville E., Shawnee, assignor of 49 per cent to American Iron & Machine Works, Inc., Oklahoma City, Okla. Drilling apparatus. 1,775,774; Sept. 16.
- Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
- Murphy, Patrick C. (See Lieser, G. J., and Murphy.)
- Murphy, Paul B., Nyack, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange equipment. 1,763,006; June 10.
- Murphy, Sylvester E., and C. L. Gallian, Russell, Ky. Automatic cut-off. 1,759,798; May 20.
- Murphy, Thomas L., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism for rock drills. 1,755,702; Apr. 22.
- Murphy, Walter P., Chicago, Ill. Railway-car construction. 1,773,403; Aug. 19.
- Murphy, William, assignor to R. E. Gavin, Buffalo, N. Y. Shading machine. 1,747,315; Feb. 18.
- Murphy, William B., Crandall, Tex. Novelty chair. 1,786,123; Dec. 23.
- Murphy, William B., Crandall, Tex. Detachable cultivator sweep. 1,786,124; Dec. 23.
- Murray, Athole J., deceased, West New Brighton, N. Y.; B. A. Murray, executrix. Screw propeller for marine vessels. 1,748,581; Feb. 25.
- Murray, Bertha A., executrix. (See Murray, Athole J.)
- Murray Body Corporation. (See Moetsa, Marvin W., assignor.)
- Murray Body Corporation. (See Walsh, H. S., and Matheson, assignors.)
- Murray Company, The. (See Behle, Joseph, assignor.)
- Murray Company, The. (See Hancock, William L., assignor.)
- Murray Corporation of America, The. (See Moesta, Marvin W., assignor.)
- Murray, Daniel J., assignor of one-half to T. Gasparic, Chicago, Ill. Valve-operating mechanism. 1,750,537; Mar. 11.
- Murray, Frederick. (See Ford, J. S., and Murray.)
- Murray, George, London, and V. O. Simpkins, Barnes, London, England. Lighting apparatus. 1,776,476; Sept. 23.
- Murray, Harry D., Grove City, Pa., assignor, by mesne assignments, to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Friction clutch. 1,775,370; Sept. 9.
- Murray, Howard J. (See Rugg, W. S., and Murray.)
- Murray, Howard J., Brooklyn, N. Y. Remote light-control system. 1,742,614; Jan. 7.
- Murray, Howard J., Brooklyn, N. Y. Resilient synchronizer. 1,764,335; June 17.
- Murray, Howard J., Brooklyn, N. Y. Selective remote control system. 1,767,609; June 24.
- Murray, Howard J., Brooklyn, N. Y. Internal-gear synchronizer. 1,768,856; July 1.
- Murray, Howard J., Brooklyn, N. Y. Removable socket and reflector. 1,779,073; Oct. 21.
- Murray, Howard J., Brooklyn, assignor to H. Sieben, Hadley, N. Y. Automatic gas shut-off. 1,742,213; Jan. 7.
- Murray, Howard J., Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Radio light transforming system. 1,748,725; Feb. 25.
- Murray, Howard J., Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Sliding-clutch gear synchronizer. 1,764,334; June 17.
- Murray, Howard J., Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Sound-reproducing apparatus. 1,765,029; June 17.
- Murray, Howard J., Brooklyn, assignor to H. Sieben, Hadley, N. Y. Cut-off valve. 1,772,591; Aug. 12.
- Murray, Howard J., Brooklyn, assignor to H. Sieben, Hadley, N. Y. Gas cut-off. 1,774,395; Aug. 26.
- Murray, Howard J., Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Sequential-action synchronizer. 1,777,012; Sept. 30.
- Murray, Howard J., New York, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Double-clutch synchronizer. 1,764,333; June 17.
- Murray, Humphrey D., assignor of one-half to Norton and Gregory Limited, London, England. Production of photographic images. 1,753,059; Apr. 1.
- Murray, Humphrey D., South Kensington, London, assignor of one-half to Norton and Gregory Limited, London, England. Manufacture of diazotype sensitive papers and the like. 1,770,352; July 8.
- Murray, James M., Cleveland, Okla. Piston. 1,777,219; Sept. 30.
- Murray, Joe, Indianapolis, Ind. Lamp. Des. 82,172; Sept. 30.
- Murray, John, Chobham, England. Device for automatically feeding bookcases to blocking presses. 1,748,848; Feb. 25.
- Murray, John, Chobham, England. Bookbinder's press. 1,769,452; July 1.
- Murray, John D., San Francisco, Calif. Tip for spraying nozzles. 1,753,443; Apr. 8.
- Murray, John F., et al., executors. (See Bennett, Irving T.)
- Murray, John F. et al., executors. (See Murray, Thomas E.)
- Murray, John F., et al., executors. (See Williams, Herbert H.)
- Murray, John H. (See Rose, F. G., and Murray.)
- Murray, John J., Arlington, Mass. Mechanism for spraying cards. 1,757,648; May 6.
- Murray, Joseph B., et al., executors. (See Bennett, Irving T.)
- Murray, Joseph B., et al., executors. (See Murray, Thomas E.)
- Murray, Joseph B., et al., executors. (See Williams, Herbert H.)
- Murray, Joseph B. and T. E., jr., Brooklyn, N. Y. Welding segments of hollow articles. Re17,574; Jan. 28.
- Murray, Joseph B., and T. E., jr., Brooklyn, N. Y., assignors to Metropolitan Engineering Company. Heat-conducting tube. 1,776,840; Sept. 30.
- Murray, Lee K., Sydney, New South Wales, Australia. Variable-speed transmission gearing. 1,777,103; Sept. 30.
- Murray, Madeline, San Francisco, Calif. Game. 1,745,946; Feb. 4.
- Murray, Norman D., Dartmouth, Nova Scotia, Canada. Blotter holder. 1,785,642; Dec. 16.
- Murray Ohio Manufacturing Company, The. (See Kraeft, Herman L., assignor.)
- Murray, Pendleton W., Omaha, Nebr. Radiator. 1,787,118; Dec. 30.
- Murray Products Company, The. (See James M., assignor.)
- Murray, Roland N. (See Ergle, Bertie W., assignor.)
- Murray, Thomas E. (See Bennett, Irving T., assignor.)
- Murray, Thomas E. (See Murray, T. E., jr., and Bennett, assignors.)
- Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B., T. E. jr., and J. F. Murray, executors. Radiator. 1,744,078; Jan. 21.
- Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B., T. E., jr., and J. F. Murray, executors. Heat-conducting tube. 1,746,272; Feb. 11.
- Murray, Thomas E., deceased, New York, N. Y.; J. B., T. E., jr., and J. F. Murray, executors. Boiler and the like. 1,746,711; Feb. 11.
- Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B., T. E., jr., and J. F. Murray, executors. Boiler and the like. 1,755,888; Apr. 22.
- Murray, Thomas E., deceased, Brooklyn, Joseph B. Murray, Thomas E. Murray, jr., and John F. Murray, executors, assignors to Metropolitan Engineering Company. Boiler wall. 1,774,150; Aug. 26.
- Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Boiler. 1,774,810; Sept. 2.
- Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Radiator. 1,776,080; Sept. 16.
- Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Burner. 1,776,841; Sept. 30.
- Murray, Thomas E., deceased, Brooklyn, J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company, New York, N. Y. Combined heater and radiator. 1,779,139; Oct. 21.
- Murray, Thomas E., jr. (See Murray, Joseph B. and T. E., jr.)
- Murray, Thomas E., jr. (See Phelps, G. H., and Murray.)
- Murray, Thomas E., jr., et al., executors. (See Murray, Thomas E.)
- Murray, Thomas E., jr., et al., executors. (See Williams, Herbert H.)
- Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Engineering Company. Valve casing and the like and making the same. 1,771,187; July 22.
- Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Engineering Company. Making wheels. 1,776,081; Sept. 16.
- Murray, Thomas E., jr., and I. T. Bennett; said Bennett assignor to T. E. Murray, Brooklyn, N. Y. Welding copper and the like. 1,750,643; Mar. 18.
- Murray, Thomas J., Beacon, N. Y. Machine for shaping conical metal forms. 1,760,432; May 27.
- Murray, William S. (See Bailey, R. O., and Murray.)
- Murray, William S. (See Gray, D., Bailey, and Murray.)
- Murray, William S., Utica, assignor to Oneida Community Limited, Oneida, N. Y. Tarnish-resisting silver and silver plate and producing the same. 1,758,293; May 13.
- Murray, William S., Utica, assignor to Oneida Community Limited, Oneida, N. Y. Electroplating. 1,772,840; Aug. 12.
- Murret, Wilhelm, Pittsburgh, Pa. Carburetor. 1,746,439; Feb. 11.
- Murrey, Ed, College View, Nebr. Drainage system. 1,760,314; May 27.
- Murrill, Paul I., South Norwalk, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Pickling and cleaning of metals. 1,748,494; Feb. 25.
- Murrill, Paul I., Plainfield, N. J., and W. W. Evans, New Rochelle, assignors to R. T. Vanderbilt Co., Inc., New York, N. Y. Treatment of rubber. 1,755,703; Apr. 22.
- Murufas, Menelaus, Los Angeles, Calif. Advertising device. 1,771,687; July 29.
- Musall, Charles A., Detroit, Mich. Carbureting means. 1,767,305; June 24.

- Musaues, Hans, Brooklyn, N. Y. Ice skate. 1,757,649; May 6.
- Musgrave, Joseph L., London, England. Heating and cooling of buildings. 1,771,268; July 22.
- Musgrave, Joseph L., and R. G. Crittall, London, England. Heating and cooling of buildings. 1,771,269; July 22.
- Musgrove, Floyd L., Shenandoah, Iowa, assignor to The Colonial Cabin Camp Corporation, Topeka, Kans. Tourist-park-entrance unit. Des. 81,804; Aug. 12.
- Musgrove, John C., Lanesboro, Mass., assignor to General Electric Company. Electric heating unit. 1,751,416; Mar. 18.
- Musher, Albert, Washington, D. C. Preserving emulsions. 1,782,011; Nov. 18.
- Muskegon Manufacturing Company. (See Hills, George T., assignor.)
- Musmann, Henry F. C., Denver, Colo. Railroad-crossing gate. 1,765,936; June 24.
- Musoman, Benjamin E., New Castle, Pa. Milk-bottle holder. 1,742,272; Jan. 7.
- Musselman, Alvin J., Akron, Ohio. Making tires. 1,779,244; Oct. 21.
- Musselman, Harvey S., Seattle, Wash. Garment pocket. 1,743,045; Jan. 7.
- Musselwhite, Richard I., London, England. Canopy for motor cars. 1,773,006; Aug. 12.
- Musser, Clarence W., Kansas City, Mo. Vending-machine door. Des. 82,105; Sept. 23.
- Mussey, William H., assignor to Pullman Car & Manufacturing Corporation, Chicago, Ill. Car ventilator. 1,772,677; Aug. 12.
- Mussey, William H., assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Car-vestibule diaphragm. 1,773,822; Aug. 26.
- Mustakos, Steve. (See Johns, George H., assignor.)
- Mustin, Gilbert B., Lansdowne, Pa. Box provided with easel. 1,745,947; Feb. 4.
- Mustin, Gilbert B., Lansdowne, Pa. Making chewing-gum sandwiches. 1,771,506; July 29.
- Mustin, Gilbert B., Lansdowne, Pa. Chewing gum and making same. 1,771,981; July 29.
- Mustin, Gilbert B., Lansdowne, Pa. Chewing gum and making same. 1,771,982; July 29.
- Musto, Domenico. (See Carpinella, D., and Musto.)
- Mutch, George A. (See Rice, H., and Mutch.)
- Mutch, Robert M., South Hadley Falls, Mass. Safety guard apparatus for platers. 1,761,045; June 3.
- Muth, Friedrich. (See Ballauf, F., Muth, and Schmelzer.)
- Muth, John E. (See Danner, P. S., and Muth.)
- Muthig, Otto. (See Bethmann, G., and Muthig.)
- Mutscheller, Arthur, New York, N. Y., assignor to Wappler Electric Company, Inc. X-ray machine. 1,754,799; Apr. 15.
- Mutti, Louis, Paris, France. Powder-supplying device with adjustable feed. 1,781,595; Nov. 11.
- Mutual Chemical Company of America. (See Tarr, Omar F., assignor.)
- Mutual Metal Manufacturing Company. (See Goodfriend, Henry, assignor.)
- Mutz, Walter E., Roslindale, and B. B. Leavers, Medford, assignors to Chelsea Clock Company, Chelsea, Mass. Combined ship bell and striking unit. Des. 82,389; Oct. 28.
- Muzik, Victor V., Chicago, Ill. Aeroplane-control mechanism. 1,755,889; Apr. 22.
- Muzzey, Fred E., Haverhill, Mass. Lever-clamp jack. 1,775,910; Sept. 16.
- Myer, Albert P., assignor to Simplex Heat Regulator Company, Minneapolis, Minn. Heat indicator and regulator. 1,743,229; Jan. 14.
- Myer, Albert P., assignor to Simplex Heat Regulator Company, Minneapolis, Minn. Alternating-current motor. 1,750,240; Mar. 11.
- Myer, Oscar, Youngstown, Ohio. Set of puzzle numerals. Des. 82,225; Oct. 7.
- Myer, Percy L. (See Finn, A. J., and Myer.)
- Myerly, Charles L., et al. (See Powell, Richard L., assignor.)
- Myers, Albert J., assignor to The Koppers Company, Pittsburgh, Pa. Rotary grizzly. 1,785,841; Dec. 23.
- Myers, Cornelius T., Avenel, N. J. Magazine lubricating means for vehicle parts. 1,752,960; Apr. 1.
- Myers, Cornelius T., Avenel, N. J. Magazine-lubricating means. 1,769,069; July 1.
- Myers, Don D. (See Brockway, C. P., and Myers.)
- Myers, Don D., Toledo, Ohio. Loose-leaf binder and manufacturing the same. 1,765,353; June 17.
- Myers, Don D., Toledo, Ohio, assignor to Monroe Auto Equipment Company, Monroe, Mich. Shock absorber. 1,772,754; Aug. 12.
- Myers, Elman B., Norristown, Pa., assignor of ten per cent to Howard W. Dix, New York, N. Y. Preparing dispersions. 1,774,609; Sept. 2.
- Myers, Eugene V., East Orange, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Valve for pneumatic tires or the like. 1,782,580; Nov. 25.
- Myers, F. E., & Brother Company, The. (See Myers, Philip A., assignor.)
- Myers, Frederick A., assignor to Dunning Compressor Co., Philadelphia, Pa. Preventing oil from passing pistons. 1,766,829; June 24.
- Myers, George F., New York, N. Y. Flying machine. 1,768,708; July 1.
- Myers, George F., Jackson Heights, N. Y. Aircraft safety device. 1,777,528; Oct. 7.
- Myers, Harold C., Los Angeles, Calif. Mortar-board cap. 1,745,184; Jan. 28.
- Myers, Harry J., Central Falls, R. I. Loom temple. 1,756,520; Apr. 29.
- Myers, Harry L. (See Wolfe, H. H., and Myers.)
- Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Clamping device. 1,757,679; May 6.
- Myers, Hubert A., Toledo, Ohio. Musical toy. 1,751,490; Mar. 25.
- Myers, Hubert A., Toledo, Ohio. Musical toy. 1,751,491; Mar. 25.
- Myers, Hubert A., Toledo, Ohio. Accelerator control. 1,752,501; Apr. 1.
- Myers, Hubert A., Toledo, Ohio. Lighter. 1,782,544; Nov. 25.
- Myers, Hubert A., assignor of one-half to A. S. Hickok, Toledo, Ohio. Railroad cross-pavement construction. 1,742,554; Jan. 7.
- Myers, Hubert A., assignor of one-half to A. S. Hickok, Toledo, Ohio. Confection musical toy. 1,759,953; May 27.
- Myers, Hubert A., assignor of one-half to A. S. Hickok, Toledo, Ohio. Sound instrument. 1,759,954; May 27.
- Myers, Hubert A., assignor to The Myers Regulator Company, Toledo, Ohio. Window regulator. 1,769,156; July 1.
- Myers, Hubert A., assignor to The Myers Regulator Company, Toledo, Ohio. Window regulator. 1,785,784; Dec. 23.
- Myers, John, Oroville, Calif. Parking device for motor vehicles. 1,758,964; May 20.
- Myers, John L. (See Waters, Roy M., assignor.)
- Myers, John R., Elizabeth, N. J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,749,834; Mar. 11.
- Myers, Joseph W., Jackson, Mich. Nut-setting machine. 1,766,139; June 24.
- Myers, Joseph W., Jackson, Mich. Safety cabinet. 1,775,654; Sept. 16.
- Myers, L. A., Jr., Inc. (See Myers, William L., assignor.)
- Myers, L. A., Jr., Inc. (See Myers, W. L., and Harrison, assignor.)
- Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,749,835; Mar. 11.
- Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,751,840; Mar. 25.
- Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,776,794; Sept. 30.
- Myers, Lewis E., Valparaiso, Ind., assignor, by mesne assignments, to The Northern Trust Company and H. H. Rockwell, as trustees. Educational device for interchangeable topics. 1,729,241; May 20.
- Myers, Marcus A., Gloversville, N. Y., assignor to Myers' Woolly Animals, Inc. Carrying bag. Des. 81,346; June 10.
- Myers, Marcus A., Gloversville, N. Y., assignor to Myers' Woolly Animals, Inc. Carrying bag. Des. 81,347; June 10.
- Myers, Nelson H., and F. Goodall, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Tire-building machine. 1,745,183; Jan. 28.
- Myers, Philip A., assignor to The F. E. Myers & Brother Company, Ashland, Ohio. Pump-motor support. 1,784,245; Dec. 9.
- Myers Regulator Company, The. (See Myers, Hubert A., assignor.)
- Myers, Robert R., Las Vegas, Nev., assignor to Clean-Between Tooth Brush Company, St. Louis, Mo. Tooth-brush. 1,753,385; Apr. 8.
- Myers, Thomas G., Los Angeles, Calif., assignor, by mesne assignments, to General Electric Company. Induction motor with variable reactance. 1,752,104; Mar. 25.
- Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stitch-forming mechanism for sewing machines. 1,780,309; Nov. 4.
- Myers, Warren M., Saginaw, Mich. Vacuum container. 1,755,333; Apr. 22.
- Myers, William L., assignor to L. A. Myers, Jr., Inc., Newark, N. J. Buckle. Des. 80,423; Jan. 28.
- Myers, William L., assignor to L. A. Myers, Jr., Inc., Newark, N. J. Buckle. Des. 80,451; Feb. 4.
- Myers, William L., assignor to L. A. Myers, Jr., Inc., Newark, N. J. Buckle. Des. 80,539; Feb. 18.
- Myers, William L., assignor to L. A. Myers, Jr., Inc., Newark, N. J. Buckle. Des. 80,693; Mar. 11.
- Myers, William L., assignor to L. A. Myers, Jr., Inc., Newark, N. J. Buckle. Des. 80,851; Apr. 1.
- Myers, William L., assignor to L. A. Myers, Jr., Inc., Newark, N. J. Buckle. Des. 81,105; May 6.
- Myers, William L., assignor to L. A. Myers, Jr., Inc., Newark, N. J. Buckle. Des. 81,144; May 13.
- Myers, William L., assignor to L. A. Myers, Jr., Inc., Newark, N. J. Buckle. Des. 81,253; May 27.
- Myers, William L., St. Louis, Mo. Self-cleaning rake. 1,786,770; Dec. 30.
- Myers, William L., Newark, and G. D. Harrison, Belleville, assignors to L. A. Myers, Jr., Inc., Newark, N. J. Button cover. 1,774,033; Aug. 26.
- Myers, William S., Westmoreland, Kans. Support. 1,769,803; July 1.

- Myers, Wilson R., New York, N. Y., assignor to Ice Cream Smack Products Co. Article discharging and conveying apparatus for paper-cylinder-forming machines. 1,753,867; Apr. 8.
- Myers, Wilson R., assignor to Ice Cream Smack Corporation, New York, N. Y. Crimping mechanism for cylinder-forming machines. 1,761,990; June 3.
- Myers, Wilson R., and B. O. Opitz, Portland, Oreg., assignors, by mesne assignments, to Ice Cream Smack Corporation. Cylinder-forming machine. 1,752,995; Apr. 1.
- Myers, Wilson R., and B. O. Opitz, Portland, Oreg., assignors, by mesne assignments, to Ice Cream Smack Corporation. Machine for making confections. 1,775,597; Sept. 9.
- Myers' Woolly Animals, Inc. (See Myers, Marcus A., assignor.)
- Myerson, Adolph, Philadelphia, Pa. Reclining chair. 1,773,597; Aug. 19.
- Myerson, Simon, Cambridge, Mass. Artificial tooth. 1,752,538; Apr. 1.
- Myerstuen, Andrew, Seattle, Wash. Ship's pilot ladder. 1,753,060; Apr. 1.
- Mylius, Walter G., Wilkesburg, Pa., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Starting mechanism for automobiles. Re17,679; May 27.
- Mylius, Walter G., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Casing structure. 1,743,159; Jan. 14.
- N. D. Q. Specialty Corporation et al. (See Reisert, Mathias, assignor.)
- N. V. Internationale Automaten-Maatschappij, La, Lange Voorhout. (See Wetzel, C., and Inhoffen, assignors.)
- N. V. Nederlandsche Instrumenten Compagnie. (See Steinle, Adolf, assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)
- N. V. Philips' Gloeilampen-Fabrieken. (See Bruijnes, J., Van der Hoeven, and Oosterhuis, assignors.)
- N. V. Philips' Gloeilampenfabrieken. (See de Boer, Jan H., assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See De Jong, H., Lely, and Shepherd, assignors.)
- N. V. Philips' Gloeilampenfabrieken. (See Dobben, Pieter W., assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Holst, G., Jonas, and Bouwers, assignors.)
- N. V. Philips' Gloeilampenfabrieken. (See Schoonenberg, P., and Hardenberg, assignors.)
- N. V. Philips' Gloeilampenfabrieken. (See Van Arkel, Anton E., assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Van Liempt, Johannes A. M., assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Voorhoeve, N. A. J., and de Haas, assignors.)
- Naab, George F., and A. B. Waltz, assignors to The North American Manufacturing Company, Cleveland, Ohio. Sand riddle. 1,746,958; Feb. 11.
- Naab, Julius. (See Redfield, S. B., and Naab.)
- Naamlooze Vennootschap Algemeene Norit Maatschappij. (See Sauer, Johan N. A., assignor.)
- Naamlooze Vennootschap Anton Jurgens Margarine fabrieken. (See Van Loon, Christiaan, assignor.)
- Naamlooze Vennootschap Appingedammer Bronsmotoren-fabriek. (See Brons, Jan, assignor.)
- Naamlooze Vennootschap: Glasfabriek "Leerdam" voorheen Jeekel, Mijnsen & Co. (See van Dijk, Willem J. D., assignor.)
- Naamlooze Vennootschap: Hollandsche Industrie-en Handelsmaatschappij. (See Stratomeyer, Karl, assignor.)
- Naamlooze Vennootschap Ingenieurs Kantoor voor Scheepsbouw. (See Behrmann, Georg J. K., assignor.)
- Naamlooze Vennootschap Internationale Oxygenium Maatschappij Novadel. (See Smit, Jan A. B., assignor.)
- Naamlooze Vennootschap Kromhout Motoren Fabriek D. Goedkoop Jr., et al. (See Brons, Jan, assignor.)
- Naamlooze Vennootschap Maatschappij tot Veraardiging van Snijmachines Volgens van Berkel's Patent en van Andere Werktuigen. (See de Brouckere, L., and van Duyn, assignors.)
- Naamlooze Vennootschap Maatschappij tot Veraardiging van Snijmachines volgens Van Berkel's Patent en van andere Werktuigen. (See van Duyn, Adrianus, assignor.)
- Naamlooze Vennootschap: Maatschappij voor Nitvindingen van Dikkers en Bargeboer. (See Bargeboer, Adolf, assignor.)
- Naamlooze Vennootschap Machinerieën en Apparaten Fabrieken. (See Grob, Hugo, assignor.)
- Naamlooze Vennootschap Nederlandsche Gruyère-Blokmelk Fabriek. (See Born, Philipp, assignor.)
- Naamlooze Vennootschap Nederlandsche Kabelfabriek. (See Proos, Cornelis F., assignor.)
- Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek. (See Hensing, J. C., and Lubberhuizen, assignors.)
- Naamlooze Vennootschap Technisch- en Handelsbureau Van Vliet en Zonen. (See Bernaerts, Henricus, F. J., assignor.)
- Nabb, James W., Newark, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-pressing machine. 1,749,885; Mar. 11.
- Nabholz, Hans, Essonnes, France. Dyeing machine. 1,780,628; Nov. 4.
- Nachman, Fred A. (See Suekoff, Louis A., assignor.)
- Nachman, Louis, and S. Finkelstein, Philadelphia, Pa. Elastic-band structure. 1,751,595; Mar. 25.
- Nachod and United States Signal Co. et al. (See Richter-kessing, Frank H., assignor.)
- Nachtigal, Daniel, Hibbing, Minn. Collar button. 1,753,130; Apr. 1.
- Nachtsheim, Peter, Barnsdall, Okla. Cracking petroleum and mineral oils and their different fractions. 1,758,618; May 13.
- Nachumsohn, Irving, Chicago, Ill. Radio apparatus. 1,769,851; July 1.
- Nacker, Owen M., Pleasant Ridge, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,773,745; Aug. 26.
- Nacker, Owen M., assignor of one-half to A. P. Brush, Detroit, Mich. Brake-equalizing mechanism. 1,780,498; Nov. 4.
- Nacket, Richard, Vancouver, British Columbia, Canada. Aeration device for internal-combustion engines. 1,760,315; May 27.
- Nadel, Louis D. (See Candee, A. H., Head, and Nadel.)
- Nadell, Abraham M., Detroit, Mich. Automobile seat. 1,743,377; Jan. 14.
- Nadic, Ltd. (See Butler, George H., assignor.)
- Naef, Donald L., Wood River, Ill., assignor to Standard Oil Company, Whiting, Ind. Filtering mineral oils. 1,753,900; Apr. 8.
- Naert, Alexis, Detroit, Mich. Stock-feeding collect. 1,772,362; Aug. 5.
- Naffziger, E. J. (See Bellah, George R., assignor.)
- Nafziger, Ralph L., Kansas City, Mo. Engine-control means. 1,742,719; Jan. 7.
- Nagacheff, Boris. (See Chilowsky, C., and Nagacheff.)
- Nagao, Masa, assignor to Y. Yashima, Tokyo, Japan. Hydraulic accommodation fan. 1,742,366; Jan. 7.
- Nagel, Charles, Los Angeles, Calif. Safety paper. Des. 80,631; Mar. 4.
- Nagel-Chase Manufacturing Company, The. (See Schultz, Edward, assignor.)
- Nagel, George E., Columbus, Ohio. Mold. 1,753,061; Apr. 1.
- Nagel, George E., Columbus, Ohio. Crossing slab. 1,763,477; June 10.
- Nagel, Henry W., Alliance, assignor to The Colonial Iron Works Company, Cleveland, Ohio. Drier for sand and the like. 1,787,280; Dec. 30.
- Nagel, Konrad, assignor to The firm J. G. Kayser A. G., Nuremberg, Germany. Ejecting implement for cold-pressed headed bolts. 1,743,564; Jan. 14.
- Nagel, Otto, and W. Kaempfer, assignors to Badische Maschinenfabrik & Eisengießerei vormals G. Sebold und Sebald & Neff, Durlach, Bade, Germany. Nozzle. 1,775,911; Sept. 16.
- Nagel, Theodore, Brooklyn, N. Y. Briquette oven. 1,782,244; Nov. 18.
- Nagel, Walter, Harvey, assignor to Whiting Corporation, Harvey, Ill. Drop pit. 1,773,746; Aug. 26.
- Naggatz, Frank H., Fairmount, N. Dak. Adjustable license-plate holder. 1,784,196; Dec. 9.
- Nagin, Harry, assignor to Tri-Lok Company, Pittsburgh, Pa. Grating structure. 1,759,271; May 20.
- Nagle, Baker Company. (See Nagle, W. G., and Lehman, assignors.)
- Nagle, Charles J., Herkimer, N. Y. Liquid agitation cooler. 1,750,726; Mar. 18.
- Nagle, Edward, New Philadelphia, assignor of one-half to C. C. Davis, Uhrichsville, Ohio. Locomotive brake shoe. 1,752,686; Apr. 1.
- Nagle, Harold E., Kansas City, Mo. Package-dispensing machine. 1,783,479; Dec. 2.
- Nagle, Oscar N., Turpin, Okla. Grain separator. 1,781,472; Nov. 11.
- Nagle, Peter J. (See Johnson, Jay M., assignor.)
- Nagle, Walter G., Belleville, and M. Lehman, Quincy, Ill., assignors to Baker Nagle Company, Belleville, Ill. Heater. Des. 80,852; Apr. 1.
- Nagler, Forrest, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic process and apparatus. 1,748,892; Feb. 25.
- Nagler, Forrest, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 1,748,893; Feb. 25.
- Nagy, Berthold, Brooklyn, N. Y. Cork-rod expeller. 1,742,316; Jan. 7.
- Nagy, Berthold, Brooklyn, N. Y. Rod disk cutting machine. 1,769,594; July 1.
- Nagy, Charles, Hillside, N. J. Kite. 1,782,858; Nov. 25.
- Nagy, Joseph, Long Island City, N. Y. Welding torch. 1,758,054; May 13.
- Nagy, Louis, Hazel Cliffe, Saskatchewan, Canada. Attachment to seeding machines. 1,747,525; Feb. 18.
- Nagy, Louis, assignor of one-half to S. F. Halach, Detroit, Mich. Automatic sanitary sugar bowl. 1,756,002; Apr. 22.
- Nagy, William, Bethlehem, Pa. Water-pumping device. 1,768,210; June 24.
- Naiman, Julius M., Kansas City, Mo. Double-delivery pump. 1,746,901; Feb. 11.
- Naintau, John B., Bridgeton, assignor, by mesne assignments, to J. Montgomery, Woonsocket, R. I. Spindle bearing. 1,745,112; Jan. 28.
- Nalrn, James S., Wardie, Edinburgh, Scotland. Cinematograph projection apparatus. 1,750,020; Mar. 11.

- Nairne, Eldridge E., Boston, assignor of three-quarters to N. Aronson, Roxbury, Mass. Coating apparatus. 1,776,006; Sept. 16.
- Naismith, Samuel, Chicago, Ill. Open-hearth furnace. 1,778,505; Oct. 14.
- Naismith, William G., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Tool retainer. 1,747,985; Feb. 18.
- Naismith, William G., assignor to The Gardner-Denver Company, Denver, Colo. Tool retainer. 1,776,922; Sept. 30.
- Nakagawa, Shoichi, San Jose, Calif. Cooking utensil. 1,766,797; June 24.
- Nakamura, Michisuke, Hiratsuka Mura, Ebara Gun, Tokyo Fu, assignor to Sankyo Kabushiki Kaisha, Muromachi, Nihombashi Ku, Tokyo, Japan. Manufacturing colorless and transparent phenol resin. 1,775,135; Sept. 9.
- Nakazawa, Kiyoshi. (See Ohori, T., and Nakazawa.)
- Nakken Patents Corporation. (See Nakken, Theodor H., assignor.)
- Nakken, Theodor H., Brooklyn, N. Y., assignor to Nakken Patents Corporation. Apparatus for photographically recording and reproducing sound. 1,767,547; June 24.
- Nalder Brothers & Thompson Limited. (See Lipman, Chmoul L., assignor.)
- Nalon, Thomas M., Ansonia, Conn., assignor, by mesne assignments, of two-thirds to E. Perez y Perez and one-third to M. Q. Lopez y Perez, Habana, Cuba. Juice strainer. 1,763,978; June 17.
- Nance, William B., San Leandro, Calif. Drain trap. 1,751,877; Mar. 25.
- Nanfelfdt, William, New Haven, Conn., assignor to World Bestos Corporation, New York, N. Y. Friction and heat resisting article and manufacturing the same. 1,758,055; May 13.
- Nanji, Dinshaw R., Headingley, Leeds, assignor of one-half to D. M. Stewart, London, England. Treating fibrous plant tissues. 1,746,842; Feb. 11.
- Nankivell, Frank J., New York, N. Y., assignor to General Electric Company. Faulty-line-section cut-out. 1,743,795; Jan. 14.
- Nanz, Robert, New York, N. Y. Roller skate. 1,751,942; Mar. 25.
- Napier Company, The. (See Rettenmeyer, Frederick W., assignor.)
- Napier Company, The. (See Schuelke, Emil A., assignor.)
- Napon Rayon Corporation. (See Jessen, Charles C., assignor.)
- Nardell, Patrick, et al. (See Martino, Ciro L., assignor.)
- Narducci, Giulio, South Tacoma, Wash. Rotary brush. 1,766,140; June 24.
- Narragansett Machine Company. (See Thornley, Albert E., assignor.)
- Narrow, Anton H., Memphis, Tenn. Keyboard cam roll. 1,782,694; Nov. 25.
- Narrow Fabric Co., The. (See Huber, Otto E., assignor.)
- Narusch, Joseph T., Akron, Ohio. Lighter-than-air craft. 1,764,336; June 17.
- Narverud, Olof A., Minneapolis, Minn. Attachment for pencil sharpeners. 1,753,275; Apr. 8.
- Narvesen, Frederick C. (See Chafee, E. W., and Narvesen.)
- Nascent Amalgam Corporation, The. (See Hopkins, James E., assignor.)
- Naschke, Harry C., jr., assignor to Morris Truck and Wheel Co. Inc., Philadelphia, Pa. Thread-guard caster. 1,780,761; Nov. 4.
- Nash, Arthur E., Philadelphia, and J. S. Alcorn, Cynwyd, assignors to Alcorn Combustion Company, Philadelphia, Pa. Heat-transfer system. 1,782,829; Nov. 25.
- Nash, Benjamin S., Short Hills, N. J., assignor to The Stearns & Foster Company, Lockland, Ohio. Textile fabric or similar article. Des. 80,694; Mar. 11.
- Nash, Benjamin S., Short Hills, N. J., assignor to The Stearns & Foster Company, Lockland, Ohio. Ticking. Des. 80,906; Apr. 8.
- Nash, Benjamin S., Short Hills, N. J., assignor to The Stearns & Foster Company, Lockland, Ohio. Textile fabric. Des. 81,015; Apr. 22.
- Nash, Benjamin S., Short Hills, N. J., assignor to The Stearns & Foster Company, Lockland, Ohio. Ticking fabric. Des. 81,016; Apr. 22.
- Nash, Benjamin S., Short Hills, N. J., assignor to The Stearns & Foster Company, Lockland, Ohio. Textile fabric. Des. 82,952; Dec. 30.
- Nash, Charles A., Portland, Oreg. Garter button. 1,751,707; Mar. 25.
- Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Shock absorber. 1,753,937; Apr. 8.
- Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Template for forming key openings in railway draft rigging. 1,758,235; May 13.
- Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Company. Bearing for brake hangers. 1,766,346; June 24.
- Nash Engineering Company. (See Jennings, Irving C., assignor.)
- Nash Engineering Company. (See Wyllie, H. M., and Adams, assignors.)
- Nash, John, Tacoma, Wash. Building block. 1,751,748; Mar. 25.
- Nash, John T., and K. S. Nash, Beaumont, Tex. Gauge stick. 1,769,533; July 1.
- Nash, Kelton S. (See Nash, John T. and K. S.)
- Nash Motors Company, The. (See Auten, James E., assignor.)
- Nash Motors Company. (See Wahlberg, Nils E., assignor.)
- Nash, Reuel C., Fairfax, Okla. Lawn-mower sharpener. 1,745,439; Feb. 4.
- Nash, Russell K., Brookline, assignor to Boston Blacking Company, Inc., Boston, Mass. Coating apparatus. 1,771,388; July 22.
- Nash, Weston M., Saginaw, Mich. Chair for hunters. 1,752,105; Mar. 25.
- Nashua Gummed & Coated Paper Company. (See Decker, J. Green, and Nunez, assignors.)
- Nashua Manufacturing Company. (See Knowland, R. G., and Loveridge, assignors.)
- Nashua Sure-Hold Company. (See Carter, Winthrop L., assignor.)
- Nasmith, John I., Eltham, London, and C. B. Chicken, Bexley Heath, assignors to Vickers-Armstrong Limited, Westminster, England. Mechanism for raising feed and other tables or platforms. 1,746,712; Feb. 11.
- Nasmith, John I., Erith, assignor to Vickers Limited, Westminster, England. Cutting and creasing press for paper, cardboard, or the like. 1,785,526; Dec. 16.
- Nason, John R., Auburn, Me. Economizer. 1,752,452; Apr. 1.
- Nason, R. N. & Co. (See Tight, Dexter J., assignor.)
- Nassif, A. M., et al. (See Martin, S. O., and Bridenbaugh, assignors.)
- Nasu, Otoheli. (See Bowler, G. H., and Nasu.)
- Naterman, Henry C., Los Angeles, Calif. Shingle. Des. 81,200; May 20.
- Nathan, Albert F. (See De Leenw, Adolph L., assignor.)
- Nathan & Cohen Co. (See Krelelsheimer, William, assignor.)
- Nathan, Edwin B., Yonkers, N. Y. Weather or winter closure for automobiles. 1,747,677; Feb. 18.
- Nathan, Leopold, Zurich, assignor to the Corporation of Hansena A.-G., Glarus, Switzerland. Process and apparatus for the filtration of beer wort for further treatment, and for the filtration of beer and other foaming liquids. 1,754,432; Apr. 15.
- Nathan Manufacturing Company. (See Greene, Arthur M., jr., assignor.)
- Nathansohn, Henry, Oslo, Norway. Display sign. 1,764,639; June 17.
- Nathanson, Isidore. (See Rodstein, H., and Nathanson.)
- Nation, John, Highmore, S. Dak. Wrench. 1,782,364; Nov. 18.
- National Acme Company, The. (See Petsche, G. B. and Drissner, assignors.)
- National Acme Company, The. (See Drissner, Alfred E., assignor.)
- National Acme Company, The. (See Garey, Charles Q., assignor.)
- National Acme Company, The. (See Hogg, William J., assignor.)
- National Acme Company, The. (See Hogg, W. J., and Neumann, assignors.)
- National Acme Company, The. (See Trobeck, Olof E., assignor.)
- National Air Brake Service, Inc. (See Ricketts, James R., assignor.)
- National Air-Lub Products Incorporated. (See Buchet, Conrad R., assignor.)
- National Airoil Burner Company. (See Ferguson, William, assignor.)
- National Aluminate Corporation. (See Evans, Wilson, assignor.)
- National Aniline & Chemical Company. (See Bissell, D. W., and Kranz, assignors.)
- National Aniline & Chemical Co. (See Cotton, William J., assignor.)
- National Aniline & Chemical Company. (See Croakman, Elmer G., assignor.)
- National Aniline & Chemical Company. (See Dieterle, Paul, assignor.)
- National Aniline & Chemical Co. (See Field, Crosby, assignor.)
- National Aniline & Chemical Co. Inc. (See Geller, Leon W., assignor.)
- National Aniline & Chemical Co. (See Heritage, Clark C., assignor.)
- National Aniline & Chemical Co. (See Hess, Ray W., assignor.)
- National Aniline & Chemical Co. (See Kyrides, Lucas P., assignor.)
- National Aniline & Chemical Co. (See Meyers, Sidney E., assignor.)
- National Aniline & Chemical Co. (See Murch, Wilfred M., assignor.)
- National Aniline & Chemical Co. (See Murch, W. M., and Cauwenberg, assignors.)
- National Aniline & Chemical Co. (See Pepper, Russell J., assignor.)
- National Aniline & Chemical Co. (See Ralph, Walter M., assignor.)
- National Aniline & Chemical Company. (See Schmitt-nägel, Johann P., assignor.)
- National Aniline & Chemical Company. (See Spalding, William L., assignor.)
- National Aniline & Chemical Company. (See Thornton, I. T., and Crowell, assignors.)
- National Aniline & Chemical Co. (See Wait, Justin F., assignor.)

- National Aniline & Chemical Co. (See Wendler, Adolph F., assignor.)
 National Aniline & Chemical Co. (See Wendler, A. F., and Thornton, assignors.)
 National Aniline & Chemical Company. (See West, Byron L., assignor.)
 National Appliance Company, The. (See Kurtz, Cyrus B., assignor.)
 National Automotive Fibres. (See Brintnall, Frank W., assignor.)
 National Automatic Tool Company, The. (See Bockhoff, Harry W., assignor.)
 National Automatic Tool Company, The. (See Galloway, Robert M., assignor.)
 National Automatic Tool Company, The. (See Galloway, R. M., and Muhl, assignors.)
 National Automatic Tool Company, The. (See Galloway, R. M., and Schafer, assignors.)
 National Automatic Tool Company, The. (See Herzberg, A. A. and Schultz, assignors.)
 National Automatic Tool Company. (See Sudhoff, Alfred G., assignor.)
 National Biscuit Company. (See Chappory, A. C., jr., and Posev, assignors.)
 National Biscuit Company. (See Costello, William, jr., assignor.)
 National Biscuit Company. (Crossmore, Edward Y., assignor.)
 National Biscuit Company. (See Crossmore, E. Y., Chappory, jr., and Posey, assignors.)
 National Biscuit Company. (See Turnbull, Werd W., assignor.)
 National Blank Book Company. (See Schade, Frank S., assignor.)
 National Blank Book Company. (See Schade, John, assignor.)
 National Boiler Washing Company of Illinois. (See Otis, S., and Herren, assignors.)
 National Brass Manufacturing Company. (See Wray, Charles F., assignor.)
 National Brake & Electric Company. (See Aikman, Burton S., assignor.)
 National Brake & Electric Company. (See Beimling, William A., assignor.)
 National Brick Company. (See Hilgendorf, Henry, assignor.)
 National Brick Company. (See Therrien, Arthur J., assignor.)
 National Brick Company. (See Weber, C. J., and Seek, assignors.)
 National Carbon Company. (See Baekler, Walter, assignor.)
 National Carbon Company. (See Bryce, C. K., and Jones, assignors.)
 National Carbon Co. (See Currie, Lauchlin M., assignor.)
 National Carbon Company. (See Gillingham, Charles A., assignor.)
 National Carbon Co. (See Greider, Clarence E., assignor.)
 National Carbon Company. (See Hamister, Victor C., assignor.)
 National Carbon Company. (See Hansen, C., and Ellison, assignors.)
 National Carbon Company. (See Heise, G. W., and Brokate, assignors.)
 National Carbon Co. (See Heise, G. W., and Schumacher, assignors.)
 National Carbon Company. (See Heise, G. W., and Thompson, assignors.)
 National Carbon Company. (See Hendry, William F., assignor.)
 National Carbon Company. (See Herman, Albert F., assignor.)
 National Carbon Company. (See Hopkins, Nevil M., assignor.)
 National Carbon Co. (See Huntley, Alton K., assignor.)
 National Carbon Company. (See Jones, Homer W., assignor.)
 National Carbon Company. (See Jones, H. W., and Strohl, assignors.)
 National Carbon Company. (See Kiefer, Edwin F., assignor.)
 National Carbon Company. (See Kip, Henry E., assignor.)
 National Carbon Company. (See Smith, Ralph R., assignor.)
 National Carbon Company. (See Voorhees, Lee G., assignor.)
 National Carbonic Machinery Company. (See Labus, Otto A., assignor.)
 National Cash Register Company, The. (See Arnold, Charles H., assignor.)
 National Cash Register Company, The. (See Berger, Friedrich W. F., assignor.)
 National Cash Register Company, The. (See Block, Abraham, assignor.)
 National Cash Register Company, The. (See Brand, Samuel, assignor.)
 National Cash Register Company, The. (See Carroll, Thomas, assignor.)
 National Cash Register Company, The. (See Carter, Elmer C., assignor.)
 National Cash Register Company, The. (See Colley, Arthur R., assignor.)
 National Cash Register Company, The. (See Frank, John P., assignor.)
 National Cash Register Company, The. (See Fuller, Frederick L., assignor.)
 National Cash Register Company, The. (See Goldberg, Maximilian M., assignor.)
 National Cash Register Company, The. (See Kropff, Wilhelm, assignor.)
 National Cash Register Company, The. (See Robertson, William H., assignor.)
 National Cash Register Company, The. (See Scott, Howard B., assignor.)
 National Cash Register Company, The. (See Shipley, Bernis M., assignor.)
 National Cash Register Company, The. (See Tyler, Frederick H., assignor.)
 National Cash Register Company, The. (See Von Pein, Edward J., assignor.)
 National Cash Register Company, The. (See Wood, Rodney J., assignor.)
 National Casket Company. (See Falck, Joseph E., assignor.)
 National Casket Company. (See Knaus, William A., assignor.)
 National Cedarchex Corporation. (See Winchester, Carey C., assignor.)
 National City Bank of New York, executor, The. (See Balls, Arnold K.)
 National Cold Steam Company. (See Shepherd, John E., assignor.)
 National Company. (See Browning, G. H., and Drake, assignors.)
 National Company, Inc. (See Preston, Burnham G., assignor.)
 National Company. (See Wilson, Clarence E., assignor.)
 National Dehydrator Corporation. (See Palmer, William L., assignor.)
 National Drug Co. (See Mulford, Henry K., assignor.)
 National Electric Heating Company. (See Carleton, Robert A., assignor.)
 National Electric Products Corporation. (See Bennett, Insee A., assignor.)
 National Electric Products Corporation. (See Calderwood, Hugh A., assignor.)
 National Electric Products Corporation. (See Clayton, Martin M., assignor.)
 National Electric Products Corporation. (See Frederickson, Otto A., assignor.)
 National Electric Products Corporation. (See Fullman, James M. G., assignor.)
 National Electric Products Corporation. (See Gangle, Albert J., assignor.)
 National Electric Products Corporation. (See Milcoff, Joseph E., assignor.)
 National Electric Products Corporation. (See Robinson, William C., assignor.)
 National Electric Products Corporation. (See Sharp, L. Alan, assignor.)
 National Electric Products Corporation. (See Staples, Horace A., assignor.)
 National Electric Products Corporation. (See Wanamaker, George L., assignor.)
 National Electric Ticket Register Company. (See Sullivan, William L., assignor.)
 National Electrical Products Company. (See Rollefson, Karl E., assignor.)
 National Electrical Supply Company. (See Mirick, Carlos B., assignor.)
 National Enameling and Stamping Company. (See Sladky, Alexander C., assignor.)
 National Enameling & Stamping Company. (See Sladky, A. C. and J., assignors.)
 National Enameling & Stamping Co. (See Sladky, Joseph, and A. C., assignors.)
 National Engineering Company. (See Christensen, Alfred C., assignor.)
 National Equipment Company. (See Bausman, Alonzo L., assignor.)
 National-Erie Company. (See Vandergrift, Frank C., assignor.)
 National Fire Proofing Company. (See Shipley, Roy A., assignor.)
 National Fireproofing Corporation. (See Babb, Edwin, assignor.)
 National Fireproofing Corporation. (See Christie, Llewellyn M., assignor.)
 National Fireworks, Inc. (See Anderson, Robert J., assignor.)
 National Fireworks, Inc. (See Clark, George J. J., assignor.)
 National Fireworks, Inc. (See Clark, G. J. J., and Jones, assignors.)
 National Foam System, Inc. (See Boyd, Fisher L., assignor.)
 National Formetal Company, The. (See Raus, John, assignor.)
 National Gypsum Company. (See Turner, John J., assignor.)
 National Hydrodriv Company. (See Springsteen, Luther W., assignor.)
 National India Rubber Company. (See Ford, Robert J., assignor.)
 National India Rubber Company. (See Tiffany, Edward L., assignor.)
 National Laboratories Corporation. (See Davis, D. W., and Hardy, assignors.)

- National Laundry Machine Company. (See Seifert, John W., assignor.)
- National Lead Company. (See Newell, James S., assignor.)
- National Lime Association. (See Freret, William A., assignor.)
- National Lock Washer Company, The. (See Cowan, James D., assignor.)
- National Lock Washer Company. (See Golden, Robert F., assignor.)
- National Lock Washer Company. (See Hoyt, Daniel, assignor.)
- National Lock Washer Company, The. (See Mohun, John L., and Piesch, assignors.)
- National Machinery Co., The. (See Clouse, William L., assignor.)
- National Malleable and Steel Castings Company. (See Buckius, Albert O., assignor.)
- National Manufacturing Company. (See Bittorf, Louis A., assignor.)
- National Mfg. Co. (See Sneier, S. L., and Hildebrand, assignors.)
- National Marking Machine Company, The. (See Brinkman, John G., assignor.)
- National Marking Machine Company, The. (See Constable, Charles E., assignor.)
- National Metal and Chemical Bank Limited. (See Stephens, F. G. C., Anderson, and Cash, assignors.)
- National Metal Molding Company. (See Clayton, Martin M., assignor.)
- National Metal Molding Company. (See Fullman, James M. G., assignor.)
- National Metal Molding Company. (See Fullman, J. M. G., and Rittelmann, assignors.)
- National Oil Manifolds, Inc., et al. (See Headen, L. A., and Petit, assignors.)
- National Pad and Binding Company. (See Freyberg, A., and Marcus.)
- National Pad and Binding Company. (See Marcus, Jacob.)
- National Paper Box Co. (See Newton, E. H., and Green, assignors.)
- National Paper Can Company, The. (See Annen, James E., assignor.)
- National Paper Can Company. (See Brooks, Lewis C., assignor.)
- National Paper Can Company, The. (See Frostad, G. O., and Annen, assignors.)
- National Paper Process Company. (See Hurley, Albert B., assignor.)
- National Paper Products Company. (See Frost, John A., assignor.)
- National Pepsi-Cola Corporation. (See Thompson, Paul B., assignor.)
- National Piano Mfg. Co. (See Green, Clifford H., assignor.)
- National Pigments & Chemical Company. (See Ferguson, G. M., and Harth, assignors.)
- National Pneumatic Company. (See Dapron, Joseph M., assignor.)
- National Pneumatic Company. (See Forman, Paris R., assignor.)
- National Pneumatic Company. (See Paul, Abram F., assignor.)
- National Pneumatic Company. (See Rowntree, Harold, assignor.)
- National Pressure Cooker Company. (See Nelson, Carl, assignor.)
- National Processes Limited. (See Storer, George E., assignor.)
- National Products-Supply Company. (See Broeman, Frank C., assignor.)
- National Publishing Company. (See Flett, William, assignor.)
- National Radiator Corporation. (See Waterman, Fred W., jr., assignor.)
- National Rail Joint Corporation. (See Wilbur, Lawrence S., assignor.)
- National Railway Signal Company. (See Hyde, Park B., assignor.)
- National Recording Pump Company, The. (See Eickmeyer, Earl E., assignor.)
- National Recording Pump Company, The. (See Hatmaker, W. T., and Eickmeyer, assignors.)
- National Refrigeration Corporation. (See Dennison, French E., assignor.)
- National Refrigeration Corporation. (See Dennison, F. E., and Ireland, assignors.)
- National Refrigeration Corporation. (See Ireland, Ward S., assignor.)
- National Refrigeration Corporation. (See Wishart, William, assignor.)
- National Rubber Machinery Company. (See Bowers, A. C., and Humphrey, assignors.)
- National Rubber Machinery Company. (See De Mattia, Peter, assignor.)
- National Rubber Machinery Company. (See Kuhlke, Otto J., assignor.)
- National Rubber Machinery Company. (See Schnedacker, Emil, assignor.)
- National Safety Appliance Company. (See Folker, Howard S., assignor.)
- National Sash Weight Corporation. (See Brown, Thomas H., assignor.)
- National Scale Corporation. (See Moran, F. A., and Ruckes, assignors.)
- National Seal Company. (See Wainwright, Herbert, assignor.)
- National Smelting Company, The. (See Weil, Walter M., assignor.)
- National Spun Silk Co. (See Roe, Edwin O., assignor.)
- National Stamping Company. (See Beyer, Fred W., assignor.)
- National Standard Company. (See Alderfer, Sterling W., assignor.)
- National Standard Company. (See Crowley, G. F., and Pierce, assignors.)
- National Standard Company. (See Hopkins, Arthur C., assignor.)
- National-Standard Company. (See Pierce, Robert C., assignor.)
- National Standard Company. (See Wideman, Harold B., assignor.)
- National Steel Fabric Company. (See Edge, Walter S., assignor.)
- National Supply Company, The. (See Archer, Merton, T., assignor.)
- National Supply Company, The. (See Mahan, Joseph R., assignor.)
- National Supply Company, The. (See Mahan, J. R., and Picard, assignors.)
- National Supply Company, The. (See Mahan, J. R., and Wright, assignors.)
- National Supply Company, The. (See Schabarum, Bruno R., assignor.)
- National Supply Company, The. (See Spalding, John D., assignor.)
- National Supply Company, The. (See Spalding, J. D., and Faulkner, assignors.)
- National Supply Company, The. (See Timbs, Edward, assignor.)
- National Supply Company, The. (See Wilson, John M., assignor.)
- National Supply Company, The. (See Wright, Clyde S., assignor.)
- National Supply Company, The. (See Young, John A., assignor.)
- National Supply Company of Delaware, The. (See Timbs, E., and Zerbe, assignors.)
- National Supply Company of Delaware, The. (See Youngken, Ben N., assignor.)
- National Survault Company, The. (See Janda, G. W., and Plaggmire, assignors.)
- National Tile Company, The. (See Fisher, G. W., and Henriksen, assignors.)
- National Tool and Metals, Inc. (See Ost, Frederick A., assignor.)
- National Tool Company, The. (See Simmons, Oliver G., assignor.)
- National Traffic Signal Company. (See Olafson, Alvin O., assignor.)
- National Tube Company. (See Davies, Thomas D., assignor.)
- National Tube Company. (See Dunham, George C., assignor.)
- National Tube Company. (See Rabold, George, sr., assignor.)
- National Tube Company. (See Robinoff, B. S., Paine, and Quillen, assignors.)
- National Turnbuckle Derrick Company, The. (See Besse, Carl H., assignor.)
- National Umbrella Frame Company. (See Garrett, George K., assignor.)
- National Vulcanized Fibre Company. (See McClellan, James L., assignor.)
- National Washboard Company. (See Klaiber, Edward C., assignor.)
- National Watch & Jewelry Co. (See Ritholz, Benjamin D., assignor.)
- National Welders Mfg. & Supply Company, The. (See Bennett, Frederick E., assignor.)
- National Rubber Machinery Company. (See De Mattia, Barthold, assignor.)
- National Sales and Manufacturing Company. (See Thompson, Elmer B., assignor.)
- National Supply Company of Delaware, The. (See Timbs, E., and Zerbe, assignors.)
- National Turpentine Products Company, et al. (See Smith, Eugene B.)
- National Vision-Tone Corporation. (See von Madaler, Ferdinand, assignor.)
- National Wiring & Protective Co. Inc. (See Kertz, James J., assignor.)
- Natkiel, Harry, assignor to The Rieser Company, Inc., New York, N. Y. Bob holder. 1,787,393; Dec. 30.
- Nättcher, Arno and F. Seipp, Frankfort-on-the-Main, Germany, assignors to International Precipitation Company, Los Angeles, Calif. Apparatus for removing suspended material from gases. 1,773,840; Aug. 26.
- Nattrass, Howard, Napier, New Zealand. Lifting-jack attachment for motor vehicles. 1,769,534; July 1.
- Natwick, Albert G., St. Catharines, Ontario, Canada. Circulating apparatus for wood-pulp digesters. 1,784,197; Dec. 9.
- Naugatuck Chemical Company, The. (See Adams, H. S., and Meuser, assignors.)
- Naugatuck Chemical Company, The. (See Cadwell, Sidney M., assignor.)
- Naugatuck Chemical Company, The. (See Hazell, Eardley, assignor.)

- Naugatuck Chemical Company, The. (See Hopkinson, Ernest, assignor.)
- Naugatuck Chemical Company, The. (See Maximoff, Alexander T., assignor.)
- Naugatuck Chemical Company, The. (See McGavack, John, assignor.)
- Naugatuck Chemical Company, The. (See McGavack, J., and Binmore, assignors.)
- Naugatuck Chemical Company, The. (See Owen, Allen F., assignor.)
- Naugatuck Chemical Company, The. (See Rose, R. P., and Cude, assignors.)
- Naugatuck Chemical Company, The. (See Teague, Merwyn C., assignor.)
- Naugatuck Chemical Company, The. (See Traube, Isidor, assignor.)
- Naugle, Girardus G. (See Hoff, C. L., and Naugle.)
- Naugle, Harry M., and A. J. Townsend, Canton, assignors, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Continuous-pickling process. 1,765,498; June 24.
- Naugle, Harry M., and A. J. Townsend, Canton, assignors, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Cold rolling and coiling strips. 1,781,123; Nov. 11.
- Naugle, John J. (See Wickenden, Leonard, assignor.)
- Naugle, John J., Brooklyn, N. Y. Filtering method and means. 1,772,262; Aug. 5.
- Naujoks, William, and E. E. McLaughlin, Los Angeles, Calif. Combination folding support for musical instruments. 1,773,237; Aug. 19.
- Naul, James N., Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric suction cleaner. 1,766,929; June 24.
- Naumann, Erich, Brooklyn, N. Y. Games. 1,771,507; July 29.
- Naumann, Theodore F., Pawtucket, R. I., assignor to Seekouk Lace Company. Thread cutter. 1,752,611; Apr. 1.
- Naunton, William J. S. (See Cronshaw, C. J. T., and Naunton.)
- Nava, Vincenzo. (See Alessi, Frank, assignor.)
- Navone, John O., Emeryville, Calif. Machine for forming briquettes. 1,769,383; July 1.
- Navratil, Vaclav, Berwyn, Ill. Bending device. 1,757,779; May 6.
- Nawiasky, Paul. (See Kalischer, G., Scheyer, Nawiasky, and Krauch.)
- Nawiasky, Paul. (See Luettringhaus, A., Nawiasky, and Ehrhardt.)
- Nawiasky, Paul. (See Lüttringhaus, A., Nawiasky, and Krause.)
- Nawiasky, Paul, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Acyl-amino-dibenzanthrones and products resulting therefrom by treatment with alkylating agents. 1,759,272; May 20.
- Nawiasky, Paul, and A. Krause, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of dyestuffs. 1,759,273; May 20.
- Nawiasky, Paul, and A. Krause, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New vat dyestuffs. 1,780,836; Nov. 4.
- Nawiasky, Paul, and A. Krause, Ludwigshafen-on-the-Rhine, and A. Holl, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Alkylation products of pyrazolan thrones. 1,766,719; June 24.
- Nawiasky, Paul, Ludwigshafen-on-the-Rhine, and J. Müller, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of new vat dyestuffs. 1,742,317; Jan. 7.
- Naylor, Henry R., assignor to The H. A. Matthews Manufacturing Company, Seymour, Conn. Phonograph bezel. 1,786,445; Dec. 30.
- Naylor, Joe O. (See Brittingham, Vertner D., assignor.)
- Naylor Radio Corporation. (See Sears, Sterling G., assignor.)
- Naylor, Thomas Edmonton, Alberta, Canada. Signaling device for vehicles. 1,778,908; Oct. 21.
- Naylor, Walter E., assignor to The Beardsley & Piper Company, Chicago, Ill. Apparatus for handling sand in foundries. 1,759,625; May 20.
- Naylor, Walter E., assignor to The Beardsley & Piper Company, Chicago, Ill. Sand cutter. 1,761,224; June 3.
- Naylor, Walter E., assignor to The Beardsley & Piper Company, Chicago, Ill. Machine for handling molding sand. 1,771,966; July 29.
- Nead, John H., R. L. Kenyon, and C. W. Rust, assignors to The American Rolling Mill Company, Middletown, Ohio. Machine for testing the bending strength of metal strips. 1,745,634; Feb. 4.
- Nead, John H., E. R. Wehr, and C. C. Mahlie, assignors to The American Rolling Mill Company, Middletown, Ohio. Soldering process. 1,743,615; Jan. 14.
- Neafie, Andrew J., Mountain Lakes, assignor to Ingersoll-Rand Company, Jersey City, N. J. Fastener-holding device. 1,749,439; Mar. 4.
- Neagus, Melvin E., New Bedford, Mass. Time-controlled means for operating electric lights. 1,769,804; July 1.
- Neal, Daniel, assignor to J. Whitehead, Otley, England. Device for removing the valves from internal-combustion engines. 1,753,245; Apr. 8.
- Neal, Ernest C., Coquille, Oreg. Rail joint. 1,777,574; Oct. 7.
- Neal, Franklin G. (See Welcker, Rudolph, assignor.)
- Neal, Harry W., assignor to Hall-Neal Furnace Company, Indianapolis, Ind. Furnace-grate-bar construction. 1,756,697; Apr. 29.
- Neal, Harry W., assignor to Hall-Neal Furnace Company, Indianapolis, Ind. Furnace drum. 1,768,964; July 1.
- Neal, James B., assignor to Norton Laboratories, Inc., Lockport, N. Y. Salt and pepper shaker. 1,779,614; Oct. 28.
- Neal, James L. (See Wagner, Henry H. and C. L., assignors.)
- Neal, John J. (See Bieretz, E. D., and Neal.)
- Neal, Malcolm A., assignor to Aerial Advertising Company, Inc., San Francisco, Calif. Aerial sign. 1,774,659; Sept. 2.
- Neal, Robert A., Cape Girardeau, Mo. Garment. 1,775,825; Sept. 16.
- Neal, Vincent L. (See Alseth, S., and Neal.)
- Neal, Walter S., Grangeville, Idaho. Tree-felling-saw guide and rest. 1,771,137; July 22.
- Neale, Fred, assignor, by mesne assignments, to The Christensen Air Brake Company, Cleveland, Ohio. Motor cylinder. 1,761,309; June 3.
- Neaman, Harry L., et al. (See Palmer, John V., assignor.)
- Nearing, Dudley W., New Britain, assignor to The New Departure Manufacturing Company, Bristol, Conn. Measuring rule. 1,754,903; Apr. 15.
- Neas, Leo, Tomah, Wis. Starting device for tractor engines. 1,749,645; Mar. 4.
- Nease, Roy A., et al. (See Childs, John S., assignor.)
- Nebel, Ernst O., Philadelphia, Pa. Stocking. Des. 82,275; Oct. 14.
- Nebel, Ernst O., Philadelphia, Pa. Flat-knitting machine. 1,770,859; July 15.
- Nebhut, Frederick W., deceased, Cleveland, Ohio; M. F. Nebhut, administratrix. Fastener for fabrics. 1,773,747; Aug. 26.
- Nebhut, M. Frances, administratrix. (See Nebhut, Frederick W.)
- Neblett Engineering Company, The. (See Sykes, Wilfred, assignor.)
- Nedesky, Stephen M., Duluth, Minn. Doorcheck bracket. Des. 80,285; Jan. 7.
- Nee, Daniel J., San Francisco, Calif., assignor of one-third to J. P. Callahan and one-third to W. F. Pringle. Cigarette extinguisher. 1,767,092; June 24.
- Neebe, Lawrence L., Woodbury, N. J. Support for locomotive air pumps, etc. Re17,652; Apr. 29.
- Needelman, Adolf. (See Weiss, H., and Needelman.)
- Neef, Robert, assignor to General Motors Corporation, Detroit, Mich. Transmission lock and interlock. 1,780,762; Nov. 4.
- Neel, Robert W. (See Nelson, A. J., and Neel.)
- Neeley, Elbert E. (See Wrenn, W. C., and Neeley.)
- Neeley, George S., Hartford, assignor of one-half to G. Watkins, Alton, Ill. Scale removing and preventing apparatus. 1,773,274; Aug. 19.
- Neeley, George S., Hartford, assignor of one-half to G. Watkins, Alton, Ill. Means and apparatus for removing and preventing scale incrustations. 1,773,275; Aug. 19.
- Neelmeier, Wilhelm. (See Bauer, Neelmeier, and Nocken.)
- Neelmeier, Wilhelm. (See Schweitzer, H., and Neelmeier.)
- Neelmeier, Wilhelm, Leverkusen, and W. Hentrich, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs derived from amino-acylamino-salicyl-diphenylsulphones. 1,749,836; Mar. 11.
- Neelmeier, Wilhelm, Leverkusen, near Cologne-on-the-Rhine, and T. Nocken, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the indigoid series. 1,760,769; May 27.
- Neelmeier, Wilhelm, Leverkusen, and T. Nocken, Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 3-arylamino-1-8-naphthosultam compound and making the same. 1,777,931; Oct. 7.
- Neely, Adam L., et al. (See Etchison, Lewis A., assignor.)
- Neely, Charles W., and R. F. Leefeld, Long Beach, Calif. Pipe-lining machine. 1,747,678; Feb. 18.
- Neely, Frank R. (See Kleinsmith, H. B., Neely, and Doll.)
- Neely, Herbert G., assignor of one-half to W. H. Forse, Jr., Anderson, Ind. Sound-producing device. 1,746,959; Feb. 11.
- Neely, James F. (See Payne, Glade W., assignor.)
- Neely, Rant Y., Willamina, Oreg. Lumber jack. 1,766,400; June 24.
- Neely, Richard A. (See Etchison, L. A., and Neely.)
- Neely, William H., assignor to Graham Brothers, Evansville, Ind. Latch mechanism. 1,746,273; Feb. 11.
- Neer, Harry L., assignor to C. N. Van Cleave, Indianapolis, Ind. Coin-controlled lock. 1,772,959; Aug. 12.
- Nees, Alpheus R. (See Shafer, R. W., Nees, and Brown.)
- Nees, William, Drexel Hill, Pa. Die for forming throat sheets for boilers. 1,747,127; Feb. 11.
- Neet, Incorporated. (See Lawrv. Rolla C., assignor.)
- Neff, George W., assignor of one-tenth to J. W. Sterling, Greenville, Miss. Direction indicator. 1,745,948; Feb. 4.
- Neft, Isidore E., Los Angeles, Calif. Phonograph record. 1,751,166; Mar. 18.
- Negbaur, Harry, New York, N. Y., assignor to Wm. Demuth & Co. Bill clip. Des. 81,396; June 17.
- Negbaur, Harry, New York, N. Y., assignor to Wm. Demuth & Co. Bill clip. Des. 81,660; July 22.

- Negley, Joseph. (See Linn, F. F., and Negles.)
 Negley, Charles E., Los Angeles, Calif. Valve lifter. 1,781,187; Nov. 11.
 Negley, Frank H., South Bend, Ind., assignor to Wilson Brothers, Chicago, Ill. Underwear or athletic pants. 1,784,744; Dec. 9.
 Negro, Luigi, Bucharest, Rumania. Nozzle. 1,779,009; Oct. 21.
 Neider, F. A. Company, The. (See Lane, Richard D., assignor.)
 Neidhammer, Clyde, Lemoyne, assignor of one-half to D. A. Grissinger, Lemoyne, Pa. Suspending hook. 1,781,072; Nov. 11.
 Neidich, George G., Nutley, assignor to Neidich Process Company, Burlington, N. J. Carbon-sheet carton. 1,769,595; July 1.
 Neidich, George G., Nutley, assignor to Neidich Process Company, Burlington, N. J. Carbon-sheet carton. 1,769,596; July 1.
 Neidich Process Company. (See Neidich, George G., assignor.)
 Neidich Process Company. (See Neidich, Samuel A., assignor.)
 Neidich, Samuel A. (See Mendel, William, assignor.)
 Neidich, Samuel A., Edgewater Park, N. J. Making tubes of celluloid and the like. 1,761,403; June 3.
 Neidich, Samuel A., Edgewater Park, assignor to Neidich Process Company, Burlington, N. J. Impression-transferring device. 1,769,597; July 1.
 Neidich, Samuel A., Edgewater Park, N. J. Tube and forming the same. 1,769,598; July 1.
 Neidich, Samuel A., Edgewater Park, N. J. Etching celluloid and the like. 1,769,599; July 1.
 Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Portable grain elevator. 1,750,855; Mar. 18.
 Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Windlass. 1,759,062; May 20.
 Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Manure spreader. 1,765,993; June 24.
 Neighbour, Leonard B. and F. A. Thomann, East Moline, assignors to Deere & Company, Moline, Ill. Method of and apparatus for handling beets. 1,787,161; Dec. 30.
 Neighbour, Wilbur S., Hackettstown, N. J. Saw guard. 1,774,521; Sept. 2.
 Neikirk, E. D. (See Kuhlman, Henry J., assignor.)
 Neikirk, Samuel B., Troy, Mo. Sand-blast nozzle. 1,757,207; May 6.
 Neil, Daniel W., Jr., and A. B. Caskey, Ponca City, Okla. Vehicle window shade or awning. 1,760,250; May 27.
 Neil, James B., Knoxville, Tenn. Needle-locking device for syringes. 1,757,680; May 6.
 Neilan, Schumacher & Co. (See Ready, Virgil E., assignor.)
 Neiley, Charles F., Port Washington, assignor to American Cigar Company, New York, N. Y. Display device. 1,771,967; July 29.
 Neilsen, Lars C., Bradley, Ill. Weather strip. 1,751,526; Mar. 25.
 Neilson, Albert H. (See Brown, Harry E., assignor.)
 Neilson, Albert H., Tulsa, Okla. Sucker-rod socket. 1,761,840; June 3.
 Neilson, James R., Toledo, Ohio, assignor of one-half to E. M. Morley, Delta, Ohio. Treating-material dispersion. 1,781,188; Nov. 11.
 Neilson, Karl P., Long Beach, Calif. Oil-well flow device. 1,757,329; May 6.
 Neilson, Mary D., Minneapolis, Minn. Making garments for women and children. Re17,903; Dec. 16.
 Neilson, Mary D., Minneapolis, Minn. Undergarment for women. 1,781,929; Nov. 18.
 Neilson, Thomas, Glasgow, Scotland. Air-directing device. 1,754,961; Apr. 15.
 Nein, Harry R., Westfield, N. J., assignor to American Telephone and Telegraph Company. Concentric conducting system. 1,781,124; Nov. 11.
 Nein, William C. (See Varley, T. W., and Nein.)
 Nein, William C., Sweickley, Pa., assignor to General Railway Signal Company, Rochester, N. Y. Train control and signaling device. 1,748,919; Feb. 25.
 Nein, William C., and T. W. Varley, New York, N. Y., assignors to P. P. Hornl, Newark, N. J. Self-starting synchronous motor. 1,776,520; Sept. 23.
 Neinfeldt, Emil, St. Paul, Minn. Radioaerial. 1,753,213; Apr. 8.
 Neiser, Joseph, London, Ohio. Screw. 1,749,043; Mar. 4.
 Neish, M. E. (See Garside, John B., assignor.)
 Neitzel, Conrad T., Dallas, Tex., assignor, by mesne assignments, to H. Oliver, Little Rock, Ark. Bottle container. 1,752,502; Apr. 1.
 Neitzke, Walter J., Rhinelander, Wis. Display rack. 1,747,642; Feb. 18.
 Neklutin, Constantine N., Ferguson, assignor to The Universal Match Corporation, St. Louis, Mo. Strip machine. 1,762,344; June 10.
 Neldner, Edward E., Milwaukee, Wis. Internal-combustion engine. 1,774,105; Aug. 26.
 Neldner, Stephen W., Milwaukee, Wis. Rack support. 1,777,529; Oct. 7.
 Nellis, Joseph J., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Superheater boiler. 1,764,050; June 17.
 Nell, Gustave M. (See Bayliff, F., and Nell.)
 Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Mount for percussive drills. 1,751,287; Mar. 18.
 Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Steel puller. 1,760,276; May 27.
 Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid-pressure tool. 1,760,277; May 27.
 Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Drill-steel centralizer. 1,768,994; July 1.
 Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid-pressure motor. 1,769,034; July 1.
 Nell, Orville, Bridgeport, Ill. Switch operating and locking means. 1,770,421; July 15.
 Neller, Albert H. (See Louden, W., and Neller.)
 Neller, Albert H. (See Marsh, C. A., Strahan, and Neller.)
 Neller, Walter A., Alexandria, Minn. Piston-boss reamer. 1,751,708; Mar. 25.
 Nel-Mar Mfg. Co. (See Marghitan, Samuel, assignor.)
 Nelsen, Hans A. (See Powers, John E., assignor.)
 Nelsen, John N. (See Parr, H. L., and Nelsen.)
 Nelson, Adolph, Hugo, Colo. Automatic lubricating valve. 1,748,424; Feb. 25.
 Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Clamp. 1,755,454; Apr. 22.
 Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,766,449; June 24.
 Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,771,859; July 29.
 Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,774,106; Aug. 26.
 Nelson, Albert, Decorah, Iowa. Snowplow. 1,770,545; July 15.
 Nelson, Albert, Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. 1,768,921; July 1.
 Nelson, Albin J., Brooklyn, N. Y. Temperature regulator. 1,752,390; Apr. 1.
 Nelson, Albin J., Brooklyn, N. Y., and R. W. Neel, Duluth, Ga., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. Drying or heating. 1,744,492; Jan. 21.
 Nelson, Alfred C., Lakewood, Ohio. Flue structure for regenerative stoves. 1,771,306; July 22.
 Nelson, Arthur. (See Klim, A. H., Johnson, Nelson, Bellin, and Lundsten.)
 Nelson, Arthur F., Harrisburg, Pa. Change maker. 1,787,085; Dec. 30.
 Nelson, Arthur W., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,754,761; Apr. 15.
 Nelson, Axel, Bristol, Pa. Parachute opener. 1,774,811; Sept. 2.
 Nelson, Bert J. (See Coles, W. H., and Nelson.)
 Nelson, Bert J., assignor to White Showers, Inc., Detroit, Mich. Automatic turning device for sprinkling systems. 1,755,455; Apr. 22.
 Nelson Bros. Mfg. Co. (See Nelson, Charles W. and R. L., assignors.)
 Nelson, Carl, assignor to Northwestern Steel & Iron Works, Eau Claire, Wis. Can-sealing machine. 1,744,661; Jan. 21.
 Nelson, Carl, assignor to National Pressure Cooker Company, Eau Claire, Wis. Can-sealing machine. 1,777,761; Oct. 7.
 Nelson, Carl P., Firth, Idaho. Door lock. 1,754,396; Apr. 15.
 Nelson, Charles E., Los Angeles, Calif. Mechanical movement. 1,766,798; June 24.
 Nelson, Charles G., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Sash construction. Re17,706; June 17.
 Nelson, Charles G., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Sash construction. 1,754,759; Apr. 15.
 Nelson, Charles G., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Corner-bar construction for store fronts and the like. 1,754,760; Apr. 15.
 Nelson, Charles G., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Adjustable frame setting. 1,754,762; Apr. 15.
 Nelson, Charles S., Brooklyn, N. Y., assignor to C. Loring, Boston, Mass. Floor mop. 1,774,209; Aug. 26.
 Nelson, Charles W. and R. L., assignors to Nelson Bros. Mfg. Co., Inc., Sioux City, Iowa. Oil heater. 1,751,857; Mar. 25.
 Nelson, Charles W. and R. L., assignors to Nelson Bros. Mfg. Co., Inc., Sioux City, Iowa. Oil heater. 1,751,858; Mar. 25.
 Nelson, Charles W. and R. L., Sioux City, Iowa, assignors to Nelson Bros. Mfg. Co., Inc. Oil heater for crank case. 1,751,859; Mar. 25.
 Nelson, Crescent F., New Dorp, assignor to The Western Union Telegraph Company, New York, N. Y. Multi-channel telegraph cable system. 1,755,485; Apr. 22.
 Nelson, Daniel, Oak Park, assignor to Marshall Field & Company, Chicago, Ill. Staple and hasp construction. 1,749,983; Mar. 11.
 Nelson, Earl A., Minneapolis, and C. E. Larson, St. Louis Park, Minn. Dental investment mixer. 1,751,097; Mar. 18.

- Nelson, Earl A., Minneapolis, and C. E. Larson, St. Louis Park, Minn. Combined dental lathe and vibrator. 1,784,307; Dec. 9.
- Nelson, Egery, Vineland, N. J. Safety transmission lock. 1,743,976; Jan. 14.
- Nelson, Emil A., Detroit, Mich. Wheel. 1,744,915; Jan. 28.
- Nelson, Emil A., Detroit, Mich. Steering-gear construction. 1,748,615; Feb. 25.
- Nelson, Emil A., Detroit, Mich. Brake-drum construction. 1,750,682; Mar. 18.
- Nelson, Emil A., Detroit, Mich. Rim wrench for wheels. 1,772,192; Aug. 5.
- Nelson, Emil A., Detroit, Mich. Transmission. 1,775,944; Sept. 16.
- Nelson, Emil W., Minneapolis, Minn. Wire stretcher and splicer. 1,777,762; Oct. 7.
- Nelson, Frederick L., Alta, Iowa. Shingle gauge. 1,750,854; Mar. 18.
- Nelson, Gordon W., and A. F. Ceres, jr., Philadelphia, Pa. Lip-stick holder. 1,782,365; Nov. 18.
- Nelson, Gustave C., assignor to Moline Foundry & Machine Company, Moline, Ill. Automatic machine for making metal plugs for barrels. 1,778,956; Oct. 21.
- Nelson, Guy E., Minneapolis, Minn. Hosiery. Des. 80,579; Feb. 25.
- Nelson, Hans A., Exira, Iowa. Fence post. 1,776,636; Sept. 23.
- Nelson, Harry J., Elizabeth, N. J. Railway rolling stock. 1,768,527; June 24.
- Nelson, Harry T., Dallas, Tex. Helicopter. 1,786,576; Dec. 30.
- Nelson, Heber S., assignor of one-fourth to R. M. Stewart, Salt Lake City, Utah. Phonograph reproducer. Re17,796; Sept. 9.
- Nelson, Herman, Corporation. (See Armstrong, John A., assignor.)
- Nelson, Herman, Corporation, The. (See Otis, Gerald E., assignor.)
- Nelson, Herman, Corporation, The. (See Shurtleff, Wilfred, assignor.)
- Nelson, Howard O., and R. J. La Belle, Minneapolis, Minn. Tile block. Des. 82,106; Sept. 23.
- Nelson, Ira I., Boston, Mass. Fusible-plug holder. 1,768,778; July 1.
- Nelson, Jabez C., and P. E. Geldhof, assignors to Syracuse Washing Machine Corporation, Syracuse, N. Y. Lid lock for centrifugal clothes driers. 1,770,596; July 15.
- Nelson, James M. (See Smith, A. W., and Nelson.)
- Nelson, John, Ericson, Nebr. Automatic transmission mechanism. 1,767,939; June 24.
- Nelson, John, assignor to Automatic Washer Company, Newton, Iowa. Wringer head for washing machines. 1,753,528; Apr. 8.
- Nelson, John, and L. C. Gadbois, Minneapolis, Minn., assignors to Butler Manufacturing Company, Kansas City, Mo. Gasoline-dispensing device. 1,776,226; Sept. 16.
- Nelson, John A., assignor to Barber-Colman Company, Rockford, Ill. Alloy steel. 1,778,226; Oct. 14.
- Nelson, John C., Los Angeles, Calif. assignor to Nelson Spreader-Tie Company, Minneapolis, Minn. Combination tie and spreader for concrete molds. Re17,733; July 15.
- Nelson, John H., Chicago, Ill., assignor to H. A. Douglass, Bronson, Mich. Electric snap switch. 1,762,787; June 10.
- Nelson, John N., Cranston, assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. Des. 81,397; June 17.
- Nelson, John N., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,743,796; Jan. 14.
- Nelson, John N., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,745,227; Jan. 28.
- Nelson, John N., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,750,963; Mar. 18.
- Nelson, John N., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,767,807; June 24.
- Nelson & Kuemmerling, Inc. (See Rose, Almond P., assignor.)
- Nelson-Le Moon Truck Company. (See Le Moon, Axel R., assignor.)
- Nelson, Leigh G., assignor to Fiber-Glass Food Cover Co., Chicago, Ill. Transparent display ring. 1,761,271; June 3.
- Nelson, Leo, Brooklyn, N. Y. Buckle. Des. 80,660; Mar. 4.
- Nelson, Lewen R., Peoria, Ill. Sprinkler. 1,763,979; June 17.
- Nelson, Lewen R., Peoria, Ill. Sprinkler. 1,763,980; June 17.
- Nelson, Lloyd F., Seattle, Wash. Collar and necktie cabinet. 1,759,202; May 20.
- Nelson, Martin L., Park Ridge, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Multioffice telephone system. Re17,632; Apr. 1.
- Nelson, Martin L., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Remote control system. 1,765,538; June 24.
- Nelson, Max C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Valve for acid tanks. 1,763,593; June 10.
- Nelson, Max C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tensioning device for fabrics. 1,763,594; June 10.
- Nelson, Meynardie, deceased, Littleton, N. C., S. J. Nelson, administratrix. Vertical paper cutter. 1,779,778; Oct. 28.
- Nelson, Oliver J., and F. G. Baender, assignors, by mesne assignments, to F. G. Baender, trustee, Parsons, Kans. Changeable sign. 1,785,204; Dec. 16.
- Nelson, N. P., Iron Works, Inc. (See Nelson, N. P., and James, assignors.)
- Nelson, Nels H., Des Moines, Iowa. Window-awning construction. 1,764,881; June 17.
- Nelson, Nels H., assignor to Rolscreen Company, Des Moines, Iowa. Guide track for rolling window screens. 1,764,880; June 17.
- Nelson, Nels P., and F. W. James, Brooklyn, N. Y., assignors to N. P. Nelson Iron Works Inc., Passaic, N. J. Tractor attachment for feeding and elevating snow. 1,764,084; June 17.
- Nelson, Nels S., Pontiac, Mich., assignor, by mesne assignments, to Safety Tire Pop-Valve Company. Tire pop valve. 1,772,107; Aug. 5.
- Nelson, Nels S., Pontiac, assignor of one-half to G. Peterson, Detroit, Mich. Battery-condition indicator. 1,779,946; Oct. 28.
- Nelson, Nels T., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Clasp. 1,749,440; Mar. 4.
- Nelson, Nicholas R., East Moline, assignor to Deere & Company, Moline, Ill. Harvester binder. 1,754,962; Apr. 15.
- Nelson, Otto, Chicago, Ill., assignor to Time Saver Mfg. Company. Tap and die stock. 1,771,811; July 29.
- Nelson, Otto S., Mitchell, assignor to Face-A-Lite Manufacturing Company, Mitchell, S. Dak. Glare-shield holder. 1,780,400; Nov. 4.
- Nelson, Otto S., and W. M. Willy, Mitchell, S. Dak., assignors to Handy-Haul Auto Trunk Company, Minneapolis, Minn. Combined trunk and luggage carrier. 1,771,650; July 29.
- Nelson, Paul A., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Drill sharpener. 1,749,957; Mar. 11.
- Nelson, Paul A., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Swaging apparatus. 1,771,548; July 29.
- Nelson, Reynold G., Pontiac, Mich. Making wheels. 1,774,660; Sept. 2.
- Nelson, Reynold G., assignor to The Spun Steel Corporation, Canton, Ohio. Making V pulleys and the like. 1,742,484; Jan. 7.
- Nelson, Reynold G., assignor of one-half to The Spun Steel Corporation, Canton, Ohio. Spun-metal manufacture. 1,775,732; Sept. 16.
- Nelson, Robert O., deceased, Portland, Oreg., by The Automatic Signal Corporation, New Haven, Conn., assignee. Variable traffic signal. Re17,602; Feb. 18.
- Nelson, Sam O., Minneapolis, Minn. Piston. 1,773,372; Aug. 19.
- Nelson, Samuel, Maplewood, N. J. Fender-straightening tool. 1,775,968; Sept. 16.
- Nelson, Samuel A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for weft-replenishing looms. 1,766,761; June 24.
- Nelson, Samuel A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-carrier magazine. 1,766,830; June 24.
- Nelson, Samuel A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing mechanism for picks and pick looms. 1,766,831; June 24.
- Nelson, Samuel A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder and tensioner for weft-replenishing looms. 1,766,832; June 24.
- Nelson, Simon, Duluth, Minn. Match-manufacturing machine. 1,780,359; Nov. 4.
- Nelson Spreader-Tie Company. (See Nelson, John C., assignor.)
- Nelson, Sue J., administratrix. (See Nelson, Meynardie.)
- Nelson, Sven T., Michigan City, Ind., assignor to Sullivan Machinery Company. System and apparatus for making cutter bits. 1,774,993; Sept. 2.
- Nelson, Tom H., Villa Nova, Pa. Method and apparatus for manufacture of seamless metallic tubes. 1,773,748; Aug. 26.
- Nelson, William A., Minneapolis, Minn. Vibration damper. 1,778,641; Oct. 14.
- Nelson, William K., Chicago, Ill. Heat and sound insulating cast product and making same. 1,773,841; Aug. 26.
- Nelson, William K., assignor to Insulex Corporation, Chicago, Ill. Composition construction or heat-insulating material. 1,748,614; Feb. 25.
- Nelson, William W., Brookline, Mass. Top for guitars and similar stringed instruments. 1,762,408; June 10.
- Nemcovsky, Louis A., assignor to Sun Typewriter Company, New York, N. Y. Typewriting machine. 1,761,404; June 3.
- Nemcovsky, Louis A., assignor to Sun Typewriter Company, New York, N. Y. Typewriting machine. 1,761,405; June 3.
- Nemethy, Frank J., jr., San Francisco, Calif., assignor to The Evans Autoloading Co., Inc., Detroit, Mich. Automobile shipping device. Re17,758; July 29.
- Nemetz, Gustav, assignor to the firm Alex. Friedmann, Vienna, Austria. Pump. 1,744,791; Jan. 28.

- Nemoede, Paul A., assignor, by mesne assignments, to Container Corporation of America, Chicago, Ill. Shipping and display box. 1,776,923; Sept. 30.
- Nendorf, Henry, and A. W. Cole, assignors to Rex Paper Company, Kalamazoo, Mich. Paper-coating machine. 1,746,551; Feb. 11.
- Nenninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Machine-tool control. 1,747,903; Feb. 18.
- Nenninger, Lester F., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine. 1,761,841; June 3.
- Nenzel, Frederick C., Pittsburgh, Pa. Fluid-pressure brake. 1,764,741; June 17.
- Neon, Claude, Lights, Inc. (See Smalley, Robert C., assignor.)
- Ne Page, Justus F., Seattle, Wash. Centrifugal molding device. 1,777,763; Oct. 7.
- Neptune Meter Company. (See Marden, William L., assignor.)
- Nerad, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Mercury boiler. 1,759,133; May 20.
- Neresheimer, Heinrich, and W. Schneider, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs. 1,749,501; Mar. 4.
- Nerney, George E., Attleboro, Mass. Eyeglass construction. 1,747,904; Feb. 18.
- Nerney, George E., and W. H. Siddall, assignors to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,759,863; May 27.
- Nero, Arvid H., West Hartford, assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric-lamp socket. 1,743,929; Jan. 14.
- Nero, Arvid H., West Hartford, assignor by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Molded cap and shell casing. 1,773,690; Aug. 19.
- Nero, Arvid H., West Hartford, assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric-lamp socket. 1,778,684; Oct. 14.
- Nerre, Adolf, Basel, Switzerland. Metal container with lid for semifluid and thick substances. 1,755,017; Apr. 15.
- Nerrlich, Richard, Berlin, Germany. Objective shutter. 1,785,142; Dec. 16.
- Nesbitt, Arthur E. (See Buckley, J. P., and Nesbitt.)
- Nesbitt, George W., Sycamore, Ill. Nesting device. 1,765,994; June 24.
- Nesbitt, James W., Grosse Pointe Park, Mich. Burnishing machine. 1,749,982; Mar. 11.
- Nesmith, Ralph H., Grosse Pointe Park, Mich., assignor to Morgan and Wright, Detroit, Mich. Tire. Des. 81,592; July 15.
- Ness, Harold J., and C. H. Roth, Jersey City, N. J., assignors to The New Departure Manufacturing Company, Bristol, Conn. Making roller-bearing cages. 1,781,241; Nov. 11.
- Ness, William H. C., assignor to Master Fan Corporation, Los Angeles, Calif. Fan blade. 1,777,013; Sept. 30.
- Nessell, Clarence W., Forest Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Signaling system. 1,781,519; Nov. 11.
- Nessell, Clarence W., Forest Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Signaling system. 1,781,520; Nov. 11.
- Nester, Edward. (See Schneider, J. J., and Nester.)
- Nestle, Fred A. (See Boehme, A. E., and Nestle.)
- Netschert, Franz, assignor to The Technical Glass Company, Incorporated, Los Angeles, Calif. Combined knob and latch. 1,750,812; Mar. 18.
- Nettle, Thomas B., and J. W. Klein, Huntington Park, Calif. Sanitary milk cabinet. 1,751,749; Mar. 25.
- Nettles, Isaac, Detroit, Mich. Velocipede. 1,763,250; June 10.
- Nettleton, Lewis L., Pittsburgh, and H. O. Holte, Wilkesburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic apparatus. 1,742,367; Jan. 7.
- Nettleton, Lewis L., Edgewood Borough, assignor, to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,772,781; Aug. 12.
- Neuberger, Franklin H., Endicott, assignor of one-tenth to E. J. Brand, Jeffersonville, N. Y. Clothesline fastener. 1,753,901; Apr. 8.
- Neuberger, Franklin H., Endicott, N. Y., assignor of one-tenth to E. J. Brand, Jeffersonville, N. Y. Clothesline fastener. 1,782,625; Nov. 25.
- Neubert, Alex, Wickatunk, N. J. Egg separator. 1,744,665; Jan. 21.
- Neubert, August, assignor to Nollische Werke Kommandit Gesellschaft, Weissenfels-on-Saale, Germany. Pulling-over machine. 1,745,440; Feb. 4.
- Neubert, August, assignor to the firm of Nollische Werke Kommandit Gesellschaft, Weissenfels-on-the-Saale, Germany. Pulling-over machine. 1,750,421; Mar. 11.
- Neubert, Hans, Annaberg, Germany, assignor to General Electric Company. Electrical connector. 1,746,161; Feb. 4.
- Neuberth, Franklin G., assignor to The S. O. and C. Company, Ansonia, Conn. Eyelet. 1,756,256; Apr. 29.
- Neuberth, Franklin G., assignor to The S. O. and C. Company, Ansonia, Conn. Manufacturing fasteners. 1,756,257; Apr. 29.
- Neuendorf, Edward C., Wyandotte, Mich. Bulletproof guard cage. 1,744,279; Jan. 21.
- Neuenfelt, Mary C., Detroit, Mich. Bearing box and lining therefor. 1,756,095; Apr. 29.
- Neuerburg'sche Verwaltungsgesellschaft m. b. H., Messrs. (See Schünemann, Heinrich, assignor.)
- Neufeldt & Kuhnke Betriebsgesellschaft m. b. H. (See Chappuzeau, H., and Emersleben, assignors.)
- Neuhaus, Ralph. (See Fletcher, H. W., and Neuhaus.)
- Electric Company. Electrical connector. 1,760,515; May 27.
- Neukam, John, Hawthorne, N. Y. Hot-water heating arrangement. 1,775,208; Sept. 9.
- Neuland, Alfons H., assignor to Electro-Mobile Corporation, Irvington, N. J. Power-control system. 1,773,384; Aug. 26.
- Neuland, Alfons H., assignor to Electro-Mobile Corporation, Irvington, N. J. Automatic power transmission. 1,773,843; Aug. 26.
- Neuland, Alfons H., assignor to Electro-Mobile Corporation, Irvington, N. J. Electric system for vehicles. 1,773,844; Aug. 26.
- Neuland, Alfons H., assignor to Electro-Mobile Corporation, Irvington, N. J. Electric system for vehicles. 1,773,845; Aug. 26.
- Neuland, Alfons H., assignor to Electro-Mobile Corporation, Irvington, N. J. Automatic power transmission. 1,784,308; Dec. 9.
- Neuland, Alfons H., assignor to Electric-Mobile Corporation, Irvington, N. J. Power-transmission device. 1,784,309; Dec. 9.
- Neuman, Charles F., Tigerton, Wis. Chimney cleaner. 1,775,969; Sept. 16.
- Neuman, Nathan, Philadelphia, Pa. Collapsible box. 1,743,681; Jan. 14.
- Neuman, Sigismund. (See Müller, Adolf, assignor.)
- Neumann, Albert, Coswig, Germany. Stop-cylinder printing machine with sheet delivery at the front. 1,748,894; Feb. 25.
- Neumann, Friedrich, Berlin-Pankow, Germany, assignor to Pyrene-Minimax Corporation. Fire-extinguishing device for tanks and other receptacles containing inflammable liquids. 1,770,623; July 15.
- Neumann, Frederick. (See Hogg, W. J., and Neumann.)
- Neumann, Hans. (See Fetkenbeuer, E., and Neumann.)
- Neumann, Herman, assignor of one-half to F. F. Flanner and one-half to P. D. Flanner, Blackwell, Wis. Manufacture of lumber. 1,778,333; Oct. 14.
- Neumann, John, Chicago, Ill. Paper making. 1,775,405; Sept. 9.
- Neumann, John, Chicago, Ill. Manufacture of pulp. 1,778,199; Oct. 14.
- Neumann, Paul A., Chicago, Ill. Centrifugal amalgamator and separator. 1,767,893; June 24.
- Neumann, Paul A., Chicago, Ill. Centrifugal mercury trap. 1,746,789; Feb. 11.
- Neumann, Paul, Berlin-Schöneberg, assignor to Telephon-Apparat Fabrik E. Zwietsch and Company, Charlottenburg, Berlin, Germany. Dipping solution for electric condensers. 1,775,136; Sept. 9.
- Neumann, R., Hardware Co., The. (See Stuart, Frank T., assignor.)
- Neumann, Theodore L., assignor to The Dayton Paper Novelty Company, Dayton, Ohio. Display carton. 1,759,203; May 20.
- Neumann, Werner, Reppen, Germany. Continuous purification of water. 1,770,580; July 15.
- Neumann, William R. (See Lampert, David, assignor.)
- Neumark, Hans. (See von Girssewald, C. F., and Neumark.)
- Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Head lamp. Des. 81,145; May 13.
- Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Multiple punching machine. 1,769,303; July 1.
- Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp construction. 1,771,415; July 29.
- Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp construction. 1,772,427; Aug. 5.
- Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp-bulb kit. 1,779,634; Oct. 28.
- Neuschäfer, Frederick, Jersey City, N. J., and H. Botwin, Brooklyn, N. Y. Carbonating machine. 1,782,511; Nov. 25.
- Neustatter, Isidor, Tucson, Ariz. Aeroplane. 1,754,397; Apr. 15.
- Neustetter, Walter J., North Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Motor-control system. 1,759,204; May 20.
- Neuwirth, Herman, Brooklyn, N. Y. Reflector for electric lamps. Des. 82,048; Sept. 16.
- Neuwirth, Herman, Brooklyn, N. Y. Goggles. 1,754,694; Apr. 15.
- Neuwirth, Herman, Brooklyn, N. Y. Barometer. 1,786,219; Dec. 23.
- Nevel, Elmer R., Lock Haven, Pa. Hot-air-furnace attachment. 1,755,790; Apr. 22.
- Neveling, Aloys, Chicago, Ill. Hydraulic dredging system. 1,759,490; May 20.
- Neville Chemical Company. (See Ostermayer, Robert W., assignor.)

- Neville, John H., Walville, Wash., assignor to American Crossarm & Conduit Company. Crossarm and pin. 1,744,662; Jan. 21.
- Nevills, John J., Sacramento, Calif. Treating fruits and vegetables. 1,753,902; Apr. 8.
- Nevins Church Press, The. (See Locke, Edwin A., jr., assignor.)
- Nevins, Michael J., Franklin, N. H. Knitting implement. 1,744,240; Jan. 21.
- New, Gustave A., assignor to American Gypsum Company, Port Clinton, Ohio. Cellular stucco mix and making the same. 1,745,635; Feb. 4.
- New, Gustave A., assignor to The American Gypsum Company, Port Clinton, Ohio. Cellular gypsum product. 1,770,797; July 15.
- New, Gustave A., assignor to American Gypsum Company, Port Clinton, Ohio. Machine for making plaster board. 1,772,494; Aug. 12.
- New, Gustave A., assignor to American Gypsum Company, Port Clinton, Ohio. Stucco mix and making the same. 1,787,162; Dec. 30.
- New, Gustave A., assignor to American Gypsum Company, Port Clinton, Ohio. Gypsum wall board. 1,787,163; Dec. 30.
- Newark Gear Cutting Machine Company. (See Eberhardt, Ulrich S., assignor.)
- Newbauer, Valentine, Los Angeles, Calif., assignor to Neubauer Vertical Airplane Co., Inc. Aeroplane. 1,743,378; Jan. 14.
- Newbauer Vertical Airplane Co. (See Newbauer, Valentine, assignor.)
- Newberry, William F., Montclair, N. J., assignor to F. W. Woolworth Co., New York, N. Y. Egg-beater bowl. Des. 80,804; Mar. 25.
- Newbery, George, Surrey, assignor to May & Baker Limited, London, England. Manufacture of aromatic arsenic compounds containing an isoxazine ring. 1,771,307; July 22.
- Newbery, John W., Rockville Center, N. Y. Liquid-fuel burner. 1,780,273; Nov. 4.
- Newbill, Carl V., The Dalles, Oreg. Bolt lock. 1,759,994; May 27.
- New Britain-Gridley Machine Company, The. (See Brown, Robert S., assignor.)
- New Britain Machine Company, The. (See Brown, Robert S., assignor.)
- New Britain Machine Company, The. (See Coates, J. H., Howe, and Costello, assignors.)
- Newbrough, Walter F., assignor of one-half to W. Lambie, Wilmington, Calif. Machine for forming screw propellers. 1,784,972; Dec. 16.
- New Castle Refractories Company. (See Morris, George D., assignor.)
- Newcomb, Cyrus B. (See Graf, Edward F., assignor.)
- Newcomb-David Company. (See Baumgarten, Hugo C., assignor.)
- Newcomb, Edward C., and D. G. Roos, assignors to The Studebaker Corporation, South Bend, Ind. Internal-combustion engine. 1,781,696; Nov. 18.
- Newcomb, Mattie M. (See Phipps, John T., assignor.)
- Newcombe-Hawley, Inc. (See Kyle, Colin, assignor.)
- Newcomer, Benjamin H., Charleston, W. Va. Rack. 1,751,878; Mar. 25.
- Newcomer, Ernest J. (See Gillis, Lyle N., assignor.)
- Newcomer, Ernest J., et al. (See Gillis, Lyle N., assignor.)
- Newcomer, Ernest J., Baltimore, Md. Floor-polishing machine. 1,768,137; June 24.
- New Departure Manufacturing Company, The. (See Delaval-Crow, Thomas C., assignor.)
- New Departure Manufacturing Company, The. (See Hughes, Frederick G., assignor.)
- New Departure Manufacturing Company, The. (See Nearing, Dudley W., assignor.)
- New Departure Manufacturing Company, The. (See Ness, H. J., and Roth, assignors.)
- New Departure Manufacturing Company, The. (See Pratt, William, assignor.)
- New Departure Manufacturing Company, The. (See Simmons, Charles B., assignor.)
- New Departure Manufacturing Company, The. (See Stevens, Clarence C., assignor.)
- New Departure Manufacturing Company, The. (See Vuilleumie, Albert, assignor.)
- New Departure Manufacturing Company, The. (See Weldon, Chichester P., assignor.)
- New Diamond Point Pen Co. (See Kolber, Morris, assignor.)
- New Diamond Polishing Tool Company. (See Loesser, Ernest, and E. W., assignors.)
- Newdick, Norton A. (See Jones, J. E., Newdick, and Moody.)
- Newdick, Norton A., assignor to The Coloder Company, Columbus, Ohio. Loading machine. 1,753,246; Apr. 8.
- Newdick, Norton A., Columbus, Ohio. Loading machine. 1,762,072; June 3.
- Newdick, Norton A., assignor to The Coloder Company, Columbus, Ohio. Loading machine. 1,762,071; June 3.
- Newell, Floyd B., Dayton, Ohio. Variable condenser. 1,745,949; Feb. 4.
- Newell, Fred, Montreal, Quebec, Canada. Water-regulating sluice gate. 1,750,901; Mar. 18.
- Newell, Gwendolan, San Francisco, Calif. Fishing gear. 1,754,567; Apr. 15.
- Newell, James S., assignor to National Lead Company, St. Louis, Mo. Machine for welding. 1,784,024; Dec. 9.
- Newell, Leland B., Springfield, Ill. Advertising device. 1,762,409; June 10.
- Newell, Phyne, St. Louis, Mo. Furniture. 1,747,480; Feb. 18.
- Newell, Robert E., Irwin, Pa. Water heater. 1,762,522; June 10.
- Newell, Robert E. Irwin, Pa. Thermostatic control apparatus. 1,780,093; Oct. 28.
- Newell, Robert E., Irwin, Pa. Heat-regulating apparatus. 1,780,094; Oct. 28.
- Newell Thompson Manufacturing Company, The. (See Reid, James S., assignor.)
- Newell, Wallace L. (See Hall, J. A., and Newell.)
- New England Box Company, The. (See Johnson, Edward T., assignor.)
- New England Box Company, The. (See Tufts, Nathan, assignor.)
- New England Butt Company. (See Haggerty, Charles, assignor.)
- New England Filter Corporation, The. (See Dardani, Martin E. E., assignor.)
- New England Structural Products Co. (See Symonds, Ralph F., assignor.)
- New England Trawler Equipment Co. (See Symonds, Ralph F., assignor.)
- New England Wood Heel Co. (See Shaw, Wesley J., assignor.)
- Newey, James G., and C. B. Jerred, Birmingham, England. Electroplating apparatus. 1,744,792; Jan. 28.
- Newhall Company, The. (See McWilliams, James B., assignor.)
- Newhall, Henry B. (See Pleister, H. W., and Karitzky, assignors.)
- Newhall, Henry B., Corporation. (See Giblin, Charles A., assignor.)
- Newhall, Henry B., Corporation. (See Karitzky, John, assignor.)
- Newhall, Henry B., Corporation. (See Newhall, H. B., Pleister, and Giblin, assignors.)
- Newhall, Henry B., Corporation. (See Pleister, Henry W., assignor.)
- Newhall, Henry B., Corporation. (See Pleister, H. W., and Karitzky, assignors.)
- Newhall, Henry B., H. W. Pleister, and C. A. Giblin, assignors to Henry B. Newhall Corporation, Garwood, N. J. Process and apparatus for treating galvanized articles. 1,773,495; Aug. 19.
- Newhard, Edmund P. (See Miller, J. A., and Newhard.)
- New Haven Clock Co., The. (See Franz, Frederick, assignor.)
- New Haven Clock Co., The. (See Porter, Wilson E., assignor.)
- New Haven Clock Company, The. (See Whitehead, Richard H., assignor.)
- New Haven Sand Blast Company, The. (See Parsons, Seely S., assignor.)
- New Haven Sand Blast Company, The. (See Sammis, Donald S., assignor.)
- Newhouse, Ray C., Wilmette, Ill. Cement manufacture. 1,786,080; Dec. 23.
- Newhouse, Ray C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Process of and apparatus for comminuting material. 1,748,920; Feb. 25.
- Newhouse, Ray C., Chicago, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pumping and lubricating apparatus. 1,761,579; June 3.
- Newhouser, Mary V., Andarko, Okla. Clothes car. 1,752,687; Apr. 1.
- New Idea Spreader Company, The. (See Oppenheim, Theodore H., assignor.)
- New Idea Spreader Co., The. (See Oppenheim, T. H., and Selhorst, assignors.)
- New Idea Spreader Company, The. (See Synck, Henry, assignor.)
- New Jersey Clock Company. (See Jauch, Martin, assignor.)
- New Jersey Machine Corporation. (See Feybusch, Martin, signor.)
- New Jersey Seating Co. (See Schmidt, James R., assignor.)
- New Jersey Wire Cloth Company, The. (See Beers, Louis G., assignor.)
- New Jersey Zinc Company, The. (See Anderson, Edmund A., assignor.)
- New Jersey Zinc Company, The. (See Bunce, E. H., and Mahler, assignors.)
- New Jersey Zinc Company, The. (See Hooey, William C., assignor.)
- New Jersey Zinc Company, The. (See Teter, Lloyd E., assignor.)
- Newkirk, Burt L., Schenectady, N. Y., assignor to General Electric Company. High-speed machine. 1,768,290; June 24.
- Newkirk, Burt L., Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for heat removal by mercury. 1,780,683; Nov. 4.
- Newkirk, Burt L., Schenectady, N. Y., assignor to General Electric Company. Process and apparatus for cleaning liquid mercury and the like. 1,786,312; Dec. 23.
- Newkirk, Edgar D. (See Snyder, F. H., and Newkirk.)
- Newkirk, Edgar D., and A. J. Briggs, Syracuse, N. Y. Low-temperature reduction of iron ores. 1,700,078; May 27.
- Newkirk, Gilbert L., East St. Louis, Ill. Auto awning. 1,751,750; Mar. 25.

- Newkirk, Merle, Midland, Mich. Sectional grate. 1,769,157; July 1.
- Newkirk, William B., Western Springs, Ill., assignor to International Patents Development Company, Wilmington, Del. Manufacture of dextrose. 1,750,938; Mar. 18.
- Newkirk, William B., Riverside, Ill., assignor to International Patents Development Company, Wilmington, Del. Making dextrose. 1,750,939; Mar. 18.
- Newkirk, William B., Riverside, Ill., assignor to International Patents Development Company, Wilmington, Del. Making crystalline dextrose. 1,783,626; Dec. 2.
- Neville, Joseph C., Norwalk, Ohio. Bobber attachment for holding fish lines. 1,778,119; Oct. 14.
- Nevin, James V., Long Beach, Calif. Screen loud-speaker. 1,778,084; Oct. 14.
- Newland, George H., and W. H. Wood, Danbury, Conn. Hatter's cone. 1,776,699; Sept. 23.
- Newlin, Charles O., Seattle, Wash. Spray brush. 1,781,763; Nov. 18.
- Newlin, Henry S., Jersey City, and W. E. Date, East Orange, N. J.; said Newlin assignor to The M. W. Kellogg Company, New York, N. Y. Method and apparatus for rolling tubular articles. 1,760,278; May 27.
- Newlon, James S., Picher, Okla. Cylinder head for gas engines. 1,749,646; Mar. 4.
- Newman, Albert N., assignor of one-half to F. M. Williams, Seattle, Wash. Polishing apparatus. 1,773,077; Aug. 12.
- Newman, Arnold W., Alvin, Tex. Jack. 1,763,669; June 17.
- Newman, Arthur S., London, England. Printing cinematograph films. 1,779,947; Oct. 28.
- Newman, Arthur S., assignor to Newman & Sinclair, Limited, London, England. Film box for cinematograph cameras. 1,771,651; July 29.
- Newman, Charles, New York, N. Y., and E. G. Appleton, assignors to Roach-Appleton Manufacturing Company, Chicago, Ill. Switch box. 1,782,545; Nov. 25.
- Newman, Charles, New York, N. Y., and E. G. Appleton, assignors to Roach-Appleton Manufacturing Company, Chicago, Ill. Box-supporting ear. 1,782,546; Nov. 25.
- Newman, Charles E., (See Miller, Edward, assignor.)
- Newman, David F., Freeport, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection screen. 1,783,973; Dec. 9.
- Newman, Edwin P. S., Washington, D. C. Ice grid. 1,780,980; Nov. 11.
- Newman, Garrett L., Philadelphia, Pa. Automobile coat tree. 1,751,417; Mar. 18.
- Newman, Gustav, Oakland, Calif. Cigarette-making device. 1,771,308; July 22.
- Newman, Herman F., Rosenberg, and F. A. Williams, Houston, Tex.; said Williams assignor to said Newman. Finger board. 1,766,347; June 24.
- Newman, Hugo, New York, N. Y. Optical projecting instrument. 1,779,635; Oct. 28.
- Newman, John P., and V. Thomas, Phoenix, Ariz. Dry-ore concentrator. 1,757,810; May 6.
- Newman Manufacturing Company, The. (See Dreher, Stanley C., assignor.)
- Newman, Max. (See Mueller, O., and Newman.)
- Newman, Morris S., Newark, N. J. Device for treating the stomach with ultra-violet rays. 1,782,906; Nov. 25.
- Newman, Philip N., Philadelphia, Pa. Fringe. 1,746,790; Feb. 11.
- Newman, Philip N., Philadelphia, Pa. Warp-knitting apparatus. 1,748,495; Feb. 25.
- Newman & Sinclair, Limited. (See Newman, Arthur S., assignor.)
- Newman, Thomas J., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Meter-testing switch. 1,761,638; June 3.
- Newman, William A., Montreal, Quebec, Canada. Water-gauge guard. 1,784,247; Dec. 9.
- Newman, William J., and J. P. Carroll, Chicago, Ill. Excavating machine. 1,763,810; June 17.
- New Matix Equipment Co., The. (See Dilks, James J., Jr., assignor.)
- New Metal Products Company. (See Hartford, Albert K., assignor.)
- Newpher, Charles F., Shaker Heights, assignor to Republic Steel Corporation, Youngstown, Ohio. Making bolts. 1,762,410; June 10.
- Newport Company, The. (See Delnet, Joseph, assignor.)
- Newport Company, The. (See Gubelmann, I. Goodrich, and Dettwyler, assignors.)
- Newport Company, The. (See Gubelmann, I., Goodrich, and Howell, assignors.)
- Newport Company, The. (See Gubelmann, I., and Henke, assignors.)
- Newport Company, The. (See Gubelmann, I., Weiland, and Stallmann, assignors.)
- Newport Company, The. (See Logan, William B., assignor.)
- Newport Company, The. (See Palmer, Robert C., assignor.)
- Newport Company, The. (See Palmer, R. C., Burda, and Oliver, assignors.)
- Newport Manufacturing Company. (See Schroeter, Georg, assignor.)
- New Process Metals Corporation. (See Miesse, Richard E., assignor.)
- New Process Multi-Castings Company. (See Harmes, Edward, assignor.)
- New Process Multi-Castings Company. (See Hazell, Joseph W., assignor.)
- New Process Multi-Castings Company. (See Wood, John R., assignor.)
- Newquist, Frederick, Essex, Iowa. Glazier's point. 1,764,882; June 17.
- Newren, Victor, Chicago, Ill. Door holder. 1,743,379; Jan. 14.
- Newsbaum, Iva A., Detroit, Mich. Roller knife. 1,758,328; May 13.
- Newsom, James B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Monitoring system. 1,753,348; Apr. 8.
- Newsom, Lewis W., Los Angeles, Calif. Bench. 1,744,666; Jan. 21.
- Newson, Frederick M., assignor to Newson Turbine Motor Company, Salt Lake City, Utah. Internal-combustion engine. Re17,749; July 29.
- Newson Turbine Motor Company. (See Newson, Frederick M., assignor.)
- Newspaper Stuffing Machine Company, The. (See Halvorsen, Severin, assignor.)
- News Projection Corporation. (See Decker, James W., assignor.)
- New Standard Aircraft Corporation. (See Day, C. H., and Komarnitsky, assignors.)
- Newton, Andy. (See Fugle, C. H., Ostenberg, Maglein, Trudo, and Newton.)
- Newton, Carl D. (See De Silver, Roberto, assignor.)
- Newton Chambers and Company. (See Mallet, Marcel, assignor.)
- Newton, Charles W., assignor to G. F. Newton, Kansas City, Mo. Concrete-form clamp and tightener. 1,772,678; Aug. 12.
- Newton, Daniel L., assignor to Newton Process Manufacturing Co., Fullerton, Calif. Hinge base for tanks and the like. 1,742,720; Jan. 7.
- Newton, Donald M., Montclair, N. J., assignor to MacArthur Concrete Pile Corporation, New York, N. Y. Forming piles. 1,742,926; Jan. 7.
- Newton, Earle R. (See Curtis, C. G., and Newton.)
- Newton, Edward C., Los Angeles, Calif. Timer for ignition systems. 1,761,225; June 3.
- Newton, Edwin H., and F. Green, assignors to National Paper Box Co., Kansas City, Mo. Tubular-box former. 1,755,513; Apr. 22.
- Newton, Frank H., Los Angeles, Calif. Fountain appliance. 1,770,943; July 22.
- Newton, Frank W., assignor of one-half to J. A. Stransky, Los Angeles, Calif. Wall-covering support. 1,775,371; Sept. 9.
- Newton, George F. (See Newton, Charles W., assignor.)
- Newton, Harry W., Denver, Colorado, assignor to The Dorr Company, New York, N. Y. Classifying and washing apparatus. 1,784,246; Dec. 9.
- Newton, Herbert B., Brookline, Mass. Wheelbarrow. 1,754,835; Apr. 15.
- Newton, Horace B., and C. P. Hicks, Santa Rosa, Calif. Mouth reed for musical instruments. 1,776,566; Sept. 23.
- Newton, John H., Nutley, N. J. Perpetual calendar. 1,783,302; Dec. 2.
- Newton, Joseph B., Roseville, Calif. Electromagnetic hydrocarbon accelerator. 1,753,617; Apr. 8.
- Newton, Milo C., and J. A. Gremling, assignors to The E. & N. Manufacturing Company, Delphos, Ohio. Polisher. 1,742,318; Jan. 7.
- Newton Process Manufacturing Co. (See Newton, Daniel L., assignor.)
- Newton, Sam, Altrincham, and C. L. Stern, assignors to The Company Linotype and Machinery Limited, London, England. Sheet-fed printing machine and sheet-conveying mechanism therefor. 1,746,492; Feb. 11.
- New York Air Brake Company, The. (See Bickel, Henry F., assignor.)
- New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
- New York Belting & Packing Company. (See Hopkinson, Ernest, assignor.)
- New York Brick Handling Corporation. (See Fuller, Claud E., assignor.)
- New York Brick Handling Corporation. (See Wallace, William W., assignor.)
- New York Engineering Company. (See Gundersen, R. G., and Struthers, assignors.)
- Niagara Blower Company. (See Bulkeley, Claude A., assignor.)
- Niagara Electric Chemical Company, The. (See Baum, Gustav, assignor.)
- Niagara Machine and Tool Works. (See Hahnemann, Paul R., assignor.)
- Niagara Machine & Tool Works. (See Lindgren, Bror J., assignor.)
- Niagara Machine and Tool Works. (See Munschauer Frederick E., assignor.)
- Niagara Metal Stamping Corporation. (See Armstrong, Eliot, assignor.)
- Niagara Sprayer & Chemical Co. (See Helenbolt, George S., assignor.)
- Niagara Sprayer Company. (See Knapp, E., and Allgrunn, assignors.)
- Nias, Henry, and W. Poster, Brooklyn, assignors, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Container. 1,766,226; June 24.

- Nibbs, Ernest, New London, assignor to Electric Boat Company, Groton, Conn. Engine construction. 1,751,653; Mar. 25.
- Nibbs, Ernest, New London, assignor to Electric Boat Company, Groton, Conn. Piston and ring mounting therefor. 1,778,200; Oct. 14.
- Nibbs, Ernest, and F. T. Cable, New London, assignors to Electric Boat Company, Groton, Conn. Piston ring and piston construction. 1,777,325; Oct. 7.
- Nice, Budd G., Hatboro, Pa. Making cylindrical rollers. 1,784,463; Dec. 9.
- Nice, Everett W. (See Price, H. R., and Nice.)
- Nichol, Corrington A. (See Wolfe, H. M., and Nichol.)
- Nichol Manufacturing Company. (See Nichol, Orr T., assignor.)
- Nichol, Orr T., Omaha, Nebr., assignor to Nichol Manufacturing Company. Tractor guide. 1,747,730; Feb. 18.
- Nichol, Orr T., Omaha, Nebr., assignor to Nichol Manufacturing Company. Tractor guide. 1,760,079; May 27.
- Nichol, Orr T., assignor to Nichol Manufacturing Company, Omaha, Neb. Tractor pilot structure. 1,784,534; Dec. 9.
- Nicholas, Charles W., assignor to Union Metal Products Company, Chicago, Ill. Car-coupler-operating device. 1,746,601; Feb. 11.
- Nicholas, Edward S., Monroe Center, Ill. Machine to make concrete building blocks. 1,766,930; June 24.
- Nicholas, Fred J., Dayton, Ohio, assignor to For-Eta Nut Company, St. Louis, Mo. Glass display case. Des. 82,276; Oct. 14.
- Nicholas, Grant W. (See Boomershire, Adam, assignor.)
- Nicholas, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier communicating system. 1,746,960; Feb. 11.
- Nicholas Power Company. (See Ellwood, William, assignor.)
- Nicholas Power Company. (See Uhlemann, Theodore F., assignor.)
- Nicholas, William, assignor to The Black Rock Manufacturing Company, Bridgeport, Conn. Rubber-tube-trimming machine. 1,753,299; Apr. 8.
- Nicholay, Paul, assignor of one-half to C. W. Attwood, Wayne, Mich. Securing electric barriers and the like. 1,786,446; Dec. 30.
- Nicholls, Henry M., Chicago, Ill., assignor to American Can Company, New York, N. Y. Spout for containers. 1,773,846; Aug. 26.
- Nicholls, Frederick T., Haberfield, near Sydney, Australia. Collapsible chock for road vehicle wheels. 1,768,265; June 24.
- Nicholls, Henry M., Chicago, Ill., assignor to American Can Company, New York, N. Y. Container. 1,754,482; Apr. 15.
- Nicholls, Henry M., Chicago, Ill., assignor to American Can Company, New York, N. Y. Container. 1,757,208; May 6.
- Nicholls, Robert W., Palisade, N. J., assignor, by mesne assignments, to A. J. Sorbello, New York, N. Y. Pipe. 1,767,997; June 24.
- Nichols, Alfred W., Revere, Mass. Gravity ride. 1,748,184; Feb. 25.
- Nichols, Arthur W., New York, N. Y. Sounding device. 1,761,486; June 3.
- Nichols, Arthur W., New York, N. Y. Sounding device. 1,773,543; Aug. 19.
- Nichols, Charles S., and W. M. Jordan, Lincoln, Nebr. Belt buckle. 1,763,981; June 17.
- Nichols Copper Company. (See Connolly, George E., assignor.)
- Nichols Copper Company. (See Fowler, E. J., and Baird, assignors.)
- Nichols Copper Company. (See Hartley, Henry J., assignor.)
- Nichols, Edgar B., assignor to Pfaudler Company, Rochester, N. Y. Liquid meter. 1,777,806; Oct. 7.
- Nichols, Edgar B., Camden, N. J., assignor to The Pfaudler Co., Rochester, N. Y. Liquid-processing apparatus. 1,778,810; Oct. 21.
- Nichols, Edgar B., Camden, N. J., assignor to The Pfaudler Co., Rochester, N. Y. Liquid-processing apparatus. 1,780,794; Nov. 4.
- Nichols, Edgar B., and U. G. Todd, assignors to The Pfaudler Co., Rochester, N. Y. Liquid-processing apparatus. 1,753,062; Apr. 1.
- Nichols, Emma F., Lincoln, Nebr. Tool head and fastener. 1,768,138; June 24.
- Nichols, Flowel, Chino, Calif. Feeder for baling presses. 1,756,988; May 6.
- Nichols, George B., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Inflation apparatus. 1,768,327; June 24.
- Nichols, George B., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Machine for inserting valves in inner tubes. 1,768,328; June 24.
- Nichols, Guy R., Sanger, Calif. Linoleum-seam spreader. 1,765,240; June 17.
- Nichols, Harry J., Washington, D. C. Method and apparatus for synchronizing two or more disconnected elements. 1,759,864; May 27.
- Nichols, Leonard O. (See Elliott, C. E., and Nichols.)
- Nichols, Louis C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Transformer and operating same. 1,761,580; June 3.
- Nichols Products Corporation. (See Sadwith, Ryan, assignor.)
- Nichols, Ralph G., Jeffersonville, Ind., and V. Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Tank-dome closure. 1,748,185; Feb. 25.
- Nichols, Robert P., Port Chester, N. Y. Clock casing. Des. 82,447; Nov. 4.
- Nichols, Townsend A., Wellsville, Kans. Stationery box. 1,742,821; Jan. 7.
- Nicholson, Alexander W., Dickerson Run, Pa. Engineer's brake valve for air-brake systems. 1,751,943; Mar. 25.
- Nicholson, Coleman L., 2d, Syracuse, assignor to Pass & Seymour, Inc. Solvay, N. Y. Lamp receptacle. 1,785,205; Dec. 16.
- Nicholson, George D., Cambridge, Ohio. Air heater. 1,771,812; July 29.
- Nicholson, George E., Tulsa, Okla. Coin control. 1,773,632; Aug. 19.
- Nicholson, Griffith C. (See Ackerman, E. W., and Nicholson.)
- Nicholson, John P., and J. W. McAllister, Notre Dame, Ind.; said McAllister assignor to said Nicholson. Sprint-starting appliance. 1,785,968; Dec. 23.
- Nicholson, Lance, et al. (See Burkhardt, Gottlob, assignor.)
- Nicholson, Leonard H., Chula Vista, Calif. Automobile door or window screen. 1,782,173; Nov. 18.
- Nicholson, Robert H., Meadville, Pa., assignor to Hookless Fastener Company. Separable fastener slider and making same. 1,785,420; Dec. 16.
- Nicholson, Stanley W., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Window regulator. 1,752,688; Apr. 1.
- Nicholson, Stanley W., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Window regulator. 1,772,755; Aug. 12.
- Nicholson, Stanley W., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Window regulator. 1,772,756; Aug. 12.
- Nicholson, Victor, Chicago, assignor of fifteen per cent to J. H. Lee, Oak Park, Ill. Cold-laid paving composition and producing same. 1,778,461; Oct. 14.
- Nicholson, William, River Rouge, Mich. Apparatus for securing wheeled vehicles to the decks of ships or other carriers. 1,770,798; July 15.
- Nickell, Arthur C., jr., Waukesha, Wis. Gear shift. 1,749,837; Mar. 11.
- Nickell, John E., Roosevelt, Okla. Calf weaner. 1,769,231; July 1.
- Nickels, James, Silvis, Ill. Universal rafter-framing machine. 1,785,044; Dec. 16.
- Nickel, Adolf, Inzersdorf, near Vienna, Austria. Incubator. 1,759,799; May 20.
- Nickerson, Albert H., Pawtucket, R. I. Post anchor. 1,774,288; Aug. 26.
- Nickerson, Alma N., assignor, by mesne assignments, to Highway Service, Incorporated, New Bedford, Mass. Road spreading machine. 1,748,141; Feb. 25.
- Nickerson, K. B. (See Davis, Dred W., assignor.)
- Nickerson, William E., assignor to Gillette Safety Razor Company, Boston, Mass. Mechanical movement. 1,779,981; Oct. 28.
- Nickerson, William H., Brookline, Mass. Shoe-shank stiffener. 1,746,010; Feb. 4.
- Nickl, Edwin F., Newark, and R. E. Cleveland, East Orange, assignors to De Forest Radio Company, Jersey City, N. J. Side-pinning machine. 1,757,542; May 6.
- Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Electrical regulator. 1,743,797; Jan. 14.
- Nickle, Samuel C., Calgary, Alberta, assignor to G. W. Endress, Winnipeg, Canada. Display fixture. 1,743,565; Jan. 14.
- Nickles, Bernard J., Franklin County, Ky. Tent. 1,773,847; Aug. 26.
- Nickowitz, Max N., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating casein-varnish-finished coated fabrics or articles and product thereof. 1,746,162; Feb. 4.
- Nicodemus, Otto, and W. Berndt, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Cyclic hydrocarbon and preparing the same. 1,776,924; Sept. 30.
- Nicodemus, Otto, and W. Berndt, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Cyclic hydrocarbon and preparing the same. 1,776,925; Sept. 30.
- Nicodemus, William W., Taylorville, Ill. Bracket for supports. 1,768,291; June 24.
- Nicolai, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of phosphoric esters of aliphatic alcohols. 1,766,720; June 24.
- Nicolai, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of phosphoric esters of aliphatic alcohols. 1,766,721; June 24.
- Nicolaus, Frederic G., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Detachable plate for concealed manifolds of gas ranges. 1,744,567; Jan. 21.
- Nicolayson, Jens K., Oakland, assignor of one-fourth to A. Archini, San Francisco, Calif. Fish trap. 1,762,881; June 10.

- Nicolet, Walter, Leipzig, Germany. Loom. 1,752,804; Apr. 1.
- Nicolet, Walter, Leipzig, Germany. Weaving. 1,764,574; June 17.
- Nicolet, Walter, Leipzig, Germany. Making a textile product. 1,764,575; June 17.
- Nicolet, Walter, Leipzig, Germany. Weaving. 1,764,576; June 17.
- Nicolet, Walter, Leipzig, Germany. Weaving fabrics. 1,764,577; June 17.
- Nicoletta, Joseph. (See Spino, L., and Nicoletta.)
- Nicoll, Robert I. D., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone trunk circuits. 1,742,928; Jan. 7.
- Nicoll, Robert I. D., Summit, N. J., R. C. Davis, New York, N. Y., and E. von Nostitz, Westfield, N. J.; said Nicoll and said Davis assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said von Nostitz assignor to American Telephone and Telegraph Company. Telephone-exchange system. 1,742,927; Jan. 7.
- Nicoll, Stuart B., Brooklyn, N. Y. Combination high chair and table. 1,769,384; July 1.
- Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Internally-clamped composite piezo-electric acoustic device. 1,753,312; Apr. 8.
- Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Apparatus for producing electric oscillations. 1,760,251; May 27.
- Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Multiple resonant acoustic device. 1,760,252; May 27.
- Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Cathode for thermionic devices and producing same. 1,762,581; June 10.
- Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Composite piezo-electric crystal device. 1,766,042; June 24.
- Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Internally-clamped composite piezo-electric torsion device. 1,766,043; June 24.
- Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Mechanical coupling for piezo-electric crystal devices. 1,766,044; June 24.
- Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Piezo-electric crystal modulation. 1,766,045; June 24.
- Nicolson, Alexander McL., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Musical-instrument loud-speaker. 1,744,916; Jan. 28.
- Nicolson, Alexander McL., assignor to Communication Patents, Inc., New York. Method and apparatus for television and the like. 1,779,747; Oct. 28.
- Nicolson, Alexander McL., assignor to Communication Patents, Inc., New York N. Y. High-speed television system. 1,779,748; Oct. 28.
- Nicolson, Alexander McL., assignor to Communication Patents, Inc., New York, N. Y. Scanning system for television. 1,779,749; Oct. 28.
- Nicolson, Thomas, Detroit, Mich. Permutation lock. 1,747,316; Feb. 18.
- Nicosia, Vincent N., Houston, Tex. Hair-drying apparatus. 1,782,626; Nov. 25.
- Nicoud Manufacturing Co. (See Hegstad, Olaf, assignor.)
- Niebel, Gottfried, New York, N. Y. Electric bulb or similar article. Des. 82,049; Sept. 16.
- Niebel, Gottfried, New York, N. Y. Electric bulb or similar article. Des. 82,515; Nov. 11.
- Niebel, Gottfried, New York, N. Y. Electric bulb or similar article. Des. 82,687; Dec. 2.
- Niece, Fred G. (See Dilworth, R. M., and Niece.)
- Niedecken, Edward F., Milwaukee, Wis. Drain connection. 1,786,771; Dec. 30.
- Nieden, Albrecht zur. (See zur Nieden, Albrecht.)
- Niederst, George H., Chicago, Ill. Radiator cap. Des. 81,805; Aug. 12.
- Niedomanski, George G., Washington, D. C. Corn shaver. 1,753,086; Apr. 1.
- Niedringhaus, Inc. (See Woehler, Henry G., assignor.)
- Nielsen, Andreas C. (See Brown, C. A., and Nielsen.)
- Nielsen, Andrew. (See Calkins, E., and Nielsen.)
- Nielsen, Anton E., Brooklyn, N. Y. Belt tightener for power units. 1,767,010; June 24.
- Nielsen, Carl, Lake Bluff, assignor to Abbott Laboratories, North Chicago, Ill. Food for invalids or infants. 1,767,185; June 24.
- Nielsen, Christian A., Aabyskov Pr Skaarup, Denmark. Cultivator-steering attachment. 1,757,974; May 13.
- Nielsen, Emanuel. (See Mross, E. R., and Nielsen.)
- Nielsen, Emanuel, assignor to Hamilton Beach Mfg. Co., Racine, Wis. Removable cover-plate mounting. 1,759,242; May 20.
- Nielsen, Emanuel, assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Electric switch. 1,764,337; June 17.
- Nielsen, Emanuel, assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Drink mixer. 1,764,338; June 17.
- Nielsen, Emil H., Oakland, assignor to Golden State Asparagus Co., San Francisco, Calif. Asparagus-handling machine. 1,773,433; Aug. 19.
- Nielsen, Emil J. (See Horsrud, O., and Nielsen.)
- Nielsen, Frantz F., R. H., and J. R., Afton, Wyo. Motor operating attachment for liquid sprayers. 1,751,709; Mar. 25.
- Nielsen, Frederik, Epping, near Sydney, New South Wales, Australia. Machine for vulcanizing rubber soles to fabric or other uppers. 1,770,655; July 15.
- Nielsen, Hans P., Alameda, assignor to Eames Company, San Francisco, Calif. Wheel structure. 1,749,502; Mar. 4.
- Nielsen, Hans P., Alameda, assignor to Eames Company, San Francisco, Calif. Brake structure for caster wheels. 1,785,421; Dec. 16.
- Nielsen, Harald, Muswell Hill, London, and B. Laing, Hatfield, England. Making producer gas. 1,743,930; Jan. 14.
- Nielsen, Herman, Frederiksberg, by Copenhagen, Denmark. Mechanical hammer. 1,770,656; July 15.
- Nielsen, Herman C., Memphis, Tenn. Waxing composition. 1,761,677; June 3.
- Nielsen, Herman C., Memphis, Tenn. Block for flooring. 1,773,848; Aug. 26.
- Nielsen, Holger, assignor to Keystone Refrigerating Corporation, Beaver Falls, Pa. Rotary compressor. 1,781,073; Nov. 11.
- Nielsen, James R. (See Nielsen, Frantz F., R. H., and J. R.)
- Nielsen, Jens P., Chicago, Ill. End closing and protecting means for fabric rolls. 1,766,256; June 24.
- Nielsen, Jens P., New York, N. Y. Electric-light socket. 1,743,900; Jan. 14.
- Nielsen, Jens P., and J. R. Richer, Chicago, Ill.; said Richer assignor to said Nielsen. End closure for fabric rolls. 1,766,034; June 24.
- Nielsen, Jens P., and J. R. Richer, Chicago, Ill.; said Richer assignor to said Nielsen. Applying wire to packages. 1,766,035; June 24.
- Nielsen, Jens P., and J. R. Richer, Chicago, Ill.; said Richer assignor to said Nielsen. End closing and protecting means for fabric rolls. 1,766,257; June 24.
- Nielsen, John F., Long Island City, assignor to Western Electric Company, Incorporated, New York, N. Y. Remote control system. 1,782,907; Nov. 25.
- Nielsen, Karl K., assignor to Alcor Manufacturing Company, Chicago, Ill. Adjustable fixture strap. 1,782,791; Nov. 25.
- Nielsen-Klodskov, Niels J., Ringster, Denmark. Highway signal. 1,785,422; Dec. 16.
- Nielsen Laboratories, Inc. (See Nielsen, Niels D., assignor.)
- Nielsen, Lars C., and W. B. Fox, assignors to Carver File Company, operated as the Delta File Works, Philadelphia, Pa. File-testing machine. 1,774,034; Aug. 26.
- Nielsen, Laurits A., Seattle, Wash. Display stand. 1,764,413; June 17.
- Nielsen, Niels D., assignor to Nielsen Laboratories, Inc., Elyria, Ohio. Lactic citrus product. 1,759,706; May 20.
- Nielsen, Rea H. (See Nielsen, Frantz F., R. H., and J. R.)
- Nieman, Henry W., Bethlehem, Pa. Mechanical movement. 1,751,646; Mar. 25.
- Nieman, Henry W., Bethlehem, Pa. Servo mechanism. 1,751,647; Mar. 25.
- Nieman, Henry W., Bethlehem, Pa. Servo mechanism. 1,751,648; Mar. 25.
- Nieman, Henry W., Bethlehem, Pa. Power-transmission mechanism. 1,751,650; Mar. 25.
- Nieman, Henry W., Bethlehem, Pa. Thrust bearing. 1,751,651; Mar. 25.
- Nieman, Henry W., Bethlehem, Pa. Synchronous amplifying control mechanism. 1,751,652; Mar. 25.
- Nieman, Henry W., Bethlehem, Pa., assignor to Bethlehem Steel Company. Servo mechanism. 1,751,645; Mar. 25.
- Nieman, Henry W., Bethlehem, Pa., assignor to Bethlehem Steel Company. Fire-control mechanism. 1,751,649; Mar. 25.
- Niemann, Carl. (See Biermann, G., and Niemann.)
- Niemann, Gustav, Duisburg, Germany. Crane. 1,769,750; July 1.
- Niemann, Henry H., Muskogee, Okla. Building block or tile. 1,758,757; May 13.
- Niemann, Karl, Berlin-Siemensstadt, Germany. Protective device for high-tension circuits. 1,768,779; July 1.
- Niemeyer, Fernando. (See Weber, H., and Niemeyer.)
- Nieminen, Maurits. (See Maki, Frank E., assignor.)
- Nier, Ernst B., Beierfeld, Germany. Effecting rotary operations in step presses. 1,784,745; Dec. 9.
- Nies, John D., assignor to Kimble Electric Company, Chicago, Ill. Motor-control means. 1,786,772; Dec. 30.
- Niesen, Otto B., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Explosive cartridge and loading high explosives in drill holes. 1,763,407; June 10.
- Niethamer, Edward, Bay City, Mich. Built-up record. 1,746,602; Feb. 11.
- Niethamer, Edward, Bay City, Mich. Locating piston rings. 1,777,501; Oct. 7.
- Nietman, Charles T., Jamaica, N. Y. Terminal connector for electric conductors. 1,767,808; June 24.
- Nightingale, Robert G. (See Armington, G. E., and Nightingale.)
- Nigro, Michel, assignor to Sleeper & Hartley, Inc., Worcester, Mass. Spring-coiling machine. 1,761,739; June 3.

- Nigro, Michel, Worcester, and W. H. Blount, West Brookfield, assignors to Sleeper & Hartley, Inc., Worcester, Mass. Wire-stranding machine. 1,784,105; Dec. 9.
- Nijland, Hendrik A. H., Utrecht, Netherlands. Electric-switch mechanism. 1,776,332; Sept. 23.
- Niles, Eliot W., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Meter. 1,749,044; Mar. 4.
- Niles, Eliot W., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Selective system. 1,749,838; Mar. 11.
- Niles, Eliot W., Bloomfield, N. J., and W. H. Edwards, Bayside, N. Y., assignor to American Telephone and Telegraph Company. Coin-box device. 1,754,238; Apr. 15.
- Niles, Eliot W., Bloomfield, N. J., and W. H. Edwards, Bayside, N. Y., assignor to American Telephone and Telegraph Company. Telephone signaling system. 1,754,239; Apr. 15.
- Niles, Eliot W., Bloomfield, N. J., and W. H. Edwards, Bayside, N. Y., assignors to American Telephone and Telegraph Company. Electrical delay circuit arrangement. 1,756,097; Apr. 29.
- Niles, Eliot W., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Signaling circuit. 1,758,056; May 13.
- Niles, Glenn H., Ridgewood, N. J., assignor to Improved Equipment Company, New York, N. Y. Coke-oven-door operating and pusher machine. 1,779,443; Oct. 28.
- Niles, R. B. (See Kicherer, H. J., and Niles.)
- Niles Steel Products Company, The. (See Fitzgerald, James E., assignor.)
- Niles, William E., Kansas City, Mo. Fishing tool. 1,775,291; Sept. 9.
- Nilles Stamping Company. (See Baumann, Walter D., assignor.)
- Nilson, Everett C., Worcester, Mass., assignor of forty per cent to R. G. Nilson, San Francisco, Calif., and twenty per cent to N. Nilson, Worcester, Mass. Acoustic diaphragm. 1,748,990; Mar. 4.
- Nilson, John L., and J. F. Prince, Chicago, Ill. Motor for operating windshield cleaners. 1,781,189; Nov. 11.
- Nilson, John L., and J. F. Prince, Chicago, Ill. Windshield-cleaner motor. 1,781,190; Nov. 11.
- Nilson, John L., and J. F. Prince, Chicago, Ill. Windshield-cleaner-operating mechanism. 1,781,697; Nov. 18.
- Nilson, Lars G., Hoboken, N. J., assignor to International Bitumenoid Corporation. Retort. 1,742,273; Jan. 7.
- Nilson, Leonard D., Wayzata, assignor to Marquette Manufacturing Company, St. Paul, Minn. Towing dolly. 1,764,971; June 17.
- Nilson, Nils, et al. (See Nilson, Everett C., assignor.)
- Nilson, Olof G., and R. W. Glasner, assignors to Marquette Tool & Manufacturing Co., Chicago, Ill. Valve-operating mechanism. 1,771,188; July 22.
- Nilson, Ralph G., et al. (See Nilson, Everett C., assignor.)
- Nilsson, Martin, et al. (See Balls, Arnold K., assignor.)
- Nilsson, Oscar, Verona, N. J. Wall construction. 1,751,050; Mar. 18.
- Nineteen Hundred Corporation. (See Cole, Clifford E., assignor.)
- Nineteen Hundred Corporation. (See Cole, C. E., and McGinnis, assignors.)
- Nineteen Hundred Corporation. (See Davis, George L., assignor.)
- Nineteen Hundred Corporation. (See Upton, L. C., and Keil, assignors.)
- Nineteen Hundred Washer Company, The. (See Doughty, Herman W., assignor.)
- Ninnermun, Richard R. O., Fero, N. Dak. Snap or clasp. 1,762,882; June 10.
- Niogret, Henri F., Lyon, France, assignor, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Apparatus for the manufacture of artificial silk. 1,782,581; Nov. 25.
- Nischan, John C., Evanston, Ill. Draw punch. 1,754,568; Apr. 15.
- Nischke, Henry South Milwaukee, assignor of one-half to A. Hartmann, Wescott, Wis. Chain connector. 1,756,521; Apr. 29.
- Nisenson, Julius, Brooklyn, assignor of one-half to A. Chanin, New York, N. Y. Device for controlling radio apparatus. 1,760,080; May 27.
- Nishi, Eisuke, Sukewaga-Cho, assignor to Kabushiki-Kaisha Hitachi-Seisakusho, Tokyo, Japan. Shockproof starter for direct-current motors. 1,774,066; Aug. 26.
- Nishinaka, Hiroshi, Stockton, Calif. Oil can for pruning shears. 1,756,129; Apr. 29.
- Nissen, John P., Philadelphia, Pa. Stocking. Des. 82,050; Sept. 16.
- Nissley, Jacob H. (See Horn, R. W. P., and Nissley.)
- Nistle, Frank P., Reading, Pa. Feeding mechanism for continuous baking ovens. Re17,723; July 8.
- Nitralloy Corporation, The. (See Fry, Adolf, assignor.)
- Nitsch, Richard, Warren, Ariz. Sewing wire for flat rope. 1,755,018; Apr. 15.
- Nittel, Frederick W., assignor to M S Co., Attleboro Mass. Bracelet fastener. 1,744,685; Jan. 21.
- Nitzsche, Fritz, Karlsruhe, Germany. Concrete foot for wooden poles. 1,753,063; Apr. 1.
- Nitzschke, Oswin, and E. Noack, Wiesdorf, assignors, to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Electrolytic manufacture of compounds containing active oxygen. 1,766,722; June 24.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,743,282; Jan. 14.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Manufacture of sleeve valves. 1,752,021; Mar. 25.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve-valve engine. 1,764,742; June 17.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve-valve engine. 1,764,743; June 17.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,764,744; June 17.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,764,745; June 17.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve-valve-actuating mechanism. 1,764,972; June 17.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve-valve-operating mechanism. 1,778,909; Oct. 21.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Oil filter. 1,778,910; Oct. 21.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,778,911; Oct. 21.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve-valve engine-cylinder head. 1,780,763; Nov. 4.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,785,556; Dec. 16.
- Nix, Leo D., Indianapolis, assignor to Puritan Engineering Corporation, Crawfordsville, Ind. Semiautomatic water softener. 1,744,493; Jan. 21.
- Nix, Lloyd S. (See Pale, Elias, assignor.)
- Nixdorf, Samuel P., Schenectady, N. Y., assignor to General Electric Company. Radio signaling system. 1,775,826; Sept. 16.
- Nixon, Clarence R., assignor of forty-nine one-hundredths to John L. Dunnock, Baltimore, Md. Rotary gasoline engine. 1,777,932; Oct. 7.
- Nixon, Clifton W. (See Larsen, L. H., and Nixon.)
- Nixon, Clifton W., New York, N. Y. Coin-controlled mechanism. 1,753,087; Apr. 1.
- Nixon, Clifton W., New York, N. Y. Vending apparatus. 1,753,088; Apr. 1.
- Nixon, Clifton W., New York, N. Y. Controlling mechanism for dispensing machines. 1,753,091; Apr. 1.
- Nixon, Clifton W., New York, N. Y. Handle-controlled slot closure. 1,753,092; Apr. 1.
- Nixon, Clifton W., assignor to Nixon Vending and Change Making Machines, Inc., New York, N. Y. Control mechanism for coin-controlled machines. 1,753,089; Apr. 1.
- Nixon, Clifton W., assignor to Nixon Vending and Change Making Machines, Inc., New York, N. Y. Vending and change-making machine. 1,753,090; Apr. 1.
- Nixon, Ernest G., London, England, assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Making sales books. 1,773,151; Aug. 19.
- Nixon, Jedd D. (See Church, Walter L., assignor.)
- Nixon Vending and Change Making Machines, Inc. (See Fonda, Douglass C., assignor.)
- Nixon Vending and Change Making Machines, Inc. (See Larsen, L. H., and McKeown, assignors.)
- Nixon Vending and Change Making Machines, Inc. (See Nixon, Clifton W., assignor.)
- Noack, Erich. (See Nitzschke, O., and Noack.)
- Noack, Walter G., assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Fluid-pressure apparatus. 1,766,678; June 24.
- Noack, Walter G., and J. de Freudenreich, Baden, Switzerland. Internal-combustion power plant. 1,785,643; Dec. 16.
- Noack, William A., Oakland, Calif., assignor to Concealo Fixture Company, Inc. Built-in furniture. 1,759,800; May 20.
- Noah, Floyd T., Greensboro, N. C. Spinning stop motion. 1,753,247; Apr. 8.
- Noaillon, Edmond H. V., Brussels, Belgium. Making cinematographic projections. 1,772,782; Aug. 12.
- Nobbe, William E., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Laminated glass and producing the same. 1,751,051; Mar. 18.
- Nobbe, William E., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Making laminated glass. 1,751,052; Mar. 18.
- Nobbs, George H., Watertown, Mass. Surfacing machine. 1,763,365; June 10.
- Noble and Cooley Co. (See Hiers, Ralph H. and H. A., assignors.)
- Noble, Boughton T., Plantsville, Conn. Forming angular-headed fastening devices. 1,778,562; Oct. 14.
- Noble, F. H., & Co. (See Shields, John M., assignor.)
- Noble, Glenn S. (See Jones, Wyatt J., assignor.)
- Noble and Harris. (See Piron, Emil H., assignor.)
- Noble, John A., sr. (See Gray, H. D., Auxter, and Noble.)
- Noble, John H., Kalamazoo, Mich. Rotary shaft packing. 1,780,764; Nov. 4.
- Noble, John W., jr., Yonkers, N. Y. Removable foot protector for shoes. 1,775,439; Sept. 9.

- Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Bottle. Des. 80,853; Apr. 1.
- Noble, Paul O., Fort Wayne, Ind., and J. A. Capp, Schenectady, N. Y., assignors to General Electric Company. Arc-welding electrode and making the same. 1,770,799; July 15.
- Noble, Ronald B., Spokane, Wash. Pull-off mechanism for roller bearings. 1,764,116; June 17.
- Noble, Warren. (See Kauffman, L. A., and Davis, assignors.)
- Noble, Warren, Detroit, Mich. Piston. 1,745,860; Feb. 4.
- Noble, Warren, Detroit, Mich. Engine-cranking device. 1,747,126; Feb. 11.
- Noble, Warren, Detroit, Mich. Air bleeder valve. 1,747,456; Feb. 18.
- Noble, Warren, Detroit, Mich. Journal bearing. 1,748,362; Feb. 25.
- Noble, Warren, Detroit, Mich. Exhaust valve. 1,756,796; Apr. 29.
- Noble, Warren, Detroit, Mich. Bearing. 1,759,412; May 20.
- Noble, Warren, Detroit, Mich. Metering instrument. 1,761,678; June 3.
- Noble, Warren, Detroit, Mich. Self-adjusting connecting rod. 1,770,624; July 15.
- Noble, Warren, Detroit, Mich. Piston. 1,774,396; Aug. 26.
- Noble, Warren, Detroit, Mich. Poppet valve. 1,784,640; Dec. 9.
- Noble, Warren, Detroit, Mich. Piston. 1,787,119; Dec. 30.
- Noble, Warren, Detroit, Mich. Hydraulic valve-operating mechanism. 1,787,120; Dec. 30.
- Noble, Warren, assignor to Electromaster, Inc., Detroit, Mich. Range or similar article. Des. 81,990; Sept. 9.
- Noble, Warren, assignor to Electromaster, Inc., Detroit, Mich. Electric stove or similar article. Des. 82,342; Oct. 21.
- Noble, Warren, and D. M. Pierson, Detroit, Mich., assignors, by mesne assignments, to Chrysler Corporation. Ventilating system. 1,778,036; Oct. 14.
- Noble & Wood Machine Company. (See Buehler, Brownell, assignor.)
- Noble & Wood Machine Co., The. (See Weir, Harry N., assignor.)
- Nobles, Edward, Pocatello, Idaho. Line-pole-setting device. 1,786,360; Dec. 23.
- Noblitt, Lafayette. (See Burgin, K. H., and Noblitt.)
- Noblitt, Quintin G., assignor to Indianapolis Pump & Tube Company, Indianapolis, Ind. Automobile heater. 1,769,385; July 1.
- Noblitt, Quintin G., assignor to Indianapolis Pump & Tube Company, Indianapolis, Ind. Automobile heater. 1,781,731; Nov. 18.
- Nock, Cecil J. (See Nock, John R. and C. J.)
- Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Spoon or analogous article. Des. 81,593; July 15.
- Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 81,594; July 15.
- Nock, John R. and C. J., Brooklyn, N. Y. Phonograph starting and stopping device. 1,759,460; May 20.
- Nock, Leo F., Elyria, Ohio. Mold-drying apparatus. 1,742,721; Jan. 7.
- Nocken, Theodor. (See Bauer, W., Neelmeier, and Nocken.)
- Nocken, Theodor. (See Neelmeier, W., and Nocken.)
- Noe, Charles, and H. Kreiss, Elizabeth, N. J. Valve for cellar drains. 1,762,190; June 10.
- Noe, George D., Minneapolis, Minn. Golf-bag bottom. 1,767,548; June 24.
- Noe, Harold C., East Orange, N. J., assignor to William R. Noe & Sons, New York, N. Y. Adjustable lampshade support. 1,762,189; June 10.
- Noe, William R., & Sons. (See Noe, Harold C., assignor.)
- Noe, William R., & Sons. (See Schmitt, Harry J., assignor.)
- Noeggerath, Jacob E., Berlin, Germany. Aeroplane for horizontal and vertical flight. 1,786,545; Dec. 30.
- Noel, Philip J., Bowling Green, Ky. Toothbrush. 1,748,895; Feb. 25.
- Noel, William A., Washington, D. C. Auxiliary draft attachment. 1,749,839; Mar. 11.
- Noell, Elmer F., assignor to The Printing Machinery Company, Cincinnati, Ohio. Printer's registering device. 1,764,030; June 17.
- Noelle, William, assignor of one-half to H. Wernicke, Chicago, Ill. Seat construction. 1,762,788; June 10.
- Noelting, William H., assignor to Faultless Caster Company, Cincinnati, Ohio, assignors to Faultless Caster Company, Evansville, Ind. Furniture trim and keeper. Re17,578; Feb. 4.
- Noelting, William H., Evansville, Ind., and A. I. Brokaw, pany, Evansville, Ind. Detachable top-bearing caster and socket. 1,781,732; Nov. 18.
- No Frost Clear Vision Shield Company. (See Steinman, Harry H., assignor.)
- Noguchi, Sam D., Canal Winchester, Ohio. Machine for cutting green corn from the cob. 1,751,351; Mar. 18.
- No-Greef Products, Incorporated. (See Farr, Alfred C., assignor.)
- Noguchi, Kojiyu, assignor to Mitsubishi Zosen Kabushiki Kaisha, Tokyo, Japan. Manufacturing electric heating elements. 1,779,822; Oct. 28.
- Noguchi, Shuhei, Stamford, Conn. Shipping tag. 1,752,539; Apr. 1.
- Nogueira, Luis V., Dallas, Tex. Wheel-rim-locking bolt. 1,749,984; Mar. 11.
- Noirit, Albert, Walsall, England. Fastener for power-transmission belts. 1,778,912; Oct. 21.
- Noiro, Leo F. and O. G., and G. C. Rupert, Peoria, Ill. Radioantenna. 1,752,925; Apr. 1.
- Noiro, Otto G. (See Noiro, Leo F. and O. G., and Rupert.)
- Nolan, Edward J., assignor to Eastman Kodak Company, Rochester, N. Y. Rewinding mechanism for motion-picture projectors. 1,745,861; Feb. 4.
- Nolan, John R., New York, N. Y., assignor to The Diamond Match Company, Chicago, Ill. Making matches. 1,773,404; Aug. 19.
- Nolan, Mary A. (See Nolan, William J., assignor.)
- Nolan, William J., assignor to M. A. Nolan, Chicago, Ill. Camera. 1,743,616; Jan. 14.
- Nolan, William J., Chicago, Ill., assignor to M. A. Nolan, Boston, Mass. Camera. 1,776,445; Sept. 23.
- Nolde and Horst Company, The. (See Floyd, Earl T., assignor.)
- Nolde and Horst Company, The. (See Gosch, W. H., and Kohout, assignors.)
- Nolde and Horst Company, The. (See Weidner, John R., assignor.)
- Nolen, Truly, and J. C. Truemper, Indianapolis, Ind., assignors to Highway Trailer Company, Edgerton, Wis. Roll-top cover for dumping vehicles. 1,784,248; Dec. 9.
- Nolder, Francis M., Westboro, Ohio. Combination caliper and divider. 1,750,486; Mar. 11.
- Noll, Fred C., Youngstown, Ohio. Regulator for hot-air furnaces. 1,751,944; Mar. 25.
- Nollesche Werke Komm.-Ges. (See Kennel, Fritz, assignor.)
- Nollesche Werke Komm.-Ges. (See Wollny, Karl, assignor.)
- Nollesche Werke Kommandit Gesellschaft. (See Neubert, August, assignor.)
- Nolsworthy, Frederick B., assignor of one-half to A. T. Marshall, Wyatt, Mo. Combined boll-cotton beating, cleaning, vacuum, and dropping machine. 1,775,599; Sept. 9.
- Nolte, Elmer, assignor to Rawlings Manufacturing Company, St. Louis, Mo. Fielder's glove. 1,756,377; Apr. 29.
- Nolte, Henry J., and W. I. Relyea, Schenectady, N. Y., assignors to General Electric Company. Vacuum tube. 1,780,033; Oct. 28.
- Nolte, Karl, Hanover, Germany. Sheet piling of box shape. 1,776,164; Sept. 16.
- Nolze, Heinrich F. J., Kaiserslautern, Germany. Disintegrator for cleaning gases and the like. 1,743,380; Jan. 14.
- Nolze, Heinrich F. J., Kaiserslautern, Pfalz, Germany. Electric gas purifier. 1,785,592; Dec. 16.
- Noma Electric Corporation. (See Block, Joseph, assignor.)
- Noma Electric Corporation. (See Cahn, Leon J., assignor.)
- Noma Electric Corporation. (See Manson, Leon B., assignor.)
- Noma Electric Corporation. (See Ridges, Jacob, assignor.)
- Noma Electric Corporation. (See Sadacca, Albert, assignor.)
- Nomanu Elektrische Apparate G. m. b. H. (See Thielmann, Sebastian, assignor.)
- Nonneman, Ira W., assignor to Borden Company, Warren, Ohio. Diestock. 1,750,241; Mar. 11.
- Nonnenman, William, St. John, New Brunswick, Canada. Electrical plug and socket. 1,753,064; Apr. 1.
- Noonan, Thomas F., Chicago, Ill. Cementing composition. 1,763,366; June 10.
- Noone, Charles A., assignor to The Chattanooga Manufacturing Company, Chattanooga, Tenn. Elevating device for shipping vehicles. 1,779,948; Oct. 28.
- Noorduyn, Robert B. C., Hasbrouck Heights, N. J., assignor, by mesne assignments, to General Aviation Corporation, New York, N. Y. Undercarriage for aircraft. 1,776,926; Sept. 30.
- Norbeck, Emil T., Minneapolis, Minn. Frost shield. 1,753,618; Apr. 8.
- Norberg, Clifford M., assignor to Brunner Engineering Corporation of New York, New York, N. Y. Propeller fan. 1,745,441; Feb. 4.
- Norberg, John E., San Francisco, Calif. Color chart. 1,753,619; Apr. 8.
- Nord, Swan E., Seattle, Wash. Self-draining oil can. 1,785,388; Dec. 16.
- Nordan, Monte E., St. Louis, Mo. Heating device. 1,756,033; Apr. 29.
- Nordberg Manufacturing Co. (See Cole, David, assignor.)
- Nordberg Manufacturing Co. (See Karlik, Wilhelm, assignor.)
- Nordberg Manufacturing Company. (See Ruegg, Clement, assignor.)
- Nordberg Manufacturing Company. (See Symons, Edgar B., assignor.)
- Nordberg Manufacturing Company. (See Talboys, Henry H., assignor.)
- Norddeutsche Affinerie. (See Roscher, Heinrich, assignor.)
- Nordell, Carl H., assignor to Folding Products Corporation, Chicago, Ill. Foldable curtain. 1,749,191; Mar. 4.
- Norden, Oliver, assignor to W. Meyer, Chicago, Ill. Hair drier. 1,781,879; Nov. 18.

- Norden, Svan, Cranston, assignor to Moore Fabric Company, Pawtucket, R. I. Drying and finishing machine. 1,760,516; May 27.
- Nordenfelt, Per, and E. Granstedt, assignors to Aktiebolaget Formator, Stockholm, Sweden. Device for producing tobacco portions of uniform size. 1,774,942; Sept. 2.
- Nordengren, Sven G., assignor to Aktiebolaget Kemiska Patentor, Landskrona, Sweden. Manufacture of phosphoric acid. 1,776,595; Sept. 23.
- Nordgran, James C., Salt Lake City, Utah, assignor, by mesne assignments, to C. A. Harth, The Dalles, Oreg. Automobile or highway signal. 1,752,805; Apr. 1.
- Nordhausen, August H., New York, N. Y. Manikin head or similar article. Des. 81,498; July 1.
- Nordhem, Eric. (See Alsaker, A., and Nordhem.)
- Nordholm, Leon E., Des Moines, Iowa. Circuit controller. 1,762,789; June 10.
- Nordlander, Birger W., Schenectady, N. Y., assignor to General Electric Company. Moldable product and preparing the same. 1,761,740; June 3.
- Nordlinger, Maurice W., and L. Klein, Norfolk, Va. Display apparatus. 1,763,317; June 10.
- Nordlund, Ludvig B., San Francisco, Calif. Toilet flusher. 1,784,944; Dec. 16.
- Nordquist, Carl W., Minneapolis, Minn. Combined sander and bumper. 1,745,705; Feb. 4.
- Nordquist, Henning G., Bloomfield, and W. B. Bronander, Montclair, assignors to Scandia Manufacturing Company, Newark, N. J. Cloth-finishing machine. 1,746,552; Feb. 11.
- Nordquist, Ronald E. J., Maplewood, N. J., and M. E. Widell, Cincinnati, Ohio, assignors to American Can Company, New York, N. Y. Safety device for punch presses or the like. 1,773,849; Aug. 26.
- Nordstrom, Carl G. (See Coffey, J. J., and Nordstrom.)
- Nordstrom, Edgar, Detroit, Mich. Extracting tool. 1,760,433; May 27.
- Nordstrom, Gustaf E. (See Millett, J. E., and Nordstrom.)
- Nordstrom, Gustaf E., assignor to American Fibre Corporation, Gardner, Mass. Loom for weaving fiber reed. 1,749,840; Mar. 11.
- Nordstrom, Linnie G., assignor of one-third to E. L. Stephenson, Galva, Ill. Pump jack. 1,756,098; Apr. 29.
- Nordstrom, Sven J., Oakland, Calif. Valve. 1,755,406; Apr. 22.
- Nordstrom, Sven J., Oakland, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. Re17,808; Sept. 16.
- Nordstrom, Sven J., Piedmont, Calif., assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. Re17,724; July 8.
- Nordstrom, Sven J., assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Lubricated plug valve. 1,781,821; Nov. 18.
- Nordstrom, Sven J., Oakland, and J. C. Haun, Berkeley, assignors to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,751,654; Mar. 25.
- Nordwick Engine Company. (See Ball, Guy M., assignor.)
- Norelius, Emil F., Davenport, Iowa. Steering mechanism. 1,767,254; June 24.
- Norelius, Emil F., Davenport, Iowa. Power cart. 1,774,451; Aug. 26.
- Norelius, Emil F., Davenport, Iowa. Roadless vehicle adapted for traveling over rough ground. 1,776,446; Sept. 23.
- Norfolk & Western Veterans Association. (See Henebry, Leo F., assignor.)
- Norfolk, William H., Brentwood Heights, Calif. Device for filling and sealing cracks. 1,743,474; Jan. 14.
- Norgaard, Hal W., Burbank, assignor to Pacific Machinery Company, San Francisco, Calif. Fruit pitter. 1,785,014; Dec. 16.
- Norge Corporation. (See Blood, Howard E., assignor.)
- Norgren, Carl A., Denver, Colo. Lubricating device for pneumatically-operated tools. 1,782,741; Nov. 25.
- Norheim, Alfred. (See Hönningstad, A., Arneson, and Norheim.)
- Norida Parfumerie, Inc. (See Póranski, Walter, assignor.)
- Norin, Adolf. (See Hanna, J. C., and Norin.)
- Norin, Carl E., Jersey City, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,756,433; Apr. 29.
- Norin, Carl E., Jersey City, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,762,345; June 10.
- Norling, Reinhold A. (See Levedahl, A., and Norling.)
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Chisel-retainer lock. 1,757,093; May 6.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Balanced throttle valve for pneumatic tools. 1,757,731; May 6.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Reversible close-quarter drill. 1,775,406; Sept. 9.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Venting means for pneumatic drills. 1,779,245; Oct. 21.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Venting means for pneumatic drills. 1,779,246; Oct. 21.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Clutch mechanism for power hoists. 1,781,125; Nov. 11.
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Venting means for pneumatic drills. 1,785,527; Dec. 16.
- Norlipp Company, The. (See Ayotte, Joseph R., assignor.)
- Norma-Hoffmann Bearings Corporation. (See Barrett, Geoffrey F., assignor.)
- Norma-Hoffmann Bearings Corporation. (See Bott, George R., assignor.)
- Norma-Hoffmann Bearings Corporation. (See Smith, Charles H., assignor.)
- Normalin Products, Inc. (See Partenico, Flora, assignor.)
- Norman, Carl A., Columbus, Ohio. Process of and apparatus for testing belts. 1,749,297; Mar. 4.
- Norman, Frank M., Galena, Ill. Boat. 1,784,071; Dec. 9.
- Norman, George M., assignor to Hercules Powder Company, Wilmington, Del. Diethylene glycol esters of abietic acid and producing the same. 1,779,710; Oct. 28.
- Norman, Herbert W., Lodi, N. J. Mousetrap. 1,767,306; June 24.
- Norman, John E., Leicester, England. Duplicator. 1,780,095; Oct. 28.
- Norman, Joseph T., assignor to The Norman Manufacturing Company, Frederick, Md. Wagon. 1,743,381; Jan. 14.
- Norman, Joseph T., assignor to The Norman Manufacturing Company, Frederick, Md. Wagon. 1,745,111; Jan. 28.
- Norman, Joseph T., assignor to The Norman Manufacturing Company, Frederick, Md. Wagon. 1,771,813; July 29.
- Norman Manufacturing Company, The. (See Norman, Joseph T., assignor.)
- Norman, Noah P. (See Leindorf, E., and Norman.)
- Norman, Sigurd, Newberg, Oreg. Conserving the heat and pulp from pulp-drying machines. 1,766,082; June 24.
- Norman, William, Grand Island, Nebr. Door catch. 1,762,883; June 10.
- Normandeau, Patrick F., Ronan, Mont. Grain drier. 1,748,519; Feb. 25.
- Normann, Lars. (See McDonough, J., and Normann.)
- Normington, Edwin B., Sacramento, Calif. Line tapper. 1,771,270; July 22.
- Nornable, William H., Leeds, England. Polish and like tin. 1,759,020; May 20.
- Norrell, Henry A., Augusta, Ga. Crossword-puzzle board. 1,769,961; July 8.
- Norris, Almon E., Brookline, Mass. Capstan. 1,755,187; Apr. 22.
- Norris, Almon E., Brookline, Mass. Ditcher back filler. 1,769,269; July 1.
- Norris, Charles B. (See Meyercord, G. R., and Norris.)
- Norris, Charles B., Grand Rapids, Mich., assignor to Has-kelite Manufacturing Corporation. Edge-turning machine. 1,747,317; Feb. 18.
- Norris, Charles B., Grand Rapids, Mich., assignor to Has-kelite Manufacturing Corporation. Machine for bending panels. 1,764,464; June 17.
- Norris, Clarence G. (See Baum, F. T., and Norris.)
- Norris, George E., Columbus, Ohio. Vending machine. 1,778,833; Oct. 21.
- Norris, Gerald C. (See Stevens, R. H., Norris, and Watson.)
- Norris, Henry M. (See Klausmeyer, D. C., and Norris.)
- Norris, Henry M., and D. C. Klausmeyer, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Thirty-two-speed head. 1,746,713; Feb. 11.
- Norris, Nelson H., Bath, N. Y. Milking machine. 1,745,309; Jan. 28.
- Norris, Ralph F., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Acoustical study and correction of auditoriums. 1,754,332; Apr. 15.
- Norris, Rupert B., Tulsa, assignor to W. C. Norris, Tulsa County, Okla. Oil-well pumping jack. 1,750,021; Mar. 11.
- Norris, W. C. (See Norris, Rupert B., assignor.)
- Norrin, Charles H., Philadelphia, Pa. Fluid-controlled-transmission mechanism. 1,759,801; May 20.
- North American Chemical Company. (See Daly, John J., assignor.)
- North American Chemical Company. (See Maxwell, George H., assignor.)
- North American Chemical Company. (See Mees, Frank S., assignor.)
- North American Lace Company. (See Daudy, Marc H., assignor.)
- North American Manufacturing Company, The. (See Naab, G. F., and Waltz, assignors.)
- North American Sound and Talking Picture Equipment Corporation. (See Marshall, Robert J., assignor.)
- North, Arthur O., Niagara Falls, N. Y. Wrench. 1,756,003; Apr. 22.
- North Bro's Mfg. Co. (See Fegley, T. J., and Leopold.)
- North, Charles E., Montclair, N. J., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Milk-pasteurizing apparatus. 1,742,871; Jan. 7.
- North, Clayton O., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Composition for use in the manufacture of rubber and the like. 1,787,258; Dec. 30.
- North, Edwin W. (See Alden, G. W., and North.)
- North, G. M., jr. (See Ruskowsky, August, assignor.)

- North, Herman A., Bogota, N. J. Protective garment. 1,749,714; Mar. 4.
- North & Judd Manufacturing Company. (See Freysinger, John B., assignor.)
- North & Judd Manufacturing Company. (See Wardner, Oel E., assignor.)
- North, O. B., & Co., The. (See Hancock, Horace G., assignor.)
- Northam, Waters C. (See Crutchfield, G. K., jr., Northam, and Kinker.)
- Northcutt, Jacob, Huntington Beach, Calif. Vegetable knife. 1,761,639; June 3.
- North East Appliance Corporation. (See Dorsey, Farnum F., assignor.)
- North East Appliance Corporation. (See Dorsey, F. F., and Crumrine, assignors.)
- North East Appliance Corporation. (See Hutchins, William H., assignor.)
- North East Appliance Corporation. (See Tappan, D., and Dorsey, assignors.)
- North East Appliance Corporation. (See Wallis, Cyril T., assignor.)
- Northern Aerial Minerals Exploration Ltd. (See Cheesman, Silas A., assignor.)
- Northern Conveyor & Mfg. Co. (See Bebinger, Charles N., assignor.)
- Northern Engineering Works. (See Robertson, William, assignor.)
- Northern Equipment Company. (See Veenschoten, Vincent V., assignor.)
- Northern Indiana Brass Company. (See Martin, Ross, assignor.)
- Northern Lignite Coal Company. (See Odell, William W., assignor.)
- Northern, Louis J., Greensburg, Kans. Wheel tightener. 1,742,664; Jan. 7.
- Northern Trust Company, The, et al., trustees. (See Carlson, Artie C., assignor.)
- Northern Trust Company, The, executor. (See Perry, Thomas O.)
- Northern Trust Company, The, et al., trustees. (See Myers, Lewis E., assignor.)
- Northey, John P., Toronto, Ontario, Canada. Rail joint. 1,776,367; Sept. 23.
- Northey, John P. and R. V., Toronto, Ontario, Canada. Manufacture of key bolts. 1,761,581; June 3.
- Northey, Rodney V. (See Northey, John P. and R. V.)
- Northfield, Glenn H. (See Northfield, Luke W., W. A., and G. H.)
- Northfield, Luke W., W. A., and G. H., Minneapolis, Minn. Scale-platform clearer. 1,749,599; Mar. 4.
- Northfield, Wesley A. (See Northfield, Luke W., W. A., and G. H.)
- North Pacific Cedar Products Corporation. (See Dietz, Frank L., assignor.)
- Northrop, Jonas, Hopedale, Mass., assignor to Standard Looms, Inc., Spartansburg, S. C. Warp stop motion for looms. 1,772,757; Aug. 12.
- Northrop, Earl W., and J. Ironside, assignors, by mesne assignments, to Clayton & Lambert Manufacturing Co., Detroit, Mich. Stand structure. 1,743,863; Jan. 14.
- Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Inductor furnace. 1,744,983; Jan. 28.
- Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Inductor-type furnace. 1,772,579; Aug. 12.
- Northrup, Edwin F., Princeton, N. J., assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Winding for electric furnaces. 1,778,398; Oct. 14.
- Northside Upholstery Company, The. (See Mattscheck, Joseph J., assignor.)
- Northway Manufacturing Company. (See Frederickson, C., and Gustafson, assignors.)
- Northwest Blower Kiln Company. (See Mueller, Moritz L., assignor.)
- Northwest Engineering Corporation. (See Burke, Paul, assignor.)
- Northwest Engineering Corporation. (See Holloway, John H., assignor.)
- Northwest Engineering Corporation. (See Orloff, Arthur, assignor.)
- Northwest Paper Company, The. (See Andrews, Dennis C., assignor.)
- Northwest Paper Company. (See Gortner, R. A., and Hoffman, assignors.)
- North Western Expanded Metal Company. (See Pearce, James W., assignor.)
- Northwestern Specialty Company. (See Graf, Arthur J., assignor.)
- Northwestern Steel & Iron Works. (See Nelson, Carl, assignor.)
- Northwestern Terra Cotta Company. (See Hottinger, Adolph F., assignor.)
- Norton, Arthur G., Holley, assignor to Alert Products, Inc., Rochester, N. Y. Lubricator. 1,781,554; Nov. 11.
- Norton-Blair-Douglass, Inc. (See Blair, Arthur G., assignor.)
- Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester, Mass. Automatic grinding machine. 1,779,779; Oct. 28.
- Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester, Mass. Automatic cylindrical grinding machine. 1,779,823; Oct. 28.
- Norton, Clarence A., and A. Kunz, St. Louis, Mo. Warm-air register. 1,769,931; July 8.
- Norton, Clarence E., Guilford, Conn. Tool for use in high-pressure lubricating systems. 1,744,793; Jan. 28.
- Norton Company. (See Flygare, Carl G., assignor.)
- Norton Company. (See Larsson, Thure, assignor.)
- Norton Company. (See Martin, Richard H., assignor.)
- Norton Company. (See Norton, Charles H., assignor.)
- Norton Company. (See Smith, George H., assignor.)
- Norton Company. (See Trefethen, C. G., and Belden, assignors.)
- Norton, George, Birmingham, England. Coal breaker. 1,763,403; June 10.
- Norton, George D. (See Pass, Fred, assignor.)
- Norton and Gregory Limited. (See Murray, Humphrey D., assignor.)
- Norton, Harold W., assignor to The Dayton Steel Racquet Company, Dayton, Ohio. Handle for tennis rackets and the like. 1,750,644; Mar. 18.
- Norton, Harold W., assignor to The Dayton Steel Racquet Company, Dayton, Ohio. All-metal racket for tennis and like games. 1,750,727; Mar. 18.
- Norton, Sir James Farmer, & Company. (See Bosshard, Arnold, assignor.)
- Norton Laboratories, Inc. (See Neal James B., assignor.)
- Norton-Lasler Company. (See Lasier, David R., assignor.)
- Norton Lasier Company. (See Norton, Lewis C., assignor.)
- Norton, Lewis C., assignor to Norton Lasier Company, Chicago, Ill. Control means for door closers. 1,770,250; July 8.
- Norton, Philander, Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone ringing system. 1,778,768; Oct. 21.
- Norton, Ralph H. (See MacChesney, C. M., and Norton.)
- Norton, Ralph H., assignor to Acme Steel Company, Chicago, Ill. Strap-stretching device. 1,784,025; Dec. 9.
- Norton, Raymond J., Washington, D. C. Brake drum. 1,746,493; Feb. 11.
- Norton, Raymond J., Washington, D. C. Brake drum. 1,746,494; Feb. 11.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Friction material. 1,751,167; Mar. 18.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake-drum structure. 1,763,251; June 10.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, Chicago, Ill. Brake member. 1,781,074; Nov. 11.
- Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake-shoe structure. 1,785,969; Dec. 23.
- Norton, Raymond P., Algona, assignor of one-half to W. A. Norton, Marshalltown, Iowa. Coin-controlled mechanism. 1,784,249; Dec. 9.
- Norton, Robert A., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of crude anthracene. 1,764,031; June 17.
- Norton, Robert A., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Hydraulic transmission fluid. 1,764,032; June 17.
- Norton, Samuel H., assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,785,715; Dec. 16.
- Norton, William A. (See Norton, Raymond P., assignor.)
- Norviel, Harry E., Anderson, Ind. Ignition apparatus. 1,759,461; May 20.
- Norviel, Harry E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Controller switch for automotive vehicles. 1,745,807; Feb. 4.
- Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric-switch lock. 1,747,383; Feb. 18.
- Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,749,352; Mar. 4.
- Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Stop-light switch. 1,750,279; Mar. 11.
- Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,750,280; Mar. 11.
- Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Lock switch. 1,750,538; Mar. 11.
- Norviel, Harry E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Lighting and ignition switch. 1,750,683; Mar. 18.
- Norviel, Harry E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Switching apparatus for steering-column controls. 1,753,576; Apr. 8.
- Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,753,620; Apr. 8.
- Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Ignition coil and lock switch. 1,759,462; May 20.
- Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Coil and switch unit. 1,766,833; June 24.
- Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,779,444; Oct. 28.

- Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Switch. 1,779,445; Oct. 28.
- Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Switch. 1,779,446; Oct. 28.
- Norviel, Harry E., Anderson, Ind., assignor, by mesne assignments, to A C Spark Plug Company, Flint, Mich. Illuminated instrument panel. 1,781,242; Nov. 11.
- Norviel, Harry E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,785,911; Dec. 23.
- Norviel, Harry E., Anderson, Ind., assignor to General Motors Corporation. Electric switch. 1,785,912; Dec. 23.
- Norviel, Harry E., and V. Ecoff, Madison, Ind., assignors to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,753,621; Apr. 8.
- Norway, Nevil S. (See Burney, C. D., Wallis, Norway, and Temple.)
- Norwich Pharmacal Company, The. (See Copley, D. M., and Snyder, assignors.)
- Norwood, Harry G., Baltimore, Md., assignor, by mesne assignments, to Balloon Rubber Heel Corporation. Rubber cushioned heel. Re17,890; Dec. 2.
- Norwood, Harry G., Baltimore, Md., assignor to The Positive Lock Washer Company, Newark, N. J. Noninterlocking nut-lock washer. 1,753,313; Apr. 8.
- Norwood, Harry G., Baltimore, Md., assignor to American Dairy Supply Company, Washington, D. C. Bottle stopper. 1,757,438; May 6.
- Norwood, Harry G., Baltimore, Md., assignor to Positive Lock Washer Company, Newark, N. J. Spring nut-lock washer. 1,786,502; Dec. 30.
- Norwood, Harry G., Baltimore, Md., assignor to Positive Lock Washer Company, Newark, N. J. Spring nut-lock washer. 1,786,503; Dec. 30.
- Norwood, Harry G., assignor to T. F. Von Dorn, New York, N. Y. Spring nut-locking device for rail joints. 1,758,848; May 13.
- Norwood, Harry G., Washington, D. C., assignor to T. F. von Dorn, New York, N. Y. Railway-rail anchor. 1,763,438; June 10.
- Norwood, Harry G., Washington, D. C., assignor to T. F. von Dorn, New York, N. Y. Railway-rail anchor. 1,765,092; June 17.
- Norwood, Harry G., Washington, D. C., assignor to T. F. von Dorn, New York, N. Y. Railway-rail anchor. 1,773,691; Aug. 19.
- Norwood, Harry G., Washington, D. C., assignor to T. F. von Dorn, New York, N. Y. Railway-rail anchor. 1,780,714; Nov. 4.
- Norwood, Harry Y., West Rush, assignor to Taylor Instrument Companies, Rochester, N. Y. Apparatus for making glass tubings. 1,770,005; July 8.
- Norwood, Stanley M., Brooklyn, N. Y., assignor to Electro Metallurgical Company. Welding rod. 1,762,483; June 10.
- Nose, Toichi, Kamakura Machi, Kanagawa Ken, Japan. Aeroplane. 1,782,210; Nov. 18.
- Noser, Charles P., Rochester, assignor to The Symington Company, New York, N. Y. Railway truck. 1,785,970; Dec. 23.
- Noske, Rudolf, San Francisco, Calif. Gun-sight mounting. 1,756,603; Apr. 29.
- Noto, Louis M., Chicago, Ill. Hairdressing device. 1,753,314; Apr. 8.
- Nott, Albin J., New York, N. Y. Surface condenser. 1,780,837; Nov. 4.
- Nottage, Stuart. (See Pauly, R. C., and Nottage.)
- Nourbourn, James W., administrator. (See Latham, Albert, deceased, assignor.)
- Nourse, Clair P., Milwaukee, assignor to The Midland Company, South Milwaukee, Wis. Jointed clip. 1,751,352; Mar. 18.
- Nourse, Clair P., Milwaukee, assignor to The Midland Company, Milwaukee, Wis. Jointed clip. 1,751,353; Mar. 18.
- Nourse, Ralph C. C., Hartford, Conn., and H. S. Scholes, Cranston, R. I. Foldable box. 1,778,462; Oct. 14.
- Nourse, Walter H., assignor to Electric Steel Foundry Co., Portland, Oreg. Swivel butt hook. 1,786,081; Dec. 23.
- Novadel-Agene Corporation. (See Gelissen, H. C. J. H., and Hooft, assignors.)
- Novak, Hi Lou, et al. (See Shriner, Robert L., assignor.)
- Novak, Izador J., Bridgeport, Conn., assignor, by mesne assignments, to Raybestos-Manhattan, Inc. Friction elements and making same. 1,766,931; June 24.
- Novak, Izador J., Bridgeport, Conn., assignor, by mesne assignments, to Raybestos-Manhattan, Inc. Hardened cellular or fibrous friction elements and producing same. 1,766,932; June 24.
- Novak, Izador J., Bridgeport, Conn., assignor, by mesne assignments, to Raybestos-Manhattan, Inc. Friction elements and making same. 1,766,933; June 24.
- Novak, Izador J., Bridgeport, Conn., assignor, by mesne assignments, to Raybestos-Manhattan, Inc. Hardened cellular or fibrous friction elements and producing same. 1,766,934; June 24.
- Novak, Izador J., Bridgeport, Conn., assignor, by mesne assignments, to Raybestos-Manhattan, Inc. Friction element and making the same. 1,785,701; Dec. 16.
- Novak, Julius J., Elmhurst, N. Y. Resilient wheel. 1,778,463; Oct. 14.
- Novak, Louis F., Jersey City, N. J. Syringe. 1,768,780; July 1.
- Nove, Roy A. (See Lumpkin, R. E., and Nove.)
- Novelite, Inc. (See Sarafian, Haig, assignor.)
- Novelli, Francesco, Pescina, Italy. Method of and apparatus for burning solid fuel. 1,756,096; Apr. 29.
- Novelli, Luis, Bahia Blanca, Argentine Republic. System of ignition for explosive mixtures. 1,780,499; Nov. 4.
- Novelties Incorporated. (See Ostrander, William H., assignor.)
- Novick, Abraham. (See McCarthy, G. L., and Novick.)
- Novick, Abraham, Brooklyn, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Cutting mechanism. 1,746,048; Feb. 4.
- Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 1,762,452; June 10.
- Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Company, Incorporated, New York, N. Y. Sheet-feeding mechanism. 1,771,652; July 29.
- Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machinery. 1,771,732; July 29.
- Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Sheet-folding mechanism. 1,774,897; Sept. 2.
- Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Tying bows. 1,774,898; Sept. 2.
- Novick, Theodor P., El Dorado, Ark. Pump-rod swivel. 1,745,310; Jan. 28.
- Novidoff, Raymond, New York, N. Y. Press feeder and receiver. 1,762,484; June 10.
- Novinsky, Roman A., and E. O. Barton, New York, N. Y. Match package. 1,754,036; Apr. 8.
- Novo Engine Company. (See Fisher, Henry J., assignor.)
- Novo Engine Company. (See Holmes, Herbert G., assignor.)
- Novo Engine Company. (See Morgan, William E., assignor.)
- Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Huntingdon Valley Postoffice, Pa. Synthetic resin and making the same. 1,767,696; June 24.
- Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Spring Valley Farms, Huntingdon Valley Post Office, Pa. Paper product and making the same. 1,771,133; July 22.
- Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Huntingdon Valley Post Office, Pa. Making substantially anhydrous fine-divided synthetic resins. 1,771,139; July 22.
- Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Huntingdon Valley Post Office, Pa. Making substantially anhydrous finely-divided synthetic resins. 1,771,140; July 22.
- Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Spring Valley Farms, Pa. Making synthetic resins. 1,771,508; July 29.
- Novotny, Emil E., Philadelphia, Pa., assignor to J. S. Stokes, Spring Valley Farms, Huntingdon Valley P. O., Pa. Making hollow objects of synthetic resin materials. 1,776,366; Sept. 23.
- Novotny, Emil E., Logan, assignor to J. S. Stokes, Spring Valley Farms, Huntingdon Valley P. O., Pa. Synthetic resin manufacture. 1,773,598; Aug. 19.
- Novotny, Ernest E., Philadelphia, Pa. Stencil sheet. 1,776,368; Sept. 23.
- Novotny, Ferdinand, New York, N. Y. Coffee receptacle. 1,757,583; May 6.
- Nowak, Alois K., et al. (See Nowak, A. K., and Dinzl, assignors.)
- Nowak, Alois K. (See Smith, Frank H.)
- Nowak, Alois K., Chicago, Ill., and R. W. Dinzl, Philadelphia, Pa., assignors to A. K. Nowak, Chicago, Ill., and F. H. Smith, Akron, Ohio. Briquetting machine. 1,786,167; Dec. 23.
- Nowakowski, Albert J., assignor to The Toledo Steel Tube Company, Toledo, Ohio. Bender. 1,751,492; Mar. 25.
- Nowland, Benoni, Philadelphia, Pa., assignor, by mesne assignments, to Signode Steel Strapping Company. Double-sealing tool. 1,778,534; Oct. 14.
- Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Ratchet wrench. 1,769,070; July 1.
- Noyes, Bradford, Jr., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,750,422; Mar. 11.
- Noyes, Mayhew E., Canton, Ohio. Adjustable window screen. 1,762,884; June 10.
- Noyes, Stanley E., Los Angeles, assignor to Harrison-Noyes Chemical Corporation, Ltd., Long Beach, Calif. Composition for dentures. 1,784,250; Dec. 9.
- Nuber, Otto, Reutlingen, Germany. Knitted fabric. 1,766,349; June 24.
- Nuebling, Emil L., assignor to Reading Meter Repair Company, Reading, Pa. Service-pipe curb box. 1,757,055; May 6.
- Nueske, Julius, Jr., Brooklyn, assignor to L. Mundet & Son, Inc., Brooklyn, N. Y. Cap-delivery mechanism. 1,748,076; Feb. 25.
- Nuetzi, Julius. (See Suter, E., and Nuetzi.)
- Nugent, William W., Chicago, Ill. Filtering apparatus. 1,767,856; June 24.
- Nugent, William W., Chicago, Ill. Filtering system for lubricants. 1,768,139; June 24.
- Nuhring, Charles, Cincinnati, Ohio. Hose rack. 1,750,964; Mar. 18.

- Nullmeyer, Frank H., Struthers, Ohio. Rod or wire drawing block. 1,756,206; Apr. 29.
- Numans, Johannes J. (See Bol, C., and Numans.)
- Numans, Johannes J., Eindhoven, Netherlands, assignor to Radio Corporation of America. Modulating system. 1,784,610; Dec. 9.
- Nunemacher, Arthur H., San Francisco, Calif. Serpentine projector. 1,750,120; Mar. 11.
- Nunes, Tony C., Hughson, Calif. Drum plug and faucet lock. 1,762,582; June 10.
- Nunez, Frank M., San Francisco, Calif. Buoyant swimming suit. 1,742,368; Jan. 7.
- Nunez, Vasco E. (See Decker, J., Green & Nunez.)
- Nunnally, Joseph M., Hollywood, Calif. Therapeutic pad. 1,754,763; Apr. 15.
- Nunwick, Arthur C., A. F. Iago, and K. M. Hunter, London, England. Helicopter. 1,748,520; Feb. 25.
- Nurnberg, Alice M., Port Townsend, Wash. Cigarette holder. 1,780,936; Nov. 11.
- Nute, Arthur P., Seattle, Wash. Piston. 1,764,465; June 17.
- Nutt, Frank N., assignor to A C Spark Plug Company, Flint, Mich. Fuel pump. 1,742,779; Jan. 7.
- Nutt, Frank N., assignor to A C Spark Plug Company, Flint, Mich. Oil filter. 1,761,932; June 3.
- Nutt, Harry G. (See Wurzbach, H. E., Wadsworth and Nutt.)
- Nutt, Harry G., Altadena, Calif., assignor, by mesne assignments, to Selector Corporation, Salt Lake City, Utah. Fruit-vending apparatus. 1,753,248; Apr. 8.
- Nutt, Harry G., Altadena, and S. C. Bartholomew, assignors to Scheu Manufacturing Company, Uplands, Calif. Apparatus for marking fruit and similar articles. 1,755,456; Apr. 22.
- Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel covering. 1,761,021; June 3.
- Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel and covering the same. 1,761,359; June 3.
- Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Covered heel and making the same. 1,770,990; July 22.
- Nuttall, Richard, Waverley, near Sydney, New South Wales, Australia. Elevating hand truck. 1,763,535; June 10.
- Nutter, William S., assignor to Goodall Worsted Company, Sanford, Me. Pile fabric and making the same. 1,778,196; Oct. 14.
- Nutting, Ernest, Marshalltown, Iowa. Rinse tub. 1,759,413; May 20.
- Nützelberger, Hans, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Integrating meter. 1,763,175; June 10.
- Nuway Electric Company. (See Zamboni, Frank J., assignor.)
- Nya Aktiebolaget Galco. (See Thureson, Josef E., assignor.)
- Nyanza Color & Chemical Co. (See Muller, Oscar F., assignor.)
- Nyborg, Tage G., and M. F. Higgins, Worcester, England. Electrically-driven shaker conveyer. 1,770,006; July 8.
- Nyborg, Tage G., and M. F. Higgins, Worcester, England. Belt conveyer. 1,770,007; July 8.
- Nye, Ralph D., Columbus, Ohio. Method and apparatus for manufacturing metal sheets from ingots. 1,771,688; July 29.
- Nye Tool & Machine Work, The. (See Lilleberg, Tideman M., assignor.)
- Nygaard, Oscar, Saugus, Mass. Water-cooled furnace wall. 1,750,048; Mar. 11.
- Nylund, Albert L., and H. A. Bode, assignors to Interior Milling Company, Philadelphia, Pa. Post mounting. 1,746,672; Feb. 11.
- Nylund, Viktor, Vancouver, British Columbia, Canada. Crosscut-saw handle. 1,769,535; July 1.
- Nyman, Alexander, Dobbs Ferry, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y. Insulator. 1,743,727; Jan. 14.
- Nyman, Alexander, Dobbs Ferry, assignor to Dubilier Condenser Corporation, New York, N. Y. Indicating device for high-frequency currents. 1,750,326; Mar. 11.
- Nyman, Alexander, East Orange, N. J., assignor to Dubilier Condenser Corporation. Electrical condenser. 1,768,416; June 24.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 1,748,186; Feb. 25.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Voice-operated relay equipment. 1,749,841; Mar. 11.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Distortionless amplifying system. 1,751,527; Mar. 25.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Apparatus for testing and repairing telephone circuits. 1,769,962; July 8.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Phase-compensating network. 1,770,422; July 15.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Electrooptical system. 1,773,785; Aug. 28.
- Nyquist, Harry, Millburn, assignor to American Telephone and Telegraph Company. Wave retardation. 1,775,775; Sept. 16.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Distortionless amplifying system. 1,778,085; Oct. 14.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Power-standard device. 1,786,546; Dec. 30.
- Nyquist, Harry, Millburn, N. J., and S. Brand, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Composite telephone and telegraph system. 1,754,240; Apr. 15.
- Nyquist, Harry, Millburn, and K. W. Pfeiffer, Arlington, N. J., assignors to American Telephone and Telegraph Company. Signaling system. 1,749,045; Mar. 4.
- Nyrop, Aage, Copenhagen, Denmark. Atomizing and drying liquids. 1,762,026; June 3.
- Nyrop, Aage, Copenhagen, Denmark. Sludge separator. 1,780,655; Nov. 4.
- Nyrose, Gust J., Claresholm, Alberta, Canada. Keyless catch and combination lock. 1,786,447; Dec. 30.
- Nystedt, Sigfred A., Storm Lake, Iowa. Vending machine. 1,754,037; Apr. 8.
- Nystrom, A. J., & Co. (See Swanson, Frank H., assignor.)
- Nystrom, Karl F., Chicago, Ill. Car-window construction. 1,755,223; Apr. 22.
- Nystrom, Martin, assignor to The Brunswick-Balke-Clender Company, Chicago, Ill. Suspension arm for an electrical pickup. Des. 81,106; May 6.
- Nystrom, Martin, assignor to The Brunswick-Balke-Clender Company, Chicago, Ill. Cabinet. Des. 81,201; May 20.
- Nystrom, Martin, Chicago, Ill., assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Sound-reproducing device. 1,783,385; Dec. 2.
- Nystrom, Martin, Chicago, Ill., assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Making diaphragms. 1,783,386; Dec. 2.
- Nystrom, Martin, Chicago, Ill., assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Diaphragm. 1,783,926; Dec. 2.
- O. K. Tool Company, The. (See Weddell, Ralph R., assignor.)
- Oak, Anthony H., Jacksonville, Fla. Battery-connector clips. 1,769,536; July 1.
- Oakes, George C., Paso Robles, Calif. Heel protector. 1,769,537; July 1.
- Oakes Manufacturing Company, The. (See Lord, Fred W., assignor.)
- Oakes, Mary B., et al. (See Bjork, Carl, assignor.)
- Oakes Products Corporation. (See Hershey, Orville S., assignor.)
- Oakland Foundry Company. (See Kunkel, Howard P., assignor.)
- Oakley, Alfred T., Thompson, Ohio, and P. Lupke, jr., assignors to Essex Rubber Company, Trenton, N. J. Drying apparatus. 1,750,813; Mar. 18.
- Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Tire-valve stem. 1,761,487; June 3.
- Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Waste fitting for sinks or the like. 1,762,734; June 10.
- Oakley, John, assignor to Bausch Machine Tool Company, Springfield, Mass. Hydraulic feed mechanism for drilling machines. 1,750,684; Mar. 18.
- Oakley, Laurence M., Trenton, N. J. Shoe sole. Des. 82,516; Nov. 11.
- Oakley, Laurence M., Trenton, N. J. Shoe heel. Des. 82,517; Nov. 11.
- Oakman, Erwin H., Atlanta, Ga. Sanitary base for table legs, etc. 1,745,905; Feb. 4.
- Oates, Norford L., and E. H. Waugh, Seattle, Wash., assignors to Smith Cannery Machines Co. Can-weighing machine. 1,747,593; Feb. 18.
- Oates, Ralph, Youngstown, Ohio. Sanitary toilet-seat cover. 1,776,333; Sept. 23.
- O'Bannon, Walter, Co. (See O'Bannon, Walter A., assignor.)
- O'Bannon, Walter A., Tulsa, Okla., assignor to Walter O'Bannon Co. Tubing hook. 1,747,128; Feb. 11.
- O'Bannon, Walter A., Tulsa, Okla., assignor to Walter O'Bannon Co. Slip socket. 1,785,644; Dec. 16.
- Ober, Beverly, assignor to G. Ober & Sons Company, Baltimore, Md. Manufacturing acid phosphate. 1,761,991; June 3.
- Ober, Beverly, assignor to G. Ober & Sons Company, Baltimore, Md. Apparatus for manufacturing acid phosphate. 1,761,992; June 3.
- Ober, Dan C., and A. R. Askue, East Cleveland, Ohio. Joint for high-voltage single-conductor cables. 1,775,776; Sept. 16.
- Ober, Dean C., Cleveland, Ohio. High-voltage underground cable system. 1,762,191; June 10.
- Ober, G. & Sons Company. (See Ober, Beverly, assignor.)
- Ober, Hermon P., assignor to General Railway Signal Company, Rochester, N. Y. Railway signaling system. 1,748,788; Feb. 25.
- Ober, Hermon P., assignor to General Railway Signal Company, Rochester, N. Y. Railway-traffic-controlling system. 1,748,921; Feb. 25.
- Ober, Leonard, assignor to The Ledor Company, Baltimore, Md. Plaited fabric. 1,747,023; Feb. 11.

- Ober, William R., Llanerch, Pa. Transplanting device. 1,783,026; Nov. 25.
- Oberascher, Franz, Salzburg, Austria. Device for evacuating pumps. 1,764,640; June 17.
- Oberascher, Franz, Salzburg, Austria. Device for evacuating pumps. 1,777,649; Oct. 7.
- Oberdorfer, Henry D., Champaign, and R. R. Bramhall, Decatur, Ill. Steel bleacher. 1,744,137; Jan. 21.
- Oberdorfer, Jonas L., assignor to M. L. Oberdorfer Brass Company, Syracuse, N. Y. Sump pump. 1,785,557; Dec. 16.
- Oberdorfer, M. L., Brass Company. (See Hedglon, Mead, assignor.)
- Oberdorfer, M. L., Brass Company. (See Oberdorfer, Jonas L., assignor.)
- Oberg, Anton J., and R. R. Stoeffen, Los Angeles, Calif. Projector. 1,761,360; June 3.
- Oberg, Anton J., and R. R. Stoeffen, Los Angeles, Calif. Control mechanism for color-projecting machines. 1,761,361; June 3.
- Obergfell, Herbert F., River Forest, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic switch. 1,750,902; Mar. 18.
- Obergfell, Herbert F., River Forest, and T. C. Riebe, Chicago, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Counting meter. 1,768,140; June 24.
- Oberhaensli, Friedrich, Bregenz-Lochau, Austria, assignor to "Omo" Aktiengesellschaft, Zurich, Switzerland. Internal-combustion engine and operating the same. 1,758,460; May 13.
- Oberheim, Albert, deceased, Charlotte, N. C.; M. Oberheim, executrix. Heat control for bake ovens. 1,756,604; Apr. 29.
- Oberheim, Mabel, executrix. (See Oberheim, Albert.)
- Oberhuber, William F., East Lansdowne, Pa. Apparatus for cleaning condenser tubes. 1,756,378; Apr. 29.
- Oberkrom, William A., et al. (See Johnson, Willard M., assignor.)
- Oberle, Alfred, Oak Park, Ill. Making carbonaceous material. 1,763,063; June 10.
- Oberle, Alfred, Oak Park, Ill. Carbonaceous material and making the same. 1,763,101; June 10.
- Oberle, Alfred, Oak Park, Ill. Carbonaceous material and making the same. 1,763,102; June 10.
- Oberle, Alfred, Kansas City, Mo. Recovering molybdenum from petroleum hydrocarbons. 1,772,960; Aug. 12.
- Oberleitan, Joseph, Irvington, N. J. Marking device. 1,777,104; Sept. 30.
- Oberlin, Carl, Mansfield, Ohio. Corncrib or the like. 1,763,627; June 10.
- Obermaier, Otto J., Neustadt, Germany. Extractor for warp beams. 1,750,782; Mar. 18.
- Obermeier, Ludwig, Brooklyn, N. Y. Heel attachment. 1,768,781; July 1.
- Oberndorfer, Louis, New York, N. Y. Shooting game. 1,783,303; Dec. 2.
- Oberst, Frank, Fosterdale, N. Y., assignor to Wilbur Products Company. Automatic stop device. 1,762,638; June 10.
- Obidzinski, Anthony B., assignor of one-fourth to J. Goldstein and one-fourth to J. J. Goldstein, Pittsburgh, Pa. Safety apparatus for submarine vessels. 1,776,334; Sept. 23.
- Oblak, Frank, assignor of one-half to G. Methling, Chicago, Ill. Insole and making same. 1,777,855; Oct. 7.
- Oblander, Herbert, assignor to Bunte Brothers, Chicago, Ill. Bottle or similar container. Des. 82,578; Nov. 18.
- O'Brien, Anson, Viola, Ill. Wireworking tool. 1,773,058; Aug. 12.
- O'Brien, Cornelius M., and S. J. Pilcher, Charlestown, Boston, Mass. Lifeboat davit. 1,777,980; Oct. 7.
- O'Brien, Denis F., East Orange, N. J. Valve-inserting method and mechanism. 1,781,698; Nov. 18.
- O'Brien, Elmer W., et al. (See Pavelcky, Thomas R., assignor.)
- O'Brien, Falconer, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 1,785,358; Dec. 16.
- O'Brien, Frank J., Baltimore, Md., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Receptacle closure. 1,759,274; May 20.
- O'Brien, Frank J., Baltimore, and W. Punte, Fullerton, Md., assignors, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Replaceable receptacle closure. 1,764,883; June 17.
- O'Brien, James J., Chicago, Ill. Display device. 1,763,318; June 10.
- O'Brien, James R., assignor to G. K. Flatland, Chicago, Ill. Cushioning device for railroad rails. 1,722,875; Aug. 12.
- O'Brien, John, Newark, Ill. Honey-section cleaner. 1,776,739; Sept. 23.
- O'Brien, John J., New York, N. Y. Display device. 1,777,933; Oct. 7.
- O'Brien, John J., Los Angeles, Calif. Water cruet. 1,779,615; Oct. 28.
- O'Brien, John J., Rosemont, Pa., assignor, by mesne assignments, to Motor and Plane Accessories, Inc., Detroit, Mich. Lubricating system. 1,762,238; June 10.
- O'Brien, John O. (See Thornton, John E., assignor.)
- O'Brien, John P., Chicago, Ill. Producing rear vents for unlined garments. 1,767,255; June 24.
- O'Brien, Joseph F. (See Madsen, Soren, assignor.)
- O'Brien, Joseph F. (See Pollak, A., and O'Brien.)
- O'Brien, Joseph F., et al. (See Schafran, Isaac, assignor.)
- O'Brien, Norman B. M., London, England, assignor, by mesne assignments, to Autolux Sign Company, Boston, Mass. Display sign. 1,754,863; Apr. 15.
- O'Brien, Parker J., Brooklyn, N. Y. Flexible band for knickers. 1,778,722; Oct. 21.
- O'Brien, Patrick F., Franklin, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,783,518; Dec. 2.
- O'Brien, Richard J., assignor to Waugh Equipment Company, Depew, N. Y. Spring-plank cushion. 1,762,886; June 10.
- O'Brien, Richard J., assignor to Waugh Equipment Company, Depew, N. Y. Cushion for side bearings. 1,762,887; June 10.
- O'Brien, Richard J., assignor to Waugh Equipment Company, Depew, N. Y. Journal-box cushion. 1,763,982; June 17.
- O'Brien, Sidney M., Rochester, N. Y. Lifting device and lock for automobile hoods. 1,764,578; June 17.
- O'Brien, Thomas. (See Holden, J. H., O'Brien, Whetzel, and Zimmerman.)
- O'Brien, Thomas, assignor to Swift & Company, Chicago, Ill. Hanging bacon bellies in smoke. 1,742,872; Jan. 7.
- O'Brien, William, Washington, Pa. Bull-wheel post or bearing support. 1,757,780; May 6.
- O'Brien, William C., Baltimore, Md. Starter for electric motors. 1,779,328; Oct. 21.
- O'Brien, William J. (See Scovel, J. C., and O'Brien.)
- O'Brien, William J., Baltimore, Md. Making bleached white barytes. 1,758,009; May 13.
- O'Bryan, Leslie L. (See Teleki, Benjamin, assignor.)
- Ochciuzzo, William, New York, N. Y. Automatic curtain tie-back. 1,763,811; June 17.
- O-Cedar Corp'n. (See Brown, Peter, assignor.)
- Ocenasek, Vaclav, assignor, by mesne assignments, to J. F. C. Luhan, New York, N. Y. Fire grate. 1,766,186; June 24.
- Ochs, George F. A., Newark, N. J. Composition block. 1,760,713; May 27.
- Ochsner, Jakob, Zurich, Switzerland. Tipping body. 1,778,866; Oct. 21.
- Ochwat, Paul. (See Kränzlein, G., Heyse, and Ochwat.)
- Ockels, Theodore H., Torrance, Calif. Centering reenforcing construction for columns. 1,759,626; May 20.
- O'Connell, James R., assignor to Morrison Machine Products, Inc., Elmira, N. Y. Feed finger for machine tools. 1,756,258; Apr. 29.
- O'Connell, John H., et al. (See Johnson, Frank A., assignor.)
- O'Connell, Joseph, and H. H. Kerr, Kensington, Victoria, Australia. Sterilizer. 1,745,906; Feb. 4.
- O'Connell, Thomas J., San Francisco, Calif. File. 1,755,407; Apr. 22.
- O'Connell, Thomas P., London, Ontario, Canada. Loose-leaf memorandum-pad holder. 1,768,266; June 24.
- O'Connor, Arthur F., Chicago, Ill. Hand brake. 1,774,107; Aug. 26.
- O'Connor, Arthur F., assignor to Union Railway Equipment Company, Chicago, Ill. Operating bar for doors. 1,743,382; Jan. 14.
- O'Connor, Arthur F., assignor to Union Railway Equipment Company, Chicago, Ill. Chain anchor for brake gears. 1,778,271; Oct. 14.
- O'Connor, Arthur F., assignor to Union Railway Equipment Company, Chicago, Ill. Ice bunker for refrigerator cars. 1,780,765; Nov. 4.
- O'Connor, Christopher D., Santa Barbara, Mex. Man-powered horse boat. 1,785,971; Dec. 23.
- O'Connor, Daniel J., jr. (See Sledge, C. B., and O'Connor.)
- O'Connor, Jerome F., San Francisco, Calif. Imprint-testing device. 1,760,714; May 27.
- O'Connor, John F., Chicago, Ill. Car construction. 1,779,140; Oct. 21.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Resilient unit for car trucks. 1,743,864; Jan. 14.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner Inc. Friction shock-absorbing mechanism. 1,747,481; Feb. 18.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,747,482; Feb. 18.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Coupler connection. 1,747,483; Feb. 18.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Coupler and yoke connection. 1,747,484; Feb. 18.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Brake. 1,755,408; Apr. 22.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,755,409; Apr. 22.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,755,410; Apr. 22.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,758,965; May 20.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,758,966; May 20.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,758,967; May 20.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction roller side bearing. 1,760,206; May 27.

- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Shock-absorbing mechanism for automobiles. 1,761,226; June 3.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 1,761,272; June 3.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for vehicles. 1,761,273; June 3.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Shock-absorbing mechanism for vehicles. 1,761,274; June 3.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Anti-friction bearing. 1,761,275; June 3.
- O'Connor, John F., assignor, by mesne assignments, to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,762,096; June 3.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Journal bearing. 1,762,411; June 10.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Journal bearing. 1,762,412; June 10.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,762,413; June 10.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,762,414; June 10.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,762,415; June 10.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Tandem draft rigging. 1,763,856; June 17.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction gear. 1,765,875; June 24.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,765,876; June 24.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Center bearing. 1,765,877; June 24.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Journal bearing. 1,769,035; July 1.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,769,709; July 1.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,769,710; July 1.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,775,614; Sept. 9.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,782,211; Nov. 18.
- O'Connor, Thomas, deceased, Minneapolis, Minn.; Merchants Trust Company executor. Self-preserving milk product. 1,749,153; Mar. 4.
- O'Connor, Thomas J., Charleston, W. Va. Transmission. 1,764,849; June 17.
- O'Connor, Walter J., Pittsburgh, Pa. Aeroplane wing. 1,744,663; Jan. 21.
- Odell, Aubrey D. (See Reed, T. C., and Odell.)
- Odell, Earl H., Chicago, Ill. Roller exercise machine. 1,748,425; Feb. 25.
- Odell, Earl H., Chicago, Ill. Vacuum-cup energizer. 1,757,135; May 6.
- Odell, Ross E., Bakersfield, Calif. Wrench. 1,755,486; Apr. 22.
- Odell, William W., Minneapolis, Minn. Checker brick. 1,745,113; Jan. 28.
- Odell, William W., Pittsburgh, Pa., assignor to G. W. Traer, jr., Minneapolis, Minn. Carbonizing and distilling carbonaceous materials such as lignite, coal, wood, peat, and similar materials. 1,747,731; Feb. 18.
- Odell, William W., Minneapolis, Minn., assignor to Columbia Engineering and Management Corporation, Cincinnati, Ohio. Making combustible gas. 1,762,100; June 3.
- Odell, William W., Minneapolis, Minn., assignor, by mesne assignments, to Northern Lignite Coal Company, Chicago, Ill. Apparatus for carbonizing and distilling carbonaceous materials. 1,785,645; Dec. 16.
- Odell, William W., Chicago, Ill., and C. W. Seibel, Amarillo, Tex. Making absorbent materials. 1,768,963; July 1.
- Oden, John M., Brooklyn, N. Y. Safety gasoline hose. 1,756,698; Apr. 29.
- Odenbach, John H., H. Goldman, and W. C. Henry, assignors to Dolomite Products Company, Inc., Rochester, N. Y. Rotary grizzly. 1,762,790; June 10.
- Odiorne, Ralph L. (See MacKenzie, Daniel P., assignor.)
- Odium, William H. (See Peterson, E. H., and Odium.)
- Odom, Nicholas A. B., San Antonio, Tex. Internal-combustion engine. 1,787,121; Dec. 30.
- O'Donnell, Francis J., Medway, assignor to Joseph M. Herman Shoe Company, Boston, Mass. Shoe. 1,758,405; May 13.
- O'Donnell, John W., Salem, assignor to The Turner Tanning Machinery Company, Peabody, Mass. Machine for working leather and other sheet material. 1,754,281; Apr. 15.
- O'Donnell, Mounie D., Levasy, Mo. Airplane. 1,769,161; July 1.
- O'Donnell, R. J. (See Royer, Enos S., assignor.)
- O'Donnell, Thomas, Ironwood, Mich. Signal box. 1,751,168; Mar. 18.
- O'Donohue Detachable Blade Drilling Bit Company. (See Le Bus, John E., assignor.)
- O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Thermostatically-operated fuel-controlling device. 1,755,188; Apr. 22.
- Odquist, Victor, Yonkers, assignor to American Can Company, New York, N. Y. Container closure. 1,773,850; Aug. 26.
- Oechsle, Joseph S., assignor to Metalweld Service Corporation, Philadelphia, Pa. Circulating pump for power units. 1,756,207; Apr. 29.
- Oechsle, Joseph S., assignor to Metalweld Service Corporation, Philadelphia, Pa. Coupling. 1,769,158; July 1.
- Oechsle, Joseph S., assignor to Metalweld, Incorporated, Philadelphia, Pa. Attachment frame for mobile units. 1,769,159; July 1.
- Oeder, Fred M., Flint, Mich. Pump. 1,778,723; Oct. 21.
- Oehler, Edward V., assignor to Phoenix Hosiery Company, Milwaukee, Wis. Packing hosiery. 1,772,633; Aug. 12.
- Oehler, George. (See Twiford, W. R., and Oehler.)
- Oehlke, Henry E., Manistee, Mich. Aeroplane control stick. 1,770,423; July 15.
- Oehm, F. M., et al. (See Shaw, James, assignor.)
- Oehmichen, Etienne, Valentigney, France. Sustaining propeller of the helicopter type. 1,742,665; Jan. 7.
- Oehmichen, Etienne, Valentigney, France. Cinematographic apparatus. 1,770,659; July 15.
- Oehmichen, Etienne, Valentigney, France. Apparatus for the enlargement and the screen projection of photographic views. 1,776,040; Sept. 16.
- Oehmichen, Etienne, Valentigney, France. Device for the automatic adjustment of the tensions of films. 1,786,917; Dec. 30.
- Oelberg, Clara. (See Kill, Vincent P., assignor.)
- Oertel, Ferdinand R., Brooklyn, N. Y. Printing press. 1,778,272; Oct. 14.
- Oertling, L. Limited. (See Dunbar, Malcolm, assignor.)
- Oertz, Max, Hamburg, Germany. Arrangement of cut-water rudders for ships. 1,744,138; Jan. 21.
- Oesterle, Frank D., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool. 1,764,641; June 17.
- Oesterlein Machine Company, The. (See Kuder, Karl J., assignor.)
- Oesterlein, William J. (See Hansen, Klaus L., and Oesterlein.)
- Oestnaes, Victor L. (See Boots, E. R., Luce, and Oestnaes.)
- Oestnaes, Victor L., Westfield, assignor to American Gas-accumulator Company, Elizabeth, N. J. Traffic-signal reflector. 1,786,958; Dec. 30.
- Oetjen, Howard H., Chicago, Ill., assignor to Chicago Electric Manufacturing Co. Side lamp for automobiles. 1,751,751; Mar. 25.
- O'Farrell, Thomas, Claremont, assignor to R. C. Bloomfield, Los Angeles, Calif. Agitating, mixing, and circulating machine. 1,780,360; Nov. 4.
- Ofenbau-Gesellschaft mit beschränkter Haftung. (See Bangert, H., and Peters, assignors.)
- Offen, Bernard, Chicago, Ill. Air-conditioning device. 1,779,679; Oct. 28.
- Offenbacher, Luitpold, assignor to the firm Bayerische Spiegelglas-Fabriken Bechmann-Kupfer A.-G., Furth, Germany. Manufacture of silvered glass. 1,770,991; July 22.
- Offenhauser, Christopher, Philadelphia, Pa. Cutting and mixing machine. 1,750,645; Mar. 18.
- Offerman, Louis, New York, N. Y. Cigarette holder. Des. 81,348; June 10.
- Offerman, Louis, Brooklyn, M. Blanshaft, and A. Savitzky, Bronx, N. Y. Latch and latch lock. 1,770,529; July 15.
- Officer, Thomas. (See Dansereau, O. J., and Officer.)
- Officer, Wesley J., assignor, by mesne assignments, to Blake Manufacturing Co., Springfield, Mass. Switch for electrical flash lights. 1,774,722; Sept. 2.
- Offutt, Lawrence H., Raspeburg, assignor to The D. R. S. Company Inc., Baltimore, Md. Cigarette holder. 1,747,024; Feb. 11.
- O'Flaherty, Frederick. (See McLaughlin, G. D., Rockwell, O'Flaherty, and Highberger.)
- O'Flanagan, Michael, Dublin, Ireland. Goggles. 1,742,412; Jan. 7.
- Ogburn, Francis A., High Point, N. C. Convertible table. 1,777,700; Oct. 7.
- Ogden, Clarence E., Cincinnati, Ohio, assignor to The Kodel Radio Corporation. Producing rectifying units. 1,769,852; July 1.
- Ogden, Dana P., Ottawa, assignor of one-half to E. F. Plumb, Streator, Ill. Continuous car tunnel furnace and operating the same. 1,768,486; June 24.
- Ogden, Daniel L. (See Burkey, H. M., and Ogden.)
- Ogden, J. Edward, Company. (See McIntosh, Roy E., assignor.)
- Ogden, J. Edward, Company. (See Ogden, Ralph E., assignor.)
- Ogden, J. Edward, Company. (See Tomkinson, Charles C., assignor.)
- Ogden, J. Edward, Company. (See Tomkinson, C. C., and Van Cleve, assignors.)
- Ogden, Jacob W., assignor to Pitney-Bowes Postage Meter Company, Stamford, Conn. Registering mechanism. 1,758,461; May 13.
- Ogden, Jessie C., by decree of distribution. (See Chapman, Alonzo, E.)
- Ogden, Ralph E., Mountainville, assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Expansion shield. 1,752,752; Apr. 1.
- Ogden, Richard A., New York, N. Y. End or side closure for cigarette packages. 1,758,406; May 13.
- Ogg, Harry L., assignor, by mesne assignments, to Automatic Washer Company, Newton, Iowa. Agitating disk for washing machines. 1,755,071; Apr. 15.

- Ogilvie, John J., Ottawa, Ontario, Canada. Heating apparatus. 1,778,464; Oct. 14.
- Ogle Construction Company. (See Bledsoe, Carl F., assignor.)
- Ogle Construction Company. (See Powell, Max, assignor.)
- Ogle, John N., assignor to Jenkins Laboratories, Washington, D. C. Synchronizer release. 1,747,839; Feb. 18.
- Oglesby, Anna A., administratrix. (See Oglesby, Walter S.)
- Oglesby, Nicholas E., Edgewood, Md. Process and apparatus for generating smoke screens. 1,785,744; Dec. 23.
- Oglesby, Nicholas E., and F. R. Weaver, Edgewood, Md. Process and apparatus for atomizing materials from moving aircraft. 1,784,157; Dec. 9.
- Oglesby, Walter S., deceased, New York, N. Y.; A. A. Oglesby, administratrix. Casement-window latch. 1,750,423; Mar. 11.
- Oglevee, Isaac N., Moore, assignor to F. C. Osterhaut, Philadelphia, Pa. Switch mechanism. 1,745,554; Feb. 4.
- Ogsbury, James S., Toronto, Ontario, Canada, assignor to Dayton Scale Company, Dayton, Ohio. Computing scale. 1,772,464; Aug. 12.
- O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Motor-control apparatus. 1,781,880; Nov. 18.
- O'Hagen, Archibald M., and G. C. Berger, Fosston, Minn. Shutter for motion-picture projectors and cameras. 1,749,154; Mar. 4.
- Ohan, Arakel M., assignor to Parker Wire Goods Company, Worcester, Mass. Mechanism for feeding screw-eyes. 1,756,658; Apr. 29.
- O'Hanlon, Joseph, Brooklyn, N. Y. Fire nozzle. 1,752,193; Mar. 25.
- O'Hanrahan, Sean, Inisfail, Ballyshannon, Irish Free State. Power-transmission means combined with motor vehicles and engines of same. 1,779,141; Oct. 21.
- O'Hara, Daniel, Philadelphia, Pa., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Shuttle eye. 1,772,012; Aug. 5.
- O'Hara, Elwin L., Antioch, Calif. Spray-tank agitator. 1,780,500; Nov. 4.
- O'Hara, John B., assignor to Dr. Pepper Company, Dallas, Tex. Bottle. Des. 80,695; Mar. 11.
- O'Hara, Skidmore. (See Clark, E. L. C., and O'Hara.)
- O'Hara Waltham Company. (See Clark, E. L. C., and O'Hara, assignors.)
- O'Hare, John S., Bethune, Colo. Screed support. 1,755,457; Apr. 22.
- O'Hare, William C., St. Paul, Minn. Picture-copying machine. 1,777,622; Oct. 7.
- O'Harra, Berry M. (See Perkins, M. F., Hanson, and O'Harra.)
- O'Harra, Berry M., Westfield, and E. A. Slagle, Trenton, N. J., assignors to American Smelting & Refining Company, New York, N. Y. Refractories. 1,747,905; Feb. 18.
- Ohio Automatic Sprinkler Company. (See Hamilton, John R., assignor.)
- Ohio Automobile Radiator Company, The. (See Habif, Vita, assignor.)
- Ohio Boxboard Company, The. (See Linn, G. E., and Finckel, assignors.)
- Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
- Ohio Brass Company, The. (See Austin, John B., assignor.)
- Ohio Brass Company, The. (See Birch, Leland W., assignor.)
- Ohio Brass Company, The. (See Bovard, William P., assignor.)
- Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
- Ohio Brass Company, The. (See Cooke, Milton W., assignor.)
- Ohio Brass Company, The. (See Dippman, F. R., and Moore, assignors.)
- Ohio Brass Company, The. (See Goodyear, Robert, assignor.)
- Ohio Brass Company, The. (See Graham, Walter F., assignor.)
- Ohio Brass Company, The. (See Langseth, Axel O., assignor.)
- Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
- Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
- Ohio Brass Company, The. (See Mead, George A., assignor.)
- Ohio Brass Company, The. (See Moore, Edgar D., assignor.)
- Ohio Brass Company, The. (See Moore, E. D., and Dippman, assignors.)
- Ohio Brass Company, The. (See Pipes, Pliny P., assignor.)
- Ohio Brass Company, The. (See Shuler, Earl J., assignor.)
- Ohio Brass Company, The. (See Wolff, Daniel R., assignor.)
- Ohio Chemical & Manufacturing Company, The. (See Glekler, John T., assignor.)
- Ohio Chemical & Manufacturing Company. (See Wardell, Charles H., Jr., assignor.)
- Ohio Cultivator Company, The. (See Rollman, Bruce, assignor.)
- Ohio Electric & Controller Company, The. (See Jessop, Francis W., assignor.)
- Ohio Electric & Controller Company, The. (See Krause, Walter J., assignor.)
- Ohio Electric and Controller Company, The. (See Wertz, Roy O., assignor.)
- Ohio Foundry & Manufacturing Company, The. (See Sharp, William L., assignor.)
- Ohio Grease Company, The. (See Beardsley, Earl W. and R. W., assignors.)
- Ohio Machine Tool Company, The. (See Davis, Cecil J., assignor.)
- Ohio Match Company, The. (See Parker, Lucian E., assignor.)
- Ohio Parts Company, The. (See Terrell, H. C., and Kerkhoff, assignors.)
- Ohio Power Shovel Company, The. (See Rauch, John D., assignor.)
- Ohio Rubber Company, The. (See Bronson, Budd, assignor.)
- Ohio Sanitary Engineering Corporation. (See Travers, John T., assignor.)
- Ohio Sanitary Engineering Corporation, The. (See Travers, John T. and M. E., assignors.)
- Ohio Sanitary Engineering Corporation, The. (See Travers, J. T., and Urbain, assignors.)
- Ohio Sanitary Engineering Corporation, The. (See Travers, J. T., Lewis, and Urbain, assignors.)
- Ohio Sanitary Engineering Corporation. (See Urbain, Oliver M., assignor.)
- Ohio State Stove Company, The. (See Clark, Joseph C., assignor.)
- Ohio Steel Foundry Company, The. (See Harbison, Clarence B., assignor.)
- Ohio Steel Foundry Company, The. (See Hohaus, Verne T., assignor.)
- Ohio Steel Foundry Company, The. (See Pierce, Elwood K., assignor.)
- Ohio Tubular Products Company, The. (See Tyson, Harold A., assignor.)
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Carrier-amplitude oscillator. 1,744,835; Jan. 28.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Carrier-amplitude control in radio systems. 1,744,836; Jan. 28.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Short-wave radio-receiver. 1,745,376; Feb. 4.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,753,444; Apr. 8.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,753,445; Apr. 8.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,753,446; Apr. 8.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Short-wave radio signaling system. 1,753,715; Apr. 8.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Tuned radio frequency amplifier. 1,755,266; Apr. 22.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Oscillation generator. 1,756,130; Apr. 29.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. High-frequency oscillation generator. 1,756,131; Apr. 29.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. High-frequency oscillation generator. 1,756,132; Apr. 29.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Vacuum-tube detector. 1,760,957; June 3.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Harmonic producer. 1,765,606; June 24.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Harmonic producer. 1,769,270; July 1.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Radioreceiver. 1,772,517; Aug. 12.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Piezo-electric oscillator. 1,783,130; Nov. 25.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Mounting for piezo-electric devices. 1,783,131; Nov. 25.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Mounting for piezo-electric devices. 1,783,132; Nov. 25.
- Ohl, Russell S., Cliffwood, N. J., assignor to American Telephone and Telegraph Company. Amplifying device. 1,765,607; June 24.
- Ohland, Fred H., Gibbon, Minn. Magnetic testing device. 1,751,710; Mar. 25.
- Ohlbaum, Karl, & Son, Inc. (See Steiner, Viktor, assignor.)
- Ohle, Heinz, and J. Othmar-Neuscheller, Berlin, Germany. Ethyl alcohol-gel. 1,783,133; Nov. 25.
- Ohler, A. J., et al. (See Baker, James C., assignor.)
- Ohlsen, Jørgen U. A., Copenhagen, Denmark. Preparing an oxychloride cement. 1,752,194; Mar. 25.

- Ohlson, Fred N. J., Pierson, Fla. Ball-game apparatus. 1,759,802; May 20.
- Ohlson, Olof, West Newton, Mass. Method and tool for cleaning spinnerets. 1,752,689; Apr. 1.
- Ohm, Albert J. D., Oak Park, Ill., assignor to The Beardslee Chandelier Manufacturing Company. Lighting fixture. Re17,809; Sept. 16.
- Ohm, Albert J. D., Oak Park, assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. Des. 81,714; July 29.
- Ohm, Albert J. D., Oak Park, assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. Des. 81,715; July 29.
- Ohm, Albert J. D., Oak Park, assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. Des. 81,716; July 29.
- Ohm, Albert J. D., Oak Park, assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. Des. 81,717; July 29.
- Ohm, Albert J. D., Oak Park, assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. Des. 81,718; July 29.
- Ohm, Albert J. D., Oak Park, assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. Des. 82,518; Nov. 11.
- Ohm, Albert J. D., Oak Park, assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. Des. 82,519; Nov. 11.
- Ohm, Ludwig. (See Ahmels, K., and Ohm.)
- Ohman, Charles A., and W. T. Ohman, Great Kills, N. Y. Transmitting tube for submarines and like vessels. 1,783,668; Dec. 2.
- Ohman, Willihard T. (See Ohman, Charles A. and W. T.)
- Ohmart, Grayston L. (See Hartman, M., Ohmart, and Hawkinson.)
- Ohmart, Grayston L., Detroit, Mich. Closure for containers. 1,764,973; June 17.
- Ohmer Fare Register Company. (See Gluck, Julius, assignor.)
- Ohmer Fare Register Company. (See Mills, J. B., and Gray, assignors.)
- Ohmer Fare Register Company. (See Ohmer, John F., jr., assignor.)
- Ohmer Fare Register Company. (See Paden, William L., assignor.)
- Ohmer Fare Register Company. (See Tingley, Bruce H., assignor.)
- Ohmer Fare Register Company. (See Wheelbarger, Albert S., assignor.)
- Ohmer, John F., jr., assignor to Ohmer Fare Register Company, Dayton, Ohio. Penny multiple register. 1,763,718; June 17.
- Ohmsen, Richard C. J. A., assignor to Firm Johann Carl Muller, Dresden, Germany. Cigar-making machine. 1,782,627; Nov. 25.
- Ohno, Tadashi, Tokyo, Japan. Sash balance. 1,773,059; Aug. 12.
- Ohnstrand, Enoch, Kenmore, N. Y. Aluminum boat. 1,761,451; June 3.
- Ohnstrand, Enoch, Kenmore, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Lock for double-acting file cabinets. 1,774,236; Aug. 26.
- Ohnstrand, Enoch, Kenmore, N. Y., assignor to Remington Rand Inc., Tonawanda, N. Y. Lock-replacing unit. 1,783,581; Dec. 2.
- Ohnstrand, Enoch, Mohawk, assignor, by mesne assignments, to Remington Rand, Inc., New York, N. Y. Cabinet. 1,774,235; Aug. 26.
- Ohnstrand, Enoch, Mohawk, assignor, by mesne assignments to Remington Rand Inc., New York, N. Y. Card-record desk. 1,786,628; Dec. 30.
- Ohori, Toshio and K. Nakazawa, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Producing a liquid insecticide containing effective ingredient of derris species. 1,745,907; Feb. 4.
- Öhrn, Johan. (See Salwén, R., and Öhrn.)
- Oil Conservation Engineering Company, The. (See Boyd, Charles A., assignor.)
- Oil Country Specialties Mfg. Co., The. (See Brown, Douglas R., assignor.)
- Oil Devices Corporation. (See Breese, James L., jr., assignor.)
- Oildraulic Lift Company. (See Stukenborg, Louis C., assignor.)
- Oil Engine Development Company. (See Cummins, Clessie L., assignor.)
- Oil Gas Generator Corporation. (See Held, Siegfried, assignor.)
- Oilgear Company, The. (See Ferris, John P., assignor.)
- Oilgear Company, The. (See Ferris, Walter, assignor.)
- Oil Well Supply Company. (See Greve, Edgar E., assignor.)
- Oil Well Supply Company. (See Lemex, John D., assignor.)
- Oil Well Supply Company. (See Lemex, J. D., and Smith, assignors.)
- Oil Well Supply Company. (See Mack, Patrick H., assignor.)
- Oishei, John R. (See Hueber, H., and Oishei.)
- Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield-cleaner mounting. 1,749,441; Mar. 4.
- Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,768,329; June 24.
- Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Fender mirror. 1,774,496; Aug. 26.
- Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Motor-vehicle ventilating fan. 1,780,143; Oct. 28.
- Oishei, John R., and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,745,114; Jan. 28.
- Oishei, John R., H. Hueber, W. Paulus, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,783,582; Dec. 2.
- Okadee Company, The. (See Demarest, Thomas W., assignor.)
- O'Kane, Walter C., et al., trustees. (See Hartzell, A., and Lathrop, assignors.)
- O'Kane, Walter C., Durham, N. H. Fungicide and insecticide. 1,786,125; Dec. 23.
- Okatoff, Alexander P., Leningrad, Union of Socialist Soviet Republics. Producing colloidal silicic acid. 1,783,304; Dec. 2.
- O'Keefe, Everett B., Alliance, Nebr. X-ray-exhibit stand. 1,776,477; Sept. 23.
- O'Keefe, George W., Dorchester, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Automatic reclosing system for electric switches. 1,769,538; July 1.
- O'Keefe, George W., Dorchester, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Protective device. 1,769,539; July 1.
- O'Keefe, George W., Milton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Remote control switch. 1,769,540; July 1.
- O'Keefe, George W., Milton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Push-button electric switch and cover plate therefor. 1,787,210; Dec. 30.
- O'Kelley, John F., Itasca, Tex. Stalk cutter. 1,757,873; May 6.
- Okey, Perry, Columbus, Ohio. Computing device. 1,778,037; Oct. 14.
- Okie, Francis G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Composite structure. Re17,584; Feb. 4.
- Okie, Francis G., assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn. Abrasive article. Re17,593; Feb. 11.
- Okie, Francis G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive article and making the same. 1,759,168; May 20.
- Okochi, Masatosi, and K. Ebihara, Shitaya-ku, Tokyo, assignors, to Zaidan Hojin Rikgaku Kenkyujo, Tokyo, Japan. Apparatus for measuring piston-ring pressure exerting upon cylinder walls. 1,760,518; May 27.
- Okonite Company, The. (See White, Francis J., assignor.)
- Okun, Joseph H., Brooklyn, assignor to Kny-Scheerer Corporation, New York, N. Y. Bedpan washer. Des. 81,120; May 6.
- Okura, Wasaburo, Muko-Gun, Japan. Paper-reeling machine. 1,750,487; Mar. 11.
- Olafson, Alvin O., assignor to National Traffic Signal Company, St. Paul, Minn. Traffic signal. 1,743,383; Jan. 14.
- Olafson, Alvin O., assignor to National Traffic Signal Company, St. Paul, Minn. Traffic signal. 1,749,390; Mar. 4.
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,778,957; Oct. 21.
- Olby, Odin, Ashland, Wis. Implement. 1,764,278; June 17.
- Olch, Jacob B., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing loom. 1,760,958; June 3.
- Old Ben Coal Corporation. (See Greene, F. C., and Laucks, assignors.)
- Old Ben Coal Corporation. (See Hertel, Otto H., assignor.)
- Old Colony Distributing Company. (See Blondin, Michel C., assignor.)
- Old Colony Envelope Company. (See Fountain, Joseph N., assignor.)
- Old Colony Trust Company. (See Burningham, F. A., and Moore, assignors.)
- Old Colony Trust Company. (See Marshall, Laurence K., assignor.)
- Old Colony Trust Company. (See Spaeth, Charles, assignor.)
- Old Colony Trust Company. (See Spencer, Percy L., assignor.)
- Oldenbusch, Ernest, Brooklyn, N. Y. Holder for graphic instruments. 1,751,354; Mar. 18.
- Oldendorph, Edwin G. (See Oldendorph, Henry D., and E. G.)
- Oldendorph, Henry D., Belleville, Ill., and E. G. Oldendorph, St. Louis, Mo. Railway rail. 1,745,377; Feb. 4.
- Oldfield, William H., Rochester, N. Y. Combination T Y connection. 1,759,321; May 20.
- Oldfield, William H., Rochester, N. Y. Bath trap. 1,779,102; Oct. 21.
- Oldfield, William H., Rochester, N. Y. Lavatory or washstand. 1,784,641; Dec. 9.
- Oldham, Henry V., McRoberts, Ky. Undergarment. 1,751,355; Mar. 18.

- Oldham, John M., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 1,785,359; Dec. 16.
- Oldham, Nile, Chicago, Ill. Roll-screen construction. 1,783,152; Nov. 25.
- Oldham, Samuel R., Chicago, Ill., assignor to Oxweld Railroad Service Company. Removable swivel tip for valve stems. 1,779,750; Oct. 28.
- Oldright, George L., Salt Lake City, Utah. Obtaining lead from its ores or other compounds. 1,744,174; Jan. 21.
- Olds, Ambrose D., assignor to The Coleman Lamp & Stove Company, Wichita, Kans. Percolator. Des. 81,063; Apr. 29.
- Olds, Ambrose D., assignor to The Coleman Lamp & Stove Company, Wichita, Kans. Percolator. Des. 81,064; Apr. 29.
- Olds, Ambrose D., assignor to The Coleman Lamp & Stove Company, Wichita, Kans. Waffle iron. Des. 81,065; Apr. 29.
- Olds, Ambrose D., assignor to The Coleman Lamp & Stove Company, Wichita, Kans. Waffle iron. Des. 81,066; Apr. 29.
- Olds, Charles V. (See Petznick, Herman P., assignor.)
- Oldson, John A., assignor to Wyman-Gordon Company, Worcester, Mass. Counterbalanced crank shaft. 1,756,659; Apr. 29.
- O'Leary, William C., Washington, D. C. Apparatus for exhausting air. 1,776,567; Sept. 23.
- O'Leary, William J., Dayton, Ohio. Acoustic apparatus. 1,767,610; June 24.
- O'Lena, Louis A., Brooklyn, N. Y. Ham bag. 1,749,776; Mar. 11.
- Olesen, Harold L. (See Engle, E. W., and Olesen.)
- Oleszko, John, Detroit, Mich. Floor drain and automatic food protector. 1,755,458; Apr. 22.
- Olgay, Albert, Glen Ellyn, assignor to Gaw-O'Hara Envelope Co., Chicago, Ill. Envelope-fastener-applying mechanism. 1,745,581; Feb. 4.
- Olgay, Albert, Glen Ellyn, assignor to Gaw-O'Hara Envelope Company, Chicago, Ill. Enveloping machine. 1,752,608; Apr. 1.
- Olgay, Albert, Glen Ellyn, assignor to Gaw-O'Hara Envelope Company, Chicago, Ill. Die. 1,765,770; June 24.
- Olhow, Trofini H., St. Paul, Minn. Vehicle curtain roller. 1,773,786; Aug. 26.
- Olin, John M. (See O'Neil, A. S., Schuricht, and Olin.)
- Olin, John M., Alton, assignor to Western Cartridge Company, East Alton, Ill. Shot shell. 1,757,584; May 6.
- Olin, Louis B., Chicago, Ill. Refrigerator vehicle. 1,758,529; May 13.
- Oliphant, John, Chicago, Ill., assignor to Sullivan Machinery Company. Displacement pumping system. 1,783,747; Dec. 2.
- Oliphant, Laurence, Trenton, N. J., assignor to Oxweld Acetylene Company. Acetylene generator. 1,753,529; Apr. 8.
- Oliphant, Laurence, Trenton, N. J., assignor to Oxweld Acetylene Company. Hydraulic back-pressure gas valve. 1,770,341; July 8.
- Oliva, Vincent, assignor to Grand Central Wicker Shop, Inc., New York, N. Y. Chair or the like. Des. 82,898; Dec. 23.
- Olivaux, Francis, Paris, France. Distributing apparatus for cigarettes and other articles. 1,758,168; May 13.
- Olive, Naomi S. (See Caster-Udell, Bessie, assignor.)
- Oliver, Anthony F. (See Palmer, R. C., Burda, and Oliver.)
- Oliver, Arthur. (See Janosek, Joseph T., assignor.)
- Oliver, Claude D., et al. (See Powell, Richard L., assignor.)
- Oliver, Dew R., Los Angeles, Calif. Air motor. 1,783,669; Dec. 2.
- Oliver, Edd C., Adrian, Mich. Universal grinder. 1,752,961; Apr. 1.
- Oliver, Elwyn E., Cleveland, Ohio. Gear drive for cinematographic projectors. 1,783,340; Dec. 2.
- Oliver Farm Equipment Company. (See Altgelt, Herman E., assignor.)
- Oliver Farm Equipment Company. (See Dewend, William D., assignor.)
- Oliver Farm Equipment Company. (See Gallagher, Arthur D., assignor.)
- Oliver, Hogan. (See Neitzel, Conrad T., assignor.)
- Oliver Iron & Steel Corporation. (See Fassinger, Charles, assignor.)
- Oliver, John G. (See Hornberger, Earl J., assignor.)
- Oliver, John G. (See Lioy, W. L., and Hugs, assignors.)
- Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Welt-sewing machine. 1,770,992; July 22.
- Oliver, Joseph F. (See Wakefield, C. E., Fleming, and Oliver.)
- Oliver, Lott D., Houston, Tex. Brick press. 1,742,555; Jan. 7.
- Oliver, Lott D., Houston, Tex. Mold. 1,768,922; July 1.
- Oliver Machinery Company. (See Baldwin, M. D., Kurkjian, and Renwick, assignors.)
- Oliver Machinery Co. (See Eaglesfield, Robert D., assignor.)
- Oliver Machinery Company. (See Renwick, Thomas R., assignor.)
- Oliver, Marshall F., Charlottesville, Va. Electric fan. 1,784,072; Dec. 9.
- Oliver United Filters Inc. (See Sweetland, Ernest J., assignor.)
- Oliver United Filters Inc. (See Sweetland, E. J., and Zenthoef, assignors.)
- Oliver United Filters Inc. (See Zenthoef, Joseph V., assignor.)
- Oliver, William H., Abilene, and O. L. Peters and A. A. Struckhoff, Grinnell, Kans. Hamburger-cake-pressing machine. 1,781,339; Nov. 11.
- Oliver, Xorol R., Oakland, Calif. Electric depilator. 1,747,643; Feb. 18.
- Oliver, Xorol R., Oakland, Calif. Chair for practicing electrolysis. 1,747,644; Feb. 18.
- Olivetti, Camillo, Ivrea, Italy. Margin-adjusting device for writing machines. 1,748,896; Feb. 25.
- Olivier, Herman C., assignor to General Motors Corporation, Detroit, Mich. Internal brake. 1,761,933; June 3.
- Ollesheimer, Lawrence J., West Orange, N. J. Device having wear-resistant surface. 1,769,160; July 1.
- Ollesheimer, Lawrence J., assignor to Sprucolite Corporation, Inc., West Orange, N. J. Compressed laminated product and making the same. 1,747,906; Feb. 18.
- Olley, Raymond H. (See Pearson, J. T., and Olley.)
- Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Conduit outlet box. 1,774,151; Aug. 26.
- Olmstead, Henry H., Wharton, N. J. Securing articles to each other and of introducing and securing the assembly in a container. 1,746,553; Feb. 11.
- Olmsted, Roger W. (See Brawne, W. G., and Olmsted.)
- Olmsted, Roger W., assignor to Foster & Kleiser Company, San Francisco, Calif. Sectional signboard. 1,755,360; Apr. 22.
- Olpin, Henry C. (See Ellis, G. H., Olpin, and Walker.)
- Olsen, Carl M., assignor to A. J. Johnson & Sons Furniture Co., Chicago, Ill. Cabinet for radio receiving sets. Des. 81,017; Apr. 22.
- Olsen, Carl M., assignor to A. J. Johnson & Sons Furniture Co., Chicago, Ill. Cabinet for radio receiving sets. Des. 81,842; Aug. 19.
- Olsen, Corrine, et al. (See Olsen, Emil J., assignor.)
- Olsen, Emelia, et al. (See Olsen, Emil J., assignor.)
- Olsen, Emil J., North St. Paul, assignor of one-fourth to E. Olsen, one-fourth to C. Olsen, and one-fourth to V. Olsen, St. Paul, Minn. Auxiliary air-pressure stop. 1,784,705; Dec. 9.
- Olsen, Fredrich, Dover, N. J. Delay powder. 1,748,455; Feb. 25.
- Olsen, Fredrich, Dover, N. J. Explosive composition. 1,758,169; May 13.
- Olsen, Fredrich, East Alton, Ill., and C. J. Bain, Dover, N. J. Loading explosives. 1,752,391; Apr. 1.
- Olsen, George F., Los Angeles, Calif. Recovery of entrained oils from filter cakes. 1,745,837; Feb. 4.
- Olsen, Gustav. (See Albertson, F. O., and Olsen.)
- Olsen, Jens J., San Antonio, Tex. Metal alloy and forming the same. 1,759,169; May 20.
- Olsen, John C., Bronx, N. Y. Drapery. 1,773,007; Aug. 12.
- Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Fastener for belts and the like. 1,755,304; Apr. 22.
- Olsen, John K., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel-feeding apparatus for internal-combustion engines. 1,780,310. Nov. 4.
- Olsen, Joseph O., assignor to Mattison Machine Works, Rockford, Ill. Power-driven saw. 1,765,733; June 24.
- Olsen, Lawrence, Philadelphia, Pa. Propelling device. 1,744,568; Jan. 21.
- Olsen, Marvin R. (See Franks, C. H., and Olsen.)
- Olsen, Marvin R., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for arranging articles. 1,750,327; Mar. 11.
- Olsen, Neal S., Brooklyn, N. Y. Sealing containers. 1,767,770; June 24.
- Olsen, Niels H. F., Detroit, Mich. Bumper clamp. 1,744,667; Jan. 21.
- Olsen, Olaf C., Cleveland, assignor of two-thirds to The Borden Company, Warren, Ohio. Refrigerating apparatus. 1,747,386; Feb. 18.
- Olsen, Olaf C., Cleveland, assignor of two-thirds to The Borden Company, Warren, Ohio. Refrigerating apparatus. 1,768,417; June 24.
- Olsen, Olaf C., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,768,625; July 1.
- Olsen, Olaf C., Dayton, assignor of two-thirds to The Borden Company, Warren, Ohio. Refrigerating apparatus. 1,782,628; Nov. 25.
- Olsen, Olaf C. S., Chicago, Ill. Desk and the like. 1,770,546; July 15.
- Olsen, Oscar B. (See Quast, A. H., and Olsen.)
- Olsen, Reuben A., and R. H. Shadrick, assignors of one-third to E. T. Swanson, Minneapolis, Minn. Hydraulically-controlled variable-speed device. 1,758,370; May 13.
- Olsen, Simon D., Walthamstow, England. Actuating steering gear and for analogous purposes. 1,752,022; Mar. 25.
- Olsen, Tinius, Testing Machine Company. (See Lewis, Robert B., assignor.)
- Olsen, Tinius, Testing Machine Company. (See Lundgren, Jacob, assignor.)
- Olsen, William, Portland, Oreg. Display rack. 1,769,232; July 1.
- Olsen, William C. (See Hedgepeth, Levi L., assignor.)

- Olsen, William R., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,750,685; Mar. 18.
- Olsen, Vernon, et al. (See Olsen, Emil J., assignor.)
- Olsen, Andrew. (See Tufts, L. R., and Olson.)
- Olsen, Andrew, Cleveland, and L. R. Tufts, East Cleveland, assignors to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper-handling machine. 1,745,311; Jan. 28.
- Olsen, Andrew, and W. Holms, Cleveland, Ohio, assignors, by mesne assignments, to The Cleveland Folding Machine Company. Moving deflector. 1,747,384; Feb. 18.
- Olsen, August. (See Borkenhagen, H., and Olson.)
- Olsen, Axel, West Roxbury, Mass. Roller weather strip for doors. 1,783,305; Dec. 2.
- Olsen, Berndt A., assignor to Tacoma Veneer Company, Tacoma, Wash. Apparatus for cooling veneer panels. 1,777,764; Oct. 7.
- Olsen, Carl A., assignor to Clarinda Manufacturing Company, Clarinda, Iowa. Lawn mower. 1,759,412; May 20.
- Olsen, Carl A., F. L. Buch, and T. E. Brooks, assignors to The Lisle Manufacturing Company, Clarinda, Iowa. Shearing and riveting machine. 1,783,445; Dec. 2.
- Olsen, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock nut. 1,749,600; Mar. 4.
- Olsen, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Hob. 1,763,983; June 17.
- Olsen, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Hob. 1,772,634; Aug. 12.
- Olsen, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Hob for cutting roller-chain sprockets. 1,772,635; Aug. 12.
- Olsen, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Machine for forming lock washers. 1,776,663; Sept. 23.
- Olsen, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Relieving machine. 1,778,769; Oct. 21.
- Olsen, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock washer. 1,782,387; Nov. 18.
- Olsen, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Self-locking screw. 1,784,026; Dec. 9.
- Olsen, Carl G., assignor to Shakeproof Lock Washer Company, Incorporated, Chicago, Ill. Mechanism for forming lock washers. 1,785,281; Dec. 16.
- Olsen, Clarence T., Chicago, and E. P. Schmidt, Hollywood, Ill. Lathe center. 1,747,385; Feb. 18.
- Olsen, Cora P., and H. L. Evans, Rochester, Minn. Prostectomy urinal. 1,758,236; May 13.
- Olsen, Elmer D., Grand Island, and W. A. Horton, Hastings, Nebr.; said Olson assignor to H. B. Horton, Des Moines, Iowa, and C. E. Linn, Hastings, Nebr. Poultry marker. 1,780,715; Nov. 4.
- Olsen, Gottfrid. (See Steiner, F. M., and Olson.)
- Olsen, Gottfrid, Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,756,757; Apr. 29.
- Olsen, Gottfrid, Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,765,608; June 24.
- Olsen, Gunner, and E. H. Kehl, Chicago, Ill. Secondary water heater. 1,786,547; Dec. 30.
- Olsen, Gustaf S., New York, N. Y. Reamer. 1,774,152; Aug. 26.
- Olsen, Gustave E. (See Hoffman, G. H., and Olson.)
- Olsen, Halfdan G., Chicago, Ill. Gas-cock lock. 1,769,900; July 1.
- Olsen, J. A., Company. (See La Tessa, Tully, assignor.)
- Olsen, John A., assignor to R. M. Olson, Cleveland, Ohio. Fluid sealing means. 1,754,764; Apr. 15.
- Olsen, John B. (See Markey, G. T., and Olson.)
- Olsen, John B., assignor, by mesne assignments, to James Manufacturing Company, Fort Atkinson, Wis. Frame for cattle stalls. 1,745,582; Feb. 4.
- Olsen, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Poultry waterer. 1,786,024; Dec. 23.
- Olsen, John B., and G. T. Markey, assignors to James Manufacturing Company, Fort Atkinson, Wis. Feeding apparatus. 1,785,785; Dec. 23.
- Olsen, John B., and R. R. Young, assignors to James Manufacturing Company, Fort Atkinson, Wis. Heater for poultry houses and analogous purposes. 1,756,379; Apr. 29.
- Olsen, John O., St. Paul, Minn. Manufacturing radiators and similar articles. 1,742,556; Jan. 7.
- Olsen Manufacturing Company. (See Hanson, Casper F., assignor.)
- Olsen, Minnie S., Minneapolis, Minn. Auxiliary seat for automobiles. 1,742,822; Jan. 7.
- Olsen, Nels L., Highland Park, Mich., assignor to American Rubber Products Corporation. Molding apparatus. 1,750,424; Mar. 11.
- Olsen, Nicholas J. N., Minneapolis, Minn. Automobile camp shelter. 1,752,571; Apr. 1.
- Olsen, Olof. (See Palmer, Walter T., assignor.)
- Olsen, Olof R., Kansas City, Mo. Attachment for cutting and flanging machines. 1,775,864; Sept. 16.
- Olsen, Paul H., St. Paul, Minn. Hot-water boiler. 1,770,217; July 8.
- Olsen, Paul H., St. Paul, Minn. Heating boiler. 1,773,115; Aug. 19.
- Olson, Peter, Oak Park, assignor to Samuel Olson & Company, Inc., Chicago, Ill. Automatic safety control for conveyers. 1,763,812; June 17.
- Olson, Robert L. (See Husk, J. W., and Olson.)
- Olson, Ruth M. (See Olson, John A., assignor.)
- Olson, Samuel, Oak Park, assignor to Samuel Olson & Company, Chicago, Ill. Automatic counting and grouping mechanism for conveyers. 1,752,540; Apr. 1.
- Olson, Samuel, Oak Park, assignor to Samuel Olson & Company, Inc., Chicago, Ill. Refuse chute. 1,766,141; June 24.
- Olson, Samuel, Oak Park, assignor to Samuel Olson & Company Inc., Chicago, Ill. Automatic transfer mechanism for conveyers. 1,766,142; June 24.
- Olson, Samuel, assignor of one-fifth to W. F. Smith, one-fifth to P. Van Horne, one-fifth to Raynor F. Starr, one-fifth to O. T. Weber, and one-fifth to Samuel Olson & Company, Chicago, Ill. Dish-drying apparatus. 1,765,996; June 24.
- Olson, Samuel, & Company. (See Olson, Peter, assignor.)
- Olson, Samuel, & Company. (See Olson, Samuel, assignor.)
- Olson, Samuel, & Company, et al. (See Olson, Samuel, assignor.)
- Olson, Thomas C. (See Butzen, T. F., and Olson.)
- Olson, Victor, Little Falls, Minn. Tag. 1,748,616; Feb. 25.
- Olsson, Alfred, Guytasa, Sweden. Combined cultivator harrow. 1,782,934; Nov. 25.
- Olsson, Anders H., Lidkoping, Sweden. Smoking pipe. 1,770,745; July 15.
- Olsson, Anders H. and P. D. Peterson, Lidkoping, Sweden. Alarm apparatus for the prevention of gas poisoning. 1,783,974; Dec. 9.
- Olsson, John I., Bofors, and G. U. A. Hult, Stockholm, Sweden. Arrangement in locking nuts. 1,742,722; Jan. 7.
- Oltsik, Irving. (See Kushlin, Kesner, and Oltsik.)
- Olvis, James E., Los Angeles, Calif. Coin selector. 1,750,686; Mar. 18.
- Olvis, James E., Los Angeles, Calif. Coin-controlled door lock. 1,751,288; Mar. 18.
- O'Malley, Frank T. (See Helmbold, M. L., and O'Malley.)
- Oman, Carl, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,764,339; June 17.
- Oman, Carl, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Maximum-demand meter. 1,764,340; June 17.
- Oman, Carl W., assignor to The Smith & Winchester Mfg. Co., South Windham, Conn. Multiply-valve-bag machine. 1,745,312; Jan. 28.
- O'Massey, Richard H., assignor of one-half to E. Padia, Denver, Colo. Aeroplane. 1,782,878; Nov. 25.
- O'Meara, Thomas J. (See Lockhart, W. K., and O'Meara.)
- O'Meara, Thomas J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,779,982; Oct. 28.
- Omey, John W., assignor to Packard Motor Car Company, Detroit, Mich. Lapping and grinding device. 1,755,965; Apr. 22.
- "Omo" Aktiengesellschaft. (See Oberhaensli, Friedrich, assignor.)
- Omo, Frank J., New York, N. Y. Internal-combustion engine. 1,775,108; Sept. 9.
- Omoto, Bunnosuke, Green River, Wyo. Automobile tire. Des. 81,719; July 29.
- O'Neal, Frank, Philadelphia, Pa., assignor, by mesne assignments, to The Hump Hairpin Manufacturing Co., Chicago, Ill. Means for retaining bobbed hair. 1,751,596; Mar. 25.
- O'Neale, Malcolm L., assignor to Fairmont Mining Machinery Company, Fairmont, W. Va. Conveying apparatus. 1,776,568; Sept. 23.
- Oneida Community, Limited. (See Allen, Grosvenor N., assignor.)
- Oneida Community, Limited. (See Allen, G. N., and Bennett, assignors.)
- Oneida Community, Limited. (See Allen, G. N., and Helander, assignors.)
- Oneida Community, Limited. (See Allen, G. N., and Kreps, assignors.)
- Oneida Community Limited. (See Allen G. N., and Parker, assignors.)
- Oneida Community, Limited. (See Allen, G. N., Parker, and Kreps, assignors.)
- Oneida Community, Limited. (See Allen, G. N., Parker, and Price, assignors.)
- Oneida Community, Limited. (See Bailey, R. O., and Murray, assignors.)
- Oneida Community, Limited. (See Burnham, Chester W., assignor.)
- Oneida Community, Limited. (See Gray, D., Bailey, and Murray, assignors.)
- Oneida Community Limited. (See Murray, William S., assignor.)
- Oneida Community, Limited. (See Solbert, J. C., Langenberg, and Sawtelle, assignors.)
- Oneida Community, Limited. (See Waldman, George H., assignor.)
- O'Neil, Arthur S., and A. G. Schuricht, Alton, assignors to Western Cartridge Company, East Alton, Ill. Cartridge wad and making the same. 1,771,897; July 29.

- O'Neil, Arthur S., A. G. Schuricht, and J. M. Olin, Alton, assignors to Western Cartridge Company, East Alton, Ill. Cartridge shell and making the same. 1,771,898; July 29.
- O'Neil, Cornelius J., Oak Park, Ill. Ornamenting surfaces. 1,784,495; Dec. 9.
- O'Neil, Fred, Redlands, Calif. Glove. 1,763,813; June 17.
- O'Neil, James A., Hanna, Wyo. Coal-loading device. 1,752,453; Apr. 1.
- O'Neil, James A., Lynn, Mass., assignor to General Electric Company. Lamp structure. 1,774,452; Aug. 26.
- O'Neil, James A., Lynn, Mass., assignor to General Electric Company. Clamping device. 1,778,642; Oct. 14.
- O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for closing vacuumized containers. 1,761,488; June 3.
- O'Neil, James R., San Francisco, Calif. Lighter. Des. 81,806; Aug. 12.
- O'Neil, Matthew G., Dallas, Tex. Apparatus for the compression and storage of air and for creating vacuums. 1,768,923; July 1.
- O'Neil, Reuben F., Oakland, Calif. Filing apparatus. 1,776,268; Sept. 23.
- O'Neil, Thomas A., Clifton, Ariz. Air shovel. 1,747,258; Feb. 18.
- O'Neill, Benjamin A., assignor to Schutz-O'Neill Company, Minneapolis, Minn. Pulverizing machine. 1,765,309; June 17.
- O'Neill, Clarence B., Clymer, Pa. Water-level indicator. 1,751,016; Mar. 18.
- O'Neill, Edward J., Syracuse, assignor to Sterilek Company, Inc., Brooklyn, N. Y. Machine for cutting angular ends. 1,784,494; Dec. 9.
- O'Neill, Edward T., East Cleveland, assignor to The Enamel Products Company, Cleveland, Ohio. Table top. Des. 80,286; Jan. 7.
- O'Neill, Eugene F. (See Bashe, C. E., and O'Neill.)
- O'Neill, Frank, Toledo, Ohio. Glassware-forming apparatus. 1,758,085; May 13.
- O'Neill, Frank, jr., New York, N. Y. Disk-form bottle closure. 1,760,279; May 27.
- O'Neill, Frank, jr., assignor to Empire Hood Seal Corporation, New York, N. Y. Bottle closure. 1,766,679; June 24.
- O'Neill, Henry W., Elmhurst, N. Y. Chronographic system. 1,762,791; June 10.
- O'Neill, Henry W., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system. 1,780,937; Nov. 11.
- O'Neill, Joseph A., New York, N. Y. Blade holder. 1,755,791; Apr. 22.
- O'Neill, Timothy J., New York, N. Y. Window cleaner. 1,758,530; May 13.
- O'Neill, William J., River Forest, assignor to E. J. Mercil, Oak Park, Ill. Insulated conductor. 1,765,734; June 24.
- Ong, Harold R., Champaign, Ill. Revolving lathe center. 1,751,711; Mar. 25.
- Onorato, Luigi, Philadelphia, Pa. Tailor's square. 1,776,393; Sept. 23.
- Oonk, Harry, Phoenix, Ariz. Knockdown stove. 1,785,143; Dec. 16.
- Oosterhuis, Ekko. (See Bruijnes, J., van der Hoeven, and Oosterhuis.)
- Opel, William G., McKeesport, Pa. Gear-wheel puller. 1,787,016; Dec. 30.
- Open E-Z Crown Co. Inc. (See Darling, Frank L., assignor.)
- Open Hearth Combustion Company. (See Danforth, George L., jr., assignor.)
- Open Hearth Combustion Company. (See Danforth, G. L., jr., and Peterson, assignors.)
- Open Hearth Combustion Company. (See Dougherty, Robert S. A., assignor.)
- Open Hearth Combustion Company. (See Keller, Albert T., assignor.)
- Open Hearth Combustion Company. (See McDonnell, Edward J., assignor.)
- Open Hearth Combustion Company. (See Orth, Frank, assignor.)
- Open Hearth Combustion Company. (See Smythe, Horace E., assignor.)
- Open Hearth Combustion Company. (See Stevens, Richard H., assignor.)
- Operadio Manufacturing Co. (See Stone, John McW., assignor.)
- Opitz, Bernhard O. (See Myers, W. R., and Opitz.)
- Opitz, Georg, Berlin, Germany. Letter-of-credit form.
- Oplinger, Kirk A., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical transforming system. 1,764,341; June 17.
- Oppé, Alfred, Aachen, Germany. Obtaining solid mixtures of alkali-metal hypochlorite and alkali-metal chloride. 1,748,897; Feb. 25.
- Oppe, Charles, assignor to The G & O Manufacturing Company, New Haven, Conn. Radiator. 1,777,675; Oct. 7.
- Oppe, Charles, New Haven, assignor to The G & O Manufacturing Company, New Haven, Conn. Engine-cooling radiator. 1,784,878; Dec. 16.
- Oppenheim, Jesse, New York, N. Y. Hairdressing accessory. 1,775,209; Sept. 9.
- Oppenheim, Jesse, New York, N. Y. Hairdressing accessory. 1,780,766; Nov. 4.
- Oppenheim, Theodore H., assignor to The New Idea Spreader Company, Coldwater, Ohio. Transplanter. 1,753,017; Apr. 1.
- Oppenheim, Theodore H., and B. Selhorst, assignors to The New Idea Spreader Co., Coldwater, Ohio. Gear case. 1,748,521; Feb. 25.
- Oppenheim, Theodore H., and B. Selhorst, assignors to The New Idea Spreader Co., Coldwater, Ohio. Feed table. 1,762,885; June 10.
- Oppenheimer, Edgar A., Chicago, Ill. Stamp pad. 1,770,424; July 15.
- Opperman, August H., Indianapolis, Ind. Hair-waving apparatus. 1,747,787; Feb. 18.
- Opperman, August H., Indianapolis, Ind. Hair-waving apparatus. 1,768,924; July 1.
- Opperman, August H., Indianapolis, Ind. Hair-waving apparatus. 1,786,313; Dec. 23.
- Opperman, Frederick, Greenwich, Conn. Flushing apparatus. 1,753,997; Apr. 8.
- Opperman, Frederick, Greenwich, Conn. Flushing apparatus. 1,778,867; Oct. 21.
- Oppermann, John, New York, N. Y. Collar stiffener. 1,751,655; Mar. 25.
- Optische Anstalt C. P. Goerz Aktiengesellschaft. (See von Hofe, Christian, assignor.)
- Orafsik, Maximilian J., Chicago, Ill. Ice skate. 1,749,298; Mar. 4.
- Orange-Crush Company. (See Repenning, Albert E., assignor.)
- Orange-Crush Company. (See Repenning, A. E., and Howell, assignors.)
- Orange Lighting Fixture Manufacturing Co. (See Greer, William R., jr., assignor.)
- Orange Lighting Fixture Manufacturing Company. (See Greer, W. R., jr., and Walker, assignors.)
- Orange Roller Bearing Company. (See Darby, George A., assignor.)
- Orange Screen Company. (See Milone, Louis J., assignor.)
- Oransky, Sidney, Des Moines, Iowa. Card holder and the like. 1,751,656; Mar. 25.
- Orbin, George, assignor of one-half to N. Franchetti, Smock, Pa. Resilient wheel. 1,753,131; Apr. 1.
- Orbon Stove Co. (See Fleer, Harry H., assignor.)
- Orchestraphone Company. (See Cloud, Raymond T., assignor.)
- Orcutt, Arthur H., and J. W. Snarry, assignors to The Gear Grinding Company Limited, Birmingham, England. Grinding machine and other machine tool. 1,749,258; Mar. 4.
- Orcutt, Arthur H., and J. W. Snarry, assignors to The Gear Grinding Company Limited, Birmingham, England. Machine for grinding or cutting toothed gear wheels or other analogous objects. 1,756,876; Apr. 29.
- Orcutt, Charles C. (See Saviano, Nicola, F., assignor.)
- Orcutt, Paul C. (See Doty, J. O., and Orcutt.)
- Ord, Percy R., assignor to Eastman Kodak Company, Rochester, N. Y. Making lenticular-film-embossing rollers. 1,757,543; May 6.
- Ordway, Clara E., Chicago, Ill. Type gauge. 1,744,411; Jan. 21.
- Ordway, Donald P. (See Sherman, H. B., and Ordway.)
- Ordway, Donald P., assignor to American Stamping Co., Battle Creek, Mich. Grease-chamber closure and grease cup. 1,770,280; July 8.
- Ordway, Perley W. (See Marston, C. J., and Ordway.)
- Oreggia, Vittorio, San Remo, Italy. Closure for boxes and cases. 1,781,243; Nov. 11.
- O'Reilly, Francis, San Francisco, Calif. Rotary concrete mixer. 1,767,809; June 24.
- Orellind, John R., Moline, Ill., assignor, by mesne assignments, to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Wide-spread beater. 1,777,127; Sept. 30.
- Orem, Frederick S., Baltimore, Md. Air cleaner. 1,745,950; Feb. 4.
- Orem, Frederick S., Baltimore, Md. Air cleaner. 1,756,758; Apr. 29.
- Orenstein, Max, Berlin, Germany. Continuous soldering. 1,783,134; Nov. 25.
- Orent, Solomon J. (See Duce, B. J., and Orent.)
- Orford Soap Company, The. (See McIntyre, Rex W., assignor.)
- Orgovan, Alexander, et al. (See Eggers, Heinrich, assignor.)
- Orioka, Sadama, Honolulu, Hawaii. Adjustable headlight for automobiles. 1,745,313; Jan. 28.
- Orkin, Harry I., New York, N. Y. Brush holding and cleaning device. 1,748,789; Feb. 25.
- Orkla Grube-Aktiebolag. (See Lenander, Nils E., assignor.)
- Orloff, Arthur, assignor to Northwest Engineering Corporation, Green Bay, Wis. Excavator trip. 1,762,523; June 10.
- Orloff, Arthur, assignor to Northwest Engineering Corporation, Green Bay, Wis. Back digger. 1,785,942; Dec. 16.
- Orlow, Ernest M., Wauwatosa, Wis. Sleeve construction for coats. 1,760,434; May 27.
- Orme, Wilber L., Cambridge, Ohio. Goblet or similar article. Des. 80,580; Feb. 25.
- Ormsbee, Willard A., Taunton, Mass., assignor to Taunton Pearl Works, Inc. Collar holder. Des. 82,051; Sept. 16.
- Ormsby, Charles D., assignor to G. H. Carson, Toronto, Ontario, Canada. Automatic fire alarm. 1,775,777; Sept. 16.

- Ormsby, Donald D., and J. Swinscoe, Syracuse, N. Y., assignors to General Motors Research Corporation, Detroit, Mich. Adjusting device. 1,761,934; June 3.
- Ormsby, Erle, assignor to Central Mine Equipment Company, St. Louis, Mo. Blasting cartridge. 1,757,382; May 6.
- Ornamental Brass Shops. (See Truesbury, Eugene D., assignor.)
- Ornauer, Gustave J., et al. (See Minium, Abram E., assignor.)
- Ornberg, Ivan, assignor to Hupp Motor Car Corporation, Detroit, Mich. Tie-bar construction for vehicles. 1,770,547; July 15.
- Orndoff, Herbert W., assignor to The E. V. Benjamin Co., Inc., New Orleans, La. Clamping device for web-cutting machines. 1,745,442; Feb. 4.
- Orndoff, Herbert W., assignor to The E. V. Benjamin Co., Inc., New Orleans, La. Justifying means for use in connection with printing and similar devices. 1,745,443; Feb. 4.
- Orndoff, Herbert W., assignor to The E. V. Benjamin Co., Inc., New Orleans, La. Clamping device. 1,745,444; Feb. 4.
- Orndoff, Herbert W., assignor to The E. V. Benjamin Co., Inc., New Orleans, La. Gripping device. 1,749,601; Mar. 4.
- Orndoff, Herbert W., assignor to The E. V. Benjamin Co., Inc., New Orleans, La. Folding device. 1,754,038; Apr. 8.
- Orndoff, Herbert W., assignor to The E. V. Benjamin Co., Inc., New Orleans, La. Bag-turning machine. 1,782,935; Nov. 25.
- Ornitz, Nathaniel B., Pittsburgh, assignor to The Babcock & Wilcox Tube Company, Beaver Falls, Pa. Coating articles with enamel. 1,762,239; June 10.
- Oro-Tone Company, The. (See Grass, Otto R., assignor.)
- O'Rourke, John, South Bend, Wash. Clam-digger fork. 1,763,176; June 10.
- O'Rourke, John A., Darby, Pa. Rear-vision periscope. 1,745,862; Feb. 4.
- O'Rourke, John F., New York, N. Y. Diving apparatus. 1,785,528; Dec. 16.
- O'Rourke, Tex., assignor to Card Display Inc., New York, N. Y. Display device. Des. 82,688; Dec. 2.
- Orr, Claude L., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Six-wheel-truck construction. 1,749,715; Mar. 4.
- Orr, Claude L., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Six-wheel-truck construction. 1,758,329; May 13.
- Orr, Elijah C., assignor to Orr Saw Tooth Grinder Co., Seattle, Wash. Inserted-tooth saw. 1,752,541; Apr. 1.
- Orr, Elijah C., assignor to Orr Saw Tooth Grinder Co., Seattle, Wash. Inserted tooth for saws. 1,786,959; Dec. 30.
- Orr, Fingal C., Glendale, Calif. Water sprinkler. 1,751,879; Mar. 25.
- Orr, Mary L., Hauppauge, N. Y. Legging. 1,765,609; June 24.
- Orr, Matthew, Dillon, Mont. Airplane wing. 1,787,321; Dec. 30.
- Orr, Max M., and C. E. Doney, Minneapolis, Minn. Display case. Des. 80,738; Mar. 18.
- Orr, Paul L., Wilkesburg, Pa. Electrode holder. 1,781,930; Nov. 18.
- Orr Saw Tooth Grinder Co. (See Orr, Elijah C., assignor.)
- Orr, William V., Cleveland Heights, Ohio. Centrifugal drier. 1,757,585; May 6.
- Orsenigo, Henry, Mount Vernon, N. Y. Automobile body. Des. 81,310; June 3.
- Orsenigo, Henry, Mount Vernon, N. Y. Automobile body. Des. 81,311; June 3.
- Orsett, Coy, Boston, Mass. Flying machine. 1,763,409; June 10.
- Orth, Frank, Indiana Harbor, Ind., assignor, by mesne assignments, to Open Hearth Combustion Company. Open-hearth furnace and method of heat generation. 1,769,853; July 1.
- Orth, Frank, Indiana Harbor, Ind., assignor, by mesne assignments, to Open Hearth Combustion Company. Open-hearth furnace and the like. 1,769,854; July 1.
- Orth, William. (See Martin, C. A., and Orth.)
- Orthmann, August C., assignor to Pfister & Vogel Leather Co., Milwaukee, Wis. Unhairing agent. 1,763,319; June 10.
- Ortiz, José A., New York, N. Y. Snow-hauling truck. 1,785,423; Dec. 16.
- Ortner, John F., Buffalo, N. Y. Carton-filling device. 1,760,959; June 3.
- Orton, Ernest W., Mountain View, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Gate valve. 1,769,386; July 1.
- Orton, Ernest W., Mountain View, and C. V. Foulds, Berkeley, assignors to The Pelton Water Wheel Company, San Francisco, Calif. Valve control system. 1,751,098; Mar. 18.
- Orzel, Paul, New York, N. Y. Templet-holding stand for use with cutting torches. 1,768,857; July 1.
- Osage Price Indicator Company. (See Elsey, Walter H., assignor.)
- Osann, Frederick, Company. (See Hohmann, Richard K., assignor.)
- Osbeck, Elmer C. (See Roedding, G. E., and Osbeck.)
- Osborn, Alden E., New York, N. Y. Automatic slack adjuster. 1,755,305; Apr. 22.
- Osborn, Chesley E., Pasadena, Calif. Lamp globe. Des. 81,451; June 24.
- Osborn, Chesley E., Pasadena, Calif. Frame for a lamp globe. Des. 81,452; June 24.
- Osborn, Frederick J., and N. F. Wood, Gosport, England. Frame and steering means for motor cycles and like vehicles. 1,780,034; Oct. 28.
- Osborn, George G., et al. (See Bishop, John, assignor.)
- Osborn, George S., Hartford, Conn. Rubber mat. 1,756,380; Apr. 29.
- Osborn, George W., Cleveland, Ohio. Inclined gauge. 1,743,230; Jan. 14.
- Osborn, George W., Cleveland, Ohio. Gauge light. 1,749,299; Mar. 4.
- Osborn, Howard H., assignor to H. G. Fischer & Co., Chicago, Ill. Spark gap. 1,764,279; June 17.
- Osborn, Jesse C. (See Anderson, C. A., and Osborn.)
- Osborn, Jason H., and J. F. Goodrich, Hayden Junction, Ariz. Combined humidifier and air washer. 1,771,814; July 29.
- Osborn Manufacturing Company, The. (See Carman, Edwin S., assignor.)
- Osborn Manufacturing Company, The. (See Oyster, E. F., and Gilliland, assignors.)
- Osborn, Roy T. (See Corner, A. F., and King, assignors.)
- Osborn, William H., Harrison, N. Y. Pressure gauge. 1,754,963; Apr. 15.
- Osborn, Zoe S., Colorado Springs, Colo. Store front. 1,756,099; Apr. 29.
- Osborne, David H., Jeffersonville, Pa., assignor, by mesne assignments, to Electric Service Supplies Company, Philadelphia, Pa. Insulator. 1,758,462; May 13.
- Osborne, David H., Jeffersonville, assignor, by mesne assignments, to Electric Service Supplies Company, Philadelphia, Pa. Coupling for wires and cables. 1,776,795; Sept. 30.
- Osborne, George W., North Kansas City, Mo. Sales-indicating mechanism. 1,758,330; May 13.
- Osborne, John L., assignor to General Railway Signal Company, Rochester, N. Y. Bearing. 1,785,702; Dec. 16.
- Osborne, Lonnie E. (See Lower, N. M., Osborne, and Turner.)
- Osborne, Mark V., Massillon, Ohio. Loud-speaker. 1,748,790; Feb. 25.
- Osborne Process, Inc. (See Osborne, William L., assignor.)
- Osborne, Ralph W., Toronto, Ontario, Canada. Protection of electrical conductors from extraneous electrical potential. 1,773,238; Aug. 19.
- Osborne, Ralph W., Toronto, Ontario, Canada. Communicating system. 1,785,972; Dec. 23.
- Osborne, William F., Westwood, N. J. Fluid-testing device and apparatus. 1,746,791; Feb. 11.
- Osborne, William L., assignor to Osborne Process, Inc., Los Angeles, Calif. Cleaning lubricant cases of engines. 1,751,053; Mar. 18.
- Osbourne, Alan. (See Taylor, L. A., and Osbourne.)
- Osbrink, Raymond H., Los Angeles, Calif. Flower holder. Des. 82,173; Sept. 30.
- Osburn, Harry G., Owosso, Mich. Binding strip. 1,777,730; Oct. 7.
- Osgood Bradley Car Company. (See Turner, Charles H., assignor.)
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Feed mechanism. 1,759,021; May 20.
- Osgood, Charles F., Claremont, N. H., assignor, to Sullivan Machinery Company. Drilling mechanism. 1,760,316; May 27.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,761,310; June 3.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Hoist. 1,762,696; June 10.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Rock-drilling mechanism. 1,774,035; Aug. 26.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,785,973; Dec. 23.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,785,974; Dec. 23.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,786,259; Dec. 23.
- Osgood, Charles R., Monroe, Mich. Straw wilter. 1,754,522; Apr. 15.
- Osgood, Frederick M., Boston, assignor to Tilton & Cook Co., Leominster, Mass. Trick egg toy. 1,763,814; June 17.
- Osgood, George H., Tacoma, Wash. Light. 1,778,120; Oct. 14.
- Osgood, Louis A., Hartford, Conn., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,782,125; Nov. 18.
- Osgood, Louis A., Dayton, and E. E. Wolf, Springfield, assignors, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Automatic recording scale. 1,749,192; Mar. 4.
- Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Lubricator. 1,759,463; May 20.
- Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,765,694; June 24.

- Osgood, Samuel H., Denver, Colo. Threading tool. 1,779,074; Oct. 21.
- O'Shea Knitting Mills. (See King, William C., assignor.)
- Oshel, William E., Buffalo, N. Y. Oil-change indicator for motor vehicles. Des. 80,800; Mar. 25.
- Oshkosh Trunk Company. (See Bartlett, John H., jr., assignor.)
- Osinga, Thomas J., Chicago, Ill. Plumb protector for elevator guides. 1,780,501; Nov. 4.
- Oslund, Charles H., Worcester, Mass., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Label gripper for duplex labeling machines. 1,749,716; Mar. 4.
- Oslund, Charles H., Worcester, Mass., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Labeling device. 1,757,209; May 6.
- Oslund, Charles H., Worcester, Mass., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Timing device. 1,770,530; July 15.
- Osman, Ralph T., Mansfield, Ohio. Clutch control. 1,744,494; Jan. 21.
- Osman, Ralph T., Ames, Iowa. Self-propelled vehicle. 1,773,496; Aug. 19.
- Osman, Ralph T., Mansfield, Ohio. Frame attachment for tractors. 1,779,142; Oct. 21.
- Osman, Ralph T., Mansfield, Ohio. Vehicle dump body. 1,784,464; Dec. 9.
- Osmer, James H. (See Ziser, G. J., and Osmer.)
- Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High-frequency control system. 1,745,378; Feb. 4.
- Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio system. 1,748,726; Feb. 25.
- Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Hallesches, Berlin, Germany. Wireless system. 1,757,330; May 6.
- Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for frequency changing. 1,762,346; June 10.
- Osnos, Mendel, and R. Kummich, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Frequency changer for short waves. 1,744,668; Jan. 21.
- Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation arrangement. 1,772,841; Aug. 12.
- Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement and method adapted to control high-frequency circuits. 1,775,210; Sept. 9.
- Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation of static frequency changer current. 1,778,724; Oct. 21.
- Osolin, Alfred. (See Hopkins, J. C., and Osolin.)
- Ossanna, J., and H. Graner, Munich, and F. Hofmann, Munich-Talkirchen, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Cascade-regulating set for asynchronous machines. 1,770,625; July 15.
- Ossanna, Johann, and H. Graner, Munich, and F. Hofmann, Munich-Talkirchen, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Arrangement and method for regulating asynchronous machines. 1,777,211; Sept. 30.
- Ossenbeck, A. (See Schepss, W., Tietze, and Ossenbeck.)
- Ossing, Stanley F., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Safety device. 1,772,321; Aug. 5.
- Ost, Frederick A., Inglewood, assignor to E. M. Smith, Los Angeles, Calif. Cutting torch. 1,745,115; Jan. 28.
- Ost, Frederick A., Inglewood, assignor, by mesne assignments, to National Tool and Metals, Inc., Torrance, Calif. Slot cutter. 1,752,690; Apr. 1.
- Ost, John A., Los Angeles, Calif. Bun-cutting machine. 1,766,450; June 24.
- Ostberg, Karl G., Stockholm, Sweden. Valve gear, particularly for internal-combustion motors. 1,763,563; June 10.
- Ostby, Hans. (See Bennett, J. G., and Ostby.)
- Osten, James H., White City, Kans. Post driving head. 1,764,223; June 17.
- Ostenberg, Charles H. (See Fugle, C. H., Ostenberg, Maglein, and Trudo.)
- Ostenberg, Charles H. (See Fugle, C. H., Ostenberg, Maglein, Trudo, and Newton.)
- Oster, John, Racine, Wis. Hand hair clipper. 1,749,543; Mar. 4.
- Oster Manufacturing Company, The. (See Hyde, Ralph E., assignor.)
- Oster Manufacturing Company, The. (See Hyde, R. E., and Scheppl, assignors.)
- Osterby, Wayne, Astoria, Oreg. Fireman's hose spanner and scaling hook. 1,784,535; Dec. 9.
- Osterhaut, Fred C. (See Oglevee, Isaac N., assignor.)
- Osterlind, August F., deceased, St. Paul, Minn.; F. H. Osterlind and J. A. Jacobson, administrators. Making calendars. 1,751,752; Mar. 25.
- Osterlind, Frank H., et al., administrators. (See Osterlind, August F.)
- Osterman, Philip C. (See Machlet, A. W., and Osterman.)
- Osterman, Samuel, Bronx, N. Y. Lamp socket. 1,750,965; Mar. 18.
- Ostermayer, Robert W., Pittsburgh, Pa., assignor to Neville Chemical Company. Preparing coumarone-indene resins. 1,770,281; July 8.
- Ostermayer, Robert W., Pittsburgh, Pa., assignor to Neville Chemical Company. Preparing coumarone-indene resins. 1,770,282; July 8.
- Ostermayer, Robert W., Pittsburgh, Pa., assignor to Neville Chemical Company. Preparing coumarone-indene resins. 1,770,283; July 8.
- Ostermayer, Walter, Berlin-Schöneberg, Germany. Control device for electric illuminated signs. 1,755,267; Apr. 22.
- Ostermeier, Johannes, Althegnenberg, Germany. Flash lamp. 1,776,637; Sept. 23.
- Osterreichische Telephon-Fabrik-Aktiengesellschaft vormals J. Berliner. (See Brandt, Walter, assignor.)
- Ostertag, Julius, Stuttgart, Germany. Purification system for boilers. Re17,658; May 6.
- Ostler, Ernest S., assignor to Stromberg Electric Company, Chicago, Ill. Clock-controlled contact device. 1,763,252; June 10.
- Ostler, Ernest S., Chicago, Ill., assignor, by mesne assignments, to Stromberg Electric Company. Transmission device. 1,767,472; June 24.
- Ostler, Ernest S., Chicago, Ill., assignor, by mesne assignments, to Stromberg Electric Company. Secondary wall clock. 1,773,152; Aug. 19.
- Ostler, Ernest S., Chicago, Ill., assignor, by mesne assignments, to Stromberg Electric Company. Time stamp. 1,777,889; Oct. 7.
- Ostline, John E., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,745,037; Jan. 28.
- Ostline, John E., Liverpool, England, assignor to Automatic Electric Inc., Chicago, Ill. Rotary line switch. 1,757,681; May 6.
- Ostline, John E., Liverpool, England, assignor, by mesne assignments, to Associated Telephone & Telegraph Company, Kansas City, Mo. Telephone system. 1,763,901; June 17.
- Ostline, John E., Berwyn, Ill., assignor to Associated Telephone & Telegraph Company, Kansas City, Mo. Telephone system. 1,777,049; Sept. 30.
- Ostline, John E., T. R. Rayner, and T. P. Preist, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,774,335; Aug. 26.
- Ostrander, Edward W., Coeymans, N. Y. Brick crate. 1,774,839; Sept. 2.
- Ostrander & Eshleman, Inc. (See Schoemer, John R., assignor.)
- Ostrander, John E., Greenwich, Conn. Ice creeper. 1,757,919; May 6.
- Ostrander, William H., assignor to Novelties Incorporated, Chicago, Ill. Cardcase. 1,763,857; June 17.
- Ostricher, Edwin D., Woodbury, Ga., assignor to The Hills Brothers Company, New York, N. Y. Fruit holder. 1,749,224; Mar. 4.
- Ostro Research Laboratories, Inc. (See Ostromislensky, Iwan, assignor.)
- Ostrolenk, Samuel, Pittsburgh, Pa., assignor to Westinghouse Electric & Mfg. Company. Remote metering system. 1,750,242; Mar. 11.
- Ostromislensky, Iwan, assignor to Ostro Research Laboratories, Inc., New York, N. Y. Alkyl-phenyl ether. 1,785,327; Dec. 16.
- O'Stroske, Frank J., Columbus, Ohio. Valve. 1,784,381; Dec. 9.
- Ostrovsky, Harry, Bryn Athyn, Pa. Attachment for stringed musical instruments. 1,775,472; Sept. 9.
- Ostrower, Harry, Brooklyn, N. Y. Buckle. 1,775,137; Sept. 9.
- Ostrowski, Benjamin F., San Francisco, Calif. Electric hair curler. 1,762,792; June 10.
- O'Sullivan, Patrick J., New York, N. Y., assignor to Blaisdell Pencil Company, Philadelphia, Pa. Pencil. 1,756,953; May 6.
- O'Sullivan, Patrick J., Brooklyn, N. Y., assignor to Blaisdell Pencil Company, Philadelphia, Pa. Pencil. 1,761,407; June 3.
- Oswald, Alfred E., Hackensack, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Brush for electric motors. 1,743,682; Jan. 14.
- Oswald, Alfred E., Hackensack, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Electric motor. 1,750,122; Mar. 11.
- Oswald, Alfred E., Hackensack, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Electric motor. 1,754,645; Apr. 15.
- Oswald, Alfred E., Hackensack, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Electric motor. 1,762,735; June 10.
- Oswald, Arthur A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Space-discharge system. 1,757,469; May 6.
- Oswald, Arthur A., East Orange, and J. C. Schelleng, Millburn, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Space-discharge system. 1,768,418; June 24.
- Oswald, Arthur A., Maplewood, N. J. and E. J. Sterba, assignors to Western Electric Company, Incorporated, New York, N. Y. Control of electrical conditions. 1,778,725; Oct. 21.

- Oswald, Clyde D., San Bernardino, Calif. Hair-curling machine. 1,781,244; Nov. 11.
- Oswald, Franklin L. (See Morrison, R. A., and Oswald.)
- Oswald, Marcel, Nanterre, France, assignor to Compagnie Lorraine de Charbons pour l'Electricite, Paris, France. Carbon for electro-technical uses and manufacture thereof. 1,783,135; Nov. 25.
- Oswego Board Corporation. (See Wiener, John A., assignor.)
- Oswego Falls Corporation. (See Quade, K. G., and La Beef, assignors.)
- Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)
- Oswego Falls Corporation. (See Wright, W. L., and Bond, assignors.)
- Oswego Falls Corporation. (See Wright, W. L., and Pierce, assignors.)
- Osweld Acetylene Co. (See Mabbs, John K., assignor.)
- Otato Corporation. (See Coulling, J. O. B., and Rylander, assignors.)
- Othmar-Neuscheller, Johanna. (See Ohle, H., and Othmar-Neuscheller.)
- Otis, Albert N., Schenectady, N. Y., assignor to General Electric Company. Door mechanism. 1,752,806; Apr. 1.
- Otis, Albert N., Schenectady, N. Y., assignor to General Electric Company. Furnace. 1,755,072; Apr. 15.
- Otis, Albert N., Schenectady, N. Y., assignor to General Electric Company. Melting pot. 1,776,128; Sept. 16.
- Otis Company. (See De Lancy, Imogene, assignor.)
- Otis Company, Inc. (See De Lancy, Imogene, assignor.)
- Otis, Edward C., Chicago, Ill., assignor, by mesne assignments, to Certain-teed Products Corporation. Shingle stacker. 1,780,716; Nov. 4.
- Otis Elevator Company. (See Boedtcher, Franz A., assignor.)
- Otis Elevator Company. (See Boehme, A. E., and Nestle, assignors.)
- Otis Elevator Company. (See Campbell, Chester C., assignor.)
- Otis Elevator Company. (See Davis, Lee I., assignor.)
- Otis Elevator Company. (See Dunn, Edward L., assignor.)
- Otis Elevator Company. (See Gilroy, Charles J., assignor.)
- Otis Elevator Company. (See Grosvenor, Graham B., assignor.)
- Otis Elevator Company. (See Handy, Arthur E., assignor.)
- Otis Elevator Company. (See Haswell, Arthur J., assignor.)
- Otis Elevator Company. (See Hymans, Frederick, assignor.)
- Otis Elevator Company. (See Jones, Benjamin N., assignor.)
- Otis Elevator Company. (See Knapp, John C., assignor.)
- Otis Elevator Company. (See Lautrup, George W., assignor.)
- Otis Elevator Company. (See Lewis, J. D., Jones, and Schlaf, assignors.)
- Otis Elevator Company. (See Lindquist, D. L., Dunn, and Larson, assignors.)
- Otis Elevator Company. (See Pinto, Anthony, assignor.)
- Otis Elevator Company. (See Schwab, Martin C., assignor.)
- Otis, Gerald E., assignor to The Herman Nelson Corporation, Moline, Ill. Heating and ventilating apparatus. 1,753,156; Apr. 1.
- Otis, Gerald E., assignor to The Herman Nelson Corporation, Detroit, Mich. Heating and ventilating apparatus. 1,753,157; Apr. 1.
- Otis, Joseph E., jr., Winnetka, assignor to Alemite Corporation, Chicago, Ill. Filter. 1,746,274; Feb. 11.
- Otis Manufacturing Company. (See Strausser, Herbert S., assignor.)
- Otis, Spencer, and W. T. Herren, Barrington, assignors to National Boiler Washing Company of Illinois, Chicago, Ill. Coating metal articles with lead. 1,745,185; Jan. 28.
- Otrazasek, Mike, Rosedale Station, Alberta, Canada. Magnetic steel-silver meat scraper. 1,777,765; Oct. 7.
- Ott, Adolf, Recklinghausen, Germany. Arrangement for heating coke ovens. 1,748,187; Feb. 25.
- Ott, Albert J. and C. L., assignors to American Grinder Company, Detroit, Mich. Gear-grinding machine. 1,751,753; Mar. 25.
- Ott, Arthur W., Dubuque, Iowa. Innertube for pneumatic tires. 1,765,093; June 17.
- Ott, Conrad L. (See Ott, Albert J. and C. L.)
- Ott, George S., Barron, Wis. Insulation cutting and scraping tool. 1,771,733; July 29.
- Ott, Joseph O., Niagara Falls, N. Y. Educational appliance. 1,742,781; Jan. 7.
- Ottawa Silica Company. (See Gyger, Joseph, assignor.)
- Otten, Lawrence F., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. End connector for bracelets. 1,760,913; June 3.
- Otten, Lawrence F., Fort Thomas, assignor to The Wadsworth Watch Case Co., Dayton, Ky. Catch clasp for ladies' mesh bracelets. 1,783,306; Dec. 2.
- Ottenheimer, Reuben E., Baltimore, Md. Refrigerator. Des. 81,907; Aug. 26.
- Ottevaere, Constant, Spokane, Wash. Airplane propeller. 1,775,138; Sept. 9.
- Otti, Joseph, Oklahoma City, Okla. Rim tool. 1,772,363; Aug. 5.
- Ottinger, Leon, New York, N. Y. Bushing. Re17,787; Sept. 2.
- Ottinger, Leon, New York, N. Y. Bushing. Re17,788; Sept. 2.
- Ottinger, Leon, New York, N. Y. Mounting for latch handles and the like. 1,745,951; Feb. 4.
- Ottinger, Leon, New York, N. Y. Latch strike. 1,748,613; Feb. 25.
- Ottinger, Leon, New York, N. Y. Tool. 1,750,121; Mar. 11.
- Ottinger, Leon, New York, N. Y. Keeper for latch bolts. 1,778,299; Oct. 14.
- Ottmann, Erich, Weilburg-on-the-Lahn, Germany. Table-utensil clamp. 1,744,669; Jan. 21.
- Otto, Albert T., & Sons. (See Günther, Otto, assignor.)
- Otto, Albert T., & Sons, Inc. (See Jakob, Johann, assignor.)
- Otto, Albert T., & Sons. (See Uhlmann, Alfred, assignor.)
- Otto, Carl, Hellerup, Denmark. Coke oven. 1,748,142; Feb. 25.
- Otto, Carl, Essen-on-the-Ruhr, Germany. Heating coke ovens. 1,748,143; Feb. 25.
- Otto, Carl, Essen-Ruhr, Germany. Coke oven. 1,760,770; May 27.
- Otto, Carl, Essen-Ruhr, Germany. Gas-producing oven. 1,770,285; July 8.
- Otto, Charles D., New York, N. Y. Lubricating device. 1,780,629; Nov. 4.
- Otto, Cliff R., Edmond, Okla. Apparatus for eliminating ice from windshields. 1,780,502; Nov. 4.
- Otto, Fritz, Dusseldorf, Germany. Intermittent gear. 1,748,390; Feb. 25.
- Otto, George W., Collingswood, N. J. Bottle-suspension device. 1,774,840; Sept. 2.
- Otto, John D., Galva, Iowa. Pulling device. 1,774,661; Sept. 2.
- Otto, Marius P. (See Crespi, E., and Otto.)
- Otto, Stuart, Wilton, Conn., and L. Reichert, Brooklyn, N. Y., assignors to Gas Refrigeration Corporation, Scranton, Pa. Boiler absorber for refrigerating machines. 1,764,051; June 17.
- Ottosson, Ernst J., Ystad, assignor to Otto A. Arvastsson, Malmö, and A.-B. Ernst J. Ottossons Elementfabrik, Ystad, Sweden. Preheating device for carburetors. 1,757,920; May 6.
- Ottossons, A.-B. Ernst J. Elementfabrik, et al. (See Ottosson, Ernst J., assignor.)
- Otts, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Optical projection apparatus. 1,771,509; July 29.
- Otts, William J., San Francisco, Calif. Badge. Des. 82,756; Dec. 9.
- Otwell, Ralph B., assignor to Detroit Harvester Company, Detroit, Mich. Winch attachment for tractors. 1,752,962; Apr. 1.
- Otwell, Walter E., Linn, Kans. Radiator cap. 1,760,715; May 27.
- Oudin, Ferdinand, Riverside, and B. H. Skinner, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Clamping device. 1,782,438; Nov. 25.
- Oudin, Ferdinand, Riverside, and B. H. Skinner, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Clamping device. 1,782,439; Nov. 25.
- Oudin, Ferdinand, Riverside, and B. H. Skinner, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Clamping device. 1,782,440; Nov. 25.
- Ouelette, August O., Fort Kent, Me. Tire chain. 1,774,036; Aug. 26.
- Ougheltree, Frank S. (See Lamb, H. W., and Ougheltree.)
- Ougheltree, Frank S. (See Lamb, H. W., Ougheltree, and Lamb.)
- Oursler, Howard B., Pittsburgh, Pa. Nut lock. 1,767,225; June 24.
- Ousdahl, Adolph, Seattle, Wash. Automatic coal burner. 1,785,456; Dec. 16.
- Ousdal, Asbjörn P., Santa Barbara, Calif. Apparatus for utilizing solar radiations for therapeutic purposes. 1,784,382; Dec. 9.
- Outboard Motors Corporation. (See Buehner, William F. A., assignor.)
- Outboard Motors Corporation. (See Evinrude, Ole, assignor.)
- Outboard Motors Corporation. (See Igers, Finn T., assignor.)
- Outboard Motors Corporation. (See Schreil, A., and Hillburn, assignors.)
- Outcalt, Henry J., Warsaw, Ind. Butter-cutting machine. 1,781,075; Nov. 11.
- Outing Manufacturing Company. (See Dewey, Clarence L., assignor.)
- Outwait, Charles. (See Ralph, F. C., and Outwait.)
- Ovaite, David W., Flint, Mich. Telephone stand. 1,766,143; June 24.
- Oven, Frank J., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,748,582; Feb. 25.
- Oven, Frank J., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Gasket. 1,768,995; July 1.
- Oven, Frank J., Chicago, Ill., assignor to Victor Mfg. & Gasket Co. Gasket. 1,770,548; July 15.
- Oven, Frank J., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Gasket. 1,779,616; Oct. 28.

- Overall, Hubert J. R., Bondi, Australia. White-metal alloy. 1,771,899; July 29.
- Overbey, Floyd M., Leavenworth, Kans. Chair. 1,782,763; Nov. 25.
- Overbury, Austin A., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Attachment for calculating machines. 1,783,446; Dec. 2.
- Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and apparatus for making strip shingles. 1,751,945; Mar. 25.
- Overbury, Frederick C., Hillsdale, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass. Method of and machine for edge-coating roofing elements. 1,752,454; Apr. 1.
- Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Thick-butt shingle strip. 1,756,989; May 6.
- Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing element. 1,759,995; May 27.
- Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and apparatus for making strip shingles. 1,765,800; June 24.
- Overholt, Arnold, Medina, Ohio. Portable unloading device. 1,746,127; Feb. 4.
- Overholt, Edwin E. (See Madden, John F., and Overholt.)
- Overland Construction Company, The. (See Lotts, William H., assignor.)
- Overland Products Corporation. (See Zaiden, David, assignor.)
- Overly, Clarence B. (See Blaskewitz, W., and Overly.)
- Overly, W. F., & Sons. (See MacGruder, William W., assignor.)
- Overman Cushion Tire Company. (See Manly, Charles M., assignor.)
- Overman Cushion Tire Company. (See Schoff, A. L., assignor, and Meyer.)
- Overmyer, Charles C., Berkeley, assignor to Krimpwire Company, Oakland, Calif. Apparatus for forming offsets in sheet material. 1,746,864; Feb. 11.
- Overmyer, Clyde H., and G. J., Hartford City, Ind. Pull knob. Des. 82,579; Nov. 18.
- Overmyer, Clyde H. and G. J., Hartford City, Ind. Pull handle. Des. 82,580; Nov. 18.
- Overmyer, George J. (See Overmyer, Clyde H. and G. J.)
- Overpeck, Charles F., and F. M. Allen, Greensburg, Ind. Liquid-dispensing device. 1,768,782; July 1.
- Overshiner, Ellsworth B., assignor of one-half to F. M. Jackson, Chicago, Ill. Electric heater. 1,751,754; Mar. 25.
- Oversmith, Ralph E. (See Gwinn, J. M., jr., and Oversmith.)
- Overstreet, John T., San Antonio, Tex. Well-pumping apparatus. 1,782,310; Nov. 18.
- Overstrom, Gustave A., Pasadena, Calif. Vibrating screen. 1,773,405; Aug. 19.
- Overton, Antoinette E., Houston, Tex. Musical instrument. 1,785,206; Dec. 16.
- Oveson, William, Roseau, Minn. Stump puller. 1,762,073; June 3.
- Oviatt, Milo H., Williams Bay, Wis. Animal-pinioning and jaw-opening device. 1,769,751; July 1.
- Ovtshenikoff, Nicolas, New York, N. Y. Cleaning brush for automobile wheels and fenders. 1,742,929; Jan. 7.
- Owatonna Tool Co. (See Kaplan, Reuben A., assignor.)
- Owe, Aage W., Lysaker, Norway. Recovering oil from fish livers and other similar materials. 1,742,666; Jan. 7.
- Owen, Allen F., Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating vulcanized oils. 1,753,018; Apr. 1.
- Owen, Allison D., Newton Center, Mass. Pedal switch. 1,768,858; July 1.
- Owen Automatic Spring Machinery Company, The. (See Owen, David T., assignor.)
- Owen, Brynar J., Oxford, assignor to Sugar Beet and Crop Driers Limited, London, England. Dehydrating vegetable substances and products of organic character. 1,781,473; Nov. 11.
- Owen, Charles W., et al. (See Kadow, August, assignor.)
- Owen, David T., assignor to The Owen Automatic Spring Machinery Company, Cleveland, Ohio. Machine for fabricating spring structures. 1,756,434; Apr. 29.
- Owen-Dyneto Corporation. (See Doman, Albert E., assignor.)
- Owen, Eugene W., Waupun, Wis. Adjustable curtain support. 1,778,227; Oct. 14.
- Owen, Harvey S. (See Coddington, E. D., Kerler, Black, and Owen.)
- Owen, Henry A., Foxboro, assignor to Davis & Furber Machine Company, North Andover, Mass. Draft-roll construction for spinning frames. 1,757,586; May 6.
- Owen, Henry A., Foxboro, assignor to Davis & Furber Machine Company, North Andover, Mass. Twister tube for spinning frames. 1,770,085; July 8.
- Owen, Ira J., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Brush means for vacuum cleaners. 1,745,863; Feb. 4.
- Owen, Jack M., Long Beach, Calif. Mixer for cement. 1,753,716; Apr. 8.
- Owen, Lake E. (See Van Epp, Paul N., assignor.)
- Owen, Levi F., San Francisco, Calif. String-dispensing device. 1,765,174; June 17.
- Owen, Morris, Oak Park, Ill. Furnace attachment. 1,783,809; Dec. 2.
- Owen, Raymond V., assignor to The Edwin F. Guth Company, St. Louis, Mo. Lighting fixture. Des. 81,470; June 24.
- Owen, Robert. (See Long, J. L., and Owen.)
- Owen, Robert V., New York, N. Y. Automatic electrical switch. 1,754,398; Apr. 15.
- Owen, Robert V., New York, N. Y. Automatic electric switch. 1,766,528; June 24.
- Owen, Seth, Buckley, Wash. Surface-smoothing apparatus. 1,773,060; Aug. 12.
- Owen, Thomas, Cleveland, Ohio, and P. R. Thompson, assignors to Advance-Rumely Company, La Porte, Ind. Tractor. 1,768,645; July 1.
- Owen, Victor H. (See Johnson, Thomas W., assignor.)
- Owen, Wilber, et al. (See Kadow, August, assignor.)
- Owen, William. (See Fox, J. H., and Owen.)
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass-handling apparatus. 1,751,712; Mar. 25.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Machine for severing composite glass and the like. 1,765,846; June 24.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Making composite glass. 1,771,416; July 29.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Machine for rounding the edges of sheets. 1,771,417; July 29.
- Owen, William A., Akron, Ohio. Heel for footwear. 1,781,931; Nov. 18.
- Owen, William A., Toledo, Ohio. Tourniquet. 1,771,689; July 29.
- Owen, William H., Wimbledon, England. Air heater. 1,777,148; Sept. 30.
- Owen, William L., Baton Rouge, La., assignor, by mesne assignments, to the Citizens of the United States. Fermentation process. 1,744,001; Jan. 14.
- Owen, William L., Baton Rouge, La., assignor, by mesne assignments, to the Citizens of the United States. Process for the manufacture of alcohol. 1,748,791; Feb. 25.
- Owens, Arthur G., Golden, British Columbia, assignor to The Trusts and Guarantee Company, Limited, Toronto, Ontario, Canada. Battery for flash lights. 1,774,037; Aug. 26.
- Owens, Charles R., Washington, D. C. Filtering funnel. Re17,641; Apr. 8.
- Owens, Dabney P., Lake Worth, Fla. Attaching means for brake-testing devices. 1,763,564; June 10.
- Owens, Dabney P., Lake Worth, Fla. Odometer for testing vehicle brakes. 1,770,322; July 8.
- Owens Development Corporation. (See Owens, Freeman H., assignor.)
- Owens, Frank R., Beaver Crossing, Nebr. Parachute. 1,777,934; Oct. 7.
- Owens, Freeman H., New York, N. Y. Film sprocket. 1,750,940; Mar. 18.
- Owens, Freeman H., New York, N. Y. Talking-picture apparatus. Re17,876; Nov. 18.
- Owens, Freeman H., New York, N. Y. Talking-picture apparatus. 1,753,530; Apr. 8.
- Owens, Freeman H., New York, N. Y. Color-screen accessory for cameras. 1,754,282; Apr. 15.
- Owens, Freeman H., New York, N. Y. Synchronizing sound and motion pictures. 1,765,997; June 24.
- Owens, Freeman H., New York, N. Y. Title attachment for sound cameras. 1,765,998; June 24.
- Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Optical printer. 1,752,753; Apr. 1.
- Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Photographic camera. 1,753,622; Apr. 8.
- Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Optical printer. 1,755,487; Apr. 22.
- Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Photographic sound-reproducing apparatus. 1,774,759; Sept. 2.
- Owens, Freeman H., New York, N. Y. Optical system for reproducing sound records. 1,786,025; Dec. 23.
- Owens, Freeman H., New York, N. Y. Talking-picture apparatus. 1,786,026; Dec. 23.
- Owens, Freeman H., New York, N. Y. Apparatus for reproducing photographic sound records. 1,786,027; Dec. 23.
- Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Optical printer. 1,786,220; Dec. 23.
- Owens-Illinois Glass Company. (See Barnby, Herbert A., assignor.)
- Owens-Illinois Glass Company. (See Carran, Jerome P., assignor.)
- Owens-Illinois Glass Company. (See Cramer, Albert N., assignor.)
- Owens-Illinois Glass Company. (See Ferngren, Enoch T., assignor.)
- Owens-Illinois Glass Company. (See Flexon, F., and Chew, assignors.)
- Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
- Owens-Illinois Glass Company. (See Hewitt, Stanley L., assignor.)

- Owens-Illinois Glass Company. (See La France, Richard, assignor.)
- Owens-Illinois Glass Company. (See Parker, Raymond H., assignor.)
- Owens-Illinois Glass Company. (See Rule, John F., assignor.)
- Owens-Illinois Glass Company. (See Simonis, Irving, assignor.)
- Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)
- Owens-Illinois Glass Company. (See Walker, Walter T., assignor.)
- Owens-Illinois Glass Company. (See Williams, Percy Q., assignor.)
- Owens-Illinois Glass Company. (See Wilson, Ben H., assignor.)
- Owens, Jesse C., Los Angeles, Calif. Flushing valve. 1,755,558; Apr. 22.
- Owens, Jesse C., Los Angeles, Calif. Necktie support and spreader. 1,777,149; Sept. 30.
- Owens, John C., East Liverpool, Ohio. Game. 1,756,299; Apr. 29.
- Owens, John L. (See Owens, Robert J. and J. L.)
- Owens, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Circuit-interrupting device. 1,780,684; Nov. 4.
- Owens, Louis E., Peoria, Ill. Rug-drying apparatus. 1,765,695; June 24.
- Owens, Robert H., assignor to The P. H. & F. M. Roots Company, Connersville, Ind. Fluid-handling apparatus. 1,785,842; Dec. 23.
- Owens, Robert J. and J. L., Minneapolis, Minn. Elevator leg. 1,752,612; Apr. 1.
- Owens, Robert J., Philadelphia, Pa. Emergency-light connector. 1,758,125; May 13.
- Owens, William P., Cresco, Iowa. Street sign and light. 1,758,714; May 13.
- Owl Drug Company. (See Carr, James A., assignor.)
- Owl Fumigating Corporation. (See Jackson, Ralph M., assignor.)
- Owston, Charles W., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Metal-coating apparatus and method. 1,742,214; Jan. 7.
- Oxendorf, Louis O., Milwaukee, Wis. Swinging bed. 1,757,544; May 6.
- Oxer, George C., New York, N. Y., assignor to American Brass Company. Electrical conductor. 1,780,533; Nov. 4.
- Oxer, George C., New York, N. Y., assignor to American Brass Company. Electrical conductor. 1,780,564; Nov. 4.
- Oxford, John T., Morganton, N. C. Plumb bob. 1,745,027; Jan. 28.
- Oxford Varnish Corporation. (See Casto, Lloyd V., assignor.)
- Oxford Varnish Corporation. (See Stirling, Louis F., assignor.)
- Oxhandler, Leopold, Chicago, Ill. Embossing fiber sheets. 1,784,906; Dec. 16.
- Oxweld Acetylene Company. (See Clapp, Revere E., assignor.)
- Oxweld Acetylene Company. (See Giffen, Florin M., assignor.)
- Oxweld Acetylene Company. (See Hunt, W. F., Mabbs, and Rowland, assignors.)
- Oxweld Acetylene Company. (See Kehl, Robert J., assignor.)
- Oxweld Acetylene Company. (See Mabbs, John K., assignor.)
- Oxweld Acetylene Company. (See Mabbs, J. K., and Stelling, assignors.)
- Oxweld Acetylene Company. (See Miller, Wilber B., assignor.)
- Oxweld Acetylene Co. (See Miller, W. B., and Lytle, assignors.)
- Oxweld Acetylene Company. (See Oliphant, Laurence, assignor.)
- Oxweld Acetylene Company. (See Roberts, Harold J., assignor.)
- Oxweld Railroad Service Company. (See Allison, Isaiah, assignor.)
- Oxweld Railroad Service Company. (See Hasse, F. C., and Allison, assignors.)
- Oxweld Railroad Service Company, The. (See Miller, Samuel W., assignor.)
- Oxweld Railroad Service Company. (See Oldham, Samuel R., assignor.)
- Oxx, Henry G., assignor to A. T. Wall Co., Providence, R. I. Clip for tubular shells. 1,762,793; June 10.
- Oyster, Earl F., Cleveland Heights, and F. N. Gilliland, Shaker Heights, assignors to The Osborn Manufacturing Company, Cleveland, Ohio. Mechanism for making molds. 1,781,126; Nov. 11.
- Ozanne, Bryce K., Neenah, Wis. Electrical distribution. 1,778,465; Oct. 14.
- Ozonide Corporation, The. (See Ramage, Alexander S., assignor.)
- Ozouf, Arthur E., assignor to The Albright-Nell Company, Chicago, Ill. Meat-curing apparatus. 1,755,966; Apr. 22.
- Ozouf, Arthur E., assignor to The Albright-Nell Company, Chicago, Ill. Meat cutting and handling apparatus. 1,764,850; June 17.
- Ozouf, Arthur E., assignor to The Albright-Nell Company, Chicago, Ill. Apparatus for drying, smoking, and curing meat products. 1,766,762; June 24.
- P. I. V. Chain Gears Limited. (See Abbott, Geoffrey J., assignor.)
- P. L. & M. Company. (See Lane, F., and Morgan, assignors.)
- P & M Company, The. (See Gillespie, Harvey M., assignor.)
- P & M Company, The. (See Preston, Frederick A., assignor.)
- P & M Company, The. (See Shepherd, Charles B., assignor.)
- P & M Company, The. (See Warr, Harold G., assignor.)
- P-M-G Metal Trust Limited. (See de Marker, U., Machin, and Goudielock, assignors.)
- P-M-G Metal Trust Limited. (See Machin, W., and Goudielock, assignors.)
- P-W Device Corporation. (See Bartel, Englebert A., assignor.)
- Paas Dye Company. (See Townley, Stephen B. and P. B., and Laing, assignors.)
- Paasche, Jens A., Chicago, Ill. Spraying booth and the like. 1,745,908; Feb. 4.
- Paasche, Jens A., Wilmette, Ill. Air brush and the like. 1,770,164; July 8.
- Paasche, Jens A., Wilmette, Ill. Air brush and the like. 1,777,650; Oct. 7.
- Paatsch, Frank H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pump. 1,763,595; June 10.
- Pabich, Frank S., Chicago, Ill. Mouthpiece for wind instruments. 1,747,732; Feb. 18.
- Pabodie, Robert J., Maywood, Ill., assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,757,136; May 6.
- Pabst, Richard, Wurzburg, Germany. Outlet-coupling device for therapeutic bath coils. 1,767,697; June 24.
- Pabst, Richard, Wurzburg, Germany. Heating device for therapeutic baths. 1,770,008; July 8.
- Pace Garment Supporter, Inc. (See Pace, Jefferson D., assignor.)
- Pace, Jefferson D., Alexandria, assignor to Pace Garment Supporter, Inc., Rapides Parish, La. Garment supporter. 1,780,035; Oct. 28.
- Pacent Electric Company. (See Goudy, Carl F., assignor.)
- Pacent Electric Company. (See Parker, Oliver B., assignor.)
- Pacent Radio Corporation. (See Goudy, Carl F., assignor.)
- Pacher, Josef V., assignor to International Postal Supply Company, Brooklyn, N. Y. Fuel-supply apparatus. 1,785,094; Dec. 16.
- Pacific Clay Products. (See Collins, Walter H., assignor.)
- Pacific Clay Products. (See McClintock, W., and Pearne, assignors.)
- Pacific Copper and Brass Works, Incorporated. (See Travis, Bertram C., assignor.)
- Pacific Electric Manufacturing Corporation. (See Rea, James C., assignor.)
- Pacific Knitting Mills, Inc. (See Ast, Carl O., assignor.)
- Pacific Machinery Company. (See Duncan, Arthur L., assignor.)
- Pacific Machinery Company. (See Anderson, Earl R., assignor.)
- Pacific Machinery Company. (See Duncan, Arthur L., assignor.)
- Pacific Machinery Company. (See Felizianetti, Narsete, assignor.)
- Pacific Machinery Company. (See Goranson, Hjalmar and D., assignors.)
- Pacific Machinery Company. (See Havens, Wilson W., assignor.)
- Pacific Machinery Company. (See Norgaard, Hal W., assignor.)
- Pacific Machinery Company. (See Thompson, Albert R., assignor.)
- Pacific Machinery Company. (See Thompson, A. R., and Anderson, assignors.)
- Pacific Machinery Company. (See Whipple, James B., assignor.)
- Pacific Machinery Company et al. (See Taylor, Verne A., assignor.)
- Pacific Mills. (See Jones, Grinnell, assignor.)
- Pacific Oil Well Cementing Company. (See Dievendorff, H. H., and Barton, assignors.)
- Pacific Pumping Co. (See Ruxton, George T., assignor.)
- Pacific Radio Company. (See Simpson, Frederick G., assignor.)
- Pacific Safety Equipment Company. (See Bullard, Edward W., assignor.)
- Pacini, August J., assignor to C. M. Richter, Chicago, Ill. Reducing the poisonous effects of nicotine and the product thereof. 1,754,117; Apr. 8.
- Pacini, August J., assignor to C. M. Richter, Chicago, Ill. Synthesizing vitamins. 1,762,105; June 3.
- Pacini, August J., assignor to C. M. Richter, Chicago, Ill. Production of antiricketic substances. 1,771,343; July 22.
- Pacini, Fred, Peckville, Pa. Plasterer's darby. 1,769,855; July 1.
- Pack, Charles, Brooklyn, N. Y., and J. C. Fox, Toledo, Ohio, assignors to Doehler Die-Casting Co. Alloy. 1,767,011; June 24.
- Pack, George A. (See Scott, W. M., and Pack.)

- Pack Shops, Inc. (See Bernart, William F., jr., assignor.)
 Package Machinery Company. (See Smith, Elmer L., assignor.)
 Packard, Edwin A. (See Runge, W., and Packard.)
 Packard, Edwin A., Yonkers, assignor to International Combustion Engineering Corporation, New York, N. Y. Steam-power plant. 1,754,283; Apr. 15.
 Packard Electric Company, The. (See MacGregor, Basil N., assignor.)
 Packard, Everett T., assignor to Avon Sole Company, Avon, Mass. Shoe sole. Des. 81,807; Aug. 12.
 Packard, Horace N., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Device for timing and controlling impulses. 1,743,231; Jan. 14.
 Packard, Horace N., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Method and apparatus particularly applicable to measurements of the colorific value of combustible gases. 1,767,771; June 24.
 Packard, Horace N., Wauwatosa, Wis., assignor, by mesne assignments, to The Cutler-Hammer, Inc. Alternating-current electromagnet. 1,752,023; Mar. 25.
 Packard, Horace N., Ossining, N. Y., assignor, by mesne assignments, to Cutler-Hammer, Inc. Method of and apparatus for ascertaining the relative capacities of pumps and the like. 1,774,723; Sept. 2.
 Packard, Howard A., Pierce County, Wash., assignor to Packard Testers, Incorporated. Egg tester. 1,777,014; Sept. 30.
 Packard Motor Car Company. (See Christman, John M., assignor.)
 Packard Motor Car Company. (See Elliott, Harry C., assignor.)
 Packard Motor Car Company. (See Gill, Reuben O., assignor.)
 Packard Motor Car Company. (See Griswold, Walter R., assignor.)
 Packard Motor Car Company. (See Knapp, Archer L., assignor.)
 Packard Motor Car Company. (See Marks, James H., assignor.)
 Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
 Packard Motor Car Company. (See Nacker, Owen M., assignor.)
 Packard Motor Car Company. (See Omey, John W., assignor.)
 Packard Motor Car Company. (See Roberts, Edward F., assignor.)
 Packard Motor Car Company. (See Swanson, Pipsan S., assignor.)
 Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
 Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
 Packard Motor Car Company. (See Weinhardt, Robert A., assignor.)
 Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
 Packard Testers, Incorporated. (See Packard, Howard A., assignor.)
 Packendorf, Karl, Berlin-Lichterfelde, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schöneberg, Germany. Pneumatic-dispatch system. 1,778,369; Oct. 14.
 Packer, Eben R., New Rochelle, N. Y. Switch-point protector. 1,765,995; June 24.
 Packer, Eben R., New Rochelle, N. Y. Guard-rail structure. 1,770,009; July 8.
 Packer, Ezra J., assignor to The Pooley Company, Philadelphia, Pa. Cabinet. 1,757,811; May 6.
 Packer, Glenn W., assignor to Goodman Manufacturing Company, Chicago, Ill. Current collector. 1,765,441; June 24.
 Packer, Lewis C., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company. Sewing-machine-lighting unit. 1,768,783; July 1.
 Packer, Lewis C., Long Meadow, Mass., assignor to Westinghouse Electric & Manufacturing Company. Lighting unit. 1,783,519; Dec. 2.
 Packer, Lewis C., Long Meadow, Mass., assignor to Westinghouse Electric & Manufacturing Company. Sewing-machine lighting unit. 1,783,544; Dec. 2.
 Packer Manufacturing Co., The. (See Allen, A. S., and Ruzicka, assignors.)
 Packer Manufacturing Co., The. (See Webber, Calvin R., assignor.)
 Packer, Oswald F., assignor to Stearns-Stafford Roller Bearing Company, Lawton, Mich. Roller-bearing journal box. 1,768,925; July 1.
 Packritz, Charles, Spokane, Wash. Electric heater. 1,743,566; Jan. 14.
 Packman, Percival J., Highbury, London, and S. V. George, East Croydon, England; said George assignor to said Packman. Saxophone, clarinet, or other wind instrument. 1,748,077; Feb. 25.
 Pac-Kups Incorporated. (See Allen, Arthur S., assignor.)
 Packwood, G. H., Mfg. Company. (See Packwood, George H., jr., assignor.)
 Packwood, George H., jr., assignor to G. H. Packwood Mfg. Company, St. Louis, Mo. Regulatable discharge means for soap dispensers. 1,775,912; Sept. 16.
 Packwood, George H., jr., assignor to G. H. Packwood Mfg. Company, St. Louis, Mo. Liquid and powdered soap dispenser. 1,779,914; Oct. 28.
 Pacyna, Joseph and J. Antosz, Chicago, Ill. Sliding-door hanger. 1,775,827; Sept. 16.
 Pacz, Aladar, East Cleveland, Ohio. Coating zinc and cadmium. 1,784,106; Dec. 9.
 Paczkowski, Joseph, Milwaukee, Wis. Violin. 1,769,304; July 1.
 Paddle, Leslie H., London, England. Microphone. 1,768,211; June 24.
 Paddock, George H., Superior, Wis. Window-sash stop. 1,759,707; May 20.
 Pade, Max H., assignor to the Firestone Tire and Rubber Company, Akron, Ohio. Conveyor for use in the manufacture of inner tubes. 1,748,583; Feb. 25.
 Pade, Max H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Conveyor system for use in handling rubber-tube mandrels. 1,757,732; May 6.
 Padelford, Lester E. (See McCaig, W. J., and Padelford.)
 Padelford, Lester E., assignor to The Republic Metalware Company, Buffalo, N. Y. Toasting-machine casing. Des. 82,621; Nov. 25.
 Paden City Glass Manufacturing Company. (See Fisher, David, assignor.)
 Paden, William L., Saginaw, Mich., assignor, by mesne assignments, to Ohmer Fare Register Company, Dayton, Ohio. Indicator-control device for cash registers. 1,770,708; July 15.
 Padesky, John R., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Instrument panel board. 1,749,353; Mar. 4.
 Padgham, George H., London, England. Rotary duplicator. 1,774,900; Sept. 2.
 Padgett, Benjamin L., Washington, D. C. Producing charts and graphic representation. 1,770,342; July 8.
 Padgett, Benjamin L., Washington, D. C. Graphic representation. 1,780,036; Oct. 28.
 Padia, Eloy. (See O'Massey, Richard H., assignor.)
 Padjen, John A., Vernon, Utah. Auxiliary air-admission device. 1,771,815; July 29.
 Padmore, Bertram R. (See Marks, T. E. D., and Padmore.)
 Paff, Charles, Brooklyn, N. Y. Railroad crosstie and making the same. 1,770,251; July 8.
 Paff, James N. (See Smith, Frederick P., assignor.)
 Paff, James N., Pitman, N. J. Water-cooled air and steam nozzle for gas generators. 1,764,746; June 17.
 Pagani, Antonio, Chiari, Italy. Copying machine. 1,755,967; Apr. 22.
 Pagano, Frank, Penns Grove, N. J. Coffee cabinet. 1,747,129; Feb. 11.
 Pagano, Joseph, Memphis, Tenn. Exercising apparatus. 1,749,544; Mar. 4.
 Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Tucking attachment for knitting machines. 1,763,439; June 10.
 Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Spliced knit fabric and knitting the same. 1,769,856; July 1.
 Page, Arthur A., Racine, Wis. Adjustable eraser. 1,766,935; June 24.
 Page, Austin W. (See Leety, H. E., Eckert, and Page.)
 Page, Bruno, New York, N. Y. Device for squeezing fruit sections. 1,764,466; June 17.
 Page, Charles B., and W. D. Burton, Evanston, assignors to G. W. Dulany, jr., Chicago, Ill. Steam-condensing apparatus. 1,742,449; Jan. 7.
 Page, Charles B., and W. D. Burton, Evanston, assignors, by mesne assignments, to The D. W. Dulany Trust, Chicago, Ill. Steam-power plant. 1,746,605; Feb. 11.
 Page, Edward B., Norwich, England. Brush-making machine. 1,752,926; Apr. 1.
 Page, Frank D., and C. P. Slane, Chelsea, Mich. Guard-rail bracket. 1,777,177; Sept. 30.
 Page, Frank R., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Loop-positioning device. 1,774,397; Aug. 26.
 Page, Fred'k, Contracting Company, The. (See Heitman, Herbert, assignor.)
 Page, Frederick G., Hampstead, England. Corrective appliance for feet. 1,746,865; Feb. 11.
 Page, Frederick H., assignor to Handley Page Limited, London, England. Controlling aeroplanes. 1,780,838; Nov. 4.
 Page, George A., jr. (See Butler, A. G., and Page.)
 Page, Harry B., East Haven, assignor to Sargent & Company, New Haven, Conn. Padlock for tire carriers and the like. 1,744,984; Jan. 28.
 Page, Harry W., Wauwatosa, Wis. Spraying liquids. 1,753,019; Apr. 1.
 Page, Harry W., Wauwatosa, Wis. Unit ventilator. 1,760,166; May 27.
 Page, Herbert E., Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment press. 1,745,809; Feb. 4.
 Page, Herbert E., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Automatic boiler water feeder. 1,758,294; May 13.
 Page, Howard E. (See Moloney, Frank J., assignor.)
 Page, John W., Chicago, Ill. Excavating shovel. 1,747,025; Feb. 11.
 Page, John W., Chicago, Ill. Excavating device. 1,747,130; Feb. 11.
 Page-Madden Company. (See Madden, J. F., and Overholt, assignors.)

- Page, Marshall H., New York, N. Y., assignor to Line-O-Graph Company, Kansas City, Mo. Advertising device. 1,781,596; Nov. 11.
- Page, Norman A., et al. (See Carr, John, assignor.)
- Page, Ralph E. (See Daly, G. F., and Page.)
- Page, Ralph E. (See Lake, C. D., and Page.)
- Page, Ralph E., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Ribbon-supporting mechanism. 1,780,630; Nov. 4.
- Page, Ralph E., Binghamton, N. Y., assignor to The Tabulating Machine Company, Endicott, N. Y. Automatic speed-changing device for tabulating machines. 1,777,890; Oct. 7.
- Page, Stanley H., Los Gatos, Calif. Motor-temperature-controlling means. 1,785,207; Dec. 16.
- Page Steel and Wire Company. (See Snedeker, James W., assignor.)
- Page, Walter. (See Brooks, W. H., and Page.)
- Page-Wood, Gerald, Evanston, Ill., assignor to The Hoover Company. Casing for a suction cleaner or similar article. Des. 81,067; Apr. 29.
- Pagel, Ernest C., Chicago, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company. Package. 1,752,996; Apr. 1.
- Pagendarm, John F., Oakland, assignor to American Wood-lite Corporation, San Francisco, Calif. Head-lamp mounting. 1,778,430; Oct. 14.
- Paget, Harold F., assignor to Haines Hosiery Mills, Inc., Philadelphia, Pa. Thread carrier. 1,752,754; Apr. 1.
- Paget, Richard A. S., London, England. Apparatus for producing sounds. 1,744,570; Jan. 21.
- Pagliani, Federico. (See Stragiotti, Pietro, assignor.)
- Pahl, August, Berlin-Wilmersdorf, Germany. Apparatus for the production of molten liquid, coats of enamel, glass, and the like by spraying upon metal, stone, or other surfaces or bodies. 1,756,381; Apr. 29.
- Pahl, August, Berlin-Wilmersdorf, Germany. Production of filter sieves and sieves produced by such process. 1,786,361; Dec. 23.
- Pahl, August J., San Francisco, Calif. Electric switch. 1,769,600; July 1.
- Paidar, Emil J., Company. (See Emmert, John R., assignor.)
- Paidar, Emil J., Company. (See Paik, Frank J., assignor.)
- Paidar, Emil J., Co. (See Ulrich, Oswald, assignor.)
- Paige, Fred O., Jr. (See Moberg, Arthur R., assignor.)
- Paige, Paul F., Detroit, Mich., assignor to Forbes Lithograph Manufacturing Company, Boston, Mass. Container with attached circular. 1,767,549; June 24.
- Paige, William R., Broomhill, and J. H. Hanson, Holmlea, England. Tool-holding socket. 1,753,471; Apr. 8.
- Paik, Frank J., Riverside, assignor, to Emil J. Paidar Company, Chicago, Ill. Cabinet or similar article. Des. 80,661; Mar. 4.
- Paine, Arthur P., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Intermittent needle motion for Axminster looms. 1,760,960; June 3.
- Paine, Arthur P., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,766,834; June 24.
- Paine, Louis A. (See Borden, P. A., Baker, and Paine.)
- Paine, Mathew H., Glen Ellyn, Ill. Bending press. 1,758,237; May 13.
- Paine, Robert C., Woodcliff, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,742,930; Jan. 7.
- Paine, Sumner E. (See Robinoff, B. S., Paine, and Quilen.)
- Painter, Lawrence O. (See Gann, G. K., Painter, Johnson, and Frykman.)
- Painter, Lawrence O., and J. L. Wallin, assignors to Program Service Company, St. Paul, Minn. Radiocabinet or analogous article. Des. 80,581; Feb. 25.
- Pairpoint Corporation, The. (See Tonelli, Ethil, assignor.)
- Pais, Alexandre, Bucharest, Rumania. Heating device containing a fluid in its heating element. 1,760,884; June 3.
- Pais, Alexander, Bucharest, Rumania. Heating device with heat accumulators. 1,769,752; July 1.
- Paisley, James A., Cleveland, Ohio. Apparatus for loading mine cars. 1,762,074; June 3.
- Paisley, James A., assignor to The Valley Camp Coal Company, Cleveland, Ohio. Mining lamp. 1,783,136; Nov. 25.
- Paisley, James A., assignor to The Valley Camp Coal Company, Cleveland, Ohio. Apparatus for use in loading mine cars. 1,785,593; Dec. 16.
- Paisley, James A., assignor to The Valley Camp Coal Company, Cleveland, Ohio. Method of and apparatus for handling granular material. 1,785,594; Dec. 16.
- Paisseau, Jean, Paris, France. Purifying pearl essence. 1,760,771; May 27.
- Paiste, Henry T., Philadelphia, Pa., assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric fixture. 1,756,929; Apr. 29.
- Paitl, Michael J., Chicago, Ill. Window construction. 1,765,442; June 24.
- Pajean, Charles H., Glencoe, assignor to The Toy Tinkers, Inc., Evanston, Ill. Flash light. 1,763,815; June 17.
- Pajean, Charles H., Glencoe, assignor to The Toy Tinkers, Inc., Evanston, Ill. Rotary blotter. 1,782,792; Nov. 25.
- Palace Poultry Car Company. (See Edgerton, Israel V., assignor.)
- Palatini, Thomas, Belmar, N. J. Plastering machine. 1,786,362; Dec. 23.
- Pale, Elias, San Pedro, assignor of one-half to L. S. Nix, Los Angeles, Calif. Sanitary garbage and refuse remover. 1,749,503; Mar. 4.
- Palenzuela, Rafael P., Marianao, Cuba. System of signals. 1,773,316; Aug. 19.
- Paley, Lewis A., Grand Island, N. Y., assignor to du Pont Rayon Company, Inc. Method of and apparatus for preparing rayon. 1,756,435; Apr. 29.
- Paley, Lewis A., Villa Park, Ill. Method of and apparatus for treating artificial fibers. 1,779,103; Oct. 21.
- Paliferro, Henry, Chicago, Ill. Belt-lacing vise. 1,775,046; Sept. 2.
- Palin, David, Pawtucket, R. I. Tension device for winding machines. 1,752,195; Mar. 25.
- Palka, Thomas. (See Kolano, L., and Palka.)
- Palkowski, Carl. (See Koehl, J. W., Palkowski, and Wagner.)
- Pall, Louis H., Cincinnati, Ohio. Fabric-sample binder and folding said samples. 1,764,033; June 17.
- Pallavicino, Cesare, assignor to Società Italiana Ernesto Breda Per Costruzioni Meccaniche, Milan, Italy. Adjustment of aeroplane ailerons. 1,771,230; July 22.
- Palm, George H., assignor to Chase Machine Company, Chicago, Ill. Fabric-cleaning machine. 1,765,610; June 24.
- Palm, Hugo W., Pequannock, N. J. Parallel drive attachment for lawn mowers. 1,764,851; June 17.
- Palm, John V. O. (See Hopkins, B. F., and Palm.)
- Palm, John V. O., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Alloy. 1,764,034; June 17.
- Palm, John V. O., and E. C. Knuth, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing alloy. 1,745,314; Jan. 28.
- Palm, Robert, Fairfield, Ala. Furnace-arch support. 1,757,682; May 6.
- Palm, Samuel M., Yeadon, and J. F. Snyder, Philadelphia, Pa., assignors to American Telephone and Telegraph Company. Apparatus for pulling cables through conduits. 1,778,086; Oct. 14.
- Palm, Victor H., Butler, Pa. Fuel-injector pump. 1,758,371; May 13.
- Palme, Gustav, Strehla-on-the-Elbe, Germany. Glue product. 1,756,382; Apr. 29.
- Palmenberg's, J. R., Sons, Inc. (See Candlish, William C., assignor.)
- Palmenberg's, J. R., Sons, Inc. (See Crucet, Joseph M., assignor.)
- Palmer, Albert F. (See Palmer, John B., assignor.)
- Palmer, Alphonso T., Chicago, Ill. Rail joint. 1,757,137; May 6.
- Palmer Brothers Co., The. (See Hamill, Virginia, assignor.)
- Palmer, Charles B., and K. Kronborg, assignors to The American Rolling Mill Company, Middletown, Ohio. Continuous pickling machine. 1,745,636; Feb. 4.
- Palmer, Charles W., and Stephen M. Fulton, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of threads, fabrics, or other materials composed of or containing artificial filaments, and product. 1,774,184; Aug. 26.
- Palmer, Charles W., and S. M. Fulton, Spondon, near Derby, England, assignors to Celanese Corporation of America. Threads, cords, and fabric. 1,777,445; Oct. 7.
- Palmer Electric & Manufacturing Co., The. (See Palmer, Granville E., assignor.)
- Palmer Electric & Manufacturing Co., The. (See Palmer, G. E., and Johnson, assignors.)
- Palmer, Ernest E., assignor to Toronto Type Foundry Company Limited, Toronto, Ontario, Canada. Manifold book. 1,750,189; Mar. 11.
- Palmer, Ernest E., Toronto, Ontario, Canada, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper or like sheet-folding machine. 1,786,773; Dec. 30.
- Palmer, Frederick, and J. E. McAuliffe, assignors to Triangle Conduit Company, Inc., Brooklyn, N. Y. Electrical conductor and making the same. 1,781,521; Nov. 11.
- Palmer, George S., Oakland, and J. N. Coleman, Alameda, Calif. Filter. 1,748,654; Feb. 25.
- Palmer, Granville E., Cambridge, Mass., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Distribution system for alternating currents. 1,765,696; June 24.
- Palmer, Granville E., Brookline, assignor, by mesne assignments, to The Palmer Electric & Manufacturing Co., Waltham, Mass. Meter installation. 1,774,562; Sept. 2.
- Palmer, Granville E., Brookline, and E. G. Johnson, Boston, assignors, by mesne assignments, to The Palmer Electric & Manufacturing Co., Waltham, Mass. Switch casing and meter adapter. 1,770,425; July 15.
- Palmer, Harry A. (See Rohn, Walter S., assignor.)
- Palmer, Harry N., Wisbech, England. Potato harvester. 1,747,645; Feb. 18.
- Palmer, John B., Long Beach, Calif. Spinning tongs. 1,760,167; May 27.
- Palmer, John B., assignor of one-half to A. F. Palmer, Port Wayne, Ind. Reel. 1,783,159; Nov. 25.
- Palmer, John E., et al. (See Breitling, Adolf, assignor.)

- Palmer, John B., assignor to The Summit Mold & Machine Company, Akron, Ohio. Collapsible tire-building form. 1,749,886; Mar. 11.
- Palmer, John E., assignor to The Summit Mold & Machine Company, Akron, Ohio. Collapsible tire-building form. 1,749,922; Mar. 11.
- Palmer, John F., Milwaukee, Wis. Eraser cleaner. 1,757,545; May 6.
- Palmer, John F., Milwaukee, Wis. Brush. 1,771,189; July 22.
- Palmer, John V., assignor of one-third to H. I. Neaman and one-third to J. M. Magee, Pittsburgh, Pa. Rail coupling. 1,755,224; Apr. 22.
- Palmer, John V., assignor of one-third to H. I. Neaman and one-third to J. M. Magee, Pittsburgh, Pa. Connector for railway rails. 1,765,801; June 24.
- Palmer, John V., assignor of one-third to H. I. Neaman and one-third to J. M. Magee, Pittsburgh, Pa. Connector for railway rails. 1,765,802; June 24.
- Palmer Match Company. (See Palmer, T. A., and Denmead, assignors.)
- Palmer, Nelson P., and W. B. Herron, Butler, Pa. Calculating machine. 1,765,697; June 24.
- Palmer, Ralph M., New York, N. Y. Producing titanium oxide. 1,760,992; June 3.
- Palmer, Robert, Niskayuna, N. Y., assignor to General Electric Company. Soldering iron. 1,760,519; May 27.
- Palmer, Robert C., Pensacola, Fla., assignor to The Newport Company, Carrollville, Wis. Treating rosin and product therefrom. 1,787,281; Dec. 30.
- Palmer, Robert C., J. L. Burda, and A. F. Oliver, Pensacola, Fla., assignors to The Newport Company, Carrollville, Wis. Purifying rosins. 1,757,588; May 6.
- Palmer, Roy V. (See Sendelback, J., and Palmer.)
- Palmer, Theron R., Erie, Pa. Rubber checkstrap. 1,746,961; Feb. 11.
- Palmer, Thomas A., and J. W. Denmead, Akron, Ohio, assignors to Palmer Match Company. Strip-printing machine. 1,764,688; June 17.
- Palmer, Walter, Chester, Pa., assignor to Amdyco Corporation, New York, N. Y. Foam generator. 1,755,610; Apr. 22.
- Palmer, Walter, Chester, Pa., assignor to Amdyco Corporation, New York, N. Y. Method of and apparatus for producing fire-extinguishing foam. 1,782,366; Nov. 18.
- Palmer, Walter T., assignor of one-half to O. Olson, Des Moines, Iowa. High-thermal-efficiency furnace. 1,786,082; Dec. 23.
- Palmer, William, assignor of one-half to E. W. Astels, Buffalo, N. Y. Combined ironing board and table. 1,783,051; Nov. 25.
- Palmer, William H. (See Calder, W. A. S., and Palmer.)
- Palmer, William H., Monrovia, assignor of one-half to G. L. Davids, Indianapolis, Ind. Merchandise warmer. 1,763,253; June 10.
- Palmer, William L., Long Beach, Calif., assignor, by mesne assignments, to National Dehydrator Corporation. Dehydrating oil. 1,781,076; Nov. 11.
- Palmer, Clarence E., Mount Sterling, Ky. Saw table. 1,763,478; June 10.
- Palmgreen, Philip, McKeesport, Pa. Auxiliary valve tool. 1,772,013; Aug. 5.
- Palmgren, Carl A., Chicago, Ill. Stapling device. 1,761,640; June 3.
- Palmgren, Carl A., assignor to Palmgren Stapling Devices, Incorporated, Chicago, Ill. Stapling device. 1,746,495; Feb. 11.
- Palmgren, Carl A., assignor to Palmgren Stapling Devices, Incorporated, Chicago, Ill. Stapling device. 1,746,496; Feb. 11.
- Palmgren Stapling Devices, Incorporated. (See Palmgren, Carl A., assignor.)
- Palmos, George, Sacramento, Calif. Flytrap. 1,749,717; Mar. 4.
- Palotce, John J., Youngstown, Ohio. Pliers, tongs, or the like. 1,772,428; Aug. 5.
- Paltrowitz, Harry, assignor to Altmar Steel Products Company, Inc., New York, N. Y. Pipe sleeve. 1,753,386; Apr. 8.
- Paluck, Alexander E. (See Paluck, John B., C. J., A. E., and N. A.)
- Paluck, Casimir J. (See Paluck, John B., C. J., A. E., and N. A.)
- Paluck, John B., C. J., A. E., and N. A., Belfield, N. Dak. Gauge runner. 1,769,305; July 1.
- Paluck, Nick A. (See Paluck, John B., C. J., A. E., and N. A.)
- Palumbo, Pete, Weirton, W. Va. Clothes drier. 1,780,037; Oct. 28.
- Pampe, Joseph, Homer City, Pa. Egg-testing device. 1,760,658; May 27.
- Pamperin, Udo K., Coshocton, Ohio. Display stand. 1,775,945; Sept. 16.
- Pan Electric Manufacturing Corporation. (See Eaton, George, assignor.)
- Panco Rubber Company. (See Klein, Myer S., assignor.)
- Pancoast, Donald F., Cleveland, Ohio. Resistance-welding apparatus. 1,761,276; June 3.
- Pancoast, William G., Winnetka, assignor to Biflex Products Company, Waukegan, Ill. Clamp for automobile bumpers. 1,754,964; Apr. 15.
- Panek, Michael. (See Dranter, J. F., and Panek.)
- Panelyte Corporation. (See Edwards, Earl S., assignor.)
- Panes, Isidore, New York, N. Y. Corset. 1,782,311; Nov. 18.
- Pangborn, Redmond H., Tacoma, assignor of one-half to H. Hudson, Pierce County, Wash. Conveyer chain. 1,743,728; Jan. 14.
- Pangborn, Redmond H., Tacoma, assignor of one-half to H. Hudson, Pierce County, Wash. Conveyer chain. 1,748,456; Feb. 25.
- Panico, Joseph, Wheeling, W. Va. Rolling window screen. 1,779,915; Oct. 28.
- Panish, Erwin J., Bridgeport, Conn. Valve control. 1,747,594; Feb. 18.
- Pankey, Amos V., Harrisonburg, Va. Refrigerator. Re17,872; Nov. 18.
- Pankey, Amos V., Harrisonburg, Va. Temporarily arresting the melting of ice. 1,757,383; May 6.
- Pankey, Samuel M., Emmett, Ark. Oscillating motor. 1,757,210; May 6.
- Pannier, Arthur A., Salt Lake City, Utah. Animal tag. Des. 80,393; Jan. 21.
- Pannier, Arthur A., Salt Lake City, Utah. Shelving. 1,778,982; Oct. 21.
- Pannier Bros. Stamp Company. (See Pannier, Oscar M., assignor.)
- Pannier, Oscar M., assignor to Pannier Bros. Stamp Company, Inc., Pittsburgh, Pa. Metallic tag strip. 1,764,884; June 17.
- Pannier, Oscar M., assignor to Pannier Bros. Stamp Company, Inc., Pittsburgh, Pa. Stamping head. 1,786,028; Dec. 23.
- Pannwitz, Wilhelm, Berlin-Copenick, assignor to Deutsche Gold- und Silberscheideanstalt, Frankfurt-on-the-Main, Germany. Handpiece for dental purposes. 1,747,947; Feb. 18.
- Pan-Ross Laboratories, Inc. (See Parsons, John, assignor.)
- Pansky, Adolphe, Paris, France. Preparation of gelatin. 1,761,362; June 3.
- Pantenburg, Vitalis, Frankfurt-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Regeneration of adsorption material. 1,784,536; Dec. 9.
- Pantke, Conrad, New York, N. Y. Space-covering structure. 1,773,851; Aug. 26.
- Panzetta, Harry, Watford, England. Electric-circuit-controlling apparatus. 1,779,329; Oct. 21.
- Paone, Vincenzo, Utica, N. Y. Oil measuring and dispensing can. 1,756,470; Apr. 29.
- Papalas, John A., Cleveland, Ohio. Locking strip for corrugated metal sheets. 1,775,778; Sept. 16.
- Papalas, John A., Cleveland, Ohio. Connecting device for corrugated plates. 1,775,779; Sept. 16.
- Papalas, John A., Cleveland, Ohio. Stepped fastening for corrugated plates. 1,775,780; Sept. 16.
- Papazian, Ovanes S., New York, N. Y. Mold. 1,744,571; Jan. 21.
- Pape, Byron W., Salt Lake City, Utah. Apparatus for screening, sorting, and handling material. 1,781,857; Nov. 18.
- Pape, Floyd N., Clinton, Iowa. Shield for motor-vehicle headlights. 1,782,629; Nov. 25.
- Pape, Wilhelm, assignor to Bergmann-Elektricitäts-Werke, Aktiengesellschaft, Berlin, Germany. High-pressure steam turbine. 1,750,814; Mar. 18.
- Papee Machine Company. (See Bullock, Fred J., assignor.)
- Papendick, Inc. (See Tewes, Anthony, assignor.)
- Paper Machinery Corporation. (See Harris, James W., assignor.)
- Paper Mill Laboratories, Inc. (See Wells, Sidney D., assignor.)
- Paper Patents Company. (See Mahler, E., and Bright, assignors.)
- Paper Service Company, The. (See Rowe, William W., assignor.)
- Paper & Textile Machinery Company, The. (See Farnsworth, Hiland R., assignor.)
- Paper & Textile Machinery Company, The. (See Mills-paugh, William H., assignor.)
- Papò, Armando, and A. Gentilini, Rome, Italy. Moving-picture machine. 1,780,311; Nov. 4.
- Pappert, Emanuel, New York, N. Y. Spectacle frame. Des. 81,499; July 1.
- Pappert, Emanuel, New York, N. Y. Ornamental metal structure for personal wear. 1,778,726; Oct. 21.
- Papps, Myles V., New York, N. Y. Mortuary gown. 1,775,047; Sept. 2.
- Papst, Hermann, Vienna, Austria, assignor, by mesne assignments, to F. B. Keane, Bridgeport, Conn. Electric starting and lighting machine. 1,748,242; Feb. 25.
- Papworth, Walter A., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Centrifugal clothes drier. 1,775,048; Sept. 2.
- Paque, Edward J., assignor to The Pollak Steel Company, Cincinnati, Ohio. Wire-fence clip. 1,761,452; June 3.
- Paquette, Exilias E., Woodstock, Ontario, Canada, assignor to Scott & Williams, Incorporated, New York, N. Y. High-splice attachment for circular-knitting machines. 1,771,344; July 22.
- Paquette, William G., Asheville, N. C. Gas generator. 1,764,974; June 17.
- Paquette, William G., Asheville, N. C. Gas generator. 1,775,372; Sept. 9.
- Paquin, Max. (See Schlosser, F., and Paquin.)
- Paradis, Joseph P., Longueuil, Quebec, Canada. Faucet. 1,746,603; Feb. 11.

- Paradis, Joseph P., Longueuil, Quebec, Canada. Faucet and the like. 1,768,709; July 1.
- Paradis, Philippe A., North Andover, and J. B. Massé, Lawrence, Mass. Steering pole for auto trailers. 1,776,978; Sept. 30.
- Paradis, Philippe A., North Andover, and J. B. Massé, Lawrence, Mass. Trailer-coupling device. 1,776,979; Sept. 30.
- Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Harvester binder. 1,749,777; Mar. 11.
- Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Twine holder for grain binders. 1,762,583; June 10.
- Paradise, Louis A., and W. J. Coultas, Moline, assignors to Deere & Company, Moline, Ill. Tongue support for mowers. 1,762,584; June 10.
- Paradise, Mable B., Atchison, Kans. All-weather double-service wrap. 1,786,960; Dec. 30.
- Paradiso, Frank, Philadelphia, Pa. Shoe-stitcher attachment. 1,783,198; Dec. 2.
- Paraffin Companies, The. (See Christopher, Harold S., assignor.)
- Paraffine Companies, The. (See Finley, Dozier, assignor.)
- Paraffine Companies, The. (See Rosener, Leland S., assignor.)
- Paragon Vaporizer Corporation. (See Brush, Frederick F., assignor.)
- Paramount Famous Lasky Corporation. (See Del Riccio, Lorenzo, assignor.)
- Paramount Famous Lasky Corporation. (See Garbutt, F. E., and Griffith, assignors.)
- Paramount Famous Lasky Corporation. (See Pomeroy, Roy J., assignor.)
- Paramount Industries, Inc. (See Martin, Jesse R., assignor.)
- Paramount Publix Corporation. (See Garbutt, F. E., and Griffith, assignors.)
- Paramount Paper Products Company. (See Simmons, Paul R., assignor.)
- Paramount Textile Machinery Co. (See Prosser, Thomas W., assignor.)
- Paratex Corporation, The. (See Robertson, James B. and G., assignors.)
- Parcell, John, New York, N. Y. Casing for candy-floss machines. 1,769,541; July 1.
- Parchmann, Harry P., assignor to Theo. A. Kochs Company, Chicago, Ill. Barber's sign. Des. 80,452; Feb. 4.
- Parco Development Company. (See Buckles, Winfred G., assignor.)
- Pardee, Frank, Hazelton, Pa. Coal breaker. 1,750,941; Mar. 18.
- Pardee, Harvey S., Ravinia, assignor to J. R. Blackhall, Chicago, Ill. Control system. 1,784,310; Dec. 9.
- Pardee, Robert J., Cleveland Heights, assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Drawing press. 1,753,717; Apr. 8.
- Paredes, Evaristo, El Paso, Tex. Mouthpiece for pipes and cigar holders. 1,785,595; Dec. 16.
- Pardini, Frank J., Reno, Nev. Irrigation weir. 1,772,518; Aug. 12.
- Pardini, Julian A., San Francisco, and I. Andreotti, Nevada City, Calif. Demountable egg beater. 1,752,650; Apr. 1.
- Pardue, Stephen A., Olin, N. C. Poultry coop. 1,778,370; Oct. 14.
- Parent, Gaston, Paris, France. Vanity case. 1,753,315; Apr. 8.
- Parham, Sidney F., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass-ribbon-feeding apparatus and method. 1,766,680; June 24.
- Paris, August F., Brockway, Pa. Washing-machine cylinder. 1,762,665; June 10.
- Paris, Auguste J., jr., Bradford, Pa. Producing lamp-black. 1,756,877; Apr. 29.
- Paris, George W., assignor to Karle Lithographic Company, Rochester, N. Y. Collapsible and reducing box. 1,751,755; Mar. 25.
- Paris, Joseph O. (See Goodwin, Edward J., assignor.)
- Paris, Percy G. (See Bigge, H. C., and Paris.)
- Paris, Percy G. (See Ring, F. G., and Paris.)
- Paris, Percy G., Bethlehem, Pa., assignor to Bethlehem Steel Company. Utilization of converter slags for the manufacture of alloy steel. 1,768,710; July 1.
- Paris, Winifredé, Tallahassee, Fla., and T. P. Hill, Colorado Springs, Colo. Finger eraser. 1,770,426; July 15.
- Parish, Richard L., assignor to American Flange & Manufacturing Company, Chicago, Ill. Crimping tool. 1,743,475; Jan. 14.
- Parisian Novelty Co. (See Kahn, Louis E., assignor.)
- Parizot, Gunther, Stockholm, Sweden. Air-drying mechanism for garment presses. 1,755,488; Apr. 22.
- Park, Harry, and W. R. Litzenberg, Los Angeles, Calif. Dirigible airship. 1,778,273; Oct. 14.
- Park, Robert H., Scotia, N. Y., assignor to General Electric Company. Electrical regulator. 1,743,798; Jan. 14.
- Park, Robert H., Scotia, N. Y., assignor to General Electric Company. Protection of electric systems. 1,752,807; Apr. 1.
- Park, Robert H., Scotia, N. Y., assignor to General Electric Company. Regulating system. 1,775,536; Sept. 9.
- Park, Robert L., Darden, Tenn. Bean harvester. 1,776,129; Sept. 16.
- Park, Robert T., Windsor, Ontario, Canada. Mold for forming coated confections. 1,757,683; May 6.
- Parke, Clarence W., Garland, Utah. Toy steeplechase. 1,778,038; Oct. 14.
- Parker, Alvah C., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Sherbet or similar article. Des. 81,738; Aug. 5.
- Parker, Alvah C., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Goblet. Des. 81,739; Aug. 5.
- Parker, Alvah C., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Parfait. Des. 81,740; Aug. 5.
- Parker, Alvah C., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Tumbler or similar article. Des. 82,238; Oct. 7.
- Parker, Alvah C., Toledo, Ohio, assignor to The Libbey Glass Manufacturing Company. Rotary burn-off machine. 1,757,211; May 6.
- Parker, Arnold G., assignor to C. H. Matthiessen, jr., New York, N. Y. Aeroplane. 1,780,565; Nov. 4.
- Parker, Arthur H. (See Sebell, Harry, assignor.)
- Parker, C. Paul, trustee. (See Edstrom, Gustaf H., assignor.)
- Parker, Arthur La R., Cleveland, Ohio. Combined tube and pipe coupling. 1,774,841; Sept. 2.
- Parker Brothers, Inc. (See Pearson, Thomas V., assignor.)
- Parker, Charles, Co., The. (See Turner, Lewis L., assignor.)
- Parker, Charles, Company, The. (See Walker, Percy H. D., assignor.)
- Parker, Charles A., Haugan, Mont. Hose clamp. 1,782,476; Nov. 25.
- Parker, Charles H., Codsall, assignor to Low Temperature Carbonisation Limited, London, England. Retort for the distillation of coal and other solid carbonaceous substances. 1,754,693; Apr. 15.
- Parker, Charles K., Richmond, assignor to Standard Oil Company of California, San Francisco, Calif. Apparatus for the lye treatment of petroleum oils. 1,752,350; Apr. 1.
- Parker, Charles K., Richmond, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Lye treatment of petroleum oils. 1,764,117; June 17.
- Parker, Clara B., executrix. (See Parker, George D.)
- Parker, Cyrus J., deceased; M. E. Parker, executrix; W. O. Johnson, and H. C. Carter, assignors to Iron Fireman Manufacturing Company, Portland, Oreg. Selective reduction gear. 1,779,824; Oct. 28.
- Parker, Cyrus J., deceased; M. E. Parker, executrix, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Coal-burning grate. 1,779,852; Oct. 28.
- Parker, Donald, Fresno, Calif. Air beater. 1,755,268; Apr. 22.
- Parker, Earl S., Los Angeles, Calif. Broiler and toaster. 1,745,340; Jan. 28.
- Parker, Ernest G., New Bedford, Mass. Relief valve. 1,756,133; Apr. 29.
- Parker, Foster H., Chicago, Ill. Sausage stuffing and linking machine. 1,759,587; May 20.
- Parker, Francis D., La Farge, Wis. Spring. 1,766,451; June 24.
- Parker, Frank C., jr., Norristown, Pa. Musical instrument. 1,755,019; Apr. 15.
- Parker, Frank F., San Juan Bautista, Calif. System of regulation and control for liquid-fuel-fired furnaces and the like. 1,745,331; Jan. 28.
- Parker, Fred G., Paterson, N. J. Antiskid device. 1,762,024; Mar. 25.
- Parker, George D., Riverside, Calif. Machine for applying box straps to containers. 1,777,474; Oct. 7.
- Parker, George D., deceased, Riverside, Calif., C. B. Parker, executrix. Apparatus for well drilling. 1,781,989; Nov. 18.
- Parker, George M., St. Louis, Mo. Recuperator. 1,743,830; Jan. 14.
- Parker, George S., Salem, Mass. Game. 1,780,038; Oct. 28.
- Parker, George W., St. Louis, Mo. Making refractory blocks. 1,760,861; May 27.
- Parker, Grover, Red Bank, N. J. Truck. 1,784,746; Dec. 9.
- Parker, Guy E., assignor to General Motors Corporation, Detroit, Mich. Tie-rod connection. 1,742,782; Jan. 7.
- Parker, Guy E., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Rubber engine support. 1,744,009; Jan. 14.
- Parker, Harold, et al. (See Seaman, Ernest W., assignor.)
- Parker, Harry E., sr., San Diego, Calif. Parachute container. 1,758,170; May 13.
- Parker, Hazel V., Wichita, Kans. Plaster-cast-cutting device. 1,748,617; Feb. 25.
- Parker, Henry C., assignor to Leeds & Northrup Company, Philadelphia, Pa. System for alternately recording and controlling. 1,759,996; May 27.
- Parker, Howard, assignor to Brown Company, Berlin, N. H. Branch connector for fibrous conduits. 1,765,999; June 24.
- Parker, Howard, assignor to Brown Company, Berlin, N. H. Pulp-stock vat. 1,766,000; June 24.
- Parker, Hubbard, deceased, Chicago, Ill., by J. C. Parker, administratrix, Chicago, Ill. Journal-box bearing. 1,772,679; Aug. 12.
- Parker, Jennie C., administratrix. (See Parker, Hubbard.)
- Parker, John, Richmond, Mich. Multiple disk for soil pulverizers. 1,769,601; July 1.
- Parker, John A., assignor to International Shoe Company, St. Louis, Mo. Forming outsoles. 1,777,502; Oct. 7.

- Parker, John A., assignor to International Shoe Company, St. Louis, Mo. Die. 1,782,999; Nov. 25.
- Parker, John Q., Sandusky, Ohio. Shoe reel. 1,758,583; May 13.
- Parker, John W., Barrington, assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Radius tool. 1,755,152; Apr. 15.
- Parker, Joseph, Cowdenbeath, Scotland. Endless conveyer or elevator. 1,750,425; Mar. 11.
- Parker, Joseph N., Bedford, Va. Motor vehicle. 1,780,599; Nov. 4.
- Parker, Kenneth S., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. Des. 81,254; May 27.
- Parker, Leslie M., Evanston, Ill. Demountable structure. 1,784,107; Dec. 9.
- Parker, Leslie O., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric lamp. 1,746,049; Feb. 4.
- Parker, Leslie O., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric lamp. 1,761,022; June 3.
- Parker, Lucian E., assignor to The Ohio Match Company, Wadsworth, Ohio. Machine for assembling book matches. 1,750,281; Mar. 11.
- Parker, Lucien E., assignor to The Ohio Match Company, Wadsworth, Ohio. Vending machine. 1,751,169; Mar. 18.
- Parker, Lucien E., assignor to The Ohio Match Company, Wadsworth, Ohio. Box. 1,751,170; Mar. 18.
- Parker, Luther A., Kalamazoo, Mich., assignor to The Champion Coated Paper Company, Hamilton, Ohio. Paper-coating mechanism and process of coating paper. 1,774,398; Aug. 26.
- Parker, Mary E., executrix. (See Parker, Cyrus J.)
- Parker, Mary E., executrix. (See Parker, C. J., Johnson, and Carter.)
- Parker, Mary G. (See Allen, G. N., and Parker.)
- Parker, Mary G. (See Allen, G. N., Parker, and Kreps.)
- Parker, Mary G. (See Allen, G. N., Parker, and Price.)
- Parker, Oliver B., assignor to Pacent Electric Company, Inc., New York, N. Y. Phonograph pick-up. 1,756,012; Apr. 22.
- Parker, Oliver B., assignor to Pacent Electric Company, Inc., New York, N. Y. Phonograph pick-up. 1,779,247; Oct. 21.
- Parker, Orrel A., assignor to The Parker Wheel Company, Cleveland, Ohio. Hub and spoke connection for wheel bodies. 1,742,723; Jan. 7.
- Parker Pen Company, The. (See Blackman, Horace L., assignor.)
- Parker Pen Company, The. (See Guyot, Walter E., assignor.)
- Parker Pen Company, The. (See Parker, Kenneth S., assignor.)
- Parker, Ralph W., Falmouth, Nova Scotia, Canada. Safety milk-bottle container. 1,784,073; Dec. 9.
- Parker, Ralzemond D., Brooklyn, N. Y., and G. S. Vernam, River Edge, N. J., assignors to American Telephone and Telegraph Company. Regenerative telegraph repeater. 1,771,445; July 29.
- Parker, Ralzemond D., Brooklyn, N. Y., and G. S. Vernam, River Edge, N. J., assignors to American Telephone and Telegraph Company. Regenerative telegraph receiver. 1,771,446; July 29.
- Parker, Raymond H., South Weymouth, Mass., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Fruit or preserve jar. Re17,562; Jan. 14.
- Parker Rotary Stone Saw Company. (See Hall, J. A., and Newell, assignors.)
- Parker Rust Proof Company. (See Allen, William H., assignor.)
- Parker Rust Proof Company. (See Baker, M. C., and Dingman, assignors.)
- Parker Rust-Proof Company. (See Green, M., and Darsey, assignors.)
- Parker Rust-Proof Company. (See Green, M., and Jones, assignors.)
- Parker Rust-Proof Company. (See Jones, Elmer M., assignor.)
- Parker, Thomas L., assignor to The Standard Electric Manufacturing Co., Chicago, Ill. Switch button. 1,769,542; July 1.
- Parker, Thomas L., assignor to The Standard Electric Manufacturing Co., Chicago, Ill. Switch knob. 1,769,543; July 1.
- Parker, Thomas L., assignor to The Standard Electric Manufacturing Co., Chicago, Ill. Mail box. 1,760,961; June 3.
- Parker, Thomas W., Plympton, England, assignor to The Dartmoor China Clay Company, Limited, Plymouth, England. Bleaching or decolorizing of clay or other minerals. 1,777,446; Oct. 7.
- Parker, Walter H. (See Townsend, W. S., and Parker.)
- Parker, Walter H., Beaver, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid-dispensing apparatus. 1,781,881; Nov. 18.
- Parker Wheel Company, The. (See Parker, Orrel A., assignor.)
- Parker, William E., Philadelphia, Pa. Hydraulic transmission mechanism. 1,763,565; June 10.
- Parker, William J., Waterbury, Conn. Nail holder for shingles. 1,745,315; Jan. 28.
- Parker, William S., assignor to Burson Knitting Company, Rockford, Ill. Stocking and method of making. 1,763,367; June 10.
- Parker Wire Goods Company. (See Ohan, Arakel M., assignor.)
- Parker Wire Goods Company. (See Priest, Dwight E., assignor.)
- Parkersburg Rig & Reel Company, The. (See Schwemlein, William, assignor.)
- Parkerson, Joseph J., Jacksonville, Fla. Ice-carrying device. 1,766,258; June 24.
- Parkes, Deric W., Ryders Green, West Bromwich, England, assignor of one-half to H. W. Robinson, Birmingham, England. Producing soluble lead reagents. Re17,804; Sept. 16.
- Parkes, William N., Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary-hook sewing machine. 1,756,699; Apr. 29.
- Parkes, William N., Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop taker for sewing machines. 1,758,715; May 13.
- Parkes, William N., Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-taker mechanism for sewing machines. 1,763,670; June 17.
- Parkes, William Nelson, Brooklyn, N. Y., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Needle-thread-controlling device for sewing machines. 1,775,913; Sept. 16.
- Parkhill, Frederic W., Kansas City, Mo. Interchangeable appliance for mixing, beating, etc. 1,782,245; Nov. 18.
- Parkhill, Mortimer S., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Water connection. 1,747,878; Feb. 18.
- Parkhurst, Karl C., Wichita, Kans. Traffic signal. 1,776,447; Sept. 23.
- Parkhurst, Malcolm K., New York, N. Y. Fastening for jiggling conveyers. 1,777,623; Oct. 7.
- Parkhurst, Malcolm K., New York, N. Y., assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Universal bevel. 1,769,711; July 1.
- Parkhurst, Malcolm K., New York, assignor of one-half to L. W. Burch, Yonkers, N. Y. Self-propelled toy. 1,775,914; Sept. 16.
- Parkin, Henry W., assignor of one-half to H. J. Gunder-son, Los Angeles, Calif. Pumping jack. 1,787,164; Dec. 30.
- Parkin, Winfred T. (See Callowhill, P. J., and Parkin.)
- Parkin, Winfred T., assignor to Theodore W. Foster & Brother Co., Providence, R. I. Loose-powder container. 1,783,160; Nov. 25.
- Parkins, Virgil, Tiffin, Ohio. Fuel-saving valve. 1,762,308; June 10.
- Parkins, Virgil, Tiffin, Ohio. Oil-temperature regulator. 1,775,781; Sept. 16.
- Parkinson, Andrew D., Muswellbrook, New South Wales, assignor to F. K. Mackay, Scrumbo, Aberdeen, New South Wales, Australia. Tray attachment for chairs or couches provided with arms. 1,771,231; July 22.
- Parkinson, George L., Eastwood, England, assignor to H. C. Edmiston, New York, N. Y. Teapot. 1,758,407; May 13.
- Parkinson, Thomas, Pendleton, Manchester England. Apparatus for the liquid treatment of textile fabrics. 1,772,108; Aug. 5.
- Parkinson, William B., Le Mars, Iowa. Musical instrument. 1,767,998; June 24.
- Parks, Annie, et al. (See Morrison, Thomas P., assignor.)
- Parks, Arthur S., Sandwich, Ill. Vacuum pump. 1,774,662; Sept. 2.
- Parks, Arthur S., Sandwich, Ill. Pump. 1,774,663; Sept. 2.
- Parks, Bertrand A., Philadelphia, Pa. Drying machine. 1,773,852; Aug. 26.
- Parks, Charles D., Danbury, Conn. Treating fur. 1,766,452; June 24.
- Parks, Charles D., Danbury, Conn. Felting. 1,782,764; Nov. 25.
- Parks, Charles D., Danbury, Conn. Felting. 1,782,765; Nov. 25.
- Parks, Edward F., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Tension device. 1,776,638; Sept. 23.
- Parks, Merritt G., and R. G. Richard, Gary, Ind. Cooling attachment for dental grinding tools. 1,746,275; Feb. 11.
- Parks, Paul B., Oak Park, assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostat control. 1,760,081; May 27.
- Parks, Paul B., Oak Park, assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostat control. 1,760,082; May 27.
- Parks & Woolson Machine Company. (See Richardson, Charles G., assignor.)
- Parkyn, W. B. (See Andresen, George, assignor.)
- Parlato, Peter, Astoria, N. Y., assignor to Max Schaeffer Co., Inc. Globe for inclosed lighting units. Des. 82,690; Dec. 2.
- Parlini, Alexander C. (See McShea, W. T., Parlini, and Richter.)
- Parlini, Alexander C., Woodside, assignor to Gotham Knit-bac Machine Corporation, New York, N. Y. Knitting needle. 1,759,363; May 20.

- Parlini, Alexander C., Woodside, assignor to Gotham Knitbac Machine Corporation, New York, N. Y. Knitting needle. 1,764,342; June 17.
- Parlini, Alexander C., Woodside, N. Y., assignor to Gotham Knitbac Machine Corporation. Reknitting apparatus. 1,779,248; Oct. 21.
- Parlini, Alexander C., Woodside, N. Y., assignor to Gotham Knitbac Machine Corporation. Latch needle. 1,779,249; Oct. 21.
- Parlini, Alexander C., Woodside, assignor to Gotham Silk Hosiery Company, Inc., New York, N. Y. Fabric-tensioning clamp. 1,780,768; Nov. 4.
- Parlini, Alexander C., Woodside, assignor to Gotham Knitbac Machine Corporation. Holder for reknitting fabrics. 1,782,879; Nov. 25.
- Parlor City Paper Box Company. (See Schurr, Harold, assignor.)
- Parmet, Albert, assignor to Columbia Metal Box Company, New York, N. Y. Meter protective device and set-in inclosed electric switch. 1,744,056; Jan. 21.
- Parmley, Walter C., Upper Montclair, N. J. Pen. 1,752,392; Apr. 1.
- Parmley, Walter C., Upper Montclair, N. J. Joint for conduits. 1,774,664; Sept. 2.
- Parmley, Walter C., Upper Montclair, N. J. Reinforced concrete pipe. 1,781,699; Nov. 18.
- Parnall, Thomas S. B., Westom-super-Mare, England. Lever system particularly applicable to weighing apparatus. 1,774,038; Aug. 26.
- Paroubek, Anton J., and D. McMillan, Ripley, Calif.; said McMillan assignor to said Paroubek. Christmas-tree lighting socket. 1,744,495; Jan. 21.
- Parr, Harris G., assignor to Fort Worth Well Machinery & Supply Company, Fort Worth, Tex. Well-drilling-machine derrick. 1,770,286; July 8.
- Parr, Harold L., and J. H. Nelsen, assignors to The Standard Calorimeter Co., East Moline, Ill. Valve control mechanism. 1,746,866; Feb. 11.
- Parr, John W., Magma, Ariz. Weight equalizer for dispensing gasoline, oil, etc., from storage drums. 1,755,745; Apr. 22.
- Parr, Samuel W., and T. E. Layng, assignors, by mesne assignments, to Urbana Coke Corporation, Urbana, Ill. Coking coal. 1,754,765; Apr. 15.
- Parr, Samuel W., Urbana, assignor to Burgess-Parr Company, Moline, Ill. Gas calorimeter. 1,778,958; Oct. 21.
- Parr, Samuel W., assignor to Burgess-Parr Company, Moline, Ill. Gas calorimeter. 1,779,371; Oct. 21.
- Parr, Samuel W., Urbana, assignor to Burgess-Parr Company, Moline, Ill. Gas calorimeter. 1,779,372; Oct. 21.
- Parratt, Columbus A., Cleburne, Tex. Rat trap. 1,769,453; July 1.
- Parrella, Joseph A., Washington, D. C. Key case. Des. 82,846; Dec. 16.
- Parrella, Joseph A., Cleveland, Ohio. Glove-retaining device for hand bags. 1,743,496; Jan. 14.
- Parrett, Dent, Springfield, Ohio. Steering mechanism for tractors. 1,758,758; May 13.
- Parrish, Donald E., Buffalo, N. Y. Booklet label. 1,786,504; Dec. 30.
- Parrish, James I., Dallas, Tex. Advertising clock dial and means for illuminating the same. 1,760,253; May 27.
- Parrish, Mary B., Philadelphia, Pa. Dye preparation. 1,780,981; Nov. 11.
- Parrock, Harry P., Brookline, Mass. Production of strip steel. 1,744,670; Jan. 21.
- Parry, Edward S., Topeka, Kans. Humidifier for internal-combustion engines. 1,771,723; July 29.
- Parry, Robert D., Northway, England, assignor to General Electric Company. Electrical regulator. 1,784,642; Dec. 9.
- Parschlk, Josef, assignor to C. Mauler, Vienna, Austria. Making nonalcoholic beverages. 1,774,399; Aug. 26.
- Parson, Evalyn S., Oakland, Calif. Twin dolls. Des. 80,739; Mar. 18.
- Parson, Samuel H., Brooklyn, N. Y. Smoker's article. 1,745,445; Feb. 4.
- Parsons, Carl B., Detroit, Mich. Kitchen cabinet. Des. 81,843; Aug. 19.
- Parsons, Carl B., Detroit, Mich. Loading block. 1,770,427; July 15.
- Parsons, Carl B., assignor to The Parsons Company, Detroit, Mich. Loading block. 1,786,774; Dec. 30.
- Parsons, Cecil W. (See Baker, R. H., and Parsons.)
- Parsons, Charles A., and S. S. Cook, Newcastle-on-Tyne, England; said Cook assignor to said Parsons. Shaft packing suitable for steam turbines. 1,757,212; May 6.
- Parsons, Charles A., and E. G. Brownlow, Newcastle-on-Tyne, England; said Brownlow, assignor to said Parsons. Billet or blank suitable for the production of turbine blades. 1,772,876; Aug. 12.
- Parsons, Charles A., and E. G. Brownlow, Newcastle-on-Tyne, England; said Brownlow assignor to said Parsons. Metal blank or billet. 1,774,563; Sept. 2.
- Parsons, Clinton H., and W. D. Richardson, assignors to Swift & Company, Chicago, Ill. Electrothermal treatment of cheese. 1,774,610; Sept. 2.
- Parsons Company, The. (See Parsons, Carl B., assignor.)
- Parsons Company, The. (See Vaughn, George A., assignor.)
- Parsons, Edward T., Upper Montclair, N. J., assignor to Thomson Machine Company. Dough-molding machine. 1,745,228; Jan. 28.
- Parsons, Edward T., Upper Montclair, N. J., assignor to Thomson Machine Company. Roll-molding machine. 1,760,280; May 27.
- Parsons, Ernest P., deceased; W. M. Baldwin, administrator, assignor to The Parsons & Parsons Company, Cleveland, Ohio. Waterproof collar. 1,756,990; May 6.
- Parsons, Ethel M., New York, N. Y., assignor to The Stearns & Foster Company, Lockland, Ohio. Textile fabric or similar article. Des. 80,696; Mar. 11.
- Parsons, Ethel M., New York, N. Y., assignor to The Stearns & Foster Company, Lockland, Ohio. Textile fabric or similar article. Des. 82,052; Sept. 16.
- Parsons, Ethel, New York, N. Y., assignor to The Stearns & Foster Company, Lockland, Ohio. Textile fabric. Des. 82,691; Dec. 2.
- Parsons, Frank T., jr., Washington, D. C. Method and article for wiping inky surfaces. 1,759,520; May 20.
- Parsons, Fred A. (See Armitage, J. B., and Parsons.)
- Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling-machine transmission and control mechanism. Re17,734; July 15.
- Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Clutch. 1,743,334; Jan. 14.
- Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling-machine organization. 1,749,225; Mar. 4.
- Parsons, Fred J., Tacoma, Wash. Hill lock for automobiles. 1,760,207; May 27.
- Parsons, John, Newton Center, Mass., assignor to Pan-Ross Laboratories, Inc., New York, N. Y. Holder for cigarette packages. 1,761,408; June 3.
- Parsons, John H., Pontiac, Mich. Ventilator for automobile windows. 1,745,186; Jan. 28.
- Parsons, John L. (See Hibbert, H., and Parsons.)
- Parsons, Llewellyn B., assignor to The Cudahy Packing Company, Omaha, Nebr. Treatment of lard. 1,767,999; June 24.
- Parsons, Louis R., Stronghurst, Ill. Rail anchor. 1,744,664; Jan. 21.
- Parsons, Louis R., Stronghurst, Ill. Rail anchor. 1,744,671; Jan. 21.
- Parsons, Morgan, Moylan, assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Automatic oil control for carbureted water gas sets. 1,758,891; May 13.
- Parsons, Morgan, Moylan, assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Electrical supervisory system for automatic control water-gas machines. 1,778,706; Oct. 14.
- Parsons & Parsons Company, The. (See Parsons, Ernest P., assignor.)
- Parsons, Philip D., Philadelphia, Pa., assignor to Scott Paper Company. Slitting and winding paper from paper-making machines. 1,759,627; May 20.
- Parsons, Ralph B. (See Baker, J. R., and Parsons.)
- Parsons, Seely S., Cleveland, Ohio, assignor to The New Haven Sand Blast Company, New Haven, Conn. Dust arrester. 1,747,131; Feb. 11.
- Parsons, Sylvanus H. H., Coscob, Conn., assignor to Jacob Ruppert Schalk, Poughkeepsie, N. Y. Demountable sheave bearing. 1,786,741; Dec. 30.
- Parsons, Wallace E., and E. H. Boody, Portland, assignors to Keyes Fibre Company, Inc., Waterville, Me. Shipping pack. 1,743,085; Jan. 7.
- Parsons, William A., Fort Atkinson, Wis. Convertible basket truck. 1,742,485; Jan. 7.
- Parsons, William A., Fort Atkinson, Wis. Wheelbarrow attachment. 1,769,271; July 1.
- Partell, Fred C., Lewiston, Me. Blotter holder. 1,754,368; Apr. 15.
- Partenico, Flora, Culver City, assignor to Normalin Products, Inc., Los Angeles, Calif. Tub cover. 1,744,496; Jan. 21.
- Partington, Charles H., Cincinnati, Ohio. Switch stand. 1,786,260; Dec. 23.
- Partlow, Alfred, Lincoln Park, Mich., assignor to Vorclone Corporation, Milwaukee, Wis. Extractor. 1,753,215; Apr. 8.
- Partlow, Alfred, Lincoln Park, assignor to Vorclone Corporation, Milwaukee, Wis. Washing-machine-cover latch. 1,783,447; Dec. 2.
- Partlow, Howard W., Utica, N. Y. Thermostat. 1,743,385; Jan. 14.
- Partlow, Howard W., Utica, N. Y. Automatic fire extinguisher. 1,749,155; Mar. 4.
- Partlow, Howard W., Utica, N. Y. Release mechanism for fire extinguishers. 1,752,503; Apr. 1.
- Partlow, Howard W., Utica, N. Y. Actuator for fire extinguishers. 1,755,835; Apr. 22.
- Partlow, Howard W., Utica, N. Y. Automatic fire extinguisher. 1,757,213; May 6.
- Partlow, Howard W., Utica, N. Y. Automatic fire extinguisher. 1,764,689; June 17.
- Partridge, Edwin M., Hammond, Ind., and E. W. Scarritt, Oak Park, Ill., assignors, by mesne assignments, to The Permutit Company, New York, N. Y. Base-exchange material and making same. 1,766,350; June 24.
- Partridge, Fred J. (See Baird, A. M., and Partridge.)
- Partridge, Harry E., Finchfield, Wolverhampton, assignor of one-half to J. Thompson (Dudley) Limited, Dudley, England. Conveyer. 1,750,426; Mar. 11.
- Parvi, Jonas, et al. (See Reini, Jack, assignor.)
- Parville, Edmond, Paris, France. Double universal joint. 1,743,901; Jan. 14.
- Parvin, Edward G., Roselle, assignor to Zobell Electric Motor Corporation, Garwood, N. J. Reciprocating electric motor. 1,745,503; Feb. 4.

- Pascale, Pasquale, New York, N. Y., assignor to Dri-
Steam Valve Corporation. Steam valve. 1,744,331;
Jan. 21.
- Pasche, Auguste E., New York, N. Y. Phonograph stylus
and sound box. 1,750,351; Mar. 11.
- Paschen, Paul, and G. Reime, Nuremberg, Germany, as-
signors to Westinghouse Electric and Manufacturing
Company. Electrical meter. 1,765,611; June 24.
- Paschen, Paul, and W. Gebhardt, Nuremberg, assignors
to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-
Siemensstadt, Germany. Apparatus for indicating speed
variations. 1,783,000; Nov. 25.
- Pascoe, William H. (See Tatter, J., and Pascoe.)
- Pascoe, William H., and J. W. Tatter, Chicago, Ill. Ther-
mostatic device. 1,772,570; Aug. 12.
- Pascoo, Alex, Bronx, N. Y. Baby carriage. 1,785,646;
Dec. 16.
- Pascucci, Attilio R., Providence, R. I., assignor to Haver-
hill Shoe Novelty Company, Haverhill, Mass. Shoe
ornament. Des. 82,899; Dec. 23.
- Pascucci, Attilio R., Providence, R. I., assignor to Haver-
hill Shoe Novelty Company, Haverhill, Mass. Shoe orna-
ment. Des. 82,900; Dec. 23.
- Pascucci, Attilio R., Providence, R. I., assignor to Haver-
hill Shoe Novelty Company, Haverhill, Mass. Shoe orna-
ment. Des. 82,901; Dec. 23.
- Pascucci, Giuseppe, Genoa, Italy. Utilization of the force
of gravity and relative apparatus. 1,754,399; Apr. 15.
- Pashoian, Harry G., assignor to Crompton & Knowles
Loom Works, Worcester, Mass. Loom dobby. 1,766,835;
June 24.
- Pasinski, Walter J., assignor to Burroughs Adding Ma-
chine Company, Detroit, Mich. Transfer mechanism.
1,774,289; Aug. 26.
- Pasinski, Walter J., assignor to Burroughs Adding Ma-
chine Company, Detroit, Mich. Accounting machine.
1,778,506; Oct. 14.
- Pasley, Woodson C., Wichita Falls, Tex. Oil-well heater.
1,761,227; June 3.
- Pasman, Abram N., assignor to Scovill Manufacturing Com-
pany, Waterbury, Conn. Waste-pipe fitting. 1,760,659;
May 27.
- Pasman, Solomon, York, Pa. Burglar alarm. 1,772,816;
Aug. 12.
- Pass, Fred, Chicago, Ill., assignor of one-half to G. D.
Norton, Toledo, Ohio. Knife sharpener. 1,749,442;
Mar. 4.
- Pass & Seymour, Incorporated. (See Fergusson, John R.,
assignor.)
- Pass & Seymour, Incorporated. (See Le Feber, Daniel M.,
assignor.)
- Pass & Seymour, Incorporated. (See Morey, Harry J.,
assignor.)
- Pass & Seymour, Inc. (See Russell, Mark N., assignor.)
- Pass & Seymour, Inc. (See Nicholson, Coleman L., 2d., as-
signor.)
- Pass & Seymour, Inc. (See Russell, Mark N., assignor.)
- Pass & Seymour, Incorporated. (See Russell, M. N., and
Brooks, assignors.)
- Pass & Seymour, Inc. (See Thompson, Don N., assignor.)
- Pass & Seymour, Inc. (See Watkin, Bertram L., as-
signor.)
- Pass & Seymour, Inc. (See Zeidler, Richard A., assignor.)
- Passega, Carlo, Paris, France. Traction device for
wheels. 1,754,569; Apr. 15.
- Passis, Joseph, Chicago, Ill. Chair. 1,780,938; Nov. 11.
- Passmel, Anthony J., Valley City, N. Dak. Trip-rope
holder. 1,786,314; Dec. 23.
- Pastene, P., & Co. (See Tosi, Charles A., assignor.)
- Pasternak, Martin, New York, N. Y., assignor to Radio
Corporation of America. Radiocabinet. Des. 82,583;
Nov. 18.
- Pasternak, Martin, New York, N. Y., assignor to Radio
Corporation of America. Radiocabinet. Des. 82,692;
Dec. 2.
- Pastore, George A., Cranston, R. I. Buckle. Des. 81,720;
July 29.
- Pastore, George A., Cranston, R. I. Buckle. Des. 81,991;
Sept. 9.
- Patachon, John B., San Francisco, Calif. Switch.
1,778,087; Oct. 14.
- Patart, Georges, Paris, France, assignor to Du Pont Am-
monia Corporation, Wilmington, Del. Production of or-
ganic compounds containing oxygen. 1,770,165; July 8.
- Patch, Allen J., Rippon, Wis. Piston. 1,769,646; July 1.
- Patch, Earl S., assignor to The Moraine Products Com-
pany, Dayton, Ohio. Bearing for steering columns.
1,761,533; June 3.
- Patch, Fred R., Rutland, Vt. Stone-sawing machine.
1,746,737; Feb. 11.
- Patche, Henry B., Kansas City, Mo., assignor to Genesey
Electric Lantern Company, Rawlins, Wyo. Lantern.
1,750,856; Mar. 18.
- Patchen, John C., et al. (See Ritter, Harry C., assignor.)
- Patchen, Robert H., Chicago, and G. L. Rock, Cicero, Ill.,
assignors to Western Electric Company, Incorporated,
New York, N. Y. Apparatus for arranging and magazin-
ing articles. 1,750,328; Mar. 11.
- Patchen, Robert H., Chicago, and G. L. Rock, Cicero, Ill.,
assignors to Western Electric Company, Incorporated,
New York, N. Y. Apparatus for arranging articles.
1,750,329; Mar. 11.
- Pate, Matthew J., Wilson, N. C., assignor to Lummus Cot-
ton Gin Company, Columbus, Ga. Cotton-gin feeder
and the like. 1,778,088; Oct. 14.
- Pate, Thomas G., Liberal, Kans. Burglar-guard appara-
tus. 1,786,363; Dec. 23.
- Patee, Fred, Casper, Wyo. Composition for building ma-
terials and producing the same. 1,775,621; Sept. 9.
- Pateman, Arthur, assignor of one-half to Imperial Type-
writer Company Limited, Leicester, England. Platen-
roller clutch for typewriters. 1,764,224; June 17.
- Patent Button Company, The. (See White, Franklin R.,
assignor.)
- Patent Button Company, The. (See White, F. R., Abel,
and Carley, assignors.)
- Patent Finance and Holding Company. (See Blackman,
Alexander, assignor.)
- Patent Gear Hardening Company, The. (See Shorter,
A. E., and Boucher, assignors.)
- Patent and Licensing Corporation, The. (See Becker,
Walter, assignor.)
- Patent and Licensing Corporation, The. (See Cady, Walter
H., assignor.)
- Patent and Licensing Corporation, The. (See Dudleston,
William G., assignor.)
- Patent and Licensing Corporation, The. (See Fiedler, H.
R., and Grau, assignors.)
- Patent and Licensing Corporation, The. (See Harris,
William A., assignor.)
- Patent and Licensing Corporation, The. (See Heppes,
George P., assignor.)
- Patent and Licensing Corporation, The. (See Johnston,
Robert T., assignor.)
- Patent and Licensing Corporation, The. (See Keller,
Charles L., assignor.)
- Patent and Licensing Corporation, The. (See Kirsch-
braun, Lester, assignor.)
- Patent and Licensing Corporation, The. (See Levin,
Harold L., assignor.)
- Patent and Licensing Corporation, The. (See MacDonald,
Chester R., assignor.)
- Patent and Licensing Corporation, The. (See McCarthy,
John A., assignor.)
- Patent and Licensing Corporation. (See Mickelson, A. O.,
and Cumfer, assignors.)
- Patent and Licensing Corporation, The. (See Overbury,
Frederick C., assignor.)
- Patent and Licensing Corporation, The. (See Rahr,
Chester E., assignor.)
- Patent and Licensing Corporation, The. (See Schutte,
August E., assignor.)
- Patent and Licensing Corporation, The. (See Sjodahl,
Hilding A., assignor.)
- Patent and Licensing Corporation, The. (See Wettlaufer,
Jules L., assignor.)
- Patent Novelty Company. (See Cowan, Archibald D., as-
signor.)
- Patent Product Corporation of Chicago. (See Macomic,
Chester A., assignor.)
- Patent Protection Corporation, trustee. (See Bredbury,
Thomas, assignor.)
- Patent Protection Corporation. (See Jeffrey, Harold M.,
assignor.)
- Pater, Carl J., Wyoming, Ohio, assignor to The Philip
Carey Manufacturing Company. Expansion joint.
Re17,792; Sept. 2.
- Paterson, Alexander, Buffalo, N. Y. Rolling sheet metal.
1,770,993; July 22.
- Paterson, Alexander, Buffalo, N. Y. Rolling and anneal-
ing sheet metal. 1,785,786; Dec. 23.
- Paterson, Alexander, Buffalo, N. Y. Reduction of metal
by rolling mills. 1,786,775; Dec. 30.
- Paterson, David, Toronto, Ontario, Canada. Strut for
brake beams. 1,769,306; July 1.
- Paterson, Herbert, Long Beach, Calif. Deep-well pump.
1,755,661; Apr. 22.
- Paterson, John C. (See Baker, G. R., Dumbleton, and
Paterson.)
- Paterson, John C. (See Harley, C. F., and Paterson.)
- Paterson, John C., Willesden, London, England, assignor to
Baker Perkins Company, Inc., Saginaw, Mich. Dough-
cutting machine and the like. 1,763,320; June 10.
- Paterson, John C., and G. R. Baker, London, England,
assignors to Baker Perkins Company Incorporated,
New York, N. Y. Apparatus for making wafer cones,
cups, cornets, and the like. 1,744,497; Jan. 21.
- Paterson, John T. H., Chicago, Ill. Cord tie. 1,784,679;
Dec. 9.
- Paterson, Morton L., Boston, assignor to Converse Rubber
Company, Malden, Mass. Shoe sole. Des. 80,540;
Feb. 18.
- Pathé Cinema, Anciens Etablissements Pathé Freres.
(See Merle, André N., assignor.)
- "Patiag" Patentverwertungs-und Industrie Aktiengesell-
schaft. (See Schmidt, Rudolf, assignor.)
- Patocka, Theodore, College Point, N. Y., assignor to T. R.
Brooks, Scranton, Pa. Protected directional signal.
1,783,307; Dec. 2.
- Paton, Clyde R., and T. S. Sligh, jr., assignors to The
Studebaker Corporation, South Bend, Ind. Automob-
ile construction. 1,744,332; Jan. 21.
- Paton, Clyde R., and T. S. Sligh, jr., assignors to The
Studebaker Corporation, South Bend, Ind. Automobile
construction. 1,763,064; June 10.
- Paton, Robert, Cardonald, near Glasgow, Scotland, as-
signor to The Babcock & Wilcox Company, Bayonne,
N. J. Superheater for steam generators. 1,776,369;
Sept. 23.
- Paton, Robert J., London, England. Direction and move-
ment indicator for use on vehicles. 1,781,522; Nov. 11.

- Patrick, Ella, Olathe, Colo. Cooling-fan attachment. 1,784,907; Dec. 16.
- Patrick, Isaac, Rockford, assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Fluid-actuated control for clutches. 1,743,476; Jan. 14.
- Patrick, John W., Essendon, Victoria, Australia, assignor of one-half to H. N. Furzer, Mont Albert, Australia. Switch device for electric irons. 1,770,241; July 8.
- Patrick, Joseph C., Kansas City, Mo. Refining used oil. 1,750,350; Mar. 11.
- Patrick, Talbot. (See Stimson, J. F., and Patrick.)
- Patricolo, Vincent, Buffalo, N. Y. Shock absorber. 1,783,387; Dec. 2.
- Patricolo, Vincent, Buffalo, N. Y. Shock absorber. 1,783,388; Dec. 2.
- Patric, Ronald E., Loretto, Mich. Radio apparatus. 1,752,196; Mar. 25.
- Patron, Joaquin R., Campeche, Mexico. Flash light. 1,763,902; June 17.
- Patrone, Eugene, Washington, D. C. Tire rim. 1,784,383; Dec. 9.
- Patten, James C. (See Humphries, Chad H., assignor.)
- Patten, Ralph W., Olyphant, M. A. Vrabel and J. F. Gombar, Throop, and W. H. Bell, Clarks Summit, Pa. Car-unloading device. 1,759,757; May 20.
- Patten, Raymond E., Oak Park, Ill., assignor to Edison Electric Appliance Company. Combined clock frame and face. Des. 81,068; Apr. 29.
- Patten, Ruth H., Bradenton, Fla. Maternity slip. 1,765,937; June 24.
- Patterson, Amos H., and B. C. Moots, Belen, N. Mex. Drill press. 1,742,517; Jan. 7.
- Patterson, Anna M., Long Beach, Calif. Fabric flower and making the same. 1,766,351; June 24.
- Patterson, Arthur W., jr., Roselle, N. J. Water-tube boiler. 1,756,164; Apr. 29.
- Patterson, Duncan W., Douglaston, N. Y., assignor, by mesne assignments, to American La France and Foamite Corporation. Fire-extinguishing system. 1,752,263; Mar. 25.
- Patterson, Duncan W., Douglaston, N. Y., assignor, by mesne assignments, to American La France and Foamite Corporation. Method of and system for generating fire-extinguishing foam. 1,784,680; Dec. 9.
- Patterson, Edgar W., Los Angeles, Calif. Extension-plunger pump. 1,779,557; Oct. 28.
- Patterson, Edgar W., Los Angeles, Calif., assignor to W. P. Lacy, W. G. Lacy, and C. A. Stiles. Flexible pipe assembly. 1,785,095; Dec. 16.
- Patterson, Elmer and L. McDow, Stockton, assignors, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Sickle guard. 1,770,709; July 15.
- Patterson, Frank H., Fredonia, Kans. Paper-cutting machine. 1,742,967; Jan. 7.
- Patterson, Frank H., Fredonia, Kans. Measuring apparatus. 1,765,612; June 24.
- Patterson, Franklin P., Greenwich, Conn. Musical instrument. 1,747,733; Feb. 18.
- Patterson, Herbert, Greenfield, assignor of one-half to E. M. Abercrombie, Deerfield, Mass. Bearing. 1,749,391; Mar. 4.
- Patterson, Isaiah D., Gardena, assignor of two-thirds to J. A. MacMeekin, San Jose, Calif. Amusement tower. 1,750,857; Mar. 18.
- Patterson, John A., Villa Park, Ill. Rim tool. 1,771,860; July 29.
- Patterson, John F., assignor to The Warren City Tank & Boiler Co., Warren, Ohio. Storage tank. 1,747,840; Feb. 18.
- Patterson, John F., assignor to The Warren City Tank & Boiler Company, Warren, Ohio. Storage tank. 1,752,197; Mar. 25.
- Patterson, John F., assignor to The Warren City Tank & Boiler Company, Warren, Ohio. Storage tank for oils. 1,774,943; Sept. 2.
- Patterson, John F., assignor to The Warren City Tank & Boiler Company, Warren, Ohio. Water roof tank. 1,782,174; Nov. 18.
- Patterson, John S., East Northport, N. Y. Laundry apparatus. 1,743,799; Jan. 14.
- Patterson, Lucille S., Chicago, Ill. Cushion. Des. 81,069; Apr. 29.
- Patterson, Martin L., Bogata, N. J., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Arc-controlling thermostat. 1,778,770; Oct. 21.
- Patterson, M. F., Dental Supply Company. (See Andresen, Lauritz E., assignor.)
- Patterson, M. F., Dental Supply Co. (See Andresen, L. B., and Paulson, assignors.)
- Patterson, M. F., Dental Supply Co. (See Thomas, G. B., and Coons, assignors.)
- Patterson, Oliver C., Compton, Calif. Wire-cable clamp. 1,778,274; Oct. 14.
- Patterson, Ray. (See Lavarack, W. H. B., and Patterson.)
- Patterson, Sydney R., Detroit, Mich. Casket handle. 1,779,488; Oct. 28.
- Patterson, William J., Allandale, Ontario, Canada. Animal trap. 1,744,412; Jan. 21.
- Patterson, William L., and G. B. Gallasch, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Microtome knife holder. 1,765,283; June 17.
- Pattison, Herbert J., Cleveland, assignor to The Willys-Overland Company, Toledo, Ohio. Rubber-bumper housing. 1,771,309; July 22.
- Pattison, Merrill R., Seattle, Wash. Toy machine gun. Des. 80,907; Apr. 8.
- Patton, Frederick W., Victoria, British Columbia, Canada. Multiple-saw woodworking machine. 1,786,168; Dec. 23.
- Patton, Harry H., Oakland, Calif., assignor, by mesne assignments, to Brake-Testing Equipment Corporation. Brake-pedal pressure gauge. 1,775,528; Sept. 16.
- Patton, Herbert F., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Well strainer. 1,778,371; Oct. 14.
- Patton, William A., Catlettsburg, Ky. Vending machine. 1,743,931; Jan. 14.
- Patton, William J., St. Louis, Mo. Road-resurfacing device. 1,744,139; Jan. 21.
- Patty, Charles M., sr., assignor of one-half to H. D. Weaver, Marshall, Ark. Automatic safety device for gas stoves. 1,748,306; Feb. 25.
- Patz, Alexander, Budapest, Hungary. Switch-operating mechanism for electric railways. 1,780,939; Nov. 11.
- Paun, James J., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding machine. 1,767,473; June 24.
- Paugh, James J., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Water-cooled welding cable-joint construction. 1,784,384; Dec. 9.
- Pauke, William M. (See Lutz, C. M., and Pauke.)
- Paul, Abram E., Upper Darby Branch, Philadelphia, Pa., assignor to National Pneumatic Company, New York, N. Y. Door-strap clamp. 1,787,017; Dec. 30.
- Paul, Alice O., et al. (See Paul, Leonard B., assignor.)
- Paul-Antonio, Louis G., Tiltonsville, Ohio. Frame for doors, windows, and the like. 1,747,789; Feb. 18.
- Paul, Jennie H., and W. R. Paul, Amarillo, Tex. Combined mop and wringer. 1,776,687; Sept. 23.
- Paul, John B., Pittsburgh, Pa. Flush tank. 1,750,427; Mar. 11.
- Paul, Leonard B., assignor of one-third to A. O. Paul, Williamstown, W. Va., and two-thirds to L. G. Zachos, Chicago, Ill. Sliding and swinging window. 1,781,858; Nov. 18.
- Paul, Stephen, Lansing, Mich. Tie-rod fastening. 1,753,426; Apr. 8.
- Paul, Sydney, assignor to Superior Body Company, Lima, Ohio. Vehicle body construction. 1,778,507; Oct. 14.
- Paul, Sydney, assignor to Superior Body Company, Lima, Ohio. Vehicle body construction. 1,780,717; Nov. 4.
- Paul, Sydney, assignor to Superior Body Company, Lima, Ohio. Funeral car. 1,780,718; Nov. 4.
- Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupter. 1,745,187; Jan. 28.
- Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,751,418; Mar. 18.
- Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Draft attachment for tractors. 1,759,063; May 20.
- Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Power-transmitting mechanism. 1,780,503; Nov. 4.
- Paul, William L., Berkeley, Calif., assignor to Deere and Company, Moline, Ill. Disk harrow. 1,785,144; Dec. 16.
- Paul, William R. (See Paul, J. H. and W. R.)
- Pauli, Erwin J., Brooklyn, N. Y., assignor to Doehler Furniture Co., Inc. Desk or the like. Des. 81,364; June 10.
- Pauli, Erwin J., Brooklyn, N. Y., assignor to Doehler Furniture Co., Inc. Night table or the like. Des. 82,622; Nov. 25.
- Pauli, Erwin J., Brooklyn, N. Y., assignor to Doehler Furniture Co., Inc. Chest of drawers or the like. Des. 82,623; Nov. 25.
- Pauli, Hjalmar I., Greensburg, Pa. Bank check. 1,747,788; Feb. 18.
- Paulin, Josua G., Stockholm, Sweden. Instrument for measuring variable forces. 1,761,489; June 3.
- Pauling, Harry, Berlin, Germany. Apparatus for the production of ammonia-air mixtures. 1,784,074; Dec. 9.
- Pauling, Thomas R., Andrews, Ind. Shelf bracket. 1,756,954; May 6.
- Pauli, Eldred H., Seattle, Wash., assignor to W. Gordon, doing business as Gordon Manufacturing Co., New York, N. Y. Window cleaner and drier. 1,778,121; Oct. 14.
- Pauli, Harry W., assignor to Eagle Manufacturing Company, Wellsburg, W. Va. Portable electric lamp. 1,770,581; July 15.
- Paul, Samuel, and S. Mandeltort, New York, N. Y., assignor to Waterproof Pocket Corporation. Safety container. 1,760,604; May 27.
- Paulsen, Reginald, Oslo, Norway. Tank ship. 1,751,756; Mar. 25.
- Paulson, Charles J., and M. L. Weiss, Brooklyn, assignors to J. Lamson, trustee, New York, N. Y. Delivery apparatus. 1,747,387; Feb. 18.
- Paulson, Christian. (See Brown, R. W., and Paulson.)
- Paulson, Christian, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing apparatus. 1,743,386; Jan. 14.
- Paulson, Clifford W. (See Andresen, L. B., and Paulson.)
- Paulson, George W., Portland, Oreg. Flating attachment for submarines. 1,776,448; Sept. 23.
- Paulson, Rudolph H., Colfax, Wis. Recording machine. 1,750,539; Mar. 11.
- Paulson, Walter H. (See Lathrop, H. D., and Paulson.)
- Paulson, Walter H., assignor to H. D. Lathrop, Chicago, Ill. Can-ejecting mechanism. 1,756,522; Apr. 29.
- Paulus, Charles L. (See Gardner, G., and Paulus.)
- Paulus, Charles L. (See Kauch, R., and Paulus.)

- Paulus, Charles L., Dayton, Ohio. Chin rest. 1,772,157; Aug. 5.
- Paulus, Charles L., and R. Kauch, Dayton, Ohio. Fire extinguisher for aircraft. 1,745,909; Feb. 4.
- Paulus, Charles L., and R. Kauch, Dayton, Ohio. Timing the speed of objects and apparatus therefor. 1,779,853; Oct. 28.
- Paulus, William. (See Oishei, J. R. Hueber, Paulus, and Horton.)
- Pauly, Robert C., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Pressing machine. 1,747,879; Feb. 18.
- Pauly, Robert C., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Neckband clamp for pressing machines. 1,763,536; June 10.
- Pauly, Robert C., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Tail clamp. 1,766,187; June 24.
- Pauly, Robert C., Avondale, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Pressing machine. 1,777,150; Sept. 30.
- Pauly, Robert C., Cincinnati, and S. Nottage, Norwood, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Clamping mechanism for pressing machines. 1,763,816; June 17.
- Paup, Roy F., Chicago, Ill., assignor to The Lehon Company. Sheet-cutting machine. 1,779,916; Oct. 28.
- Pauseer, Arnaud E., Philadelphia, Pa. Temperature indicator for hair-curling devices. 1,752,198; Mar. 25.
- Pautou, Paul, assignor to the firm: Société Anonyme des Accumulateurs Monoplaque, Colombes, France. Insulating separators for accumulator plates. 1,779,286; Oct. 21.
- Pavelka, Anton, Berwyn, Ill. Pushpin. 1,777,731; Oct. 7.
- Pavelka, Frank J. (See Lau, G., and Pavelka.)
- Pavelsky, Thomas R., assignor of one-fourth to J. Collins, one-fourth to F. J. Binsack, and one-fourth to E. W. O'Brien, Rochester, N. Y. Combination traffic signal and booth therefor. 1,750,190; Mar. 11.
- Paylecka, Jan, Wyandotte, Mich. Aircraft power plant. 1,779,186; Oct. 21.
- Pavlik, Mike, jr., et al. (See Simmons, William J., sr., assignor.)
- Payloff, Steve, Camas, Wash. Smoker's pipe. 1,785,208; Dec. 16.
- Pavola, August, McMurray, Wash. Aerial gas bomb. 1,779,617; Oct. 28.
- Pawel, George W. (See Siefert, W. C., and Pawel.)
- Pawlick, Otto A., West Orange, and R. C. Giese, East Orange, N. J. Apparatus for measuring and indicating efficiencies. 1,754,039; Apr. 8.
- Pawlikowski, Rudolf, Goerlitz, Germany. Material-shaking mechanism. 1,760,563; May 27.
- Pawling, George F., assignor to Pawling System, Inc., Philadelphia, Pa. Building construction. 1,746,440; Feb. 11.
- Pawling System, Inc. (See Pawling, George F., assignor.)
- Paxton, Hale, Sanger, Calif. Compensating device for nail-driving mechanism. 1,755,225; Apr. 22.
- Paxton, Hale, Sanger, Calif. Nail-picking device for nail-driving machines. 1,766,144; June 24.
- Paxton, Sherman H., assignor to Jay Manufacturing Co., Los Angeles, Calif. Lubricator. 1,753,718; Apr. 8.
- Paxton, William P., assignor to Southern Textile Machinery Co., Paducah, Ky. Stop mechanism for sewing machines. 1,776,478; Sept. 23.
- Payman, Joseph B. (See Gibson, W., and Payman.)
- Payman, Joseph B. (See Gibson, W., Hailwood, Payman, and Shepherdson.)
- Payman, Joseph B., et al. (See Gibson, W., Henshaw, and Payman.)
- Payman, Joseph B., and H. A. Piggott, Huddersfield, assignors to British Dyestuffs Corporation Limited, Manchester, England. Removal of free chlorine and bromine from fluid mixtures. 1,770,010; July 8.
- Payne, Alfred, Tacoma, Wash. Ship-loading chute. 1,766,681; June 24.
- Payne, Clarence Q., Stamford, Conn., assignor of one-fourth to J. G. Hall, New York, N. Y. Electromagnetic clutch. 1,756,907; Apr. 29.
- Payne, El Roy L., Los Angeles, Calif. Control system for furnaces. 1,746,673; Feb. 11.
- Payne, El Roy L., Los Angeles, Calif., assignor to Gas Furnace Control Co. Electrically-operated valve. 1,767,611; June 24.
- Payne, Frank, Biltmore, N. C. Railroad-crossing signal. 1,782,312; Nov. 18.
- Payne, Frank E., Chicago, Ill. Gasket. 1,772,263; Aug. 5.
- Payne, Glade W., Vergil, assignor of one-half to J. F. Neely, Emporia, Kans. Hoisting machine. 1,781,700; Nov. 18.
- Payne, Howard W., Firlie, H. J. Puckridge, Kingswood, and L. Evans, Fullarton Estate, South Australia, Australia. Device for collapsing and adjusting split rims of vehicle wheels. 1,774,400; Aug. 26.
- Payne, James M., jr., Dunbar, W. Va., assignor to F. W. Woolworth Company. Tumbler. Des. 82,953; Dec. 30.
- Payne, James M., jr., Dunbar, W. Va., assignor to F. W. Woolworth Company. Tumbler. Des. 82,954; Dec. 30.
- Payne, John H., Ballston Spa, N. Y., assignor to General Electric Company. Temperature-regulating apparatus. 1,760,520; May 27.
- Payne, John S., Midland Park Borough, N. J. Driving mechanism for snowplows. 1,743,683; Jan. 14.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle motion for Axminster looms. 1,761,277; June 3.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness cord for looms. 1,766,723; June 24.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for looms. 1,766,836; June 24.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft-replenishing looms. 1,777,377; Oct. 7.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Withdrawing feeler. 1,786,673; Dec. 30.
- Payne, Robert J., Fredericksburg, Va. Sling. 1,745,446; Feb. 4.
- Payne, Samuel G., Howard, R. I. Collar and the like. 1,766,259; June 24.
- Payne, Thomas E., Toledo, Ohio. Crutch attachment. 1,753,065; Apr. 1.
- Payne, Walter B. (See Bohrer, R. E., Payne, and Tiefel.)
- Payne, Walter B. (See Tiefel, C. G., and Payne.)
- Payne, Walter B., assignor to The Todd Company, Rochester, N. Y. Machine for setting up and printing characters upon relatively small forms. 1,742,274; Jan. 7.
- Payne, Walter B., R. E. Bohrer, and W. Fuhlborn, assignors to The Todd Company Inc., Rochester, N. Y. Calculating machine. 1,787,259; Dec. 30.
- Paynter, Horace J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Rotary can-end drier. 1,754,483; Apr. 15.
- Paynter, John E., Kansas City, Mo. Bath cabinet. 1,778,643; Oct. 14.
- Paysee, Robert B., Oklahoma City, Okla. Air-cooling device. 1,771,232; July 22.
- Payson, Aurin E., Norwich, Conn. Refrigerating receptacle. 1,770,944; July 22.
- Payson, Aurin E., and M. P. Wetmore, Norwich, Conn. Casing for double-walled vacuum bottles. 1,744,498; Jan. 21.
- Payson Manufacturing Company, The. (See Seidensticker, Oswald G., assignor.)
- Payton, Robert C., New York, N. Y., assignor to Yardley & Co., Ltd., Union City, N. J. Cover paper or similar article. Des. 81,992; Sept. 9.
- Payzant, Henry H., Everett, assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Machine for forming band fastenings. 1,747,880; Feb. 18.
- Payzant, Henry H., Everett, assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Lumber package. 1,785,360; Dec. 16.
- Peabody, Donald C. (See Sayres, C., and Peabody.)
- Peabody, E. Louise, executrix. (See Peabody, J. C., and Brown.)
- Peabody Engineering Corporation. (See Leefeld, Rufus F., assignor.)
- Peabody Engineering Corporation. (See Peabody, Ernest H., assignor.)
- Peabody Engineering Corporation. (See Quiroz, F. A., and Leask, assignors.)
- Peabody Engineering Corporation. (See Sadtler, Edwin B., assignor.)
- Peabody, Ernest H., Pelham Manor, assignor to Peabody Engineering Corporation, New York, N. Y. Combination gas and oil burner. 1,743,617; Jan. 14.
- Peabody, Ernest H., Pelham Manor, assignor to Peabody Engineering Corporation, New York, N. Y. Double-ported register for fuel burners. 1,754,433; Apr. 15.
- Peabody, James A., Evanston, Ill., assignor to General Railway Signal Company. Automatic train-control system for railroads. 1,765,803; June 24.
- Peabody, James C., deceased, Boston, and A. Brown, Everett, Mass.; said Brown and E. L. Peabody, executrix, assignors to F. B. Hopewell, Newton, Mass., as trustee. Fibrous sheet material and making same. 1,781,668; Nov. 11.
- Peacock, David W. K. (See Wood, Harry L., assignor.)
- Peaden, William H., Oklahoma City, assignor of one-fourth to W. Y. Tennyson, Salina, Okla. Combination shade and awning. 1,769,272; July 1.
- Peake, John F., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoe stiffeners. 1,772,465; Aug. 12.
- Peakes, Gilbert L., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Twist drill. 1,762,736; June 10.
- Peal, George H., Rutherford, N. J. Container and method and producing the same. 1,747,596; Feb. 18.
- Peale-Davis Company. (See Davis, Kenneth, assignor.)
- Peale, Rembrandt, et al., trustees. (See David Kenneth, assignor.)
- Peale, Rembrandt, et al., trustees. (See Davis, Kenneth, assignor.)
- Peale, Richard, et al., trustees. (See Davis, Kenneth, assignor.)
- Pearce, Charles F., jr., assignor to Burton-Dixie Corporation, Chicago, Ill. Textile fabric. Des. 82,757; Dec. 9.
- Pearce, Edwin S. (See Karibo, E. C., Pearce, and Retterer.)
- Pearce, Edwin S., Indianapolis, Ind., assignor to The American Laundry Machinery Company, Norwood, Ohio. Waste-reclamation system. Re17,710; June 24.

- Pearce, Edwin S. assignor to Railway Service & Supply Corporation, Indianapolis, Ind. Method of and apparatus for reconditioning waste. 1,776,293; Sept. 23.
- Pearce, Edwin S., assignor to Railway Service and Supply Corporation, Indianapolis, Ind. Waste cleaner. 1,778,431; Oct. 14.
- Pearce, Edwin S., assignor to Railway Service and Supply Corporation, Indianapolis, Ind. Conditioning waste. 1,779,010; Oct. 21.
- Pearce, Edwin S., assignor to Railway Service and Supply Corporation, Indianapolis, Ind. Conditioning waste. 1,779,011; Oct. 21.
- Pearce, Edwin S., Indianapolis, Ind., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Reclaiming waste. 1,779,104; Oct. 21.
- Pearce, George C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control device. 1,745,864; Feb. 4.
- Pearce, George C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal control system. 1,783,520; Dec. 2.
- Pearce, Harold W., assignor to The Welsh Manufacturing Company, Providence, R. I. Clip and making the same. 1,773,497; Aug. 19.
- Pearce, James W., Philadelphia, Pa., assignor to North Western Expanded Metal Company, Chicago, Ill. Expanded metal lath. 1,743,800; Jan. 14.
- Pearce, Owen A., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,766,936; June 24.
- Pearce, W. L. (See Church, Walter L., assignor.)
- Pearce, William J., McKeesport, Pa. Butter-cutting machine. 1,783,096; Nov. 25.
- Pearce, William L. (See Church, Walter L., assignor.)
- Pearce, William L. (See Church, W. L., and Pearce.)
- Pearl, Azariah Y., assignor to Laboratoires Sévigné-Pearl, Inc., Windsor, Vt. Ornamental coating or film and making same. 1,775,691; Sept. 16.
- Pearl, James W., Chicago, Ill. Analyzer. 1,762,585; June 10.
- Pearl, Sam. (See Mendelson, A., and Pearl.)
- Pearmain, John D., Scarborough, N. Y. Illuminated sign. 1,782,175; Nov. 18.
- Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,760,605; May 27.
- Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Friction clutch. 1,782,880; Nov. 25.
- Pearne, Frank Y. (See McClintock, W., and Pearne.)
- Pearson, Alan H. (See Ploch, Carl E., assignor.)
- Pearson, Alfred, assignor of one-half to F. A. Freed, Rockford, Ill. Garden tool. 1,784,108; Dec. 9.
- Pearson, Charles. (See Benjamin, B. R., and Pearson.)
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Mower. 1,750,049; Mar. 11.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Mower attachment for tractors. 1,757,214; May 6.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Mower. 1,772,264; Aug. 5.
- Pearson, Charles C., North Providence, and E. M. McLellan, Cranston, R. I. Nonskid overshoe. 1,768,370; June 24.
- Pearson, Donald M., Oakland, Calif. Igniting and controlling low-gravity fuel burners. 1,777,732; Oct. 7.
- Pearson, E. T., & Co. Ltd. (See Lowen, Charles G., assignor.)
- Pearson, Enoch L., assignor to Stewart-Warner Corporation, Chicago, Ill. Pressure-trapping chamber for fuel pumps. 1,777,891; Oct. 7.
- Pearson, Ernest L., Chicago, Ill. Three-wheel vehicle chassis. 1,747,526; Feb. 18.
- Pearson, Frank C. (See Bolles, J. H., and Pearson.)
- Pearson, Gardner W. (See Hooke, F. G., and Flynn, assignors.)
- Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Fluid-operated tool. 1,744,917; Jan. 28.
- Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Tool retainer. 1,753,249; Apr. 8.
- Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Tool holder. 1,755,269; Apr. 22.
- Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Drill-steel bore-contracting means. 1,774,290; Aug. 26.
- Pearson, Henry C., Pasadena, Calif. Push ball. 1,779,187; Oct. 21.
- Pearson, Howard L., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Kiln-car top. 1,777,856; Oct. 7.
- Pearson, James H. (See Harrah, P. J., and Pearson.)
- Pearson, John P., assignor to Metal Door & Trim Co., La Porte, Ind. Metallic door structure or the like. 1,750,428; Mar. 11.
- Pearson, John T., assignor to Crouse-Hinds Company, Syracuse, N. Y. Cover for conduit outlet boxes. 1,767,226; June 24.
- Pearson, John T., and R. H. Olley, assignors to Crouse-Hinds Company, Syracuse, N. Y. Adapter member for conduit outlet boxes. 1,759,365; May 20.
- Pearson, John T., and R. H. Olley, assignors to Crouse-Hinds Company, Syracuse, N. Y. Cover for conduit outlet boxes. 1,777,530; Oct. 7.
- Pearson, Kenneth N., Netheravon, Shepperton, England. Aerofoll. 1,756,300; Apr. 29.
- Pearson, Laurence H., Nottingham, England. Apparatus for the electrical transmission of sound from gramophone records. 1,762,834; June 10.
- Pearson, Lawrence J. (See Holland, W. E., and Pearson.)
- Pearson, Lawrence J., Wyncote, assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Battery tester. 1,781,597; Nov. 11.
- Pearson Manufacturing Company. (See Pearson, Martin, assignor.)
- Pearson, Martin, assignor to Pearson Manufacturing Company, Inc., Robbinsdale, Minn. Can cleaning and sterilizing apparatus. 1,763,321; June 10.
- Pearson, Oscar, Minneapolis, Minn. Friction shoe. 1,775,211; Sept. 9.
- Pearson, Paul E. (See Troyer, N., and Pearson.)
- Pearson, Pierce M., Wauwatosa, assignor to Huebsch Manufacturing Company, Milwaukee, Wis. Conveyer. 1,747,388; Feb. 18.
- Pearson, Ragnar, Chicago, Ill. Check valve. 1,756,567; Apr. 29.
- Pearson, Richard W. (See Lichtenberg, E. H., and Pearson.)
- Pearson, Robert D. (See Martois, A. E., and Pearson.)
- Pearson, Robert D. (See Pierson, C. W., Fitzgerald, and Thomae, assignors.)
- Pearson, Roy S., Chicago, Ill. Tool. 1,747,790; Feb. 18.
- Pearson, Thomas V., Ogden, Utah, assignor to Parker Brothers, Inc., Salem, Mass. Card game. 1,775,782; Sept. 16.
- Pearson, Victor I., Hecla, S. Dak. Antenna. 1,756,436; Apr. 29.
- Pearson, Waldemar, Chicago, Ill. Siphon starter. 1,757,056; May 6.
- Pearson, Walter H. (See Burkhardt, C. C. C., and Pearson.)
- Pearsons, Ernest T., Lakewood, Ohio. Vehicle body. Des. 82,277; Oct. 14.
- Pearsons, Ernest T., assignor to The Baker-Rauland Company, Cleveland, Ohio. Vehicle. 1,769,544; July 1.
- Peart, Frederick L. (See Lunney, A. P., and Peart.)
- Pease, C. F., Company. (See Brunk, Harold J., assignor.)
- Pease, John A., assignor to Kleen Kap Corporation, Syracuse, N. Y. Apparatus for applying bottle closures. 1,765,030; June 17.
- Pease, John W., Rochester, N. Y. Fruit-paring machine. 1,752,997; Apr. 1.
- Pease, Orville E., Baldwin, N. Y., and N. G. Joseph, Bogota, N. J., assignors to F. J. Kloes, Inc., New York, N. Y. Universal support and gear casings. 1,744,686; Jan. 21.
- Pease, Orville E., Baldwin, N. Y., and N. G. Joseph, Bogota, N. J., assignors to F. J. Kloes, Inc., New York, N. Y. Journal and guide bracket. 1,760,772; May 27.
- Pease, William C., The Dalles, Oreg. Shoe-display rack. 1,745,706; Feb. 4.
- Peavler, Hiatt W., Los Angeles, Calif. Hair heater. 1,775,440; Sept. 9.
- Pebbles, Louise W., Hawthorne, N. J. Garment stretcher. 1,787,165; Dec. 30.
- Pech, Jacques L., Montpellier, France. Reflector for rays emitted by a luminous source. 1,756,301; Apr. 29.
- Pechan, Ignaz, Vienna, Austria, assignor to Czechoslovak Company: C. P. Goerz Optische Anstalt Aktiengesellschaft, Akciova Spolecnost K. P. Goerz Opticky Ustav, Bratislava, Czechoslovakia. Aiming telescope constructed as a breech sight. 1,771,345; July 22.
- Pechan, Ignaz, Vienna, Austria, assignor to the Czechoslovak Company: C. P. Goerz, Optische Anstalt Aktiengesellschaft, Akciova Spolecnost K. P. Goerz, opticky ustav, Bratislava, Czechoslovakia. Tripod head. 1,780,039; Oct. 28.
- Pêcheur, Henri, St.-Ouen, France. Automatic electric-circuit breaker. 1,779,888; Oct. 28.
- Peck Engraving Company, The. (See Peck, John A., assignor.)
- Peck, George C., Granite City, Ill. Radiator-testing device. 1,778,563; Oct. 14.
- Peck, Hugh A. (See Cleaver, William F., assignor.)
- Peck, Irving H., assignor to The Sterling Pin Company, Derby, Conn. Hairpin. 1,765,938; June 24.
- Peck, Jacob G., Portland, Oreg. Oil and gas separator. 1,762,097; June 3.
- Peck, Jess W. (See Yerrick, W. D., and Peck.)
- Peck, John A., assignor to The Peck Engraving Company, Cleveland, Ohio. Cleaning attachment for presses. 1,768,419; June 24.
- Peck, John S., Altrincham, and G. E. Gittins, Manchester, England, assignors to Westinghouse Electric and Manufacturing Company. Electrical protective device. 1,745,865; Feb. 4.
- Peck, John W., Fresno, Calif. Ditch cleaner. 1,765,031; June 17.
- Peck, Lawrence W., Chicago, Ill. Chamber-flushing device. 1,781,523; Nov. 11.
- Peck, Le Roy E., Riverton, Wyo., assignor to Columbian Carbon Company, New York, N. Y. Packing of carbon black. 1,761,228; June 3.
- Peck, Lionel S., Macedonia, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Wire clip. 1,745,332; Jan. 28.
- Peck, Stow and Wilcox Company, The. (See Platou, Leiv S., assignor.)
- Peck, William W., assignor to Muncie Gear Company, Muncie, Ind. Change-speed mechanism. 1,770,492; July 15.
- Peckelhoff, Bruno, Rahlstedt, near Hamburg, Germany. Fuel burner. 1,784,747; Dec. 9.
- Pecker, Joseph S., assignor to C. F. Boehmann, Philadelphia, Pa. Adjustable bearing for power-driven feed rolls. 1,777,807; Oct. 7.

- Peckinpough, Ernest H., Chattanooga, Tenn. Fish lure. 1,781,598; Nov. 11.
- Pecora, Rocco, Belton, Tex. Propeller-shaft thrust-bearing sleeve. 1,774,488; Aug. 26.
- Pedeltz, Walter B., Mason City, Iowa. Pulverizing process and apparatus. 1,783,975; Dec. 9.
- Pedersen, Dines C., Holbek, Denmark. Engine-driven rotary cultivator. 1,778,334; Oct. 14.
- Pedersen, Ingvald O., Pittsburgh, Pa., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Batch-feeding mechanism. 1,761,289; June 3.
- Pedersen, John D., Springfield, Mass. Coating cartridges. 1,780,566; Nov. 4.
- Pedersen, Oscar A., New York, N. Y. Concrete building unit. 1,768,626; July 1.
- Pedersen, Waldemar J., Floral Park, Long Island, N. Y. Building-wall section. 1,760,281; May 27.
- Pedersen, Waldemar J., Floral Park, Long Island, N. Y. Concrete mold. 1,760,282; May 27.
- Pedersen, Waldemar J., Floral Park, Long Island, N. Y. Concrete mold. 1,760,283; May 27.
- Pedersen, Walter B., Mount Vernon, N. Y. Golf club. 1,778,122; Oct. 14.
- Pederson, John P., assignor to Ditto, Incorporated, Chicago, Ill. Margin bar for hektograph machines. 1,766,352; June 24.
- Pedlar People Limited, The. (See Babe, William E., assignor.)
- Pedrick, Ireneé P., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector. 1,743,684; Jan. 14.
- Pedrin, Eugenio, Turin, Italy. Carburetor for internal-combustion engines. 1,785,045; Dec. 16.
- Peebles, Charles, Yonkers, N. Y. Safety control for gas stoves. 1,749,085; Mar. 4.
- Peebles, David D., Eureka, Calif. Drying apparatus and method. 1,761,149; June 3.
- Peebles, Dewey M., Pittsburg, Ill. Car coupling. 1,775,049; Sept. 2.
- Peebles, George B., Newark, N. J. Heat-insulating material. 1,757,470; May 6.
- Peebles, Herbert L., Denver, Colo. Dustless ash shovel. 1,762,347; June 10.
- Peebles, James, Dalrymple, Scotland. Apparatus for cleanings and filter beds and the like. 1,748,898; Feb. 25.
- Peebles, Thomas A., Mount Lebanon, assignor to J. M. Hopwood, Dormant, Pa. Combustion-control apparatus. 1,756,208; Apr. 29.
- Peebles, Thomas A., Mount Lebanon, assignor to J. M. Hopwood, Dormant, Pa. Combustion-control apparatus. 1,787,407; Dec. 30.
- Peek, Frank W., jr., Pittsfield, Mass., assignor to General Electric Company. Electric discharge device. 1,783,052; Nov. 25.
- Peek, Horace H., Chattanooga, Tenn. Sectional heating boiler. 1,758,171; May 13.
- Peel, Clarence H., Dundas, Ontario, Canada. Lawn mower. 1,751,054; Mar. 18.
- Peele, Hereward J. (See Blackburn, J., and Peele.)
- Peele, Hereward J., assignor to S. G. Adams Stamp & Stationery Company, St. Louis, Mo. Insignia device. 1,767,550; June 24.
- Peelen, Mattie, Sanborn, Iowa. Teaching device. 1,754,965; Apr. 15.
- Peelle, Charles W., New York, assignor to The Peelle Company, Brooklyn, N. Y. Center lock for counterbalanced elevator doors. 1,753,664; Apr. 8.
- Peelle Company, The. (See Peelle, Charles W., assignor.)
- Peelle Company, The. (See Peelle, John W., assignor.)
- Peelle Company, The. (See Peelle, Robert S., assignor.)
- Peelle, John W., New York, assignor to The Peelle Company, Brooklyn, N. Y. Elevator door. 1,763,858; June 17.
- Peelle, Robert S., New York, assignor to The Peelle Company, Brooklyn, N. Y. Warehouse door. 1,749,985; Mar. 11.
- Peelle, Robert S., New York, assignor to The Peelle Company, Brooklyn, N. Y. Warehouse door. 1,763,859; June 17.
- Peelle, Robert S., New York, assignor to The Peelle Company, Brooklyn, N. Y. Elevator door. 1,763,860; June 17.
- Peelle, Willis J., Chicago, Ill., assignor to Crown Cork and Seal Company, Inc., New York, N. Y. Forming screw caps. 1,778,960; Oct. 21.
- Peerless Awning Hardware Co., The. (See Thompson, Henry E., assignor.)
- Peerless Car & Equipment Co. (See Beasley, Starley F., assignor.)
- Peerless Ice Machine Company. (See Kritzer, Richard W., assignor.)
- Peerless Machinery Company, The. (See Anderson, Gustaf E., assignor.)
- Peerless Machinery Company. (See Lautenschlager, William F., assignor.)
- Peerless Manufacturing Company. (See Lancaster, Harry V., assignor.)
- Peerless Paper Box Manufacturing Company, The. (See Case, Francis M., assignor.)
- Peerless Pump Company. (See Wintroath, John A., assignor.)
- Peerless Springs, Inc. (See Kiwi, Walter, assignor.)
- Peerless Springs, Inc. (See Landell, Coates E., assignor.)
- Peerless Supply Company. (See Puckett, William H., assignor.)
- Peet, Ed E., Chetek, Wis. Milking stool. 1,760,716; May 27.
- Peglow, Albert F., Grosse Pointe Park, Mich. Gauge. 1,760,717; May 27.
- Pegna, Giovanni, assignor of one-half to Società Anonima Piaggio & C., Genoa, Italy. Fin system for hydro-aeroplanes and for water aircraft. 1,776,700; Sept. 23.
- Pegram, James B., Bridgeton, N. J. Alarm. 1,781,245; Nov. 11.
- Pehrsson, Erik G., assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden. Micrometer or the like. 1,760,372; May 27.
- Peik, Paul G., Chicago, Ill. Lamp. 1,775,690; Sept. 16.
- Peik, Paul G., Chicago, assignor of one-fourth to S. R. Swenson, Evanston, Ill. Lamp. 1,775,689; Sept. 16.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Bar splice for woven-wire fabrics. Re17,774; Aug. 19.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 1,755,792; Apr. 22.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for delivering molten glass. 1,756,492; Apr. 29.
- Peiler, Karl E., West Hartford, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 1,756,493; Apr. 29.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding molten glass. 1,760,254; May 27.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Cooling mechanism for glass-feeder shear blades. 1,760,255; May 27.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Shear mechanism for glass feeders. 1,760,435; May 27.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Suction bottle machine. 1,764,805; June 17.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Connection for woven-wire conveyers. 1,769,901; July 1.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 1,770,994; July 22.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Roller conveyer. 1,772,584; Aug. 12.
- Peiler, Karl E., West Hartford, assignor, by mesne assignments, to Hartford-Empire Company. Feeding molten glass. 1,773,544; Aug. 19.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Automatic stop mechanism for glass-feeding apparatus. 1,776,237; Sept. 16.
- Peiler, Karl E., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 1,781,340; Nov. 11.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for gathering glass. 1,785,209; Dec. 16.
- Peirce, Charles L., jr., Pittsburgh, Pa. Metal plating. 1,748,363; Feb. 25.
- Peirce, Charles L., jr., Pittsburgh, Pa., assignor of one-half to Hubbard and Company. Guy rod and making it. 1,753,216; Apr. 8.
- Peirce, Charles L., jr., Pittsburgh, Pa., assignor of one-half to Hubbard and Company. Making secondary racks. 1,779,489; Oct. 28.
- Peirce, Clarence A. (See Buckendale, L. R., and Peirce.)
- Peirce, John R., assignor to International Business Machines Corporation, New York, N. Y. Hand punch. 1,745,910; Feb. 4.
- Peirce, John R., assignor to International Business Machines Corporation, New York, N. Y. Perforated-card-controlled machine. 1,750,191; Mar. 11.
- Peirce, John R., assignor to International Business Machines Corporation, New York, N. Y. Record comparing and posting machine. 1,761,741; June 3.
- Peirce, John R., assignor to International Business Machines Corporation, New York, N. Y. Portable perforating and printing machine. 1,775,172; Sept. 9.
- Peirce, John R., assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 1,777,892; Oct. 7.
- Peirce, John R., assignor to International Business Machines Corporation, New York, N. Y. Printing-tabulating machine. 1,780,685; Nov. 4.
- Peirce, William B., Coraopolis, assignor to Pittsburgh Screw & Bolt Corporation, Pittsburgh, Pa. Magnetic machine for operating on bolts, nuts, and the like. 1,762,192; June 10.
- Peirce, William H., Baltimore, Md., assignor to American Smelting & Refining Company, New York, N. Y. Ladle. 1,755,411; Apr. 22.
- Peirson, Cecil R., Bloomfield, N. J. Windshield cleaner. 1,766,529; June 24.
- Peitzman, Clarence F., Dallas County, Iowa. Valve for maintaining constant liquid height in tanks. 1,787,420; Dec. 30.
- Pekar, Frank, Bridgeport, Conn. Burglarproof safety window lock and antirattling device. 1,778,913; Oct. 21.
- Pelco Auto Products, Inc. (See Pelletier, Henry E., assignor.)

- Pellegrino, Vincenzo, Rye, N. Y. Suspended cover. 1,759,628; May 20.
- Pellegrino, Vincenzo, Rye, N. Y. Safety parachute device for aeroplanes. 1,786,169; Dec. 23.
- Pellerin, Georges, Malaunay, France. Apparatus for melting fatty substances. 1,751,713; Mar. 25.
- Pelletier, Alfred G. (See Bernier, Wilfred L., assignor.)
- Pelletier, Emile J., Brooklyn, N. Y. Apparatus for resoling shoes. 1,777,676; Oct. 7.
- Pelletier, Emmet F., St. Joseph, and W. E. Bandlow, Benton Harbor, Mich. Fuse plug. 1,751,055; Mar. 18.
- Pelletier, Frank, New York, N. Y. Ice retainer for water pitchers. 1,759,588; May 20.
- Pelletier, Henry E., Jersey City, N. J., assignor to Pelco Auto Products, Inc., New York, N. Y. Liquid-fuel purifier. 1,744,837; Jan. 28.
- Pelloni, John, Ellwood City, Pa. Automatic alarm signal. 1,745,555; Feb. 4.
- Pelster, Edwin W., St. Louis, Mo. Axle structure. 1,783,977; Dec. 9.
- Pelster, Edwin W., St. Louis, Mo. Combustion device. 1,785,046; Dec. 16.
- Peltier, Frank D., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 1,760,168; May 27.
- Peltier, Frank D., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Check valve for compressors and the like. 1,779,447; Oct. 28.
- Peltier, Remy, Riverside, N. J. Stop light for automobiles. Des. 81,398; June 17.
- Pelton, Clifford L., Norristown, Pa. Aerial distribution of materials. 1,749,504; Mar. 4.
- Pelton, Clyde S., Cleveland Heights, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Motor-car heater. 1,745,316; Jan. 28.
- Pelton, George M., assignor to The Filer & Stowell Co., Milwaukee, Wis. Mechanism for shifting the saws of gang edgers. 1,744,499; Jan. 21.
- Pelton, George M., assignor to The Filer & Stowell Co., Milwaukee, Wis. Sawmill carriage. 1,746,554; Feb. 11.
- Pelton, George M., assignor to The Filer & Stowell Co., Milwaukee, Wis. Sawmill-dogging means. 1,749,108; Mar. 4.
- Pelton, George M., assignor to The Filer & Stowell Co., Milwaukee, Wis. Sawmill carriage. 1,749,109; Mar. 4.
- Pelton, George M., assignor to The Filer & Stowell Co., Milwaukee, Wis. Sawmill carriage. 1,749,110; Mar. 4.
- Pelton, George M., assignor to The Filer & Stowell Company, Milwaukee, Wis. Receding mechanism. 1,786,261; Dec. 23.
- Pelton, George M., assignor to The Filer & Stowell Company, Milwaukee, Wis. Setwork. 1,786,776; Dec. 30.
- Pelton, John C., Santa Barbara, Calif. Block-ejecting machine. 1,754,484; Apr. 15.
- Pelton, John C., Santa Barbara, Calif. Compacting mechanism. 1,784,385; Dec. 9.
- Pelton, John C., assignor of forty per cent to P. R. Babcock, Santa Barbara, and thirty per cent to H. Hawgood, South Pasadena, Calif. Apparatus for compacting plastic materials. 1,747,555; Feb. 18.
- Pelton, Louis, Chicago, Ill. Bathing suit. 1,745,637; Feb. 4.
- Pelton, Robert C., deceased, Bloomdale, Ohio; M. K. Fox, administrator. Cultivator fender. 1,773,853; Aug. 26.
- Pelton Water Wheel Company, The. (See Foulds, Charles V., assignor.)
- Pelton Water Wheel Company, The. (See Orton, Ernest W., assignor.)
- Pelton Water Wheel Company, The. (See Orton, E. W., and Foulds, assignors.)
- Pelton, William F., assignor of one-half to F. S. Gildea, Brooklyn, N. Y. Hand or finger grip. 1,761,582; June 3.
- Pelz, Otto A., Brooklyn, N. Y. Automobile theft alarm. 1,785,875; Dec. 23.
- Pelzer, Harold H., Astoria, N. Y., assignor to Sanitary Automatic Candy Corporation. Vending cabinet. Des. 81,721; July 29.
- Pelzer, Harold H., Astoria, N. Y., assignor to Sanitary Automatic Candy Corporation. Vending cabinet. Des. 81,722; July 29.
- Pelzer, Harold H., Astoria, N. Y., assignor to Sanitary Automatic Candy Corporation. Vending cabinet. Des. 81,993; Sept. 9.
- Pelzer, Harry L. (See Herthel, E. C., and Pelzer.)
- Pelzer, Harry L. (See Herthel, E. C., Pelzer, and Stafford.)
- Pelzer, Harry L., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,770,287; July 8.
- Pelzer, Harry L., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,774,291; Aug. 26.
- Pelzer, Harry L., and E. C. Herthel, assignors to Sinclair Refining Company, Chicago, Ill. Cracking heavy hydrocarbons to produce lighter hydrocarbons and coke. 1,757,843; May 6.
- Pemberton, Uz C., Seffner, Fla. Artificial bait. 1,750,783; Mar. 18.
- Pemberton, Uz C., Seffner, and J. B. Johnson, Tampa, Fla. Artificial bait. Des. 80,908; Apr. 8.
- Pemberton, James D., Pontiac, Mich., assignor to Beck-Frost Corporation, Toledo, Ohio. Composite gear-shift handle grip. 1,763,566; June 10.
- Penaluna, Andriena V., Butte, Mont. Lamp shade or similar article. Des. 82,053; Sept. 16.
- Penberthy, Ernest, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid-pressure tool. 1,769,036; July 1.
- Penberthy, Frank A., Canton, Ohio. Smoke consumer and fuel economizer. 1,742,931; Jan. 7.
- Penberthy Injector Company. (See Yoder, Howard D., assignor.)
- Pence, Henry R., Marion, Ind. Cultivator shovel, weeder, and mulcher. 1,769,545; July 1.
- Pence Lillie M., Roanoke, Va. Ear protector. 1,772,223; Aug. 5.
- Pencil Mechanism Corporation. (See Woelm, Alfred, assignor.)
- Pendelton, Morris B. (See Aron, Glen M., assignor.)
- Pender, Harold, Merion, Pa. Electrical resistance and formation of the same. 1,771,055; July 22.
- Pender, Harold, Merion, Pa. Electrical resistance construction. 1,771,056; July 22.
- Pendergast, Overton W., Terre Haute, Ind. Tag. 1,750,192; Mar. 11.
- Pendergast, Overton W., Terre Haute, Ind. Glue and paste spreader. 1,772,401; Aug. 5.
- Pendergrass, James A., Franklin Furnace, Ohio. Tail skid for aircraft. 1,744,572; Jan. 21.
- Pendergrass, James A., Franklin Furnace, Ohio. Aircraft pontoon. 1,755,932; Apr. 22.
- Pendery, Edward, assignor to The Higgin Manufacturing Company, Newport, Ky. Glass-fastening device. 1,756,302; Apr. 29.
- Pendery, Edward W., assignor to The Higgin Manufacturing Company, Newport, Ky. Screen installation. 1,779,636; Oct. 28.
- Pen Desk Set Company. (See Fremon, J. A., and De Haven, assignors.)
- Pen Desk Set Company. (See Sheaffer, W. A., and Cuthbert, assignors.)
- Pen Desk Set Company. (See Wahl, John C., assignor.)
- Pendleton, Frank E., Montclair, N. J. Electrical timing device. 1,757,733; May 6.
- Pendleton, Vernon A., Minneapolis, Minn. Refrigerating ice-cream-cone dispenser. 1,745,556; Feb. 4.
- Penecke, Walther, Graz, Austria, assignor to F. Bensa, Genoa, Italy. Manufacturing a green vat dyestuff from 1,12 perylene quinone. 1,783,137; Nov. 25.
- Peneff, Georg, Berlin-Wilmersdorf, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Tiller. 1,783,153; Nov. 25.
- Penfield, Raymond C., New York, N. Y. Method of and automatic means for hacking brick. 1,760,993; June 3.
- Penfold, Albert E., Birmingham, England, assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Tennis ball and the like and the manufacture thereof. 1,771,861; July 29.
- Pengilly, Joseph H., and V. Brown, assignors to Diamond Electrical Manufacturing Company, Ltd., Los Angeles, Calif. Plugging device. 1,787,260; Dec. 30.
- Penkoff, Peter B., Toledo, Ohio. Dancing doll. Des. 81,500; July 1.
- Penley, Benjamin S., Philadelphia, Pa. Method of and apparatus for breaking and separating. 1,771,734; July 29.
- Penn, Albert, assignor to Penn Electric Switch Co., Des Moines, Iowa. Temperature-control-switch structure. 1,749,392; Mar. 4.
- Penn, Albert, assignor to Penn Electric Switch Co., Des Moines, Iowa. Float-operated switch. 1,783,448; Dec. 2.
- Penn, Albert, assignor to Penn Electric Switch Co., Des Moines, Iowa. Automatic temperature-controlling device. 1,786,083; Dec. 23.
- Penn Art Steel Works. (See Willson, Job H., assignor.)
- Penn, Charles A., assignor to The American Tobacco Company, New York, N. Y. Cigarette package. 1,759,366; May 20.
- Penn Electric Switch Co. (See Penn, Albert, assignor.)
- Penn, Frederick H., Dallas, Tex. Resolving oil emulsions and reagents therefor. 1,758,802; May 13.
- Penn, Frederick H., Dallas, Tex. Resolving emulsions. 1,771,096; July 22.
- Penn Hardware Company. (See Wolff, Wilhelm, assignor.)
- Penn Metal Company. (See Baker, Herbert K., assignor.)
- Penn Metal Company. (See Dolan, James P., assignor.)
- Penn National Bank and Trust Company, The, executor. (See Printz, Daniel F.)
- Penn Tobacco Company. (See Weigand, H., and Schobert, assignors.)
- Penner, Jacob A., Windsor, Ontario, Canada. Automobile door hinge. 1,769,273; July 1.
- Penner, Otto H., Minneapolis, Minn. Adjustable double roller bearing. 1,761,490; June 3.
- Penney, Clarence J., New York, N. Y. Container or tube for dentifrice. 1,760,773; May 27.
- Penney, Clarence R., assignor to C. V. Ray, Des Moines, Iowa. Hydraulic dredging machine. 1,777,575; Oct. 7.
- Penney, Gaylord W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Device for detecting oxygen in hydrogen. 1,773,834; Oct. 21.
- Pennick, John H., Valleyford, Wash. Toy airplane. 1,775,252; Sept. 9.
- Penning, Nicholas J., Pittsburgh, Pa., assignor to Duplate Corporation. Apparatus for severing composite glass. 1,771,510; July 29.
- Pennington, Elonza A., Arkadelphia, Ark. Air-storage tank. 1,782,271; Nov. 18.

- Pennington, Harry R., Chicago, Ill., assignor to Hollup Corporation. Coating for welding rods. 1,745,267; Jan. 28.
- Pennington, Harry R., Chicago, Ill., assignor to Hollup Corporation. Metallic welding rod. 1,756,568; Apr. 29.
- Pennington, John R. (See Pennington, William D. and J. R.)
- Pennington, Olive B., administratrix. (See Pennington, William D., and J. R.)
- Pennington, T. R. (See Phillips, Roy, assignor.)
- Pennington, William D., and J. R. Pennington, deceased, Chicago, Ill.; O. B. Pennington, administratrix, assignors, by mesne assignments, to said William D. Pennington. Coin bank. 1,744,687; Jan. 21.
- Pennington, William D., and J. R. Pennington, deceased, Chicago, Ill.; O. B. Pennington, administratrix, assignor, by mesne assignments, to said William D. Pennington. Clock bank. 1,744,688; Jan. 21.
- Pennington, William D., and J. R. Pennington, deceased, Chicago, Ill.; O. B. Pennington, administratrix, assignor, by mesne assignments, to said William D. Pennington. Clock bank. 1,744,689; Jan. 21.
- Pennington, William D., and J. R. Pennington, deceased, Chicago, Ill.; O. B. Pennington, administratrix, assignor, by mesne assignments, to said William D. Pennington. Clock bank. 1,744,690; Jan. 21.
- Pennock, Charles A., assignor to Richard Hudnut, New York, N. Y. Face-powder box. 1,747,318; Feb. 18.
- Pennsylvania Crusher Company. (See Anderson, Oscar, assignor.)
- Pennsylvania Crusher Company. (See Battey, W. A., and Jamison, assignors.)
- Pennsylvania Crusher Company. (See Borton, George W., assignor.)
- Pennsylvania Crusher Company. (See Jamison, Charles A., assignor.)
- Pennsylvania Crusher Company. (See Plimpton, John A., assignor.)
- Pennsylvania Crusher Company. (See Stine, James E., assignor.)
- Pennsylvania Engineering Works. (See Allen, Lee E., assignor.)
- Pennsylvania Lubricating Company. (See Wasson, Joseph C., assignor.)
- Pennsylvania Pump Company. (See Marsh, Walter H., assignor.)
- Pennsylvania Rubber Company. (See Hurlburt, Lee R., assignor.)
- Pennsylvania Textile Mills, Inc. (See Biva, Lucien, assignor.)
- Penn-Union Electric Corporation. (See Stoeltzlen, Charles L., assignor.)
- Penote, Augustus J., Shaker Heights Village, Ohio. Tamper mechanism. 1,748,655; Feb. 25.
- Penrod Walnut and Veneer Company. (See Stone, John S., assignor.)
- Penrose, George G., Chicago, Ill. Packing carton. 1,752,504; Apr. 1.
- Penrose, Grace, New Paris, Pa. Holder and protector for artificial flowers. 1,767,940; June 24.
- Pensotti, Ezio, Milan, Italy. Method and device for dividing bread dough into cakes. 1,777,178; Sept. 30.
- Pentecost, Arthur, Montclair, N. J. Call register. 1,763,719; June 17.
- Pentland, Moses, Newberry, Mich. Automobile safety attachment. 1,748,426; Feb. 25.
- Pentler, Sigmund J., and O. R. Short, Wausau, Wis. Skiving machine. 1,787,052; Dec. 30.
- Penton, Ivan B. (See Dawson, V. B., and Penton.)
- Pentz, Albert D., assignor to Pentz Motor Brake Corporation, New Brighton, N. Y. Brake system for automobiles. 1,771,057; July 22.
- Pentz, Albert D., assignor to Pentz Motor Brake Corporation, New Brighton, N. Y. Fluid-pressure brake. 1,780,656; Nov. 4.
- Pentz Motor Brake Corporation. (See Pentz, Albert D., assignor.)
- Peo, Ralph F., Kenmore, assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,781,127; Nov. 11.
- Peoples, Charles B. (See Bradford, J., and Peoples.)
- Peoples Clamp Corporation. (See Ross, Frederick N., assignor.)
- Peoples Gas By-Products Corporation. (See Guthrie, R. G., and Wozasek, assignors.)
- Peoples, John S., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for measuring and recording pressures. 1,778,508; Oct. 14.
- Peperkorn, Heinrich. (See Hartmann, O. H., and Peperkorn.)
- Peperkorn, Heinrich, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. Indirectly-heated steam generator. 1,781,764; Nov. 18.
- Pepinster, Ernest L. H., and F. Genève, Paris, France. Carburetor. 1,765,175; June 17.
- Pepper, Byron J., Fort Wayne, Ind. Thermostat. 1,784,465; Dec. 9.
- Pepper, David, Philadelphia, Pa. Casting machine for battery grids. 1,786,629; Dec. 30.
- Pepper, Dr., Company. (See O'Hara, John B., assignor.)
- Pepper, John W., Brownsville, Ontario, Canada. Dirigible headlight. 1,773,467; Aug. 19.
- Pepper, Russell J., Kenmore, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Material agitation. 1,760,374; May 27.
- Pequod Realty Corporation. (See Dalton, Nelson W., assignor.)
- Percy, Carl, Inc. (See Heinz, Richard, assignor.)
- Perebenda, Frank, Harrison, N. J. Clothesline support. 1,775,253; Sept. 9.
- Perebenda, Frank, Harrison, N. J. Lock. 1,777,105; Sept. 30.
- Perebenda, Frank, Harrison, N. J. Clothespin. 1,781,031; Nov. 11.
- Perego, James A., Elizabeth, La. Auxiliary soap-cake cover. 1,782,859; Nov. 25.
- Perez, Haim M., Newport Beach, Calif. Land and water aeroplane. 1,771,724; July 29.
- Perez, Haim M., Newport Beach, Calif. Aeroplane propeller and governor. 1,773,434; Aug. 19.
- Perez, Manual V., and J. P. Rambaud, Miami, Ariz. Combination lock. 1,778,603; Oct. 14.
- Perez y Perez, Estela. (See Nalon, Thomas M., assignor.)
- Perez y Perez, Estela, executrix. (See Lopez, Miguel.)
- Perez y Perez, Estela, et al. (See Lopez, Miguel, assignor.)
- Perez, Waldo F., Jacksonville, Fla. Gasoline-dispensing pump. 1,751,880; Mar. 25.
- Perfect Anti-Freeze Company, The. (See Collins, Julius G., assignor.)
- Perfect Circle Company, The. (See Teetor, Charles N., assignor.)
- Perfect Circle Company, The. (See Teetor, Macy O., assignor.)
- Perfect E. Z. Chair Corporation. (See Dujardin, Henri, assignor.)
- Perfect E. Z. Chair Corporation. (See Weinigel, John, assignor.)
- Perfection Driving Light Co., The. (See Johnston, William R., assignor.)
- Perfection Faucet Mfg. Corporation. (See Schimmel, Lloyd G., assignor.)
- Perfection Ice Scoring Machine Company, The. (See Roark, Robert H., assignor.)
- Perfection Manufacturing Company, The. (See Eberle, John A., assignor.)
- Perfection Stove Company. (See Chadwick, L. S., and Resek, assignors.)
- Perfection Stove Company. (See Keith, David F., assignor.)
- Perfection Stove Company. (See Resek, Marc., assignor.)
- Perfectlite Company, The. (See Jaffe, Joseph L., assignor.)
- Perfelite Company, The. (See Jaffe, J. L., and Monroe, assignors.)
- Perfex Corporation. (See MacLeod, Daniel T., assignor.)
- Perhats, Frank. (See Perhats, Paul and F.)
- Perhats, Paul and F., Chicago, Ill. Paper-trimming machine. 1,769,602; July 1.
- Perin, Donald W., Brookline, Mass., assignor to American Freight Service, Inc., New York, N. Y. Latching mechanism. 1,743,387; Jan. 14.
- Perino, Josef, Stettin, Germany. Manufacturing a vegetable alimentary extract. 1,754,434; Apr. 15.
- Perkins, Albert G., Buffalo, N. Y. Seaming tool for pipe joints. 1,743,477; Jan. 14.
- Perkins, B. F., & Son, Inc. (See Cowley, James A., assignor.)
- Perkins, B. F., & Son, Inc. (See Hamilton, John H., assignor.)
- Perkins, B. F., & Sons, Inc. (See Hamilton, J. H., assignor, and Williams.)
- Perkins, B. F., & Son, Inc. (See Lade, Archibald, assignor.)
- Perkins, B. F., & Son, Inc. (See Senna, Samuel N., assignor.)
- Perkins, Benjamin F., Holyoke, Mass. Body for automobiles or the like. Des. 80,507; Feb. 11.
- Perkins, Bert B., Monticello, Minn. Harrow teeth. 1,751,493; Mar. 25.
- Perkins, Brayton M., Mounds, Utah. Order crane. 1,782,936; Nov. 25.
- Perkins Cementing, Inc. (See Wickersham, Newton W., assignor.)
- Perkins, George B., Eureka, Colo. Safety device. 1,746,163; Feb. 4.
- Perkins, George H., Wellesley, assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 81,844; Aug. 19.
- Perkins, George H., Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Boston, Mass. Textile fabric. Des. 82,278; Oct. 14.
- Perkins, George H., assignor to Warren Brothers Company, Cambridge, Mass. Spreading bituminous mixtures. 1,766,188; June 24.
- Perkins, George H., Salem, Mass., assignor to The Esmond Mills, Esmond, R. I. Method of and apparatus for use in weaving. 1,778,335; Oct. 14.
- Perkins, George H., Salem, Mass., assignor to The Esmond Mills, Esmond, R. I. Method of and apparatus for weaving. 1,778,336; Oct. 14.
- Perkins, Mitchell D., Detroit, Mich. Locking device for tire rims. 1,778,466; Oct. 14.
- Perkins, George W., administrator. (See Smith, George M.)
- Perkins, Jonathan, Los Angeles, Calif. Toy. 1,763,903; June 17.

- Perkins, Julian L., assignor to Perkins Machine & Gear Company, West Springfield, Mass. Laying out gears. 1,763,177; June 10.
- Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine and Gear Company, West Springfield, Mass. Oil-circulating system. 1,754,040; Apr. 8.
- Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine and Gear Company, West Springfield, Mass. Variable driving mechanism. 1,755,127; Apr. 15.
- Perkins, Laurence M., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Condenser and transformer unit. 1,761,535; June 3.
- Perkins, Laurence M., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Electric motor. 1,766,799; June 24.
- Perkins, Louis E., New York, N. Y. Lamp. 1,757,975; May 13.
- Perkins Machine and Gear Company. (See Croft, Hiram D., assignor.)
- Perkins Machine & Gear Company. (See Perkins, Julian L., assignor.)
- Perkins Machine and Gear Company. (See Perkins, J. L., and Croft, assignors.)
- Perkins, Melville F., Tacoma, Wash., and C. W. Hanson, Perth Amboy, and B. M. O'Harra, Westfield, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Treating mixtures of oxy salts of arsenic, antimony, and tin. 1,756,007; Apr. 22.
- Perkins, Nathan W., East Orange, assignor to Ellis Adding Typewriter Company, Newark, N. J. Subtraction control for calculating machines. 1,761,742; June 3.
- Perkins, Paul G., Sauquoit, N. Y. Attachment for spring-beard knitting machines. 1,758,716; May 13.
- Perkins, Ralph N., Omaha, Nebr. Filtering system. 1,758,331; May 13.
- Perkins, Robert L. (See Moses, F. G., Hess, and Perkins.)
- Perkins, William O., Buckner, Va. Rocking chair. 1,778,685; Oct. 14.
- Perks, George W., assignor to J. R. Gammeter, Akron, Ohio. Traction device. 1,753,349; Apr. 8.
- Perks, George W., assignor to The George W. Perks Company, Akron, Ohio. Mounting for abrasive wheels or the like. 1,756,259; Apr. 29.
- Perks, George W., Company, The. (See Perks, George W., assignor.)
- Perks, Thomas E., Auckland, New Zealand. Separation, by distillation, of miscible liquids. 1,774,210; Aug. 26.
- Perky, Scott H., Batavia, N. Y. Making cereal product. 1,744,500; Jan. 21.
- Perla, Samuel. (See Hellvik, R. R., and Perla.)
- Perla, Samuel. (See Shapiro, Hyman, assignor.)
- Perla, Samuel, Brooklyn, N. Y. Lamp. Des. 82,584; Nov. 18.
- Perlesz, Hugo, Cedarsburg, assignor to American Electric Motor Company, Milwaukee, Wis. Totally inclosed and ventilated electric machine. 1,759,415; May 20.
- Perlis, Paul, et al. (See Fairhill, Morris S., assignor.)
- Pertman, Abraham, New York, N. Y. Door operating and locking mechanism. 1,781,297; Nov. 11.
- Pertman, David, New Orleans, La. Four-cylinder, four-cycle cam and lever radial motor. 1,777,179; Sept. 30.
- Pertmutter, Harry, Brooklyn, N. Y. Body suspension for baby carriages. 1,782,742; Nov. 25.
- Permachrome Process Corporation. (See Bedo, Joseph assignor.)
- Permold Company, The. (See Dimeo, James J., assignor.)
- Permold Company, The. (See Fahlman, Everett G., assignor.)
- Permutit Company, The. (See Behrman, Abraham S., assignor.)
- Permutit Company, The. (See Green, Walter H., assignor.)
- Permutit Company, The. (See Hodgkinson, George F., assignor.)
- Permutit Company, The. (See Kriegsheim, Heinrich, assignor.)
- Permutit Company, The. (See Kriegsheim, H., and Vaughan, assignors.)
- Permutit Company, The. (See Liebknecht, Otto, assignor.)
- Permutit Company, The. (See Partridge, E. M., and Scarritt, assignors.)
- Permutit Company, The. (See Pick, Eric, assignor.)
- Permutit Company, The. (See Vaughan, W., and Bruce, assignors.)
- Pernek, Thomas, sr., Hartford, Conn. Automatic alarm signal. 1,750,488; Mar. 11.
- Pernot, Frederick E., London, England. Multichannel telegraphy. 1,770,800; July 15.
- Perrault, Joseph E., Watertown, and H. G. Ellis, Waltham, assignors, by mesne assignments, to Hood Rubber Company, Inc., Watertown, Mass. Apparatus for manipulating rubber treads for tires. 1,751,597; Mar. 25.
- Perrault, Joseph E., Watertown, and H. L. Davis, Walpole, Mass., assignors, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Machine for manufacturing casings for pneumatic tires. 1,762,453; June 10.
- Perrelly, Pasco, Garfield, N. J. Pedal-locking device. 1,770,801; July 15.
- Perrera, Atilio, Paris, France. Pocket lighter. 1,755,746; Apr. 22.
- Perret, Edouard. (See Lachamp, E., and Perret.)
- Perrett, Ivor G., Osterley, England. Valve-controlling mechanism. 1,745,707; Feb. 4.
- Perretti, Frank, San Francisco, Calif. Clock-actuating mechanism. 1,743,001; Jan. 7.
- Perrigo, Howard A. (See Rida, W. A., and Perrigo.)
- Perrin, Edouard A., Le Vesinet, France. Single-screw rapid helicopter. 1,775,783; Sept. 16.
- Perrin, James E., assignor to The De Vilbiss Company, Toledo, Ohio. Sprayhead. 1,760,373; May 27.
- Perron, Gabriel W., Willimansett, Mass. Automobile door screen. 1,758,849; May 13.
- Perrot Brake Corporation. (See Dodge, Adiel Y., assignor.)
- Perry, Antone J., Philadelphia, Pa., assignor to United Shoe Machinery Corporation, Paterson, N. J. Workholding device. 1,745,379; Feb. 4.
- Perry, David B., assignor to Morse Chain Company, Ithaca, N. Y. Oiling system for chain drives. 1,771,346; July 22.
- Perry, David B., assignor to Morse Chain Company, Ithaca, N. Y. Lubricating system for chain drives. 1,783,978; Dec. 9.
- Perry, Edna A., executrix. (See Perry, Frederick H.)
- Perry, Edward W., and G. A. Hudson, Winnipeg, Manitoba, Canada. Pocket holder. 1,784,312; Dec. 9.
- Perry, Ernest J. (See Head, T. W., and Perry.)
- Perry, Ernest J., Birmingham, England. Loom for weaving carpets and like fabrics. 1,759,322; May 20.
- Perry, Fred D., assignor to H. R. French, East Bakersfield, Calif. Pocket-comb clip. 1,786,674; Dec. 30.
- Perry, Frederick E. (See Muros, Joseph, assignor.)
- Perry, Frederick H., deceased, by E. A. Perry, executrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat-fitting machine. 1,773,276; Aug. 19.
- Perry, Harry, Brooklyn, assignor of one-half to J. M. Cole, New York, N. Y. Casting and making the same. 1,743,567; Jan. 14.
- Perry, Harry W., East Orange, N. J. Device for suspending and retaining footwear. 1,746,962; Feb. 11.
- Perry, John. (See Twyman, F., and Perry.)
- Perry, John A., Maidstone, Victoria, Australia. Carburetor. 1,776,192; Sept. 16.
- Perry, John E., Sharon, assignor to Valley Mould and Iron Corporation, Sharpsville, Pa. Ingot mold with chilled matrix walls and apparatus for making same. 1,747,679; Feb. 18.
- Perry, John E., and J. A. Lanigan, Youngstown, assignors to Valley Mould and Iron Corporation, Hubbard, Ohio. Molding apparatus for ingot molds. 1,672,125; June 3.
- Perry, John W., Wheeling, W. Va. Tin-pack-handling mechanism for heating furnaces. 1,772,554; Aug. 12.
- Perry, Lindon A., Worth, assignor to Chicago Pottery Company, Chicago, Ill. Mold for making vitreous china articles. 1,776,701; Sept. 23.
- Perry, Marsden J., jr., Providence, R. I. Pitcher. Rel. 7,863; Nov. 11.
- Perry, Miles D., Parkers Landing, Pa. Oil-well pulling machine. 1,784,311; Dec. 9.
- Perry, Oscar B., San Francisco, Calif. Dredging machine. 1,762,794; June 10.
- Perry, Ray P., Upper Montclair, N. J., assignor to The Barrett Company, Shingle. 1,742,724; Jan. 7.
- Perry, Robert W., and P. E. Abell, Newport, R. I. Sewslide for portable electric sewing machines. 1,742,932; Jan. 7.
- Perry, Stanley, assignor to Automatic Burner Corporation, Chicago, Ill. Thermostatic device. 1,756,660; Apr. 29.
- Perry, Stanley, assignor to Automatic Burner Corporation, Chicago, Ill. Controlling mechanism for oil burners. 1,782,937; Nov. 25.
- Perry, Thomas O., deceased, Oak Park, Ill.; The Northern Trust Company, executor. Regenerating mechanism for water-softening zeolites. 1,768,711; July 1.
- Perry, William C., London, England, assignor to The Western Union Telegraph Company, New York, N. Y. Combination telegraph transmitter and regenerator. 1,762,795; June 10.
- Perry, William J., Shooter's Hill, London, England, assignor to The India Rubber Gutta Percha & Telegraph Works Company Limited, London, England. Golf ball. Des. 80,740; Mar. 18.
- Perry, William R., assignor to Reeves Pulley Company, Columbus, Ind. Synchronous variable-speed electric machine drive. 1,757,734; May 6.
- Perryman Electric Co. (See Perryman George H., assignor.)
- Perryman, George H., Woodcliff, N. J., assignor to Perryman Electric Co., Inc. Vacuum tube. 1,759,865; May 27.
- Persinger, Clarence A., Sioux City, Iowa. End gate. 1,759,323; May 20.
- Persinger, James F., Lander, Wyo. Nonskid-chain tightener. 1,785,323; Dec. 16.
- Person, Adolphe A., assignor of one-half to Elliston & Cavell Limited, Oxford, England. Wearing apparel. 1,752,927; Apr. 1.
- Person, Axel, assignor to Harvey Clap & Co., Attleboro, Mass. Construction for bracelets and the like. 1,744,175; Jan. 21.
- Person, Axel, assignor to Harvey Clap & Co., Attleboro, Mass. Bracelet construction. 1,777,015; Sept. 30.
- Persons, Charles A., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Ball-bearing pedal for bicycles, etc. 1,782,973; Nov. 25.

- Person, Harry J., assignor to Harry J. Person & Son Incorporated, Lansing, Mich. Mausoleum construction. 1,752,572; Apr. 1.
- Person, Harry J., & Son Incorporated. (See Person, Harry J., assignor.)
- Persons, Charles A., Worcester, Mass. Shock absorber. 1,746,902; Feb. 11.
- Persons, Charles A., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Saddle for motor cycles and the like. 1,763,817; June 17.
- Persons, Laurence M., assignor to Cook Electric Company, Chicago, Ill. Regulator. 1,746,674; Feb. 11.
- Persons, Lawrence M. (See Folds, G. R., and Persons.)
- Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Fuel-feed system. 1,746,441; Feb. 11.
- Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Flexible coupling. 1,752,106; Mar. 25.
- Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Pump. 1,755,611; Apr. 22.
- Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Pump. 1,765,698; June 24.
- Persons-Majestic Manufacturing Company. (See Persons, Charles A., assignor.)
- Persoons, Alphonse. (See Persoons, Jules and A.)
- Persoons, Jules and A., Thildonck, Brabant, Belgium. Cream separator. 1,748,391; Feb. 25.
- Persson, Edwin, Estevan, Saskatchewan, Canada. Closure cap for radiators, water tanks, pressure tanks, gas tanks, and the like. 1,784,198; Dec. 9.
- Persson, Per B., Malmo, Sweden. Disengaging gear for lifeboats. 1,751,289; Mar. 18.
- Perthel, Carl F., Northfield, N. H. Trousers support and attaching means. 1,752,199; Mar. 25.
- Peru Plow & Wheel Co. (See Fogger, David I., assignor.)
- Perugia, André, Paris, France. Shoe. Des. 80,632; Mar. 4.
- Perugino, Michael. (See Lichty, L. C., and Perugino.)
- Perwatco Manufacturing Co. (See Watson, Hugh W., assignor.)
- Pescara, Raul P., Paris, France. Air compressor. 1,747,948; Feb. 18.
- Pescara, Raul P., Paris, France. Air compressor. 1,757,215; May 6.
- Pescara, Raul P., Paris, France. Safety device for air compressors. 1,766,682; June 24.
- Pesch, Oliver F., Beverly Hills, Calif., Safety lock. 1,772,728; Aug. 12.
- Peschl, Frank A., Jackson Heights, N. Y. Paper-making machine. 1,745,687; Feb. 4.
- Peschl, Frank A., Jackson Heights, N. Y. Load-regulating means for grinding machines. 1,777,220; Sept. 30.
- Pesek, Cyril P. (See Errett, A. J., and Pesek.)
- Pešout, John, Chicago, Ill. Automatic electric regulator. 1,745,447; Feb. 4.
- Pessagno, Joseph, Oakland, Calif. Tile-molding machine. 1,765,847; June 24.
- Pestalozza, Ugo, assignor to Società Italiana Pirelli, Milan, Italy. Manufacture of rubber. 1,750,540; Mar. 11.
- Pestardini, Joseph M., St.-Ouen, France, assignor to General Electric Company. Dynamo-electric machine. 1,749,673; Mar. 4.
- Pestardini, Joseph M., St. Ouen, France, assignor to General Electric Company. Dynamo-electric machine. 1,755,073; Apr. 15.
- Pestel, Eugene. (See Defrance, A., and Pestel.)
- Pestel, Maurice. (See Defrance, A., and Pestel.)
- Pestinger, August L., assignor to Warwick China Company, Wheeling, W. Va. Plate. Des. 82,174; Sept. 30.
- Petch, Herbert S., London, England, assignor to General Electric Company. Electric-current-transforming means. 1,774,944; Sept. 2.
- Petch, Herbert S., London, England, assignor to General Electric Company. Protection of electric systems. 1,776,131; Sept. 16.
- Petch, Herbert S., Edgware, England, assignor to General Electric Company. Protection of electric circuits. 1,776,130; Sept. 16.
- Petch, Herbert S., London, and J. G. Wellings, Dunchurch, England, assignors to General Electric Company. Protective arrangement. 1,781,555; Nov. 11.
- Petch, Herbert S., London, and E. L. E. Wheatcroft, Cambridge, England, assignors to General Electric Company. Protective arrangement. 1,760,521; May 27.
- Peteler, Adolph, Freeport, assignor to T. Howe, White Plains, N. Y. Adjustment-indicating means. 1,758,086; May 13.
- Peteler, Adolph, Freeport, N. Y., assignor to Auto Specialties Mfg. Co., San Francisco, Calif. Lifting jack. 1,760,436; May 27.
- Peteler, Adolph, Freeport, N. Y., assignor to Auto Specialties Manufacturing Co., San Francisco, Calif. Lifting jack. 1,760,437; May 27.
- Peteler, Adolph, Freeport, N. Y., assignor to Auto Specialties Manufacturing Co., San Francisco, Calif. Jack. 1,761,150; June 3.
- Peter, Adolf, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Brake-magnet control device. 1,774,760; Sept. 2.
- Peter, Alfred, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Fan mounting. 1,745,638; Feb. 4.
- Peter, Edouard J., Villemonble, France. Arrangement for increasing the efficiency of lifting, traction, and propulsion means. 1,772,680; Aug. 12.
- Peter, Leslie H., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for rectifying alternating electric currents. 1,750,123; Mar. 11.
- Peter, Leslie H., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system of the track-circuit type. 1,777,651; Oct. 7.
- Peter, William J., assignor to Aqua Systems Incorporated, New York, N. Y. Pressure control for hydraulic oil storing and delivering systems. 1,759,662; May 20.
- Peter, William J., assignor to Aqua Systems Incorporated, New York, N. Y. Controlling the flow in hydraulic oil storing and dispensing systems. 1,759,663; May 20.
- Peter, William J., assignor to Aqua Systems Incorporated, New York, N. Y. System for storing and dispensing oil. 1,759,708; May 20.
- Peterkin, Albert G., jr. (See Chillas, R. B., jr., and Peterkin.)
- Peterkin, Albert G., jr., Bryn Mawr, assignor to The Atlantic Refining Company, Philadelphia, Pa. Refining system. 1,752,455; Apr. 1.
- Peters, Arthur E. (See Ditson, J., and Peters.)
- Peters, Arthur E., Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Engine. 1,742,725; Jan. 7.
- Peters, Arthur E., Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-line roller. 1,751,714; Mar. 25.
- Peters, Arthur J., Walcott, Iowa. Memorial tablet. 1,775,784; Sept. 16.
- Peters, Arthur W., Rockford, Ill. Cartridge adapter. 1,753,472; Apr. 8.
- Peters, Charles S., Cuyahoga Falls, Ohio. Combination check and tag. 1,755,128; Apr. 15.
- Peters, Edward, Watkins, Minn. Crossing signal. 1,747,881; Feb. 18.
- Peters, Emerson S. (See Lewis, H. P., and Peters.)
- Peters, Ernst, Berlin, Germany. Reversing a lever upon alteration in the direction of rotation of a shaft. 1,748,307; Feb. 25.
- Peters, Frank R. (See Martin, F. W., and Peters.)
- Peters, Frank R. (See Roberts, M. H., and Peters.)
- Peters, Frank R., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive-booster support. 1,779,751; Oct. 28.
- Peters, Frederick J., Babylon, N. Y. Plate or the like. Des. 82,581; Nov. 18.
- Peters, Frederick W., assignor to The Almetal Universal Joint Company, Cleveland, Ohio. Universal joint. 1,767,551; June 24.
- Peters, George E. (See Russell, L. E., and Peters.)
- Peters, Granville B. (See Egely, John P., assignor.)
- Peters, Jacob C., jr., Philadelphia, Pa. Thermal conductivity gas analysis apparatus. 1,751,715; Mar. 25.
- Peters, Henry M., Chicago, assignor to Faries Manufacturing Company, Decatur, Ill. Portable electric lamp. Des. 82,693; Dec. 2.
- Peters, James, Roslyn Heights, assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing apparatus. 1,768,926; July 1.
- Peters, James, Roslyn Heights, assignor to The Turbo-Mixer Corporation, New York, N. Y. Beverage mixer. 1,768,927; July 1.
- Peters, James, Roslyn Heights, assignor to The Turbo-Mixer Corporation, New York, N. Y. Shiftable mixing apparatus. 1,768,928; July 1.
- Peters, James, Roslyn Heights, assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing and cooling apparatus. 1,769,890; July 1.
- Peters, James, Roslyn Heights, assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing apparatus. 1,777,893; Oct. 7.
- Peters, John F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Surge recorder. 1,755,793; Apr. 22.
- Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Roll body maker. 1,770,041; July 8.
- Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Can-body maker. 1,773,277; Aug. 19.
- Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Collar-can-beading machine. 1,773,854; Aug. 26.
- Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Soft-metal disk closure for hard candy, salted peanuts, and tobacco cans. 1,773,855; Aug. 26.
- Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Machine for forming metal bands. 1,773,856; Aug. 26.
- Peters, John F., and A. J. Maslin, Edgewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Variable-voltage transformer. 1,783,545; Dec. 2.
- Peters, John G., Beverly Hills, and C. G. Bleasdale, Van Nuys, Calif. Water filter. 1,775,355; Sept. 9.
- Peters, John J., New York, N. Y. Pie plate. 1,759,589; May 20.
- Peters, Louis G., New York, N. Y. Skidless tire. 1,759,590; May 20.
- Peters, Louis H., Oakland, Calif. Method of and apparatus for testing cans. Re17,697; June 10.

- Peters, Louis H., Oakland, Calif. Can-testing machine. 1,753,903; Apr. 8.
- Peters Machinery Company. (See Jurgens, E. G., and Beckers, assignors.)
- Peters, Mathieu. (See Bangert, H., and Peters.)
- Peters, Otto L. (See Oliver, W. H., Peters, and Struckhoff.)
- Peters, Peter N., Brooklyn, N. Y. Snubber. 1,787,282; Dec. 30.
- Peters, Robert H., Buffalo, assignor to Keybolt Appliance Co., Elmira, N. Y. Key bolt. 1,776,007; Sept. 16.
- Peters, Thomas K., New York, N. Y. Beacon light. 1,774,842; Sept. 2.
- Peters, William A., jr., Seattle, Wash., assignor to E. B. Badger & Sons Company, Boston, Mass. Fluid-mixing device. 1,780,438; Nov. 4.
- Peters, William G., Peoria, Ill. Fuel-oil burner. 1,760,774; May 27.
- Peters, William G., Peoria, Ill. Rotary or spinning extractor. 1,760,775; May 27.
- Petersen, Aage V., Frederiksberg, by Copenhagen, Denmark. Transforming of acoustic swingings into electric capacity swingings. 1,783,138; Nov. 25.
- Petersen, Alfred E., Ridgely Park, N. J., assignor to Dexter Folder Company, New York, N. Y. Sheet-feeding mechanism. 1,755,662; Apr. 22.
- Petersen, Anker, Boston, Mass. Piston ring. 1,772,749; assignor.)
- Petersen, Axel C. G. (See Poulsen, A., and Petersen.)
- Petersen, Carl A., Evanston, Ill. Bottle. Des. 81,202; May 20.
- Petersen, Carl M., assignor to Circle F. Mfg. Co., Trenton, N. J. Push-switch socket. 1,759,521; May 20.
- Petersen, Carl M., assignor to Circle F. Mfg. Co., Trenton, N. J. Electrical switch device. 1,762,075; June 3.
- Petersen, Carl M., assignor to Circle F. Mfg. Co., Trenton, N. J. Snap switch. 1,771,498; July 29.
- Petersen, Charles M., Shirley, assignor to Samson Cordage Works, Boston, Mass. Cord-making machine. 1,766,683; June 24.
- Petersen, Frank H. (See Burkart, W., and Petersen.)
- Petersen, Frank H., Denver, Colo. Horn weight for cattle. 1,771,900; July 29.
- Petersen, Hans A., Marshalltown, Iowa. Overflow switch control. 1,745,639; Feb. 4.
- Petersen, Heinrich A. W., Gary, Ind. Liquid-pump governor. 1,762,348; June 10.
- Petersen, Henry, Mount Auburn, Iowa. Rotary force pump. 1,762,418; June 10.
- Petersen, Hugo, Berlin-Steglitz, Germany. Manufacture of sulphuric acid. 1,781,954; Nov. 18.
- Petersen, John, Durant, Iowa. Battery lifter. 1,781,077; Nov. 11.
- Petersen, John H., West New York, N. J. Stencil printing machine. 1,783,810; Dec. 2.
- Petersen, John H. D., and J. W. Wilson, assignors to Link-Belt Company, Chicago, Ill. Feeder for shaker conveyers. 1,772,681; Aug. 12.
- Petersen, Martin C., Ipswich, S. Dak. Cooking machine. 1,781,669; Nov. 11.
- Petersen, Martin J., Canyon, Minn. Trap. 1,783,670; Dec. 2.
- Petersen, Nels P., Los Angeles, Calif. Slug ejector for coin machines. 1,764,579; June 17.
- Petersen, Ove, Hellerup, near Copenhagen, Denmark. Injection valve for internal-combustion engines. 1,759,367; May 20.
- Petersen, Peter C., assignor to Viking Pump Company, Cedar Falls, Iowa. Rotary engine. 1,743,977; Jan. 14.
- Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Diestock. 1,748,458; Feb. 25.
- Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Diestock. 1,748,459; Feb. 25.
- Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Diestock. 1,781,932; Nov. 18.
- Petersen, Thorvald A. M., assignor to Union Tank & Pipe Co., Los Angeles, Calif. Machine for rolling beads in stovepipe casings. 1,750,784; Mar. 18.
- Petersen, Thorvald A. M., assignor to Union Tank & Pipe Co., Los Angeles, Calif. Gas trap. 1,761,743; June 3.
- Petersen, Waldemar, Darmstadt, Germany. Regulating transformer. 1,771,816; July 29.
- Petersén, Wilhelm H., assignor to Allmänna Svenska Elektriska Aktiebolaget, Västerås, Sweden. Electromagnetic relay. 1,777,927; Sept. 30.
- Peterson, Abdel J., Chicago, Ill. Outlet locator. 1,758,126; May 13.
- Peterson, Adolphe C., Minneapolis, Minn. Constant-compression engine. 1,760,083; May 27.
- Peterson, Adolphe C., Minneapolis, Minn. Automotive self-actuated variable transmission. 1,778,604; Oct. 14.
- Peterson, Albert E. (See Danforth, G. L., jr., and Peterson.)
- Peterson, Albin K., San Diego, Calif. Safety razor. 1,744,280; Jan. 21.
- Peterson, Alfred, Denver, Colo. Machine for applying adhesive substance to sheets of material. 1,761,230; June 3.
- Peterson, Alfred J., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tap-changing system. 1,746,675; Feb. 11.
- Peterson, Alfred J. A. (See Moss, C. McL., and Peterson.)
- Peterson, Alfred J. A., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical protective device. 1,749,602; Mar. 4.
- Peterson, Alfred J. A., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-controlling system. 1,765,499; June 24.
- Peterson, Alfred L., Oroville, assignor of one-half to A. R. Koehler, La Porte, Calif. Mirror for watches. 1,775,915; Sept. 16.
- Peterson, Alfred P., Coleraine, Minn. Body hoist. 1,745,268; Jan. 28.
- Peterson, Andrew J., Isanti, Minn. Feeding mechanism for thrashing machines. 1,759,709; May 20.
- Peterson, Arthur E., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Substation apparatus. 1,747,841; Feb. 18.
- Peterson, Arvid, assignor to De Laval Steam Turbine Company, Trenton, N. J. Disconnecting coupling. 1,753,300; Apr. 8.
- Peterson, August, Cleveland, Ohio. Surfacing machine. 1,770,549; July 15.
- Peterson, Axel M., Denver, Colo. Anticreeping rail and co-operating tie plate for railways. 1,784,846; Dec. 16.
- Peterson, Axel W., deceased, Chicago, Ill.; S. H. Svenson, administrator, assignor to Weston Tool and Wrench Company. Can opener. 1,744,573; Jan. 21.
- Peterson, Benedict F., Milwaukee, Wis. Confection. Des. 81,994; Sept. 9.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Warper clock. 1,747,734; Feb. 18.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Yarn carrier. 1,763,861; June 17.
- Peterson, Carl, Jamaica Plain, assignor to G. Lawrence, Cambridge, Mass. Spring-forming device. 1,776,082; Sept. 16.
- Peterson, Carl, Jamaica Plain, assignor to G. Lawrence, Cambridge, Mass. Spring-leaf-forming mechanism. 1,776,083; Sept. 16.
- Peterson, Carl, Jamaica Plain, assignor to G. Lawrence, Cambridge, Mass. Spring-forming and spring-tempering device. 1,776,084; Sept. 16.
- Peterson, Carl D., Syracuse, N. Y., assignor to Brown Pipe Gear Company. Transmission dampener. 1,786,408; Dec. 23.
- Peterson, Carl E., Upper Montclair, assignor to Eastern Tool & Manufacturing Company, Bloomfield, N. J. Rake. 1,760,660; May 27.
- Peterson, Carl V., Mount Jewett, Pa. Wrench. 1,747,527; Feb. 18.
- Peterson, Charles C., Bridgeport, Conn. Hollow metal last. 1,770,597; July 15.
- Peterson, Charles D., assignor to The Fisher Governor Company, Marshalltown, Iowa. Electric control for reducing valves, etc. 1,755,020; Apr. 15.
- Peterson, Charles E., Minneapolis, Minn. Coin-counting machine. 1,758,057; May 13.
- Peterson, Charles J. (See Smith, F. L., Caulfield, and Peterson.)
- Peterson, Chris M., Minneapolis, assignor to Ward Dry Milk Company, St. Paul, Minn. Milk-drying apparatus and process. 1,748,618; Feb. 25.
- Peterson, Chris M., Minneapolis, assignor to Ward Dry Milk Company, St. Paul, Minn. Milk evaporator and deodorizer. 1,778,959; Oct. 21.
- Peterson, Christopher, Los Angeles, Calif. Sunken submarine indicator. 1,774,185; Aug. 26.
- Peterson, Clarence R., jr., Pelham Manor, N. Y. Roadbed construction for toy railways. 1,783,367; Dec. 2.
- Peterson, Earl W., Chicago, Ill. Elevator installation. 1,752,025; Mar. 25.
- Peterson, Edward H., and N. F. McNaught, assignors to Duro Metal Products Company, Chicago, Ill. Socket-wrench tool. 1,744,413; Jan. 21.
- Peterson, Edward H., and N. F. McNaught, assignors to Duro Metal Products Company, Chicago, Ill. Operating mechanism for valve grinders. 1,751,657; Mar. 25.
- Peterson, Edward H., and W. H. Odum, assignors to Duro Metal Products Company, Chicago, Ill. Valve grinder. 1,749,300; Mar. 4.
- Peterson, Elmer C., assignor to The Blossom Lock Company, Cleveland, Ohio. Automobile locking mechanism. 1,771,310; July 22.
- Peterson, Elwin L., assignor to Ray-O-Vision Corporation of America, Riverside, Calif. Transmitting system and apparatus. 1,747,791; Feb. 18.
- Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System employing space-discharge device. 1,762,737; June 10.
- Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic modulator circuit. 1,784,879; Dec. 16.
- Peterson, Frank W., et al. (See Huber, Paul J., assignor.)
- Peterson, Fred W. (See Martenson, H. M., and Peterson.)
- Peterson, Frederick W., Brooklyn, N. Y., assignor to Horton Sweets Co. Inc., Ridgefield, N. J. Carton or similar container. Des. 80,909; Apr. 8.
- Peterson, George. (See Nelson, Nels S., assignor.)
- Peterson, George H. (See Hague, A. E., and Peterson.)
- Peterson, George H., Bloomfield, N. J., and W. A. Rhodes, New York, N. Y., assignors to American Telephone and Telegraph Company. Telephone system. 1,785,818; Dec. 23.
- Peterson, Hans C., and F. H. Russell, Weyauwega, Wis. Rotary valve for internal-combustion engines. 1,751,528; Mar. 25.

- Peterson, Harold L., and O. B. Burbidge, assignors, by mesne assignments, to J. Bath, Worcester, Mass. Assembling machine. 1,766,800; June 24.
- Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Direction finder. 1,764,747; June 17.
- Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Shielding. 1,765,443; June 24.
- Peterson, Harry F., Baytown, and C. P. Bird, Bayport, assignors, by mesne assignments, to Anderson Foundry Company, Bayport, Minn. Sash pulley. 1,756,759; Apr. 29.
- Peterson, Henry A., Mitchell, S. Dak., assignor to Face-A-Lite Manufacturing Company. Automobile glare shield. Re17,735; July 15.
- Peterson, Henry E., Grapeview, Wash. Grape-stripping machine. 1,766,530; June 24.
- Peterson, Henry H., Edmund, Wis. Vending machine. 1,767,307; June 24.
- Peterson, John A., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Feeding and cutting machine. 1,748,243; Feb. 25.
- Peterson, John E. (See Streitwieser, Henry E., assignor.)
- Peterson, Jonathan, Ridgefield, Conn., and J. C. Thom, Chicago, Ill. assignors to Combination Machine Company, New York, N. Y. Snuff-box cover. 1,772,322; Aug. 5.
- Peterson, Juel L., assignor to Rockford Drilling Machine Co., Rockford, Ill. Clutch. 1,753,085; Apr. 1.
- Peterson, Martin A., Fremont, Nebr. Tire protector. 1,766,531; June 24.
- Peterson, Martin J., Selma, Calif. Beach canopy. 1,784,199; Dec. 9.
- Peterson, Nils P. (See Thorpe, S. T., and Peterson.)
- Peterson, Oscar, National Mine, Mich. Steel railroad tie. 1,747,792; Feb. 18.
- Peterson, Otto A., assignor to George E. Belcher Company, Stoughton, Mass. Last. 1,743,618; Jan. 14.
- Peterson, Per D. (See Olsson, A. H., and Peterson.)
- Peterson, Peter A., Chicago, Ill. Combination thermostatic switch and plug connector. 1,780,631; Nov. 4.
- Peterson, Reynold W., Galva, Ill. Acid jar. 1,780,534; Nov. 4.
- Peterson, Rolland E., Gary, Ind. Wall cabinet. 1,758,238; May 13.
- Peterson, Roy, Sheyenne, N. Dak. Welding process. 1,777,531; Oct. 7.
- Peterson, Svend, Askov, Minn. Adjustable shim-holder cap. 1,785,596; Dec. 16.
- Peterson, Thorstein A., Sioux Falls, S. Dak. Card holder for bottles. 1,776,085; Sept. 16.
- Peterson, Victor, Chicago, Ill. Holding device. 1,776,702; Sept. 23.
- Peterson, Walter R., Park Ridge, Ill., assignor to International Harvester Company. Tractor harrow. 1,748,392; Feb. 25.
- Peterson, Walter R., Park Ridge, Ill., assignor to International Harvester Company. Tractor disk harrow. 1,748,393; Feb. 25.
- Peterson, Walter R., Park Ridge, Ill., assignor to International Harvester Company. Harrow. 1,768,993; July 1.
- Peterson, Walter R., Park Ridge, Ill., assignor to International Harvester Company. Reversible-disk harrow. 1,769,162; July 1.
- Peterson, Walter R., Park Ridge, Ill., assignor to International Harvester Company. Disk harrow. 1,786,863; Dec. 30.
- Peterson, Walter W., Los Angeles, Calif. Foot supporter. 1,772,364; Aug. 5.
- Peterson, William A., Jasper, Minn. Pliers. 1,772,224; Aug. 5.
- Peterson, Ernst, Orebro, Sweden. Furnace for casting iron and other difficult fusible metals under pressure. 1,758,463; May 13.
- Petit, Henry A. (See Headen, L. A., and Petit.)
- Petit, Henry B., assignor to G. M. Holley, Detroit, Mich. Carburetor. 1,752,283; Mar. 25.
- Petit, Henry B., assignor to G. M. Holley, Detroit, Mich. Vaporizer for internal-combustion engines. 1,770,428; July 15.
- Petit, Raymond, assignor to Societe Anonyme Francaise Dite: "Bricard Ancienne Maison Sterlin," Paris, France. Transmission mechanism. 1,774,843; Sept. 2.
- Petitalot, Louis G., Paris, France. Gas burner for singeing any kind of spun. 1,777,221; Sept. 30.
- Petoskey Engineering Company. (See Millikin, Harry M., assignor.)
- Petrak, George, Quincy, Wash. Oil can. 1,754,041; Apr. 8.
- Petrelli, Joseph V., New Rochelle, N. Y. Register lock. 1,749,778; Mar. 11.
- Petrelli, Joseph V., New Rochelle, N. Y. Ventilator thimble. 1,764,343; June 17.
- Petrelli, Joseph V., New Rochelle, N. Y. Combined reverse and reduction gear. 1,768,859; July 1.
- Petrey, Arthur W., Parnassus, assignor to Aluminum Company of America, Pittsburgh, Pa. Filtration apparatus. 1,762,738; June 10.
- Petrie, David G., assignor to Young, Osmond & Young Limited, Welwyn Garden City, England. Electric heating apparatus and resistance units therefor. 1,778,811; Oct. 21.
- Petrie, Edward R., New York, N. Y. Gripping device for oil cans and the like. 1,756,165; Apr. 29.
- Petrie, Edward R., assignor of one-half to N. M. Petrie, New York, N. Y. Whistle. 1,748,460; Feb. 25.
- Petrie, Nellie M. (See Petrie, Edward R., assignor.)
- Petrillo, Nicola C., St. Louis, Mo. Globe or shade holder. 1,755,836; Apr. 22.
- Petrillo, Nicola C., St. Louis, Mo. Globe or shade holder. 1,755,837; Apr. 22.
- Petrino, James. (See Vezzuso, R., and Petrino.)
- Petroff, Grigori, Moscow, Russia, and P. Shestakoff, Paris, France, assignors to The First National Bank, Cincinnati, Ohio. Production of sulpho acids from hydrocarbon oils. 1,761,744; June 3.
- Petroff, Grigori, Moscow, Union of Socialist Soviet Republics. Separating and purifying sulphoacids of high molecular weight. 1,766,304; June 24.
- Petroff, Grigori, Moscow, Union of Socialist Soviet Republics. Treating mineral and naphtha oils. 1,766,305; June 24.
- Petroleum Chemical Company. (See Claytor, Edwin E., assignor.)
- Petroleum Conversion Corporation. (See Beardsley, E. W., and Colony, assignors.)
- Petroleum Conversion Corporation. (See Beardsley, Edwin W., assignor.)
- Petroleum Conversion Corporation. (See Tolman, Charles P., assignor.)
- Petroleum Derivatives, Inc. (See Zieley, J. D., Rudolf, and Ryder, assignors.)
- Petroleum Derivatives Incorporated of Maine. (See Williams, David T., assignor.)
- Petroleum Heat and Power Company. (See Frenier, Albert B., assignor.)
- Petroleum Heat and Power Company. (See Macrae, James N., assignor.)
- Petroleum Heat and Power Company. (See Scheminger, John, jr., assignor.)
- Petroleum Rectifying Company of California. (See Eddy, Harold C., assignor.)
- Petroleum Rectifying Company of California. (See Worthington, John T., assignor.)
- Petroleum Sand Products Corporation. (See Schwarz, Alfred, assignor.)
- Petrosky, George E., Philadelphia, Pa. Vent for storage batteries. 1,786,961; Dec. 30.
- Petrow, Alex, San Francisco, Calif. Reversible airplane propeller. 1,776,980; Sept. 30.
- Petrudin, Charles, Toledo, Ohio. Aeroplane. 1,753,938; Apr. 8.
- Petsch, Hermann, Recklinghausen, Germany. Coke oven. 1,772,429; Aug. 5.
- Petsch, Hermann, assignor to the Firm Carl Ctil, Recklinghausen, Germany. Operating device for coke-oven doors. 1,772,402; Aug. 5.
- Petsche, Gustav B., and A. E. Drissner, assignors to The National Acme Company, Cleveland, Ohio. Centrifuge. 1,783,546; Dec. 2.
- Petschenig, Karl. (See von Hofe, C., Petschenig, and Schier.)
- Petschenig, Karl, Vienna, Austria, assignor to the firm C. P. Goerz optische Anstalt Aktiengesellschaft, Akciova Spolecnost K. P. Goerz opticky ustav, Bratislava, Czechoslovakia. Apparatus for determining the course of aircraft. 1,757,874; May 6.
- Petskeyes, Charles H., Cincinnati, Ohio. Sandpapering-machine casing. Des. 81,886; Aug. 26.
- Petterson, Ernst L., Arboga, Sweden. Adjustable yielding prong for round shafts of harrows or the like. 1,773,317; Aug. 19.
- Pettersen, Petter G., Lakewood, Ohio. Boat structure for seaplanes. 1,778,467; Oct. 14.
- Pettibone Mulliken Company. (See Andersen, Oscar W., assignor.)
- Pettibone Mulliken Company. (See Enstrom, August, assignor.)
- Pettibone Mulliken Company. (See Miller, Harry L., assignor.)
- Pettibone, Walter W., Birmingham, Ala. Pulverizer. 1,778,564; Oct. 14.
- Pettinelli, Parisino, Savona, Italy. Grid for chemical storage batteries. 1,752,963; Apr. 1.
- Pettinos, George F., Philadelphia, Pa. Grinding mill. 1,758,010; May 13.
- Pettis, Clifton D., New York, N. Y. Apparatus for molding. 1,752,308; Apr. 1.
- Pettis, Walter D., Oxford, Miss. Sewage-disposal fixture. 1,762,419; June 10.
- Pettit, Ward H., Schenectady, N. Y., assignor to General Electric Company. Retaining collar and oiler. 1,771,937; July 29.
- Pettman, Charles W., Sydney, New South Wales, Australia. Envelope machine and the like. 1,747,646; Feb. 18.
- Petty, Earl, Winfield, Kans., assignor to The De Laval Separator Company, New York, N. Y. Purifying wax distillates. 1,750,646; Mar. 18.
- Petty, Roy J. (See Wilson, T. C., and Petty.)
- Petty, William J., and E. M. Hancock, Hollis, Okla. Cotton gin. 1,767,894; June 24.
- Petty, William S., Denver, Colo., assignor to Kay-Petty Mfg. Co. Ironing table. 1,770,802; July 15.
- Petty, William S., Denver, Colo., assignor to Kay-Petty Mfg. Co. Ironing board. 1,770,889; July 15.

- Petz, William B., Plymouth, Mich. Swimming tube. 1,756,383; Apr. 29.
- Petzting, Erwin W., Chicago, Ill. Electromagnet. 1,763,007; June 10.
- Petznick, Herman P., assignor of one-half to C. V. Olds, Davenport, Iowa. Sickle bar. 1,778,468; Oct. 14.
- Peuser, Carlos R., Villa Devoto, Argentina. Hand contact device for electric horns for automobiles and the like. 1,773,639; Aug. 19.
- Povey Dairy Company. (See Mortland, Herbert E., assignor.)
- Pew, Arthur E., jr., Bryn Mawr, and H. Thomas, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Mineral-oil distillation. 1,742,933; Jan. 7.
- Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Level indicator for mineral-oil stills. 1,753,803; Apr. 8.
- Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for distilling lubricating oil. 1,761,151; June 3.
- Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Deodorizing petroleum. 1,761,152; June 3.
- Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Distilling oil. 1,761,153; June 3.
- Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Distilling mineral oil under a high vacuum. 1,778,565; Oct. 14.
- Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Heat interchanger. 1,787,086; Dec. 30.
- Pew, Arthur E., jr., Bryn Mawr, and H. Thomas, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Cracking mineral oil. 1,786,315; Dec. 23.
- Pew, John H., Ardmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa. Cracking mineral oil. 1,744,574; Jan. 21.
- Pew, Ralph W. (See Earl, H. J., Pew and Tjaarda.)
- Pewinghaus, Walter, Egge, Germany. Armoring of brasses or steps for bearings. 1,778,961; Oct. 21.
- Pewther, Judson C., Wichita, Kans. Washer. 1,780,839; Nov. 4.
- Peyser, Joseph, Mount Vernon, N. Y. Cover-separating means. 1,751,556; Mar. 25.
- Peyton, Frank L., Dallas, Tex. Dial lighting device for automatic telephones. 1,759,205; May 20.
- Pfaff, Andrew J., St. Louis, J. A. Driy and C. J. Sinning, Webster Groves, assignors to The Emerson Electric Mfg. Co., St. Louis, Mo. Lubricating device. 1,767,153; June 24.
- Pfaff, Johann K., Uetze, K. Böttger, Uetze, and A. Sieweke, Dollbergen, assignors to Deutsche Gasolin Aktiengesellschaft, Berlin-Schöneberg, Germany. Separation of fatty or waxlike bodies from their solutions. 1,779,287; Oct. 21.
- Pfaff, Kaspar. (See Rössner, H., Steindorff, and Pfaff.)
- Pfaffenberger, Edward W., Dallas, Tex. Mail-box signal switch. 1,744,333; Jan. 21.
- Pfaffendorf, Wilhelm, Hochst-on-the-Main, Germany, assignor by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Degreasing textile materials. 1,780,885; Nov. 4.
- Pfahl, Daniel S., Cleveland, Ohio. Filling attachment for tanks. 1,762,524; June 10.
- Pfaltzgraff, Hattie M., Atlantic City, N. J., assignor to H. M. P. Supporter Co. Supporter. 1,772,909; Aug. 12.
- Pfanhauser, Wilhelm A. F., Leipzig, assignor to Gesellschaft für Elektrodenzerstaubung m. b. H., Bohlitz-Ehrenberg, near Leipzig, Germany. Vacuum dispersion coating process. 1,758,531; May 13.
- Pfannenstiel, Hugo. (See Reddelien, G., Lange, and Pfannenstiel.)
- Pfau, Arnold, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Controlling prime-mover dynamo plants. 1,761,797; June 3.
- Pfau, William F., Cincinnati, assignor to John T. Townsley Manufacturing Company, Cincinnati, Ohio. Cut-off saw. 1,767,012; June 24.
- Pfaudler Co., The. (See Chormann, Otto I., assignor.)
- Pfaudler Company, The. (See Jacobsen, Jens N., assignor.)
- Pfaudler Co., The. (See Nichols, E. B., and Todd, assignors.)
- Pfaudler Co., The. (See Nichols, Edgar B., assignor.)
- Pfaudler Co., The. (See Todd, Ulysses G., assignor.)
- Pfauser, Edward M., assignor to Blackhawk Manufacturing Co., Milwaukee, Wis. Jack. 1,751,056; Mar. 18.
- Pfauser, Edward M., assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Tool handle. 1,764,690; June 17.
- Pfautz, Christian E., Riverhead, N. Y., assignor to Radio Corporation of America. Transposition device. 1,761,046; June 3.
- Pfeffer, Ernst, Frankfurt-on-the-Main-Schwahnheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Printing with vat dyestuffs. 1,744,140; Jan. 21.
- Pfeffer, Frederic D. (See Gough, F. J., McNell, and Pfeffer.)
- Pfeffer, Frederic D., and F. Trotter, Fort Dodge, Iowa, assignors to United States Gypsum Company, Chicago, Ill. Wet mixing method and apparatus. 1,758,200; May 13.
- Pfeffer, Frederic D., and F. Trotter, Fort Dodge, Iowa, assignors to United States Gypsum Company, Chicago, Ill. Apparatus for making blocks. 1,768,141; June 24.
- Pfefferkorn, Frederick F., Lakewood, assignor to The Geo. H. Bowman Company, Cleveland, Ohio. Portable food safe. 1,762,417; June 10.
- Pfeifer, Ferdinand A., assignor of one-half to S. W. Waring, Springfield, Ohio. Windmill. 1,764,052; June 17.
- Pfeifer, Walter S., Shorewood, Wis., assignor, by mesne assignments, to The Reliance Company, Wilmington, Del. Starting device for synchronous motors. 1,782,908; Nov. 25.
- Pfeiffer, Benjamin S. (See Chase, S., 4th, and Pfeiffer.)
- Pfeiffer, Benjamin S. (See Magee, C. L. C., and Pfeiffer.)
- Pfeiffer, Conrad L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for welding. 1,744,797; Jan. 28.
- Pfeiffer, Frank E., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,766,353; June 24.
- Pfeiffer, Franklin, assignor to the firm of Carl Zeiss, Jena, Germany. Refractometer for liquids. 1,760,209; May 27.
- Pfeiffer, Franklin, and T. Kühl, assignors to the firm Carl Zeiss, Jena, Germany. Camera for photographing the eyeball. 1,760,208; May 27.
- Pfeiffer, Fred B., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Machine for folding tire bands. 1,755,933; Apr. 22.
- Pfeiffer, Frederick, sr., Freeport, N. Y. Culinary implement. Des. 82,054; Sept. 16.
- Pfeiffer, Grover F., assignor to Moorman Manufacturing Company, Quincy, Ill. Feeder. 1,786,777; Dec. 30.
- Pfeiffer, Gustavus A., New York, N. Y. Multiple-compartment container. 1,787,283; Dec. 30.
- Pfeiffer, Karl, assignor to Chrysler Corporation, Detroit, Mich. Testing springs. 1,743,619; Jan. 14.
- Pfeiffer, Peter W., Syracuse, N. Y. Tire gauge. 1,774,153; Aug. 26.
- Pfeiffer, S., Manufacturing Company. (See Lippmann, Max, assignor.)
- Pfeiffer, William C., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,766,937; June 24.
- Pfeil, Roy C. (See Bloss, R. R., and Pfeil.)
- Pfeil, Roy C., assignor to The International Derrick & Equipment Company, Columbus, Ohio. Ladder rung. 1,779,370; Oct. 21.
- Pfender, Adolph, assignor to Ferguson and Lange Foundry Company, Chicago, Ill. Water-heating apparatus. 1,757,138; May 6.
- Pfening, Frederic D. and H., jr., Columbus, Ohio. Liquid measuring and dispensing apparatus. 1,775,293; Sept. 9.
- Pfening, Henry, jr. (See Pfening, Frederic D. and H.)
- Pfenning, Henry M., Mandan, N. Dak. Fence-post anchor. 1,764,975; June 17.
- Pfersdorf, Christian, Elberfeld, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J. Device for fitting footwear. Re17,600; Feb. 18.
- Pfiffner, Emil, Budapest, Hungary. Arrangement for reducing the stray reactance of cascade transformers. 1,747,528; Feb. 18.
- Pfiffner, Emil, Fribourg, Switzerland, assignor, by mesne assignments, to Radio Patents Corporation, New York, N. Y. Applying a firmly-adhering metal coat to insulating plates, particularly for use in electric condensers. 1,744,281; Jan. 21.
- Pfiffner, Emil, Fribourg, Switzerland, assignor, by mesne assignments, to Radio Patents Corporation, New York, N. Y. Arrangement of discharge spark gaps on electric condensers. 1,745,583; Feb. 4.
- Pfister, John R., New York, N. Y. Impregnator chisel for wood. 1,742,726; Jan. 7.
- Pfister, Karl H. T., Tacony, Pa., assignor to Rohm & Hass Company. Replacing halogen groups in organic compounds by amino groups. 1,752,998; Apr. 1.
- Pfister & Vogel Leather Co. (See Orthmann, August C., assignor.)
- Pfisterer, Chris F., O. Krueger, and W. Kaiser, Chicago, Ill. Portable toilet for children. 1,757,684; May 6.
- Pfizer, Charles W., Evanston, assignor to The Pullman Company, Chicago, Ill. Sleeping car. 1,783,480; Dec. 2.
- Pfizer, Harry M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Apparatus for journaling railway-vehicle axles. 1,765,878; June 24.
- Pfizer, Harry M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Railway-truck structure. 1,765,879; June 24.
- Pfizer, Harry M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,768,860; July 1.
- Pfizer, Harry M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive smoke box. 1,773,750; Aug. 26.
- Pfau, Emil, Pender, Nebr. Animal-loading device. 1,758,372; May 13.
- Pfau, Joseph H., Dayton, Ohio. Golf-bag attachment. 1,744,414; Jan. 21.
- Pfeger, Kenneth W. (See Nyquist, H., and Pfeger.)
- Pfimlin, Jules, Mulhouse, France. Drawing device for spinning mules, spinning frames, and preparatory machines. 1,749,156; Mar. 4.

- Pfimlin, Jules, Mulhouse, France. Drawing device for spinning frames and for preparing machinery. 1,749,393; Mar. 4.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. Des. 81,995; Sept. 9.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. Des. 82,279; Oct. 14.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fish lure. 1,750,604; Mar. 11.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing rod. 1,752,027; Mar. 25.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Artificial minnow. 1,756,260; Apr. 29.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing tackle. 1,766,532; June 24.
- Pfueger, Joseph E., assignor to The Enterprise Manufacturing Co., Akron, Ohio. Combined hook and weed guard. 1,750,243; Mar. 11.
- Pfuder, Albert, and K. Haage, Esslingen-on-the-Neckar, Germany. Mechanical hammer. 1,755,361; Apr. 22.
- Pfohl, Anthony J., Lockland, Ohio. Apparatus for molding bituminous materials. 1,785,457; Dec. 16.
- Pforsich, Harry M., Montpelier, Ind., assignor to Hubbard & Company. Shovel. 1,776,596; Sept. 23.
- Pfouts, Joan S., administratrix. (See Pfouts, Leroy S.)
- Pfouts, Leroy S., deceased, Canton, Ohio; J. S. Pfouts administratrix. Apparatus for treating materials. 1,755,021; Apr. 15.
- Pfouts, Leroy S., deceased; J. S. Pfouts, administratrix, Canton, Ohio. Freezing mechanism. 1,779,330; Oct. 21.
- Pfouts, Leroy S., assignor to The H. H. Miller Industries Company, Canton, Ohio. Freezing apparatus. 1,756,261; Apr. 29.
- Pfautz, Olen, Greensburg, Pa. High-pressure-valve device. 1,774,994; Sept. 2.
- Pfretzschner, Jakob, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Electromagnetic controlling apparatus. 1,749,842; Mar. 11.
- Phair, Robert A., Allendale, N. J., assignor to H. Kohnstamm & Co., Inc., New York, N. Y. Laundering method. 1,777,857; Oct. 7.
- Phair, Robert A., Allendale, N. J., assignor to H. Kohnstamm & Co., Inc., New York, N. Y. Laundering method. 1,777,858; Oct. 7.
- Phaneuf, Leo F., New Bedford, Mass. Automobile truck. 1,770,086; July 8.
- Pharo, Charles E., Cortez, Colo. Automatic train-pipe coupling. 1,780,795; Nov. 4.
- Pheifer, Klaus, Platte, S. Dak. Hog oiler. 1,747,597; Feb. 18.
- Phelan, John A., assignor to E. B. Knowles, Galveston, Tex. Burner atomizer. 1,769,454; July 1.
- Phelan, Louis A. M., assignor, by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind. Electric switch. 1,745,640; Feb. 4.
- Phelan, Louis A. M., assignor to Time-O-Stat Controls Company, Elkhart, Ind. Adjusting means for tiltable switches. 1,747,153; Feb. 11.
- Phelan, Louis A. M., Beloit, Wis., assignor, by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind. Thermostatic switch. 1,764,345; June 17.
- Phelan, Louis A. M., Beloit, assignor, by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind. Electric switch. 1,774,108; Aug. 26.
- Phelan, Louis A. M., assignor, by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind. Electric switch. 1,774,109; Aug. 26.
- Phelan, Louis A. M., assignor, by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind. Fusible switch plug. 1,779,143; Oct. 21.
- Phelan, Louis A. M., Beloit, Wis., assignor by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind. Mounting for electrical switches. 1,780,312; Nov. 4.
- Phelan, Louis A. M., assignor by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind. Fusible swing plug. 1,780,313; Nov. 4.
- Phelan, Louis A. M., and C. Hotchkiss, Beloit, Wis., assignors, by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind. Temperature-control apparatus. 1,764,344; June 17.
- Phelan, Louis A. M., Elkhart, Ind., and C. Hotchkiss, Milwaukee, Wis., assignors, by mesne assignments, to Time-O-Stat Controls Company, Elkhart, Ind. Thermally-operated circuit breaker. 1,764,346; June 17.
- Phelan, Michael J. (See Leahy, M. R. and Phelan.)
- Phelan, Robert E., and S. P. Lowe, Denver, Colo., assignors to R. H. Channing, jr., agent, San Francisco, Calif. Flotation concentration. 1,771,549; July 29.
- Phelps, Alva W., assignor to Delco-Remy Corporation Anderson, Ind. Method and apparatus for making rubber wiper blades. 1,761,534; June 3.
- Phelps, Arthur S., assignor to Pratt & Letchworth Company, Buffalo, N. Y. Manufacturing springs. 1,760,169; May 27.
- Phelps, Arthur S., assignor to Pratt & Letchworth Company, Buffalo, N. Y. Dipping means for quenching articles. 1,775,254; Sept. 9.
- Phelps, Cecil N., Orange, N. J. Mechanism for the automatic transfer of mail and baggage. 1,749,603; Mar. 4.
- Phelps, Clyde H., Mount Vernon, assignor to Accurometer Mfg. Co., Inc., New York, N. Y. Tool for measuring the caster of axles. 1,766,306; June 24.
- Phelps, George H., Warehouse Point, Conn., and T. E. Murray, jr., Brooklyn, N. Y., assignors to Metropolitan Engineering Company. Air heater. 1,775,173; Sept. 9.
- Phelps, Guy W. (See Taylor, H. F., Scherubel, and Phelps.)
- Phelps, Henry E., Tuckahoe, N. Y., and J. Davidson, jr., Montclair, N. J., assignors to American Telephone and Telegraph Company. Telephone system. 1,744,918; Jan. 28.
- Phelps, Homer L., Martinsburg, W. Va. Condensing device. 1,776,323; Sept. 23.
- Phelps, James A., Cleveland, Ohio. Centerless grinding machine. 1,779,618; Oct. 28.
- Phelps, James W., Melrose, assignor to Stowe & Woodward Company, Newton, Upper Falls, Mass. Tool. 1,778,399; Oct. 14.
- Phelps, Levi, Mayflower, Tex. Washing machine. 1,757,472; May 6.
- Phelps Manufacturing Company. (See Phelps, Morton F., assignor.)
- Phelps, Morton F., Little Rock, Ark., assignor to Phelps Manufacturing Company. Exhaust fan. 1,762,028; June 3.
- Phelps, Robert W., assignor, by mesne assignments, to Julia King's Candy Corporation, Chicago, Ill. Combined vending and display stand. Des. 81,070; Apr. 29.
- Phelps, Robert W., assignor to Julia King's Candy Corporation, Chicago, Ill. Box. Des. 82,689; Dec. 2.
- Phelps, Roscoe G., Cleveland, Ohio, assignor to General Electric Company. Method and apparatus for mounting filaments. 1,751,419; Mar. 18.
- Phelps, Stuart M., Pittsburgh, Pa. Article of commerce and its production. 1,774,812; Sept. 2.
- Philad Company, The. (See Mayer, Josef, assignor.)
- Philad Company, The. (See Spaeth, Philip D., jr., assignor.)
- Philadelphia Drying Machinery Company, The. (See Dennis, John W., assignor.)
- Philadelphia Drying Machinery Company, The. (See Sibson, Walter W., assignor.)
- Philadelphia Drying Machinery Company, The. (See Sibson, W. W., and Miller, assignors.)
- Philadelphia Gear Works. (See Ball, Russell C., assignor.)
- Philadelphia Lawn Mower Company Inc. (See Coldwell, Harry T., assignor.)
- Philadelphia Lawn Mower Company. (See Hessenbruch, Hermann M., assignor.)
- Philadelphia Metal Drying Form Company. (See Guggenheim, Paul, assignor.)
- Philadelphia Metal Drying Form Company. (See Stetten, Julius O. V., assignor.)
- Philadelphia Quartz Company. (See Edgerton, Lloyd B., assignor.)
- Philadelphia Storage Battery Company. (See Combs, Edward L., assignor.)
- Philadelphia Storage Battery Company. (See Grimditch, William H., assignor.)
- Philadelphia Storage Battery Company. (See Holland, Walter E., assignor.)
- Philadelphia Storage Battery Company. (See Holland, W. E., and Earnshaw, assignors.)
- Philadelphia Storage Battery Company. (See Holland, W. E., and Pearson, assignors.)
- Philadelphia Storage Battery Company. (See Pearson, Lawrence J., assignor.)
- Philadelphia Storage Battery Company. (See Roberts, David, assignor.)
- Philadelphia Storage Battery Company. (See Timmons, John S., assignor.)
- Philadelphia Storage Battery Company. (See Weindel, Fred, jr., assignor.)
- Philadelphia Thermometer Co. (See Schwartz, John L., assignor.)
- Philadelphia Toboggan Company. (See Schmeck, Herbert P., assignor.)
- Philbrick, Frederick B., Needham, assignor to The Game-well Company, Newton Upper Falls, Mass. Repeater. 1,779,711; Oct. 28.
- Philippe, Filtres. (See Heibig, Edouard, assignor.)
- Philippe, René E., Troyes, assignor to André, Léon, Victor, Clément Debré, Paris, France. Device for drying strips chiefly cinematographic and photographic films. 1,748,188; Feb. 25.
- Philippsonian, Charles, Geneva, Switzerland. Alloy. 1,783,139; Nov. 25.
- Phillips, Edward C., Brooklyn, N. Y. Fixture for roller screens or shades. 1,753,751; Apr. 8.
- Phillips, N. V., Gloeilampenfabrieken. (See de Boer, J. H., and Clausing, assignors.)
- Phillips, N. V., Gloeilampenfabrieken. (See Maartens, Johannes H. J., assignor.)
- Phillips, William D., Brooklyn, N. Y. Air-lock and conveyor system. 1,753,158; Apr. 1.
- Phillips, Arthur F., assignor, by mesne assignments, to Reliance Specialty Co., Inc., Holyoke, Mass. Wind-shield-heating device. 1,745,448; Feb. 4.
- Phillips-Baker Rubber Company. (See Dempsey, E. J., and Costellow, assignors.)

- Phillips, Benjamin, Cincinnati, Ohio. Oil-dispensing measuring device. 1,754,966; Apr. 15.
- Phillips, Burdett H. (See Lee F. L., and Phillips.)
- Phillips, Charles H. (See Coward, William J., assignor.)
- Phillips, Clayton L., Hamden, assignor to Sargent & Company, New Haven, Conn. Burglar-proof key bolt. 1,786,221; Dec. 23.
- Phillips, David, Daytona Beach, Fla. Tellurian. 1,758,759; May 13.
- Phillips, Edward H., Kensington, assignor to Phillips Volatilisor Syndicate Company, Limited, Sydney, New South Wales, Australia. Carburetor. 1,759,758; May 20.
- Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Crane. 1,752,026; Mar. 25.
- Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Folding door. 1,764,976; June 17.
- Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Folding door. 1,768,267; June 24.
- Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Folding partition. 1,786,505; Dec. 30.
- Phillips, Ernest B. (See Ison, E. W., and Phillips.)
- Phillips, Ernest B., East Chicago, Ind., and J. G. Stafford, assignors to Sinclair Refining Company, Chicago, Ill. Regeneration of aluminum chloride sludge. 1,760,962; June 3.
- Phillips, Ernest B., East Chicago, and James G. Stafford, Whiting, Ind., assignors to Sinclair Refining Company, New York, N. Y. Treatment of hydrocarbons. 1,774,611; Sept. 2.
- Phillips, Harley R. (See Mojonner, J. J., Phillips, and Clarke.)
- Phillips, Harrison W., Billings, Mont., Garden-fence unit or similar structure. Des. 81,723; July 29.
- Phillips, Henry H., Judith Gap, Mont. Landing gear for aeroplanes. 1,756,209; Apr. 29.
- Phillips, Homer L., South Bend, Ind. Dishwashing machine. 1,765,444; June 24.
- Phillips, Homer L., Ronceverte, W. Va. Pulley. 1,777,624; Oct. 7.
- Phillips, Jacob M., Pillow, Pa. Pump. 1,784,706; Dec. 9.
- Phillips, Jim C. (See Pittam, G. R., Blevins, and Brandt, assignors.)
- Phillips, John A., Woodside, assignor to Burns Dental Casting Machine Company, Inc., Flushing, N. Y. Dental casting machine. 1,769,603; July 1.
- Phillips, John E., Chicago, Ill., assignor to Graham & Zenger, Inc., New York, N. Y. Dish or similar article. Des. 82,343; Oct. 21.
- Phillips, John E., New York, N. Y. Calking or tamping tool. 1,747,842; Feb. 18.
- Phillips, John E., New York, N. Y. Nut lock. 1,762,739; June 10.
- Phillips, John F., New York, N. Y. Electric insulator. 1,750,352; Mar. 11.
- Phillips, John H., Jackson, Mich. Flexible pipe. Re-17,569; Jan. 21.
- Phillips, John H., Pittsburgh, Pa. Sand tray. 1,744,079; Jan. 21.
- Phillips, John H., Pittsburgh, Pa. Wading tank. 1,753,427; Apr. 8.
- Phillips, John H., Chicago, Ill. Anchoring apparatus. 1,746,050; Feb. 4.
- Phillips, John H., Chicago, Ill. Anchoring device. 1,752,999; Apr. 1.
- Phillips, John H., Chicago, Ill. Self-drilling expansion shell. 1,755,489; Apr. 22.
- Phillips, John H., Chicago, Ill. Anchoring apparatus. 1,762,349; June 10.
- Phillips, John H., Chicago, Ill. Ceiling plate. 1,779,144; Oct. 21.
- Phillips, John H., Chicago, Ill. Tool holder. 1,786,029; Dec. 23.
- Phillips, John T., Durango, Colo. Bullet. 1,767,308; June 24.
- Phillips, Joseph, Denver, Colo. Radio and television cabinet. Des. 82,624; Nov. 25.
- Phillips, Leland A., Rochester, N. Y. Humidor for inked ribbons. 1,785,975; Dec. 23.
- Phillips, Louis A., Dobbs Ferry, assignor to The Cooling Tower Co. Inc., New York, N. Y. Sprinkler nozzle. Des. 81,996; Sept. 9.
- Phillips, Maurice F., Richmond, Va. Outdoor advertising device. 1,754,369; Apr. 15.
- Phillips, Max, Evansville, Wis. Resinous condensation product from lignin and furfural. 1,750,903; Mar. 18.
- Phillips, Morris G. P., London, England. Machine for stripping tobacco leaves. 1,772,014; Aug. 5.
- Phillips, Morris G. P., London, England. Tobacco-stripping machine. 1,772,015; Aug. 5.
- Phillips, Morris G. P., London, England. Machine for removing flags and other adhering leaf from the stalks of tobacco leaves. 1,781,701; Nov. 18.
- Phillips Petroleum Company. (See Moore, David L., assignor.)
- Phillips, Philip, Orlando, Fla. Preserving citrus fruit. 1,759,464; May 20.
- Phillips, Ross M. G., New Haven, Conn. Sled. 1,756,303; Apr. 29.
- Phillips, Ross M. G., New Haven, Conn., assignor, by mesne assignments, to Standard Gas Equipment Corporation. Timer for automatically controlling electric stoves. 1,758,619; May 13.
- Phillips, Roy, assignor of one-fifth to T. R. Pennington, Dallas, Tex. Wall construction. 1,762,099; June 3.
- Phillips, Stanton, Atlantic City, N. J. Collapsible cigar stand. 1,754,766; Apr. 15.
- Phillips, Thomas, Elsternwick, Melbourne, Victoria, Australia. Buoyant seat or like device for aquatic purposes. 1,764,852; June 17.
- Phillips, Sydney C., Oklahoma City, Okla. Steam-operated emergency valve for oil and gas wells. 1,779,637; Oct. 28.
- Phillips, Thomas D., Hominy, Okla. Flexible convertible railroad-car truck. 1,769,359; July 1.
- Phillips, Thomas H., assignor of one-half to H. W. Beck, Richmond, Ind. Hand truck. 1,744,672; Jan. 21.
- Phillips, Thomas W., Jackson, Mich. Golf tee. 1,766,938; June 24.
- Phillips, Victor L. (See Dillon, Oval L., assignor.)
- Phillips, Volatilisor Syndicate Company (See Phillips, Edward H., assignor.)
- Phillips, Walter B., Liberty, assignor to W. M. Cross, Kansas City, Mo. Heat exchanger. 1,751,757; Mar. 25.
- Phillips, Willard A., East Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Ice-cream disher. 1,774,154; Aug. 26.
- Phillips, William M., Birmingham, assignor by mesne assignments, to Generals Motors Research Corporation, Detroit, Mich. Chromium plating. 1,780,535; Nov. 4.
- Phillips, William W., Eastman, Ga. Rack for piece goods. 1,747,026; Feb. 11.
- Phillips, Ferdinand, New York, N. Y. Combined spoon and clip. 1,784,880; Dec. 16.
- Philpot, Harold P. (See Hunter, C. M., and Philpot.)
- Phinn, George A., Pasadena, Calif. Porch curtain. 1,786,084; Dec. 23.
- Phinney, Edward D., Mount Vernon, N. Y. Temperature-measuring device. 1,758,532; May 13.
- Phinney, Edward D., Mount Vernon, assignor of one-half to P. Kollisch, New York, N. Y. Recording and reproducing system. 1,765,735; June 24.
- Phipps, De Clifford, Los Angeles, Calif. Device for assisting hearing. 1,763,103; June 10.
- Phipps, John T., Huntington Park, Calif. Earth-boring drill. 1,774,522; Sept. 2.
- Phipps, John T., Huntington Park, assignor to J. Grant, Los Angeles, Calif. Underreamer. 1,767,474; June 24.
- Phipps, John T., Huntington Park, assignor of one-fourth to M. M. Newcomb, Long Beach, Calif. Packer. 1,772,682; Aug. 12.
- Phipps, John T., Huntington Park, assignor of one-fourth to M. M. Newcomb. Pneumatic counterbalance for walking beams. 1,775,733; Sept. 16.
- Philpneau, Edmond, Levallois-Perret, assignor to Societe Anonyme Des Anciens Etablissements Hotchkiss & Cie., St. Denis, Seine, France. High-speed reciprocating mechanism. 1,771,311; July 22.
- Phoenix Glass Company, The. (See Haley, Kenneth R., assignor.)
- Phoenix Hosiery Company. (See Byrd, Arthur E., assignor.)
- Phoenix Hosiery Company. (See Oehler, Edward V., assignor.)
- Phon-Book-Index Co. (See Brenne, Carl F., assignor.)
- Phonodisc Corporation. (See Kende, George, assignor.)
- Photomaton Inc. (See Hirsch, Sidney, assignor.)
- Photar Corporation, The. (See Back, Franz G., assignor.)
- Photostat Corporation. (See Caps Arthur W., assignor.)
- Photostat Corporation. (See Greene, John S., assignor.)
- Photostat Corporation. (See Landrock, Paul, assignor.)
- Pythian, Thomas E. (See Linzell, L., and Pythian.)
- Piatt, Howard I., assignor to Motor Wheel Corporation, Lansing, Mich. Safety cut-out for heaters. 1,773,198; Aug. 19.
- Piatt, Laurence C., Buffalo, N. Y. Mechanical pencil. 1,779,854; Oct. 28.
- Picard, John B. (See Mahan, J. R., and Picard.)
- Picard, Stanislas, assignor to B. B. & R. Knight Corporation, Providence, R. I. Thread-extracting needle. 1,783,449; Dec. 2.
- Picareff, Anton, Art Studios, Inc. (See Picareff, Anton, assignor.)
- Picareff, Anton, assignor to Anton Picareff Art Studios, Inc., New York, N. Y. Coloring agent for fabrics and making same. 1,780,314; Nov. 4.
- Picarelli, Joseph, and R. Draghi, Brooklyn, N. Y. Balancer ring. 1,748,461; Feb. 25.
- Piccardo, Cesare, Genoa, Italy. Filtering and decanting apparatus. 1,753,577; Apr. 8.
- Piccardo, Cesare, Genoa, Italy. Apparatus for the continuous automatic discharge of mud from steam boilers and heaters of liquids. 1,774,211; Aug. 26.
- Piccione, Angelo, Buffalo, N. Y. Stationary shaving cup. 1,782,793; Nov. 25.
- Piccolo, Joseph, and J. W. Villano, Brooklyn, N. Y. Confection-coating apparatus. 1,756,471; Apr. 29.
- Picha, Emil H., St. Paul, Minn. Golf cup. 1,744,985; Jan. 28.
- Piché, Frank W., Detroit, Mich. Brake mechanism. 1,782,176; Nov. 18.
- Piehl, Anthony J., assignor of one-fourth to E. B. Holly, Jr., St. Louis, Mo. Theft-prevention apparatus. 1,765,736; June 24.

- Pichson, Morris. (See Weisberg, Sidney, assignor.)
- Picht, Walter E., Seattle, Wash. Preserving fish bait. 1,746,714; Feb. 11.
- Pick, Eric, assignor to The Permutit Company, New York, N. Y. Gas-analyzing apparatus. 1,744,415; Jan. 21.
- Pick, George, et al. (See Gentile, Marino, assignor.)
- Pick, Hugo, Winnetka, assignor, by mesne assignments, to Albert Pick-Barth Company, Chicago, Ill. Blotter. 1,750,022; Mar. 11.
- Pickard, Frank C., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Conveyer for stokers. 1,785,282; Dec. 16.
- Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Phonographic machine. 1,744,838; Jan. 28.
- Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,758,968; May 20.
- Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Radio amplifying system. 1,770,143; July 8.
- Pickard, Henry A., Chicago, Ill. Border strip for service ware. Des. 81,071; Apr. 29.
- Pickard, J. B. (See Wolgamood, Hugh M., assignor.)
- Pickard, Joseph A. (See Hele-Shaw, H. S., and Pickard.)
- Pickard, Nathan C., Colorado Springs, Colo. Automatic unloading device for vehicles. 1,762,240; June 10.
- Pick-Barth, Albert, Company. (See Dworsky, Joseph S., assignor.)
- Pick-Barth, Albert, Company. (See Pick, Hugo, assignor.)
- Pickens, Claude A., assignor of one-half to A. Sly, Spokane, Wash. Clothes drier. 1,751,841; Mar. 25.
- Picker, Rodolphe, Budapest, Hungary. Centrifuge tube and spoon therefor. 1,775,109; Sept. 9.
- Pickering, Chester E., Ottawa, Ontario, Canada. Sanitary block holder. 1,761,154; June 3.
- Pickering, Forrest M., Anderson, Ind., and A. G. Ford, Aurora, Ill., assignors to Economy Governor Company, Anderson, Ind. Valve. 1,746,738; Feb. 11.
- Pickering Lumber Company. (See Lynch, Charles W., assignor.)
- Pickering, Theodore, Batavia, N. Y., assignor to Doehler Die-Casting Co. Core for undercut cup-shaped articles. 1,769,455; July 1.
- Pickering, Theodore, Batavia, N. Y., assignor to Doehler Die-Casting Co. Casting cylinder heads. 1,769,456; July 1.
- Pickett, John P., Camden, S. C. Flash light. 1,754,570; Apr. 15.
- Pickett, Lester D., Dunkirk, N. Y. Light-ray-control apparatus. 1,745,810; Feb. 4.
- Pickett, Lyman O., Binghamton, assignor of one-half to P. W. Valentine, New York, N. Y. Shoe. 1,767,698; June 24.
- Pickett, Oliver B., Long Beach, Calif. Lawn edger. 1,752,505; Apr. 1.
- Pickett, Oscar A., Kenil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Manufacture of nitrostarch. 1,779,825; Oct. 28.
- Pickin, Rowland O., Los Angeles, Calif. Drill bit. 1,760,317; May 27.
- Pickin, Rowland O., Los Angeles, Calif. Pipe-cutting tool. 1,772,085; Aug. 5.
- Pickop, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Vibrator housing. 1,747,485; Feb. 18.
- Pickop, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Vibrator. 1,762,416; June 10.
- Pickop, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Vibrator. 1,774,612; Sept. 2.
- Pickup, George A., East Nashville, Tenn. Rubber time stamp and dater. 1,762,027; June 3.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Liquid-fuel stove. Des. 80,490; Feb. 11.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Solid-fuel range. Des. 81,997; Sept. 9.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Handle for valves and the like. Des. 82,175; Sept. 30.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Heating stove. Des. 82,955; Dec. 30.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Liquid-fuel stove. 1,745,708; Feb. 4.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Drawer construction for stoves and the like. Electric switch. 1,743,232; Jan. 14.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Door-counterbalancing means. 1,745,709; Feb. 4.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Molding machine. 1,763,862; June 17.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Liquid-fuel stove. 1,771,653; July 29.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Oven structure for electric ranges. 1,784,201; Dec. 9.
- Picture Machine Service Corporation. (See Gottschau, Christian M., assignor.)
- Pidgeon, Robert A., Needham Heights, Mass. Elastic corset. 1,774,613; Sept. 2.
- Piehler, Kari, Leipzig-Gohlis, Germany. Apparatus for making concrete. 1,743,002; Jan. 7.
- Piekos, Tadeusz, West Lynn, assignor of one-half to Scepan Baczewski, Lynn, Mass. Dough-cutting machine. 1,753,217; Apr. 8.
- Pielstick, Gustav, assignor to Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany. Reversible internal-combustion engine of the fuel-injection type. 1,753,020; Apr. 1.
- Pielstick, Gustav, assignor to Maschinenfabrik Augsburg-Nürnberg, A. G., Augsburg, Germany. Engine cylinder. 1,780,138; Oct. 28.
- Piepenbring, Gustave A., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Ironing machine. 1,784,200; Dec. 9.
- Pieper, Alphonse F., et al. (See Pieper, O. H., and Meitzler, assignors.)
- Pieper, Alphonse F., Rochester, N. Y. Syringe. 1,757,473; Mar. 18.
- Pieper, Alphonse F., Rochester, N. Y. Transformer container. 1,759,997; May 27.
- Pieper, Alphonse F., Rochester, N. Y. Coupling for conductors. 1,767,612; June 24.
- Pieper, Alphonse F., Rochester, N. Y. Universal joint. 1,785,558; Dec. 16.
- Pieper, Chester R. (See Gillette, F., and Pieper.)
- Pieper, Chester R., La Crosse, Wis. Earth anchor. 1,778,372; Oct. 14.
- Pieper, Oscar H., et al. (See Pieper, O. H., and Meitzler, assignors.)
- Pieper, Oscar H., and C. R. Meitzler, Rochester, N. Y.; said Meitzler assignor to A. F. and Oscar H. Pieper. 1,781,524; Nov. 11.
- Pier, Mathias. (See Lappe, F., Koch, Pier, and Sauer.)
- Pier, Mathias, Heidelberg. M. Müller-Cunradi, G. Wietzel, and K. Winkler, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing gases for the manufacture of oxygenated organic compounds. 1,766,763; June 24.
- Pier Process Corporation. (See Murdock, W. J., Lungren, and Evans, assignors.)
- Pierce, Allen B., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 1,745,811; Feb. 4.
- Pierce-Arrow Motor Car Company, The. (See Hughes, Charles L., assignor.)
- Pierce Arrow Motor Car Company, The. (See Sheppy, James R., assignor.)
- Pierce Arrow Motor Car Company, The. (See Wise, Karl M., assignor.)
- Pierce, Burt N., New York, N. Y. Fuel-feeding device for motor vehicles. 1,766,684; June 24.
- Pierce, Burt N., New York, N. Y. Fuel-cleaning device for liquid fuels. 1,767,895; June 24.
- Pierce, Charles H. (See Bryer, E. J., and Pierce.)
- Pierce, Clifford A., Glen Ridge, assignor to Ewing Rubber Co., Ewing, N. J. Bead-forming machine. 1,747,132; Feb. 11.
- Pierce Development Company, The. (See Hoffman, Benjamin P. and A. M., assignors.)
- Pierce, Earl F. (See Stephenson, L. J., and Pierce.)
- Pierce, Earl F., deceased, and J. D. Dickinson, Chicago, Ill.; Central Trust Company of Illinois, administrator, assignor to F. E. Pierce. Lead pencil. 1,750,647; May 6.
- Pierce, Earl F., Winnetka, and D. H. Sweet, Evanston, assignors to Alemite Corporation, Chicago, Ill. Pressure-lubricating system. 1,786,548; Dec. 30.
- Pierce, Edward E., Sacramento, Calif. Socket tooth for excavating buckets. 1,777,222; Sept. 30.
- Pierce, Edward M., Dayton, Ohio. Automatic punch-press feed. 1,749,505; Mar. 4.
- Pierce, Elwood K., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Pipe-bend plug. 1,753,387; Apr. 8.
- Pierce, Ernest P., Cleveland, Ohio. Punch press. 1,749,545; Mar. 4.
- Pierce, Florence E. (See Pierce, E. F., and Dickinson, assignors.)
- Pierce, Florence E. (See Stephenson, L. J., and Pierce, assignors.)
- Pierce, Frederic E. (See Chase, M. F., Pierce, and Skogmark.)
- Pierce, Frederic E., New York, N. Y. Manufacturing high-grade zinc oxide. 1,781,702; Nov. 18.
- Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Shoe cleat. 1,760,084; May 27.
- Pierce, George L., and H. V. Rau, Brooklyn, assignors to A. G. Spalding & Bros., New York, N. Y. Cleat for sport shoes. 1,758,408; May 13.
- Pierce, George O., Rawlins, Wyo. Cleaning and polishing compound. 1,774,665; Sept. 2.
- Pierce, George W., Cambridge, Mass. Vibratory system and method. 1,750,124; Mar. 11.
- Pierce Governor Company. (See Cook, Calvin, assignor.)
- Pierce, Harold S., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Drive chain. 1,780,040; Oct. 28.
- Pierce, Hodgson S., assignor to The Studebaker Corporation, Detroit, Mich. Windshield. 1,745,710; Feb. 4.
- Pierce, Hodgson S., Detroit, Mich., assignor to The Cope Swift Company, Inc. Oil burner. 1,748,991; Mar. 4.
- Pierce, James B., jr., Charleston, W. Va. Barium sulphate and making same. 1,765,737; June 24.

- Pierce, James B., jr., assignor to Barium Reduction Corporation, Charleston, W. Va. Barium carbonate and sodium sulphhydrate manufacture. 1,774,523; Sept. 2.
- Pierce, James B., jr., assignor to Barium Reduction Corporation, Charleston, W. Va. Making hydrogen peroxide. 1,781,859; Nov. 18.
- Pierce, James B., jr., assignor to Barium Reduction Corporation, Charleston, W. Va. Manufacture of strontium oxide. 1,782,830; Nov. 25.
- Pierce, Jefferson F., Tampa, Fla. Heater for fireplaces. 1,747,259; Feb. 18.
- Pierce, Lee D. (See Wright, W. L., and Pierce.)
- Pierce, Leon, New York, N. Y., assignor to Pierce Steel Pile Corporation, Crane. Re17,886; Nov. 25.
- Pierce, Leon, New York, N. Y. Adjustable plumbing beam for pile drivers. 1,747,389; Feb. 18.
- Pierce, Leon, New York, N. Y. Earth-penetrator pile. 1,771,312; July 22.
- Pierce, Maurice R., U. S. Navy, Lakehurst, N. J. Camera sextant. Re17,790; Sept. 2.
- Pierce, Raymond C. (See De Motte, M. P., and Pierce.)
- Pierce, Raymond T., Milburn, N. J., assignor to Westinghouse Electric & Manufacturing Company. Meter casing. 1,763,178; June 10.
- Pierce, Raymond T., Milburn, N. J., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,786,778; Dec. 30.
- Pierce Renewable Fuses, Inc. (See Clemens, John G., assignor.)
- Pierce, Robert C. (See Crowley, G. F., and Pierce.)
- Pierce, Robert C., assignor to National-Standard Company, Niles, Mich. Tire-bead reinforcement. 1,763,179; June 10.
- Pierce, Robert C., Niles, Mich., assignor to National Standard Company. Tire-bead-reinforcing element. 1,767,772; June 24.
- Pierce Steel Pile Corporation. (See Pierce, Leon, assignor.)
- Pieri, Pompeo L., New York, N. Y. Combination hat, coat, shoe, and umbrella stand. Des. 80,453; Feb. 4.
- Pierle, Henry C., Cincinnati, Ohio. Wheel brake. 1,744,241; Jan. 21.
- Pieron, Otto, assignor to the firm Rudolph & Kühne G. m. b. H., Berlin, Germany. Device for drying textures. 1,759,804; May 20.
- Pierotti, William L. (See Backus, J. C., and Pierotti.)
- Piersol, Robert J., Pittsburgh, Pa. Unidirectional current-conducting device. 1,746,867; Feb. 11.
- Piersol, Robert J., Pittsburgh, Pa. Chromium plating. 1,774,901; Sept. 2.
- Piersol, Robert J., Pittsburgh, Pa. Controlling electroplating. 1,785,389; Dec. 16.
- Pierson, Charles W., C. Y. Fitzgerald, and G. E. Thomae, assignors of one-fourth to R. D. Pearson, Los Angeles, Calif. Banjo mute. 1,780,361; Nov. 4.
- Pierson, Datus M. (See Noble, W. and Pierson.)
- Pierson, Edwin W., Newark, N. J., assignor to Mergenthaler Linotype Company. Slug-casting machine. 1,750,353; Mar. 11.
- Pierson, Hubert W. (See Heston, C., Casady, and Pierson.)
- Pierson, Reginald K., and T. S. Duncan, assignors to Vickers Limited, Westminster, England. Hydraulic power-transmitting apparatus. 1,754,118; Apr. 8.
- Pierson, Torvald N., assignor to The Gleaner Combine Harvester Corporation, Independence, Mo. Elevator boot. 1,761,842; June 3.
- Pierson, Torvald N., assignor to The Gleaner Combine Harvester Corporation, Independence, Mo. Eccentric drive. 1,781,474; Nov. 11.
- Piesch, Henry. (See Mohun, J. L., and Piesch.)
- Piesen, Julius. (See Souček, Alois, assignor.)
- Piesik, Stefan, Mount Union, Pa. Propeller. 1,775,568; Sept. 9.
- Piesik, Stefan, Mount Union, Pa. Life-saving boat. 1,777,180; Sept. 30.
- Pietronigro, Alfonso, Ozone Park, N. Y. Sash window. 1,787,284; Dec. 30.
- Pietzsch, Albert. (See Adolph, G., and Pietzsch.)
- Pietzsch, Albert, and G. Adolph, Solln, near Munich, Germany, assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Alkaline oxidant and aluminum metal. 1,765,344; June 17.
- Pifer, George N., Cleveland, Ohio, assignor, by mesne assignments, to American Phototube Company, New York, N. Y. Making colored photographs. 1,751,881; Mar. 25.
- Pifer, George N., Cleveland, Ohio, assignor to American Phototube Company, New York, N. Y. Photographic card and producing the same. 1,751,882; Mar. 25.
- Piggott, Hattie A. (See Piggott, Warren M., assignor.)
- Piggott, Henry A. (See Payman, J. B., and Piggott.)
- Piggott, Warren M., assignor to H. A. Piggott, Bay City, Mich. Aircraft construction. 1,784,027; Dec. 9.
- Pignocco, John, Oglesby, Ill., assignor of one-half to G. A. Grosskreutz, La Salle, Ill. Drum beater. 1,769,712; July 1.
- Pigott, Reginald J. S., New York, N. Y. Rotary fluid unit. 1,742,215; Jan. 7.
- Pilspanen, Väinö, Helsinki, Finland, assignor to Koehring Company, Milwaukee, Wis. Concrete mixer. 1,780,940; Nov. 11.
- Pike, Hutchison M. (See Pike, William A. and H. M., and Henry.)
- Pike, Neal C., Blanton, Fla., assignor to The Richardson Company, Lockland, Ohio. Saturated fiber web. 1,760,606; May 27.
- Pike, Otis W., Schenectady, N. Y., assignor to General Electric Company. Exhausting vacuum tubes. 1,746,164; Feb. 4.
- Pike, Otis W., Schenectady, N. Y., assignor to General Electric Company. Vacuum tube. 1,758,803; May 13.
- Pike, Robert D. (See Cummings, Ross, assignor.)
- Pike, Robert D., Piedmont, Calif. Making electrolytic iron. 1,746,903; Feb. 11.
- Pike, Robert D., Piedmont, Calif. Metallurgical furnace. 1,746,904; Feb. 11.
- Pike, Robert D., Piedmont, Calif. Making electrolytic iron from scrap. 1,751,099; Mar. 18.
- Pike, Robert D., Piedmont, Calif. Metallurgical process. 1,761,641; June 3.
- Pike, Robert D., Piedmont, Calif. Rotary kiln. 1,766,453; June 24.
- Pike, Robert D., Piedmont, Calif. Metallurgical process. 1,769,604; July 1.
- Pike, Robert D., Piedmont, Calif. Making electrolytic iron. 1,769,605; July 1.
- Pike, Robert D., Piedmont, Calif. Apparatus for the electrodeposition of iron. 1,782,909; Nov. 25.
- Pike, Robert D., Oakland, Calif. Manufacture of di-calcium phosphate. 1,753,478; Apr. 8.
- Pike, Robert D., Piedmont, assignor to Kalif Corporation, Emeryville, Calif. Bushing. 1,770,582; July 15.
- Pike, Robert D., Piedmont, and R. Cummings, Berkeley, Calif., said Cummings assignor to said Pike. Purifying mono potassium phosphate. 1,746,905; Feb. 11.
- Pike, Robert D., Piedmont, R. Cummings, Berkeley, and L. V. Steck, Oakland, Calif.; said Cummings and said Steck assignors to said Pike. Manufacture of chloride of potassium and carbonates of sodium and potassium. 1,770,995; July 22.
- Pike, William A. and H. M., and W. T. Henry, Springfield, Tenn. Curing of tobacco. 1,768,142; June 24.
- Pikor, John A., et al. (See Jarosz, John, assignor.)
- Pilates, Joseph, New York, N. Y. Catapult. 1,785,876; Dec. 23.
- Pilcher, John V. (See Babbitt, John F., assignor.)
- Pilcher, Stephen J. (See O'Brien, C. M., and Pilcher.)
- Pilgrim, Frederick J., Detroit, Mich. Cleaning and polishing compound. 1,743,865; Jan. 14.
- Pilkington Brothers Limited. (See Griffin, James H., assignor.)
- Pilkington Brothers Limited. (See Lemare, Ernest B., assignor.)
- Pilkington Brothers Limited. (See Merian, F., and Cruikshank, assignors.)
- Pilkington Brothers Limited. (See Waldron, Frederic B., assignor.)
- Pilkington, Frank, Philadelphia, Pa. Knitting machine. 1,775,497; Sept. 9.
- Pilkington, Robert G., assignor to Divine Brothers Company, Utica, N. Y. Polishing-wheel-heading machine. 1,779,638; Oct. 28.
- Pilla, Sebastiano, Jersey City, N. J. Device for cleaning clotheslines. 1,748,899; Feb. 25.
- Pilla, Sebastiano, Jersey City, N. J. Device for cleaning lines or strands. 1,748,900; Feb. 25.
- Pilla, Sebastiano, Jersey City, N. J. Safety lock for car doors and the like. 1,779,780; Oct. 28.
- Pillatt, Christopher A., Joliet, Ill. Gate valve. 1,752,456; Apr. 1.
- Pillatzke, John M., Minneapolis, Minn. Method and apparatus for drying and burning molded ware. 1,786,364; Dec. 23.
- Piller, Karl, Albuquerque, N. M. Vessel-base protector. 1,772,683; Aug. 12.
- Pilling, Charles J., Lansdowne, assignor to The George P. Pilling & Son Company, Philadelphia, Pa. Surgical suction and pressure apparatus. 1,785,745; Dec. 23.
- Pilling, Charles J., Lansdowne, assignor to The George P. Pilling & Son Company, Philadelphia, Pa. Surgical suction and pressure apparatus. 1,785,746; Dec. 23.
- Pilling, George P., & Son Company, The. (See Pilling, Charles J., assignor.)
- Pilling, Norman B., Elizabeth, N. J., assignor to Westinghouse Electric & Manufacturing Company. Treating alloys. 1,744,242; Jan. 21.
- Pilling, Thomas, Stalybridge, England. Stop motion for looms for weaving. 1,722,430; Aug. 5.
- Pilliod Company, The. (See Purdy, Jay D., assignor.)
- Pilny, Alexander, Zurich, Switzerland. Producing films for color cinematography. 1,759,914; May 27.
- Pilon, Gaspard D., Montreal, Quebec, Canada. Fastener. 1,768,371; June 24.
- Pilot Laboratory, Inc. (See McKee, R. H. Morse, and Rollhaus, assignors.)
- Pilot Laboratory, Inc. (See Stoddard, William B., assignor.)
- Pilot Laboratory, Inc. (See Stoddard, W. B., and Kokatnur, assignors.)
- Pilot Laboratory, Inc. (See Stoddard, W. B., Townend, and Kokatnur, assignors.)
- Pilot Radio & Tube Corporation. (See Geloso, John, assignor.)
- Pilot Radio & Tube Corporation. (See Horton, Charles, assignor.)
- Pilot Radio & Tube Corporation. (See Moskowitz, Ben Z., assignor.)

- Pilot Radio & Tube Corporation. (See Ramsdell, Russell, assignor.)
- Pilot Ray Corporation. (See Cronkhite, Charles M., assignor.)
- Pilot Ray Corporation. (See Keck, G. S., and Cronkhite, assignors.)
- Piloty, Hans, Wilmersdorf, Germany, assignor to General Electric Company. Protective arrangement. 1,776,132; Sept. 16.
- Pilz, Alfred M., Midwest, Wyo. Spring, rebound control, and strain equalizer. 1,745,269; Jan. 28.
- Pimm, Charles C., et al. (See Welt, Frank L., assignor.)
- Pimm, John C., Syracuse, N. Y. Advertising panel for automobile doors. 1,776,952; Sept. 30.
- Pimper, Alois A. (See Luxa, L., and Pimper.)
- Pinardi, Charles P., assignor to The Willys-Overland Company, Toledo, Ohio. Bumper bracket. 1,775,139; Sept. 9.
- Pinaud, Inc. (See Lynch, Frank J., assignor.)
- Pinaud Incorporated. (See Michelin, Marcel M., assignor.)
- Pinaud Incorporated. (See Riegel, George F., assignor.)
- Pinaud, John A., Jersey City, N. J. Adjustable wind vane. 1,768,784; July 1.
- Pinches, Arthur E. assignor of one-half to The Tinsley Rolling Mills Company Limited, Sheffield, England. Eccentric rolls for rolling mills and the like. 1,767,392; June 24.
- Pinck, Louis A., Washington, D. C. Nitrating cellulose. 1,784,945; Dec. 16.
- Pindar, Lewis C. (See Summer, J. H., jr., and Pindar.)
- Pindar Norris T., Valdosta, Ga. Sharpening device for curved edged tools. 1,767,941; June 24.
- Pine Waste Products, Inc. (See Wallace, Joseph H., assignor.)
- Pine, Wilber J., Kenosha, Wis. Brake-testing device. 1,765,738; June 24.
- Pineau, Auguste, assignor to A C Spark Plug Company, Flint, Mich. Instrument panel. 1,744,010; Jan. 14.
- Pineles, Solomon M. (See Mitchell, L. E., Connors, and Pineles.)
- Pineles, Solomon M., assignor to H. B. Staver, Chicago, Ill. Dog-racing apparatus. 1,756,066; Apr. 29.
- Pineno, Stephen. (See Colantuono, M., and Pineno.)
- Pineo, John H., Brookline, Mass. Door fastener. 1,780,941; Nov. 11.
- Pines Winterfront Company. (See Harrington, James, assignor.)
- Pineschi, Lamberto. (See Quintiliani, A., and Pineschi.)
- Pink, Arthur E., Sandwick, Orkney Islands, Scotland. Appliance for the continuous filtration of slime. 1,772,684; Aug. 12.
- Pink, Edward F., Cambridge, Md. Wire fabric. 1,775,050; Sept. 2.
- Pink, Frank, Portsmouth, England. Apparatus for separating liquids of different densities. 1,754,119; Apr. 8.
- Pinkerton, Clarence S., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Auxiliary timing device. 1,743,233; Jan. 14.
- Pinkerton, Clarence S., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Method of and apparatus for measuring the flow of fluids. 1,767,613; June 24.
- Pinkerton, Clarence S., Milwaukee, and W. H. Greenwood, Wauwatosa, Wis., assignors, by mesne assignments, to Cutler-Hammer, Inc. Method of and apparatus for ascertaining the rate of flow of fluids. 1,769,358; July 1.
- Pinkerton, Edward E., Chicago, Ill. Phonograph. 1,764,977; June 17.
- Pinkler, Arthur P., assignor, by mesne assignments, to Wm. H. Bristol Talking Picture Corporation, Waterbury, Conn. Diaphragm. 1,751,356; Mar. 18.
- Pinless Clothes Line Corporation. (See Law, Otis E., assignor.)
- Pinneo, Walter R., Marshalltown, Iowa. Tire boot. 1,785,390; Dec. 16.
- Pinsuti, Giuseppe F., New York, N. Y. Bottle stopper. 1,775,292; Sept. 9.
- Pintel, Herman, Arlington, N. J. Clothes rack. 1,752,691; Apr. 1.
- Pinto, Anthony, New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Control system for elevators. 1,764,885; June 17.
- Pinto, Anthony, New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Control system. 1,764,886; June 17.
- Pinto, Anthony, New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Control system. 1,771,463; July 29.
- Pinto, Anthony, New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Control system. 1,771,464; July 29.
- Pintsch, Julius Aktiengesellschaft. (See Rosenthal, Hans, assignor.)
- Pinzit Company, The. (See Aaron, Harry, assignor.)
- Pioch, Carl E., assignor of one-half to A. H. Pearson, Detroit, Mich. Work-locating pins for jigs. 1,770,558; July 22.
- Pioneer Broom Company. (See Blood, Frank J., assignor.)
- Pioneer Butter Wrapping Machine Company. (See Ratliff, George D., assignor.)
- Pioneer Instrument Company Incorporated. (See Titterington, Morris M., assignor.)
- Pioneer Iron and Wireworks Company, The. (See Fitting, Jacob, Jr., assignor.)
- Pioneer Pearl Button Company. (See Knott, Warren E., assignor.)
- Pioneer Specialties Company. (See Blaeser, Andrew P., assignor.)
- Pioneer Suspender Company. (See Simmons, Frederick C., assignor.)
- Piotti, Miguel A., New York, N. Y. Window sash. 1,760,994; June 3.
- Piper, Grover C. (See Harlow, Lee H., assignor.)
- Piper, Harry D., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for heat-treating metals. 1,752,573; Apr. 1.
- Piper, John H., Mottingham, England. Self-acting mechanism for operating sliding windows. 1,746,442; Feb. 11.
- Piper, Walter F. (See Beardsley, E. O., and Piper.)
- Piper, William S., Liberty, Mo. Automatic fire-alarm system. 1,774,995; Sept. 2.
- Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Support for resistance elements. 1,775,441; Sept. 9.
- Pipes, Walter L., Elizabeth, N. J., assignor to The Shoe Hardware Company, Waterbury, Conn. Multiple-fastening device. 1,745,116; Jan. 28.
- Pipirs, Gerhard J. W., Gumbinnen, Germany. Drawing instrument. 1,745,188; Jan. 28.
- Pipkorn, Werner. (See Binte, H., and Pipkorn.)
- Pippin, John W., Hebronville, Tex. Device for separating water from oil. 1,750,489; Mar. 11.
- Pippin, John W., Hebronville, Tex. Device for separating water from oil. 1,750,490; Mar. 11.
- Piquerez, Emile, Paris, France, assignor to Alemite Corporation, Chicago, Ill. Double-action lubricant compressor. 1,746,604; Feb. 11.
- Piquerez, Emile, Paris, France, assignor to Alemite Corporation, Chicago, Ill. Lubricant compressor. 1,782,441; Nov. 25.
- Piquerez, Emile, St. Cloud, assignor to Société Anonyme des Etablissements Técalémit, Paris, France. Pump-outflow-regulating device. 1,782,073; Nov. 18.
- Pirani, Marcello, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Manufacture of bodies of great density. 1,747,133; Feb. 11.
- Piron, Emil, New York, N. Y. Feeding device. 1,747,260; Feb. 18.
- Piron, Emil H., assignor to Nobel and Harris, Detroit, Mich. Traffic signal. 1,759,368; May 20.
- Pirsch, Peter and Sons Co. (See Pirsch, Peter, assignor.)
- Pirsch, Peter, and Sons Co. (See Pirsch, William R., assignor.)
- Pirsch, Peter, assignor to Peter Pirsch and Sons Co., Kenosha, Wis. Floating-lap ladder. 1,758,969; May 20.
- Pirsch, William R., assignor to Peter Pirsch and Sons Co., Kenosha, Wis. Foam-generating tank. 1,748,992; Mar. 4.
- Pisani, Giulio, North Bend, Pa. Insect trap. 1,772,729; Aug. 12.
- Piston Ring Company, The. (See Johnson, Charles E., assignor.)
- Pistorius, Carl, New York, N. Y. Brush guard. 1,769,233; July 1.
- Pitcairn, Roy C. (See Hall, William G., assignor.)
- Pitcairn, William S., Corporation. (See Merriman, Thomas C., assignor.)
- Pitkin, Arthur F., Schenectady, N. Y. Steam-boiler stay bolt. 1,750,687; Mar. 18.
- Pitman, Earle C., Farling, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reducing the viscosity of nitrocellulose solutions. 1,770,108; July 8.
- Pitman, Earle C., Princeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preventing spontaneous combustion. 1,782,126; Nov. 18.
- Pitman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,743,866; Jan. 14.
- Pitman, Henry L., Westfield, assignor, by mesne assignments, to Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,764,978; June 17.
- Pitner, Marion W., assignor to Travler Manufacturing Corporation, Chicago, Ill. Trestle. 1,778,566; Oct. 14.
- Pitney-Bowes Postage Meter Company. (See Ogden, Jacob W., assignor.)
- Pitschner, Karl, Bridgeport, Conn., assignor to American Chain Company, Inc. Testing metallic coatings. 1,753,301; Apr. 8.
- Pitt, William, Brooklyn, N. Y. Automatic variable-transmission mechanism. 1,752,755; Apr. 1.
- Pitt, William A., Montreal, Quebec, Canada, assignor of forty-nine percent to F. Summer, New York, N. Y. Train-lighting apparatus. 1,786,401; Dec. 23.
- Pittam, George R., T. B. Blevins, and P. F. Brandt, assignors of one-fourth to J. C. Phillips, Long Beach, Calif. Colonic and vaginal irrigating apparatus. 1,758,332; May 13.
- Pittman, Artemus E., Muscogee, Fla. Combined cotton blocker and cultivator. 1,784,313; Dec. 9.
- Pittock, John W. (See Powling, William T., assignor.)
- Pittoni, Louis E., Jamaica, N. Y., assignor to The Rome Company, Inc. Mattress and mattress boxing. 1,762,106; June 3.
- Pitts, John B., Louisville, Ky. Mobile display rack. 1,749,259; Mar. 4.

- Pittsburgh Clay Pot Company. (See Emminger, Thomas F., assignor.)
- Pittsburgh-Des Moines Company. (See Wolfstyn, Carl E., assignor.)
- Pittsburgh Equitable Meter Company. (See Armstrong, James R., assignor.)
- Pittsburgh Equitable Meter Company. (See Chrisman, Horace, assignor.)
- Pittsburgh Equitable Meter Company. (See Weymouth, Harry G., assignor.)
- Pittsburgh Garter Company. (See Eisel, Ralph C., assignor.)
- Pittsburgh Metal Airplane Company. (See Fox, Harold E., assignor.)
- Pittsburgh Plate Glass Company. (See Barnes, William E., assignor.)
- Pittsburgh Plate Glass Company. (See Evans, Albert E., assignor.)
- Pittsburgh Plate Glass Company. (See Fox, J. H., and Owen, assignors.)
- Pittsburgh Plate Glass Company. (See Gelstharp, Frederick, assignor.)
- Pittsburgh Plate Glass Company. (See Halbach, Howard L., assignor.)
- Pittsburgh Plate Glass Company. (See Halbach, H. L., and Limbers, assignors.)
- Pittsburgh Plate Glass Company. (See Harrington, Alfred L., assignor.)
- Pittsburgh Plate Glass Company. (See Higgins, Henry B., assignor.)
- Pittsburgh Plate Glass Company. (See Hitchcock, Halbert K., assignor.)
- Pittsburgh Plate Glass Company. (See Hitner, Harry F., assignor.)
- Pittsburgh Plate Glass Company. (See Kutchka, Karl G., assignor.)
- Pittsburgh Plate Glass Company. (See Means, Dwight R., assignor.)
- Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
- Pittsburgh Plate Glass Company. (See Raleigh, Walter P., assignor.)
- Pittsburgh Plate Glass Company. (See Schneider, Frederick W., assignor.)
- Pittsburgh Plate Glass Company. (See Showers, Lee, assignor.)
- Pittsburgh Plate Glass Company. (See Watt, John A., assignor.)
- Pittsburgh Plate Glass Company. (See Wright, Charles H., assignor.)
- Pittsburgh Research Corporation. (See Moore, William E., assignor.)
- Pittsburgh Rolls Corporation. (See Wilson, Albert, assignor.)
- Pittsburgh Screw & Bolt Company. (See Dicks, Thomas A., assignor.)
- Pittsburgh Screw & Bolt Corporation. (See Peirce, William B., assignor.)
- Pittsburgh Screw and Bolt Corporation. (See Shrum, Peter J., assignor.)
- Pittsburgh Screw and Bolt Corporation. (See Smith, George S., assignor.)
- Pittsburgh Steel Company. (See Bull, George E., assignor.)
- Pittsburgh Steel Company. (See Johnson, August G., assignor.)
- Pittsburgh Steel Drum Company. (See McCrery, Harold E., assignor.)
- Pittsburgh Steel Foundry Corporation. (See Allison, John, assignor.)
- Pittsburgh Steel Foundry Corporation. (See Hassel, Gustav A., assignor.)
- Pittsburgh Steel Foundry Corporation. (See Williams, J. and McHugh, assignors.)
- Pittsburgh Tag Company. (See Magidson, Frank, assignor.)
- Pittsburg Water Heater Company. (See Kolts, J. H., and Krah, assignors.)
- Pittsburgh Wood Preserving Company. (See Alinder, H., and Shipley, assignors.)
- Pixley, John H., Harrison, Mich. Grass-pulling attachment for spring-toothed harrows. 1,780,840; Nov. 24.
- Pixley, Milton A., et al. (See Howard, Charles O., assignor.)
- Pizzala, Martin C., et al. (See Soprani, Paul, assignor.)
- Pizzutiello, Henry, et al. (See Corbi, Joseph L., assignor.)
- Placak, Harry, assignor to The G. E. Conkey Company Cleveland, Ohio. Vitamin food and producing same. 1,764,085; June 17.
- Place, Alfred G., deceased, Youngstown, Ohio; E. L. Place and The Dollar Savings and Trust Company, executors. Feeding mechanism for tube mills. 1,767,810; June 24.
- Place, Alfred W., assignor to The Universal Machine Company, Bowling Green, Ohio. Universal joint. 1,747,529; Feb. 18.
- Place, Charles H., New Rochelle, N. Y. Raincoat. 1,784,158; Dec. 9.
- Place, Claude W., La Grange, Ill., assignor to General Electric Company. Prime-mover-control system. 1,778,605; Oct. 14.
- Place, Claude W., La Grange, Ill., assignor to General Electric Company. Prime-mover-control system. 1,778,644; Oct. 14.
- Place, Edna L., et al., executors. (See Place, Alfred G.)
- Place, Josiah W., West Orange, N. J., assignor to United States Gauge Company, New York, N. Y. Thermometer. 1,748,144; Feb. 25.
- Place, Marguerite H., San Francisco, Calif. Fastening device. 1,781,078; Nov. 11.
- Plaggmier, Robert C. (See Janda, G. W., and Plaggmier.)
- Plante, Arthur N., Torrington, Conn. Screw driver. 1,768,627; July 1.
- Plainville Stock Company. (See Weisman, Julius, assignor.)
- Planche, Benjamin R., Villefranche-S-Saone, France. Control plug unit for splash-feed lubricating systems. 1,766,001; June 24.
- Plane-Speaker Corporation. (See Coburn, James M., assignor.)
- Planer, Paul. (See Feldner, Friedrich, assignor.)
- Planett, Fred E. (See Thrift, M. B., and Planett.)
- Planett Mfg. Co. (See Thrift, M. B., and Planett, assignors.)
- Plank, Walter E., San Francisco, Calif. Steering mechanism for trailers. 1,745,117; Jan. 28.
- Plass, Robert H., Upper Montclair, N. J., assignor to A. Kimball Company, New York, N. Y. Price tag. 1,778,535; Oct. 14.
- Plass, Robert H., Montclair, assignor to The Chapal Donner Corporation, Newark, N. J. Pelt-dehairing machine. 1,782,662; Nov. 25.
- Plastic, Inc. (See Burgess, Laurie L., assignor.)
- Plastoid Products, Inc. (See Greenleaf, Robert M., assignor.)
- Plate, Albert H., assignor to Durant Manufacturing Company, Milwaukee, Wis. Control device for mixing machines. 1,754,284; Apr. 15.
- Platenberg, Herman W., assignor to Axelson Machine Company, Los Angeles, Calif. Valve for oil pumps. 1,757,139; May 6.
- Plater, Albert S., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Embossing cutter head. 1,752,107; Mar. 25.
- Plater, James H., Burbank, Calif. Piston-ring expander. 1,776,008; Sept. 16.
- Plato, Gerhardt, Chicago, Ill. Internal-combustion engine. 1,766,401; June 24.
- Platou, Erling S., Minneapolis, Minn. Oscope. 1,775,140; Sept. 9.
- Platou, Levi S., Southington, Conn., assignor to The Peck, Stow and Wilcox Company, Southington, Conn. Sheet-metal-working machine. 1,774,155; Aug. 26.
- Platt, Arthur I., incompetent, by B. R. Platt, conservatrix, Fairfield, Conn., assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Ice pick. 1,781,475; Nov. 11.
- Platt, Bessie R., conservatrix. (See Platt, Arthur I.)
- Platt Brothers and Company Limited. (See Wilkinson, Henry, assignor.)
- Platt, Cornelius E., Windsor, Ontario, Canada. Automatic foldable stand for golf bags. 1,757,471; May 6.
- Platt, Garland R., et al. (See Mayo, Fred E., assignor.)
- Platt, Herbert. (See Dreyfus, C., and Platt.)
- Platt, John W. (See Kramer, A. E., and Platt.)
- Platt, John W., and A. E. Kramer, Waterville, Conn. Safety gas-valve lock. 1,743,685; Jan. 14.
- Platt, Lester B., Caldwell, N. J. Device for distributing powdery substances. 1,759,998; May 27.
- Platt, Roy F., et al. (See Mayo, Fred E., assignor.)
- Platt, William. (See Miller, J. J., and Platt.)
- Platten, Emmett. (See Platten, William J., assignor.)
- Platten, William J., assignor to E. Platten, Green Bay, Wis. Refrigerating counter. Re17,586; Feb. 11.
- Platter, Orval R. (See Gill, H., and Platter.)
- Platter, Orval R., and J. T. Ball, North Vernon, Ind. Composition material for sound transmitters. 1,778,164; Oct. 14.
- Platts, Thomas H. (See Dickle, W. A., Platts, and Latham.)
- Plaut, Antoine P., assignor to one-half to Roberts Brass Manufacturing Company, Detroit, Mich. Fluid-control device. 1,762,193; June 10.
- Player, Edward, Astley, near Nuneaton, England. Foundry molding flask. 1,746,128; Feb. 4.
- Pleasant, Herman E., Mansfield, Ohio, assignor to Westinghouse Electric and Manufacturing Company. Refrigerator cabinet. Des. 81,072; Apr. 29.
- Pleasant, Herman E., Mansfield, Ohio, assignor to Westinghouse Electric and Manufacturing Company. Refrigerator cabinet. Des. 82,582; Nov. 18.
- Plein, Mathias, Roseland, Nebr. Lister corn harrow. 1,761,491; June 3.
- Pleister, Henry W. (See Newhall, H. B., Pleister, and Giblin.)
- Pleister, Henry W., Westfield, and J. Karitzky, Garwood; said Karitzky and said Pleister assignors to H. B. Newhall, Plainfield, N. J. Nail expansion. 1,746,963; Feb. 11.
- Pleister, Henry W., Westfield, and J. Karitzky, assignors to Henry B. Newhall Corporation, Garwood, N. J. Bolt anchor. 1,754,333; Apr. 15.
- Pleister, Henry W., Westfield, and J. Karitzky, assignors to Henry B. Newhall Corporation, Garwood, N. J. Manufacturing forged percussion masonry twist drill. 1,759,416; May 20.
- Pleister, Henry W., Westfield, and J. Karitzky, assignors to Henry B. Newhall Corporation, Garwood, N. J. Drop-wire support. 1,759,591; May 20.

- Pleister, Henry W., Westfield, and J. Karitzky, assignors to Henry B. Newhall Corporation, Garwood, N. J. Nail expansion. 1,771,233; July 22.
- Pleister, Henry W., Westfield, assignor to Henry B. Newhall Corporation, Garwood, N. J. Combined bolt anchor and support. 1,783,976; Dec. 9.
- Pletcher, Delmer L., Long Beach, Calif. Hypodermic syringe. 1,782,938; Nov. 25.
- Pletsch, Carl, Bad-Nauheim, Germany. Galvanizing. 1,755,559; Apr. 22.
- Plibrico Jointless Firebrick Company. (See Anderson, John E., assignor.)
- Plimpton, John A., Winnetka, Ill., assignor to Pennsylvania Crusher Company, New York, N. Y. Cleaning device for coal breakers. 1,746,555; Feb. 11.
- Plishker, Herbert E., Flushing, N. Y., assignor to Westinghouse Lamp Company. Wrapper for a box or carton. Des. 82,758; Dec. 9.
- Ploger, Gustav, Dell, Mont. Aeroplane. 1,755,022; Apr. 15.
- Plotkin, Oscar H., assignor to S. Dresner & Son, Inc., Chicago, Ill. Catch for traveling-bag and Gladstone-bag frames. 1,758,087; May 13.
- Plough, Inc. (See Krebs, George A., assignor.)
- Plourde, Joseph A., and A. J. Tetreault, Chicopee Falls, Mass. Combined rim tool and tire carrier. 1,756,304; Apr. 29.
- Pludowski, Alexander, assignor of three-fourths to B. Kurasiewicz, Chicago, Ill. Chair. 1,744,243; Jan. 21.
- Plum, Johannes, assignor to Fantail Boat Corporation, New York, N. Y. Speed boat. 1,779,075; Oct. 21.
- Plum, John, Bridgeport, Conn. Drop keel for submarines. 1,764,979; June 17.
- Plum, William T., Jr., Oakhurst, N. J. Reproducing device. 1,760,085; May 27.
- Plumb, Arthur J., Nottingham, England. Surgical truss and like appliance. 1,778,001; Oct. 7.
- Plumb, Ermin F. (See Ogden, Dana P., assignor.)
- Plumb, Ralph, Buffalo, assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Method of and apparatus for making threaded bolts. 1,749,086; Mar. 4.
- Plumb, Walter. (See Coyle, J., and Plumb.)
- Plumer, James T., Detroit, Mich. Sprinkler. 1,784,251; Dec. 9.
- Plummer, Clayton E., La Grange, Ill., assignor to Electro Metallurgical Company. Acid-resistant alloy. 1,753,904; Apr. 8.
- Plummer, Jesse W., Pelly, assignor to J. S. Abercrombie, Houston, Tex. Casing cutter. 1,774,564; Sept. 2.
- Plummer, Norman A., Portland, Me. Tire-repairing tool. 1,778,686; Oct. 14.
- Plus-Two Wheels, Inc. (See McCulla, William R., assignor.)
- Plut, Mark A., Leadville, Colo. Hack saw with motor-reciprocated blade. 1,775,692; Sept. 16.
- Plutte, Frederick. (See Watson, A. E., and Plutte.)
- Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Screw. Des. 81,453; June 24.
- Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Stand. 1,765,699; June 24.
- Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Store-front construction. 1,768,628; July 1.
- Plymouth Cordage Company. (See Damon, John H., assignor.)
- Plympton, Frederic K., Brewster, N. Y., assignor to N. D. Plympton, Southport, Conn. Bottle closure and the like. 1,777,995; Oct. 7.
- Plympton, Naomi D. (See Plympton, Frederic K., assignor.)
- Pneumatic Appliances Corporation. (See Weiland, Alfred, assignor.)
- Pneumatic Conveyance & Extraction (1929) Limited. (See Chew, Samuel N., assignor.)
- Pneumatic Scale Corporation. (See Everett, Arthur C., assignor.)
- Pneumatic Scale Corporation. (See Joplin, William A., assignor.)
- Pochin, Frank H., Leicester, England. Heel-attaching machine. 1,756,134; Apr. 29.
- Pochin, Frank H., H. S. Pochin, and C. H. Millman, Leicester, England. Apparatus for trimming or paring the edges of Louis heels. 1,746,843; Feb. 11.
- Pochin, Horace S. (See Pochin, F. H., and Millman.)
- Pocock, Lyndall C., Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Telephone hand set. 1,779,490; Oct. 28.
- Pocock, Lyndall C., and R. Blackburn, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone transmitter. 1,778,400; Oct. 14.
- Pocock, Sylvester J., assignor of one-half to J. K. Richardson, St. Marys, Ontario, Canada. Apparatus for dispensing gasoline and the like. 1,767,256; June 24.
- Podel, Abraham, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Lacquering machine and oven. 1,753,998; Apr. 8.
- Podel, Abraham, Bronz, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Hermetically-sealed package and method of sealing. 1,753,999; Apr. 8.
- Podel, Abraham, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Vacuum-sealing machine. 1,767,475; June 24.
- Podell, Peter, Co. (See Bonnat, Max P., assignor.)
- Podmayer, Stephan, assignor to Stability Leather Goods Mfg. Co., St. Louis, Mo. Traveling bag. Des. 80,964; Apr. 15.
- Podolsky, Henry, San Francisco, Calif. Aeroplane. 1,754,571; Apr. 15.
- Podrouzek, William, Chicago, Ill. Coin-controlled electric switch. 1,766,354; June 24.
- Podszus, Emil, Berlin-Friedrichshagen, assignor to Hartstoff-Metall Aktiengesellschaft (Hametag), Berlin-Copenick, Germany. Producing lamelliform metal powders. 1,785,283; Dec. 16.
- Podszus, Leopold, Berlin-Charlottenburg, Germany. Car-buretor. 1,746,361; Feb. 11.
- Podszus, Leopold, Berlin-Charlottenburg, Germany. Car-buretor. 1,748,677; Feb. 25.
- Poeck, Max, New York, N. Y. Sanitary cigarette. 1,784,386; Dec. 9.
- Poebls, Alfred F., Algoma, Wis. Adjustable base for automobile jacks. 1,782,313; Nov. 18.
- Poeltl, Joseph, St. Paul, Minn. Playing device for pianos and the like. 1,775,865; Sept. 16.
- Poeppel, Emil O. H., Chicago, Ill. Pipe-nipple connection. 1,779,712; Oct. 28.
- Poeppel, Henry J., and B. H. Blondeau, Seattle, Wash. Sausage-filling nozzle. 1,776,597; Sept. 23.
- Poeppelmeier, Frank H., assignor to The Typographic Machines Company, Dayton, Ohio. Indexing mechanism for chase plates and printing segments. 1,753,428; Apr. 8.
- Poeppelmeier, Frank H., assignor to The Typographic Machines Company, Dayton, Ohio. Forming metal tubes. 1,762,835; June 10.
- Poerner, Edward W., East Orange, N. J., assignor to Artcraft Metal Stamping Corporation. Lighting fixture. Des. 81,845; Aug. 19.
- Poesse, Walter H. (See Spielman, M. H., and Poesse.)
- Poetzinger, William S., assignor to Reo Motor Car Company, Lansing, Mich. Truing valve forgings and the like. 1,755,663; Apr. 22.
- Pogue, Charles N., Winnipeg, Manitoba, assignor to A. J. Andrews, trustee, Winnipeg, Canada. Carburetor. 1,750,354; Mar. 11.
- Pogue, Robert B., Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Annealing pot. 1,768,929; July 1.
- Pohjonen, Väinö H., Pori, Finland. Baling press. 1,758,970; May 20.
- Pohl, Edwin L., Hartford, Wis. Closure for collapsible tubes. 1,759,206; May 20.
- Pohl, Fritz, Vienna, Austria, and M. Vogel, assignors to the firm M. Vogel A. G. Geschafsbücher und Metallwaren-Fabrik, Frankfort-on-the-Main, Germany. Clamping device for files, newspaper holders, and the like. 1,765,880; June 24.
- Pohl, Max J., assignor to Automaten- & Fuellungs-Manufaktur, G. m. b. H., Frankfort-on-the-Main, Germany. Automatic weighing machine. 1,773,239; Aug. 19.
- Pohl, Walter. (See Schaefer, W., and Pohl.)
- Pohland, August F. (See Pohland, Edmund C., A. F., and C.)
- Pohland, Charles, sr. (See Pohland, Edmund C., A. F., and C.)
- Pohland, Edmund C., A. F., and C. sr., Latrobe, Pa. Window-sash mullion. 1,759,710; May 20.
- Pohlman, Henry, New York, N. Y. Sounding-board support for grand and upright pianos. 1,779,288; Oct. 21.
- Pohlmann, Gustav, and J. Stattman, Brooklyn, N. Y. Direction indicator. 1,744,794; Jan. 28.
- Pohlsen, Carl V., Pawtucket, R. I. Combined brush and hat holder. Des. 81,300; June 3.
- Pohlsen, Carl V., Pawtucket, R. I. Combustible chemical unit. 1,743,388; Jan. 14.
- Pohlsen, Carl V., Pawtucket, R. I. Combined brush and hat holder. 1,781,822; Nov. 18.
- Pointon, John E. (See Harber, L. S., and Pointon.)
- Pointon, John E., and L. S. Harber, Peterborough, England, assignors to Baker Perkins Company Incorporated, New York, N. Y. Dough-dividing machine. 1,763,322; June 10.
- Poister, James C., Morrill, Kans. Match receptacle. 1,752,108; Mar. 25.
- Poirmeur, Louis I., Meru, France. Rotary pump of the oscillating-blade type. 1,782,314; Nov. 18.
- Pol, John B., assignor to Jacobsen Manufacturing Co., Racine, Wis. Lawn mower and accessory therefor. 1,757,844; May 6.
- Polack, Wilfrid G. (See Moore, J. W., and Polack.)
- Polak, Bohumil, Prague, Czechoslovakia. Device for opening containers such as boxes, tins, or the like. 1,762,076; June 3.
- Polak, Richard A., New York, N. Y. Snow-removing machine. 1,742,968; Jan. 7.
- Poland, Frank F., Baltimore, Md., assignor to American Smelting and Refining Company, New York, N. Y. Electrolytic cell. 1,745,688; Feb. 4.
- Polanyi, Michael, Berlin-Zehlendorf-Mitte, and S. von Bogdandy, Berlin-Dahlem, Germany. Producing bodies consisting of a plurality of thin alternately conducting and insulating layers. 1,784,611; Dec. 9.
- Polar Vend Corporation. (See Webber, George R., assignor.)
- Polatsik, William, Newark, N. J., assignor of 15 per cent to F. J. Bowers and 85 per cent to S. J. Lathrop. Treating waste liquids. 1,746,964; Feb. 11.
- Polcari, Basilio, Somerville, Mass. Sanitary doorknob. 1,783,097; Nov. 25.

- Pölcich, Guenther, Vienna, Austria. Primary cell. 1,771,190; July 22.
- Polgar, William, New York, N. Y. Demountable conveying device. 1,759,465; May 20.
- Poliakoff, Rouvime B., New York, and E. I. Landress, Brooklyn, N. Y. Lock device for dial telephones. 1,754,400; Apr. 15.
- Polis, Max. (See Eckstein, R., and Polis.)
- Polk, David P., and J. P. Remington, Philadelphia, Pa. Dispensing device. 1,764,642; June 17.
- Pollack, Isidore, Evanston, Ill. Velvet-holding device. 1,764,691; June 17.
- Pollaert, Ludovicus H., Roermond, Netherlands. Vehicle splash guard. 1,779,331; Oct. 21.
- Pollak, Abraham, Far Rockaway, N. Y. Weighing scale casing. Des. 81,846; Aug. 19.
- Pollak, Abraham, Far Rockaway, N. Y., and J. F. O'Brien, Englewood, N. J., assignors to Clark Lighter Co. Inc. Pocket lighter. 1,760,995; June 3.
- Pollak, Armin, Bronx, N. Y. Lock. 1,750,858; Mar. 18.
- Pollak, Fritz. (See Ripper, Kurt, assignor.)
- Pollak Manufacturing Company. (See Schlesinger, Carl, assignor.)
- Pollak, Solomon, San Francisco, Calif., assignor to Link-Belt Company, Chicago, Ill. Adjusting and clamping collar. 1,772,685; Aug. 12.
- Pollak Steel Company, The. (See Pague, Edward J., assignor.)
- Pollak, Victor F., San Francisco, Calif. Insurance-policy form. 1,757,094; May 6.
- Pollan, H. T. (See Bresler, Louis L., assignor.)
- Pollard, Eugene R., Miami, Ariz. Wedge-cutting machine. 1,784,028; Dec. 9.
- Pollard, Raymond M., Los Angeles, Calif. Surf board. 1,767,811; June 24.
- Pollard, Robert H., Chicago, Ill. Grave marker. 1,748,584; Feb. 25.
- Pollock, Earle E. (See Pollock, Martin C. and E. E.)
- Pollock, Martin C. and E. E., assignors of one-fourth to J. Weiss and one-fourth to R. S. Shannon, Denver, Colo. Electrical connection plug. 1,759,805; May 20.
- Pollock, Oscar, assignor of ten per cent to J. M. Maher, ten per cent to G. Beaty, ten per cent to S. Anderson, 10 per cent to F. H. Rehrehne, and ten per cent to R. E. Hammond, Fremont, Nebr. Road drag. 1,767,393; June 24.
- Pollock, Robert T., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,781,128; Nov. 11.
- Pollock, Robert T., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,783,259; Dec. 2.
- Polski, Roman F., St. Paul, Minn. Iron-holder attachment for ironing boards. 1,768,712; July 1.
- Polski, Roman F., St. Paul, Minn. Ironing board. 1,768,930; July 1.
- Polson, Alexander. (See Eckersley, James E., assignor.)
- Polster, John P., assignor to Illinois Stoker Company, Alton, Ill. Rotary pivoted hammer. 1,753,473; Apr. 8.
- Polster, John P., assignor to Illinois Stoker Company, Alton, Ill. Mill pulverizer. 1,753,474; Apr. 8.
- Polster, John P., assignor to Illinois Stoker Company, Alton, Ill. Rotary pivoted hammer. 1,753,475; Apr. 8.
- Polster, John P., assignor to Duncan Foundry and Machine Works, Inc., Alton, Ill. Portable conveyor loader. 1,763,440; June 10.
- Polydoroff, Wladimir J., assignor to Johnson Laboratories, Inc., Chicago, Ill. Acoustical horn. 1,767,812; June 24.
- Polysius, G., Aktiengesellschaft. (See Goebels, Paul, assignor.)
- Polysius, G. (See Goebels, Paul, assignor.)
- Polysius, G. (See Hasselbach, A., and Luther, assignors.)
- Polysius, Firm G. (See Hasselbach, Alexander, assignor.)
- Polzer, Fridolin, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple-driving machine. 1,757,812; May 6.
- Polzer, Fridolin, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Desk-stapling machine. 1,773,823; Aug. 26.
- Polzer, Fridolin, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Operating device for stapling machines, tag-affixing machines, and similar devices. 1,782,743; Nov. 25.
- Polzer, Fridolin, South Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Clinching means for stapling machines. 1,787,285; Dec. 30.
- Pombo, Daniel M., and O. B. Andrade, Buenos Aires, Argentina. Suspension of vehicles, particularly of motor cars and the like. 1,773,599; Aug. 19.
- Pomerantz, Joseph, Englewood, N. J. Rubber-heel-attaching plate for shoes. 1,778,089; Oct. 14.
- Pomerantz, Samuel L., Brooklyn, N. Y. Advertising powder-puff display stand. Des. 82,956; Dec. 30.
- Pomeroy, Percy W., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,761,231; June 3.
- Pomeroy, Roy J., assignor of one-half to Paramount Famous Lasky Corporation, Los Angeles, Calif. Sound producing and controlling system. 1,749,301; Mar. 4.
- Pomeroy, Roy J., assignor of one-half to Famous Players-Lasky Corporation, Los Angeles, Calif. Making composite photographs. 1,755,129; Apr. 15.
- Pomeroy, Roy J., assignor of one-half to Famous Players-Lasky Corporation, Los Angeles, Calif. Making composite photographs. 1,755,130; Apr. 15.
- Pomeroy, Roy J., Hollywood, assignor of one-half to Paramount Famous Lasky Corporation, Los Angeles, Calif. Speaker. 1,761,745; June 3.
- Pomeroy, Roy J., Los Angeles, assignor of one-half to Paramount Famous Lasky Corporation, Los Angeles, Calif. Correction of color transparencies. 1,776,269; Sept. 23.
- Pomeroy, William D., assignor to Goulds Pumps, Incorporated, Seneca Falls, N. Y. Apparatus for suppressing surges. 1,779,448; Oct. 28.
- Pomeroy, Timothy C., Rock Island, Ill. Hydraulic jack. 1,744,673; Jan. 21.
- Pomeroy, William D., assignor to Gould Pumps, Inc., Seneca Falls, N. Y. Car-washing apparatus. 1,760,849; May 27.
- Pommer, Ernesto J., Buenos Aires, Argentina. Universal fastener. 1,773,545; Aug. 19.
- Pommer, John A., assignor to H. P. Boos, Minneapolis, Minn. Tooth display. 1,771,271; July 22.
- Pomrenke, Louis, Trenton, Mich. Window ventilator. 1,770,945; July 22.
- Ponca Patent Development Company, The. (See Brown, James W., assignor.)
- Poncelet, Mathias, Pine Island Township, Goodhue County, Minn. Animal trap. 1,743,389; Jan. 14.
- Pondal, Luis, Buenos Aires, Argentina. Cooking stove. 1,772,961; Aug. 12.
- Pondelicek, Jerry J., assignor, by mesne assignments, to Acme Motion Picture Projector Company, Chicago, Ill. Cutting machine. 1,781,703; Nov. 18.
- Poniatowski, Joseph, Huntington Park, Calif. Parachute attachment for aeroplanes. 1,765,094; June 17.
- Pönisch, Max, Leipzig-Leutzsch, Germany. Machine for producing seamless bodies, sweetmeats, and others from plastic masses. 1,753,834; Apr. 8.
- Pönisch, Max, Leipzig-Leutzsch, Germany. Machine for kneading and turning upside down sugar mass. 1,757,384; May 6.
- Pons, Frank, and L. W. Wilson, Los Angeles, Calif.; said Wilson assignor, by mesne assignments, to said Pons. Ironing-board attachment. 1,770,890; July 15.
- Ponsonby, William H., and J. J. Lang, Wilkesburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Electropneumatic time-element relay. 1,769,910; July 1.
- Ponti, Arthur J., Los Angeles, Calif. Stress and strain compensating joint for rotary well-drilling columns. 1,785,559; Dec. 16.
- Ponting, Herbert G. (See Ford, George W., assignor.)
- Ponting, Theodore A., et al. (See Bishop, John, assignor.)
- Pontis, William G., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Counterbalancing device. 1,761,023; June 3.
- Ponton, Thomas R., Los Angeles, Calif. Floor-polishing device. 1,763,818; June 17.
- Pontoppidan, Carl, Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Grinding cement materials, etc. 1,762,241; June 10.
- Pontrello, John and P., Buffalo, N. Y. Internal-combustion engine. 1,761,843; June 3.
- Pontrello, Pasquale. (See Pontrello, John and P.)
- Pool, Chester A., Twin Falls, Idaho. Milk-bottle retriever. 1,761,894; June 3.
- Pool, William A. (See Allyn, L. L., and Pool.)
- Poole, Arthur F., Ithaca, N. Y., assignor to Poole Manufacturing Co., Inc. Clock and similar indicator. 1,756,437; Apr. 29.
- Poole, Arthur F., Pelham Manor, N. Y., assignor to Poole Manufacturing Company, Inc., Westport, Conn. Electric clock. 1,756,472; Apr. 29.
- Poole, Arthur F., Pelham Manor, assignor to Remington Accounting Machine Corporation, New York, N. Y. Computing machine. 1,758,172; May 13.
- Poole, Arthur F., Ithaca, N. Y., assignor to Poole Manufacturing Co., Inc. Electric clock and the like. 1,772,555; Aug. 12.
- Poole, Arthur F., Ithaca, N. Y., assignor to Poole Manufacturing Company, Inc. Electric clock and the like. 1,772,556; Aug. 12.
- Poole & Duff, Inc. (See Poole, Thomas S., assignor.)
- Poole Engineering and Machine Company. (See Morgan, Merton W., assignor.)
- Poole, Foster M., Tulsa, Okla., assignor to The Brown Instrument Company, Philadelphia, Pa. Pyrometer well. 1,743,867; Jan. 14.
- Poole, Gerald A., and S. G. Forney, Fort Worth, assignors to Gulf Production Company, Houston, Tex. Formation sampler. 1,753,066; Apr. 1.
- Poole, Joseph E., Pretoria, South Africa. Hinged cap. 1,743,046; Jan. 7.
- Poole Manufacturing Company. (See Poole, Arthur F., assignor.)
- Poole, Roscoe D., Danvers, Mass. Rough-rounding machine. 1,743,686; Jan. 14.
- Poole, Thomas S., Staten Island, N. Y., assignor to Poole & Duff, Inc., Newark, N. J. Coin-controlled device. 1,757,921; May 6.
- Pooley Company, The. (See Packer, Ezra J., assignor.)
- Pooley, William S. (See Grover, W. H., Pooley, and Merritt.)
- Poor, Elizabeth H., executrix. (See Poor, Frederic H.)
- Poor, Frederic H., deceased, Yonkers; E. H. Poor, executrix, assignor to Frederic H. Poor, Inc., New York, N. Y. Sling apparatus. 1,745,449; Feb. 4.

- Poor, Frederic H., Inc. (See Poor, Frederic H., assignor.)
 Poore, John C., Utica, N. Y. Dirigible eye structure for dolls and manikins. 1,760,318; May 27.
 Pope, Arthur W., jr., assignor to Waukesha Motor Company, Waukesha, Wis. Piston. 1,750,429; Mar. 11.
 Pope, Charles S., assignor to Central Valve Mfg. Co., Chicago, Ill. Self-grinding valve. 1,754,523; Apr. 15.
 Pope & Cottle Company. (See Marion, Gardner S., assignor.)
 Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching machine. 1,746,276; Feb. 11.
 Pope, Elmer R., South Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-supplying mechanism. 1,751,598; Mar. 25.
 Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening supplying apparatus. 1,760,438; May 27.
 Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Indicating system. 1,771,418; July 29.
 Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,785,843; Dec. 23.
 Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoemaking. 1,786,030; Dec. 23.
 Pope, Elmer R., executor. (See Pope, J. H., and Hadaday.)
 Pope, Glen L., and A. Cohen, Omaha, Nebr. Butcher's apron and fastener therefor. 1,743,729; Jan. 14.
 Pope, Harold L., Grand Rapids, assignor to Kelvinator Corporation, Detroit, Mich. Refrigerator lining. 1,764,643; June 17.
 Pope, Henry, Croydon Park, South Australia, Australia. Fastening device for pipes of irrigation systems. 1,761,409; June 3.
 Pope, Joseph H., deceased, by E. R. Pope, executor, Hamilton, and J. B. Hadaday, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Heeling machine. 1,776,294; Sept. 23.
 Pope, Lyman B., Haverhill, assignor to Pope Machinery Corporation, Haverhill, Mass. Heel-shank-shaping machine. 1,780,841; Nov. 4.
 Pope Machinery Corporation. (See Pope, Lyman B., assignor.)
 Pope, Paul M., assignor to A. Kimball Company, New York, N. Y. Printing chase. 1,753,173; Apr. 1.
 Pope, Rupert W., Huddersfield, and M. Wyler, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, London, England. Sulphide dyestuffs from azines and making. 1,778,335; Oct. 14.
 Pope, Thomas E., Sayre, Okla. Ironing board. 1,761,583; June 3.
 Popelsky, Herman, Brooklyn, N. Y. Automatic window-modeling device. 1,775,498; Sept. 9.
 Popescu, Marin, Bucharest, Rumania. Life preserver. 1,750,282; Mar. 11.
 Poplawski, Stephen J., assignor to Arnold Electric Company, Racine, Wis. Drink mixer. 1,765,095; June 17.
 Popovich, Paul, Montreal, Quebec, Canada. Shoe-shining device. 1,771,313; July 22.
 Popp, Karl, Planitz, Germany. Hot-air mat. 1,777,982; Oct. 7.
 Popp, Leonard A., Saugus, assignor to Lynn Products Co., Lynn, Mass. Oil valve. 1,747,598; Feb. 18.
 Popp, Richard, Paris, France. Device for setting to zero for taximeters. 1,748,189; Feb. 25.
 Popp, Rudolf, Valparaiso, Ind., assignor to McGill Manufacturing Company. Shade stem for clusters. 1,772,910; Aug. 12.
 Poppe, Alfred, Rochester, N. Y. Ball caster. 1,768,785; July 1.
 Poppelman, Carl, Racine, Wis. Grinder. 1,786,262; Dec. 23.
 Popper, Joseph, New York, N. Y. Dishwasher. 1,772,466; Aug. 12.
 Popper, Max, Brooklyn, N. Y. Ventilating strip for hats. 1,748,792; Feb. 25.
 Popper, Otto, Vienna, Austria. Dock ship for conveying river boats across the sea. 1,783,450; Dec. 2.
 Popper, William C., and Company. (See Proskauer, Julien J., assignor.)
 Poranski, Walter, Chicago, Ill., assignor to Norida Parfumerie, Inc., Long Island City, N. Y. Compact. 1,748,727; Feb. 25.
 Porcelain Enamel & Manufacturing Co., The. (See Stevenson, Lawrence J., assignor.)
 Porcelain Enamel and Manufacturing Company of Baltimore, The. (See Türk, Karl, assignor.)
 Porcelain Products, Inc. (See Eatherton, Harry A., assignor.)
 Porcelain Tile Company. (See Haines, George D., assignor.)
 Porcelain Tile Company. (See Webster, William G., assignor.)
 Porcelier Manufacturing Company. (See Dym, Jacob, assignor.)
 Porché, Julien H., Paris, assignor to Societe des Meubles Superposables, Societe à Responsabilité Limitée, Gennevilliers, Seine, France. Pieces of furniture capable of being superposed. 1,753,623; Apr. 8.
 Porges, Gustave, assignor to Strohmeier & Arpe Company, New York, N. Y. Pouring can. 1,743,283; Jan. 14.
 Pormann, Robert, Union City, N. J. Attachment for looms. 1,782,099; Nov. 18.
 Poroma, John A., New York, N. Y. Acoustic tympanum. 1,775,294; Sept. 9.
 Porsche, Ferdinand, Stuttgart-Unterturkheim, assignor, by mesne assignments, to Daimler-Benz Aktiengesellschaft, Berlin, Germany. Dynamo-electric driving set for vehicles. 1,758,533; May 13.
 Porstner, Anton, and P. Rossman, Chicago, Ill. Interchangeable sign. 1,770,803; July 15.
 Port, Sidney D., Saxton, Pa. Connecting link for chains. 1,754,042; Apr. 8.
 Port, Sidney D., Saxton, Pa. Connecting link for chains. 1,754,043; Apr. 8.
 Portable Adding Machine Company. (See Barrett, Glenn J., assignor.)
 Portable Machinery Company. (See Wentz, Jere L., assignor.)
 Portal, Fernand C. F., assignor to Société Anonyme le Carbone, Gennevilliers, France. Carburation device. 1,752,506; Apr. 1.
 Porte, René, assignor to Societe Anonyme pour Tous Appareillages Mécaniques, Levallois Perret, France. Liquid-measuring-pump. 1,745,229; Jan. 28.
 Porte, René, assignor to Société Hardoll (Etablissements Hariveau & Dolimier et René Porte & Cie. Réunis), Levallois-Perret, France. Liquid distributor. 1,746,165; Feb. 4.
 Porte, René, assignor to Societe Anonyme Pour Tous Appareillages Mécaniques, Levallois-Perret, France. Liquid-measuring device. 1,769,274; July 1.
 Porter, Antoinette L., San Francisco, Calif. Dial telephone device. 1,765,445; June 24.
 Porter, Clio T. (See Robinette, Samuel B., assignor.)
 Porter, Edward Y., Riverside, Calif. Insulator. pin. 1,744,674; Jan. 21.
 Porter, Finley R., Port Jefferson, N. Y., assignor to J. Dale, Trustee. Automatic speed-change mechanism. 1,769,466; May 20.
 Porter, Frank, assignor, by mesne assignments, to Continental Oil Company, Ponca City, Okla. Manufacturing benzol and valuable by-products from butane, propane, or ethane, or mixtures thereof. 1,777,894; Oct. 7.
 Porter, Fred L. (See Barney, Frank A., assignor.)
 Porter, George C. (See Stoller, H. M., and Porter.)
 Porter, George L., Steubenville, Ohio. Paper container for frozen confections. 1,754,524; Apr. 15.
 Porter, George M., New York, N. Y. Magazine for printers' type. 1,783,811; Dec. 2.
 Porter, Harper R., Niles, assignor to The Columbus Machine Company, Columbus, Ohio. Valve. 1,742,319; Jan. 7.
 Porter, Harper R., Niles, assignor to The Columbus Machine Company, Columbus, Ohio. Angle or cross valve. 1,745,189; Jan. 28.
 Porter, Harper R., Niles, assignor to The Columbus Machine Company, Columbus, Ohio. Check valve. 1,772,086; Aug. 5.
 Porter, Hollis P., assignor to Gypsy Oil Company, Tulsa, Okla. Apparatus for and method of flowing wells. 1,761,363; June 3.
 Porter, Howard C., La Grange Park, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company. Tag fastener. 1,777,532; Oct. 7.
 Porter, Jacob N., Newell, W. Va., assignor to The Globe Brick Company, East Liverpool, Ohio. Machine for making paving brick. 1,773,857; Aug. 26.
 Porter, Jacob N., assignor to The Globe Brick Company, East Liverpool, Ohio. Vertical fiber grooved-lug paving brick. 1,785,976; Dec. 23.
 Porter, John L., et al. (See Steiner, Martin, assignor.)
 Porter, Joseph S., Portland, assignor to D. & H. Scovil Incorporated, Higganum, Conn. Apparatus for applying abrasive to polishing wheels. 1,775,110; Sept. 9.
 Porter, Louis N., and B. F. C. Morris, El Reno, Okla. Incubator. 1,761,364; June 3.
 Porter, Louis S., Brooklyn, N. Y. Clothes hanger. 1,743,234; Jan. 14.
 Porter, Madison R., New York, N. Y. Grate for stoves and the like. 1,756,384; Apr. 29.
 Porter, Vernon C., assignor to Charles M. Higgins & Co., New York, N. Y. Bottle holder. 1,772,265; Aug. 5.
 Porter, William C., Bogalusa, La. Paper weight. 1,784,707; Dec. 9.
 Porter, William E., Los Angeles, Calif. Glass-polishing machine. 1,758,534; May 13.
 Porter, William J., Spokane, Wash. Automobile disposal and withdrawal structure. 1,757,331; May 6.
 Porter, William J., Spokane, Wash. Automobile disposal and withdrawal structure. 1,781,955; Nov. 18.
 Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Installing nonbreakable crystals in watch bezels. 1,746,965; Feb. 11.
 Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Clock. 1,752,651; Apr. 1.
 Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Clock. 1,752,652; Apr. 1.
 Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Electric clock. 1,755,560; Apr. 22.
 Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Contact mechanism for electric clocks. 1,760,661; May 27.
 Portevin, Albert, assignor to Société d'Expansion Technique, Paris, France. Apparatus for the manufacture of hollow bodies. 1,767,394; June 24.

- Porth, William F., Detroit, Mich. Cushioned valve tappet. 1,751,716; Mar. 25.
- Portis, James A., Jr., Baytown, Tex. Internal-combustion motor. 1,764,477; June 17.
- Portland Realty and Trust Co. (See Locke, William S., assignor.)
- Ports, Louise R., Troutdale, Oreg. Moving display sign. 1,756,523; Apr. 29.
- Porz, George V. (See Porz, Norman P., assignor.)
- Porz, Norman P., assignor of one-half to G. V. Porz, Cleveland, Ohio. Removing bottle caps. 1,787,018; Dec. 30.
- Posey, Alfred W., Long Beach, assignor of one-half to J. M. Queen, Los Angeles, Calif. Safety device for rotary cathodes. 1,764,887; June 17.
- Posey, James, Baltimore, Md., assignor to The Two-Season Process, Inc., Norfolk, Va. Combined heating and cooling apparatus. 1,747,134; Feb. 11.
- Posey, John B. (See Chappory, A. C., Jr., and Posey.)
- Posey, John B. (See Crossmore, E. Y., Chappory, and Posey.)
- Posey, L. L., et al. (See Barr, Harry D., assignor.)
- Positive Lock Washer Company, The. (See Norwood, Harry G., assignor.)
- Posnick, George, Brooklyn, N. Y. Self-service apparatus. 1,770,042; July 8.
- Pospiech, Friedrich, assignor to Chemische Fabrik Pott & Co., Dresden, Germany. Accelerating and improving tanning processes. 1,763,368; June 10.
- Pospiech, Friedrich, assignor to Chemische Fabrik Pott & Co., Dresden, Germany. Condensation product of aromatic sulphonic acids. 1,787,408; Dec. 30.
- Pospisil, Charles W., Fullerton, Calif. Portable hand slicer and cutter. 1,746,404; Feb. 11.
- Pospisil, Rudolph E., assignor of one-third to E. Kurek, Chippewa Falls, Wis. Sugar process. 1,772,911; Aug. 12.
- Poss, Thomas, Astoria, N. Y. Multiunit mattress. 1,772,225; Aug. 5.
- Post, Berr E. (See McKinney, Wendell R., assignor.)
- Post, Claude L., Chicago, Ill. Printing apparatus. 1,758,535; May 13.
- Post, Claude L., Chicago, Ill. Printing mechanism. 1,758,536; May 13.
- Postal Telegraph-Cable Company. (See Connery, Alder F., assignor.)
- Postal Telegraph-Cable Company. (See Connery, A. F., and Hallden, assignors.)
- Postel, John W., Palisade, N. J. Brake mechanism for motor vehicles. 1,784,387; Dec. 9.
- Poster, William. (See Nias, H., and Poster.)
- Posternak, Swigel and T., Chene-Bougeries, near Geneva, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Phosphorus compound from animal proteids and manufacture thereof. 1,743,003; Jan. 7.
- Posternak, Swigel and T., Chene-Bougeries, near Geneva, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Iron compound from animal proteids and manufacture thereof. 1,743,004; Jan. 7.
- Posternak, Théodore. (See Posternak, Swigel and T.)
- Postindex Company. (See Attwood, Charles E., assignor.)
- Postlethwaite, Joseph P. (See Michell, A. G. M., Postlethwaite, and Smith.)
- Poston, Emmett V., Springfield, Ill. Steam and clay mixing nozzle. 1,770,011; July 8.
- Postum Company. (See Borg, Henry L., assignor.)
- Potaufoux, Emile, Cormicy, France. Portable conveyer. 1,757,216; May 6.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag machine. 1,762,350; June 10.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Shopping bag. 1,765,539; June 24.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Bag-making machine. 1,775,829; Sept. 16.
- Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Garment bag. 1,783,979; Dec. 9.
- Potdevin Machine Company. (See Potdevin, Adolph, assignor.)
- Poteet, Agnes J., Dallas, Tex. Dishwasher. 1,777,152; Sept. 30.
- Poto, William L. (See Keller, W. D., and Poto.)
- Potomac Glass Company, The. (See Beam, Charles C., assignor.)
- Pott, Rainer H., Dresden, assignor to Chemische Fabrik Pott & Co., Dresden-N., Germany. Treating crude fibers and textile fabrics. 1,750,430; Mar. 11.
- Potter, Albert T., assignor, by mesne assignments, to Ainsworth Manufacturing Corporation, Detroit, Mich. Windshield-operating device. 1,757,474; May 6.
- Potter, Albert T., assignor to Ainsworth Manufacturing Company, Detroit, Mich. Windshield construction. 1,777,326; Oct. 7.
- Potter, Alden A., Montgomery County, Md. Casement. 1,768,143; June 24.
- Potter, Earl F., Glencoe, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiving circuit. 1,746,443; Feb. 11.
- Potter, Fred B., Los Angeles, Calif. Bending device for pipes and bars. 1,761,798; June 3.
- Potter, Frederick D., Linden, N. J., assignor to Combustion Control Company, Inc., New York, N. Y. Multiple automatic temperature-recording apparatus. 1,779,619; Oct. 28.
- Potter, Henry N., Encinitas, Calif. Rotary sprinkler. 1,784,314; Dec. 9.
- Potter, John A., Roselle, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Heat exchanger. 1,768,786; July 1.
- Potter, John C. (See Idonas, A., and Potter.)
- Potter, John E., Pittsfield, Mass., assignor to General Electric Company. Electric-discharge device. 1,756,878; Apr. 29.
- Potter & Johnston Machine Company. (See Curtis, Myron S., assignor.)
- Potter Manufacturing Company. (See LaDuke, Louis M., assignor.)
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,750,688; Mar. 18.
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. High-frequency communication system. 1,758,058; May 13.
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Photo-electric cell. 1,759,915; May 27.
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Electrooptical transmission. 1,772,519; Aug. 12.
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Single-side-band system. 1,773,116; Aug. 19.
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Electrooptical image-producing system. 1,777,016; Sept. 30.
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Photo-electric cell. 1,777,378; Oct. 7.
- Potter, Robert S., Greenwich, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Door closer. 1,763,323; June 10.
- Potter, Robert S., Greenwich, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Door holder. 1,763,324; June 10.
- Potter, Rossiter R. (See Russell, S. G., Buchanan, and Potter.)
- Potter, Rossiter R. (See Russell, S. G., and Potter.)
- Potter, Russell R., New York, N. Y., assignor to Durable Brush Co., Inc. Handle attachment. 1,754,767; Apr. 15.
- Potter, Thomas I., Portland, Oreg. Compressor. 1,778,962; Oct. 21.
- Potter, Thomas I., Portland, Oreg. Structural toy. 1,779,826; Oct. 28.
- Potter, Thomas I., Portland, Oreg. Multiple refrigerator system. 1,786,222; Dec. 23.
- Potter, William, New York, N. Y. Scraper. 1,777,677; Oct. 7.
- Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Sound-producing device. 1,754,044; Apr. 8.
- Potterf, Albert A., Kansas City, Mo. Window-sash fastener. 1,764,118; June 17.
- Potthoff, Kurt T., Brooklyn, N. Y., assignor to U. S. Galvanizing & Plating Equipment Corporation. Apparatus for treating material. 1,757,735; May 6.
- Potts, Ollie W., Newport, Ky. Screw driver. 1,776,928; Sept. 30.
- Potts, Oscar L., Hendersonville, assignor of one-half to A. J. Anderson, Nashville, Tenn. Fare register. 1,762,029; June 3.
- Potts, William, Newcastle-on-Tyne, England. Propelling air and water craft. 1,777,652; Oct. 7.
- Potvin, Ernest N., San Pedro, Calif. Hair drier. 1,786,223; Dec. 23.
- Potvie, Frigyes, Philadelphia, Pa. Plastering machine. 1,783,098; Nov. 25.
- Poujaud, Leon A., Atlanta, Ga. Asphalt roller. 1,749,647; Mar. 4.
- Poulin, Henry, et al. (See Farley, Trefle, assignor.)
- Poulos, Stivin, Boston, Mass. Mop. 1,762,454; June 10.
- Poulsen, Arnold, and A. C. G. Petersen, Copenhagen, Denmark. Sound reproduction. 1,747,261; Feb. 18.
- Poulsen, Messrs. Louis, & Company. (See Henningsen, Poul, assignor.)
- Pounds, Hoyle, and A. H. Corbett, Winter Garden, Fla. Tractor-trailer sprayer. 1,747,793; Feb. 18.
- Pouplier, Carl C., Hagen, Germany. Leaf spring. 1,745,450; Feb. 4.
- Powdrell & Alexander, Inc. (See Perkins, George H., assignor.)
- Powell, Alfred W. (See Ackroyd, H., and Powell.)
- Powell, Charles, Los Angeles, Calif. Gripping device. 1,759,275; May 20.
- Powell, Charles S., Macon, Mo. Fore end for shotguns. 1,768,372; June 24.
- Powell, Clarence E., Munhall Borough, assignor to Homestead Valve Manufacturing Company, Homestead, Pa. Hydraulic valve. 1,777,128; Sept. 30.
- Powell, Donald V., Chicago, Ill. Spark plug. 1,776,449; Sept. 23.
- Powell, Edwin T. (See Powell, John T. and E. T.)
- Powell, Frank D., assignor to Acme Card System Company, Chicago, Ill. Frame and index tab therefor. 1,766,939; June 24.

- Powell, Frank D., assignor to Acme Card System Company, Chicago, Ill. Stand for visible indexes. 1,766,940; June 24.
- Powell, Henry K. (See McClelland, R., Powell, and Leopold.)
- Powell, Henry K., assignor to Morris Paper Mills Company, Chicago, Ill. Display box. 1,761,232; June 3.
- Powell, Herbert S. (See Roberts, Charles F., assignor.)
- Powell, Herbert S., Utica, N. Y. Machine for making chaplets. 1,766,145; June 24.
- Powell, Herbert S., Utica, N. Y. Resilient coupling. 1,772,495; Aug. 12.
- Powell, Herbert S., Utica, N. Y. Cushion joint for the springs of automobiles. 1,772,730; Aug. 12.
- Powell, Herbert S., Utica, N. Y. Muffler-cup-assembling machine. 1,774,761; Sept. 2.
- Powell, Herbert S., Utica, N. Y. Device for holding mufflers. 1,776,394; Sept. 23.
- Powell, James A., Intervilla, Pa., assignor to Foster Wheeler Corporation, New York, N. Y. Steam-power plant. 1,769,457; July 1.
- Powell, James R., Los Angeles, Calif. Aircraft propeller. 1,771,654; July 29.
- Powell, John, Salop, England. Water tap. 1,782,315; Nov. 18.
- Powell, John, Kokomo, Ind. Corn-harvesting machine. 1,785,647; Dec. 16.
- Powell, John T. and E. T., Washington, D. C. Direction signal for traffic officers. 1,777,379; Oct. 7.
- Powell, Joseph M., Brooklyn, Ind. Shale planer. 1,753,804; Apr. 8.
- Powell, Lawrence A., Fort Myers, Fla. Top-locking means for caskets, shipping cases, and the like. 1,754,045; Apr. 8.
- Powell, Max, Chicago, Ill., assignor to Ogle Construction Company. Safety cut-off for coal chutes. 1,756,569; Apr. 29.
- Powell, Raymond E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Resistance welding electrode. Re17,604; Feb. 25.
- Powell, Richard L., assignor of one-fourth to C. L. Myerly and one-fourth to C. D. Oliver, Lewistown, Pa. Cutting machine. 1,744,795; Jan. 28.
- Powell, Thomas. (See Love, James, jr., assignor.)
- Powell, Thomas C., Chicago, Ill. Electric-current-outlet member. 1,754,646; Apr. 15.
- Powell, William G., Altoona, Pa. Brake-hanger bracket. 1,749,157; Mar. 4.
- Powell, William G., Altoona, Pa. Car roof. 1,761,047; June 3.
- Powell, William G., Altoona, Pa. Die for making journal-box wedges. 1,770,323; July 8.
- Powell, Wilton, Prescott, Ariz. Merry-go-round. 1,761,895; June 3.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Interoffice trunking system. Re17,839; Oct. 21.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Frequency changer. 1,758,971; May 20.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Remote-control telephone system. 1,766,402; June 24.
- Power Control Corp. (See Moore, Edward T., assignor.)
- Power Door Corporation. (See Riton, Oscar A., assignor.)
- Power, Frank, Horton, Kans. Attachment for automobile radiators. 1,781,525; Nov. 11.
- Power, Henry L., Brandon, Manitoba, Canada. Unloading device. 1,767,013; June 24.
- Power, Lewis R., Lawton, Mich. Lathe center. 1,782,272; Nov. 18.
- Power Regulator Company. (See Powers, Fred W., assignor.)
- Power, Richard F., London, assignor to Morland & Impey Limited, Birmingham, England. Indicator or protector for visible indexes or the like. 1,768,292; June 24.
- Power, Richard F., Hampstead, London, assignor to Morland & Impey Limited, Birmingham, England. Transfer-binding case and release stand therefor. 1,784,315; Dec. 9.
- Power, Richard F., London, and A. Thomas, Thornton Heath, assignors to The Accounting & Tabulating Corporation of Great Britain, Limited, London, England. Machine for checking or verifying mechanical records. 1,744,796; Jan. 28.
- Power Specialty Company. (See Bell, John E., assignor.)
- Power Specialty Company. (See Primrose, John, assignor.)
- Powers, Donald H., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of rubber. 1,763,325; June 10.
- Powers, Donald H., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanizing rubber and accelerator therefor. 1,780,149; Oct. 28.
- Powers, Edwin H., Saginaw, Mich. Piston and making the same. 1,746,739; Feb. 11.
- Powers, Ernest L. (See Krenke, Otto A., assignor.)
- Powers, Frank T., Douglaston, N. Y. Hinged-plate-carrier etching machine. 1,775,655; Sept. 16.
- Powers, Fred W., assignor to Powers Regulator Company, Chicago, Ill. Thermostatic regulator. 1,763,180; June 10.
- Powers, James, deceased, Sierra Madre, Calif., S. Powers, executrix. Selecting machine. 1,782,442; Nov. 25.
- Powers, John E., assignor of one-half to H. A. Nelson, Lyons, Nebr. Headlight for automobiles. 1,777,625; Oct. 7.
- Powers, John H., Kansas City, Kans., M. A. Powers, owner by decree of court. Building slab. 1,787,166; Dec. 30.
- Powers, John M., Valley Falls, N. Y. Rail chair. 1,754,725; Apr. 15.
- Powers, John N., Syracuse, N. Y. Flexible coupling. 1,770,550; July 15.
- Powers, Joseph. (See Fredericks, Arthur R., assignor.)
- Powers, Mary A., owner by decree of court. (See Powers John H.)
- Powers, Milton A., New York, N. Y., assignor, by mesne assignments, to The Timken-Detroit Company, Detroit, Mich. Burner for producing heat from liquid fuel. 1,782,049; Nov. 18.
- Powers, Milton A., New York, N. Y., assignor, by mesne assignments, to The Timken-Detroit Company, Detroit, Mich. Liquid fuel heating. 1,782,050; Nov. 18.
- Powers Regulator Company. (See Hemings, Albin J., assignor.)
- Powers Regulator Company. (See Snediker, Morton O., assignor.)
- Powers, Sophie, executrix. (See Powers, James.)
- Powers, Timothy B., Brooklyn, N. Y. Chair. 1,772,581; Aug. 12.
- Powlesson, William H., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass-surfacing table. 1,761,746; June 3.
- Powling, William T., London, England, assignor to J. W. Pittcock, Philadelphia, Pa. Apparatus for recovery of fats, oils, or oleaginous substances from materials yielding them. 1,785,361; Dec. 16.
- Poynder, Herbert B., Newcastle-upon-Tyne, assignor to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Thermo-electrically-operated device for the protection of rotary dynamo-electric machines. 1,752,609; Apr. 1.
- Poynter, Willis H., Brawley, assignor to A. Arena and Company, Los Angeles, Calif. Box-liner tucking attachment for lidding machines. 1,747,599; Feb. 18.
- Praberty, Sydney, Montreal, Quebec, Canada. Combined advertising device and signal support. Des. 81,549; July 8.
- Prachar, John, assignor, by mesne assignments, to Central National Bank of Cleveland, trustee, Cleveland, Ohio. Ironing machine. 1,753,939; Apr. 8.
- Prachar, John, assignor, by mesne assignments, to Central National Bank of Cleveland, trustee, Cleveland, Ohio. Ironing machine. 1,753,964; Apr. 8.
- Prache, Charles, Paris, France. Apparatus for mixing gaseous fluids. 1,761,799; June 3.
- Praetorius, Paul, Darmstadt, Germany. Starting and reversing device for internal-combustion engines. 1,742,276; Jan. 7.
- Prager Co. (See Prager, James G., assignor.)
- Prager Co. Inc. (See Martinek, Alexander, assignor.)
- Prager, James G., Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 82,902; Dec. 23.
- Prager, James G., Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 82,903; Dec. 23.
- Prahl, Frederick A., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Making containers. 1,777,983; Oct. 7.
- Prahl, Frederick A., New York, N. Y., and H. A. Fink, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Machine for coating can ends. 1,768,144; June 24.
- Prairie Pipe Line Company, The. (See Buckman, Worthly C., assignor.)
- Prairie Window Ventilator Corporation. (See Schueler, Frederick, assignor.)
- Prall, Bert R., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Tire casing. Des. 82,390; Oct. 28.
- France, Albert J., assignor to Murchey Machine and Tool Company, Detroit, Mich. Thread-cutting die. 1,777,380; Oct. 7.
- Prange, Maurice N., assignor to J. B. Kincaid, Detroit, Mich. Measuring device. 1,752,964; Apr. 1.
- Prantl, Franz, Wettingen, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Electric railway drive. 1,748,078; Feb. 25.
- Prantl, Franz, Wettingen, near Baden, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Control of single-phase motors. 1,763,537; June 10.
- Prantl, Franz, Wettingen; W. Luthi, Ennetbaden; and E. Schroeder, assignors to A. G. Brown Boveri & Cie., Baden, Switzerland. Regenerative braking system for single-phase electric-railway locomotives. 1,766,533; June 24.
- Prantner, Karl, Berlin, Germany, assignor to Riley Stoker Corporation, Worcester, Mass. Water-cooled wall. 1,787,019; Dec. 30.
- Prarat, Alfred E., Gridley, Calif. Chicken nest. 1,786,126; Dec. 23.
- Prashker, Jehuda. (See Aftergut, M., and Prashker.)
- Prasivka, Joseph, Berwyn, Ill. Auxiliary water-catching pipe for water drainpipes. 1,773,640; Aug. 19.
- Prassas, John K., Chicago, Ill. Convertible chair. 1,751,599; Mar. 25.
- Prassas, John K., Chicago, Ill. Convertible chair. 1,751,600; Mar. 25.

- Prat, Emile, Paris, France, assignor to Prat-Daniel Corporation, New York, N. Y. Furnace. 1,766,534; June 24.
- Prat-Daniel Corporation. (See Prat, Emile, assignor.)
- Prat-Daniel Corporation. (See Whiton, L. C., Jr., and Hardigg, assignor.)
- Prater, Ralph, Chicago, Ill. Grinder. 1,768,713; July 1.
- Pratt, Carl D., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Blasting-explosive assembly. 1,785,529; Dec. 16.
- Pratt, Clifton J., St. Louis, Mo. Manufacture of high-compression automotive distillate. 1,752,264; Mar. 25.
- Pratt, Dora C., administratrix. (See Pratt, Harold C.)
- Pratt, Edward J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic device. 1,743,478; Jan. 14.
- Pratt, Edward J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 1,778,401; Oct. 14.
- Pratt, Edwin D., Port Chester, N. Y. Hat and clothes hanging device. 1,774,524; Sept. 2.
- Pratt, Ernest R. I., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,779,558; Oct. 28.
- Pratt & Florea, Inc. (See Pratt, Lewellyn E., assignor.)
- Pratt, Frederick J., Ferndale, Mich. Dial indicator. 1,768,931; July 1.
- Pratt, Harold C., Swampscott, Mass., deceased; D. C. Pratt, administratrix. Aircraft. 1,777,992; Oct. 7.
- Pratt, Harold G., Cleveland Heights, Ohio, assignor to Detroit Steel Products Company, Detroit, Mich. Structural element for buildings. 1,778,337; Oct. 14.
- Pratt, Harry K., Long Beach, N. Y. Liquid-dispensing device. 1,760,914; June 3.
- Pratt, Hartley B., Westminster, London, assignor to Vickers-Armstrongs Limited, London, England. Laying of moored mines from submarines. 1,777,416; Oct. 7.
- Pratt & Letchworth Company. (See Holness, Wallace, assignor.)
- Pratt & Letchworth Company. (See Phelps, Arthur S., assignor.)
- Pratt, Lewellyn E., Nutley, N. J., assignor to Pratt & Florea, Inc., New York, N. Y. Display and dispensing device. 1,764,468; June 17.
- Pratt Read Player Action Company. (See Fisher, Stanley L., assignor.)
- Pratt, Seely F., assignor to Union Tool Chest Company, Inc., Rochester, N. Y. Tray. 1,757,475; May 6.
- Pratt, Seely F., assignor, by mesne assignments, to Union Chest and Cabinet Corporation, Rochester, N. Y. Receptacle provided with trays. 1,782,630; Nov. 25.
- Pratt & Whitney Aircraft Co., The. (See Mead, George J., assignor.)
- Pratt & Whitney Company. (See Durkee, Henry E., assignor.)
- Pratt & Whitney Company. (See Harten, John J., assignor.)
- Pratt & Whitney Company. (See Hoagland, Frank O., assignor.)
- Pratt & Whitney Company. (See Law, William, assignor.)
- Pratt, William, assignor to The New Departure Manufacturing Company, Bristol, Conn. Abrading machine. 1,772,365; Aug. 5.
- Pratt, William B., Wellesley, Mass., assignor, by mesne assignments, to Dispersions Process, Inc., Dover, Del. Aqueous rubber emulsion and producing the same. 1,755,890; Apr. 22.
- Pratt, William B., Wellesley, Mass., assignor, by mesne assignments, to Dispersions Process, Inc., Dover, Del. Dispersing coagulated bodies. 1,755,891; Apr. 22.
- Pratt, William B., Wellesley, Mass., assignor, by mesne assignments, to Dispersions Process, Inc., Dover, Del. Production of aqueous rubber dispersions. 1,755,892; Apr. 22.
- Pratt, William B., Wellesley, Mass., assignor, by mesne assignments, to Dispersions Process, Inc., Dover, Del. Composition of matter. 1,762,194; June 10.
- Pratt, William B., Wellesley, Mass., assignor, by mesne assignments, to Dispersions Process, Inc., Dover, Del. Aqueous emulsion of rubber, balata, or gutta-percha, and producing the same. 1,775,569; Sept. 9.
- Pratt, William B., Wellesley, Mass., assignor by mesne assignments, to Dispersions Process, Inc., Dover, Del. Treating rubber and product produced thereby. 1,780,657; Nov. 4.
- Pratte, Charles A., Denver, Colo. Vacuum sander. 1,776,688; Sept. 23.
- Pravada, Frank. (See Bustin, L., and Pravda.)
- Prawat, Stanley, and W. J. Kreczmer, South Bend, Ind. Emergency valve for railway air brakes. 1,748,793; Feb. 25.
- Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,765,446; June 24.
- Prazmo, Kazimier, New York, N. Y. Automobile exhaust-gas purifier. 1,747,882; Feb. 18.
- Preator, Frederick, and D. R. Seely, assignors to The Utah Radio Products Company, Salt Lake City, Utah. Assembling vibratory systems. 1,757,385; May 6.
- Preator, Frederick, and D. R. Seely, assignors to The Utah Radio Products Company, Salt Lake City, Utah. Dynamic loud-speaker. 1,757,386; May 6.
- Prebensen, George, Chicago, Ill. Combination trouser creaser and shaper. 1,755,893; Apr. 22.
- Preble, Normal H., assignor to The Cecil R. Lambert Company, Detroit, Mich. Control mechanism for conveyers. 1,786,085; Dec. 23.
- Precision Machine Co., The. (See Dina, Augusto, assignor.)
- Precision Metal Workers. (See Grunwald, Albert C., assignor.)
- Precision Scientific Company. (See Berg, Alexander M., assignor.)
- Preece, Archie R., assignor of one-half to W. H. Banerschlay, San Marcos, Tex. Flywheel and self-oiling wrist pin. 1,756,661; Apr. 29.
- Preedit, Anton, assignor to Armor Electric Manufacturing Company, Erie, P. Electric machine. 1,762,455; June 10.
- Preferred Oil Burners, Inc. (See Aldrich, Loyd L., assignor.)
- Preferred Utilities Manufacturing Corporation. (See Lake, Harry E., assignor.)
- Prefontaine, Harry F., Brooklyn, N. Y. Camera attachment. 1,769,458; July 1.
- Preis, Carl G., Lynbrook, N. Y. Concrete anchor. 1,761,800; June 3.
- Preist, Thomas P. (See Ostline, J. E., Rayner, and Preist.)
- Preist, Thomas P., Cheshire, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Testing device for impulse senders. 1,784,612; Dec. 9.
- Prelesnik, Anton, Eveleth, Minn. Gripping device. 1,760,885; June 3.
- Premier Cushion Spring Company. (See Forbes, Ferry M., assignor.)
- Premier Electric Company. (See Snell, James C., assignor.)
- Premier Laboratory Company. (See Hutchison, Miller R., assignor.)
- Premo, Albert F., Springfield, Mass. Sink or similar article. Des. 81,399; June 17.
- Prendergast, Alois P., Dallas, Tex. Spring rigging for locomotives and other vehicles. 1,770,860; July 15.
- Prentice, G. E., Manufacturing Company. (See Legat, Robert C., assignor.)
- Prentice, G. E., Manufacturing Company. (See Prentice, George E., assignor.)
- Prentice, George E., Berlin, Conn. Process of and blank for use in making sliders for separable fasteners. 1,752,928; Apr. 1.
- Prentice, George E., Berlin, assignors to G. E. Prentice Manufacturing Company, New Britain, Conn. Slider for fasteners. 1,778,338; Oct. 14.
- Prentice, Hugh, Pittsburgh, Pa. Method of and apparatus for filtering viscous material. 1,769,388; July 1.
- Prentice, Rudolph B., Portland, Oreg. Saw. 1,771,722; July 29.
- Prentiss, J. O., et al. (See Taylor, Hamblen A., assignor.)
- Prentiss Wabers Products Co. (See Yeager, Anton J., assignor.)
- Presbrey, Otis F., Brooklyn, N. Y. Power-transmission mechanism. 1,769,234; July 1.
- Prescott, A. B., et al. (See MacDonald, Joel W., assignor.)
- Prescott, Charles W., Mill Hill, England, assignor to General Railway Signal Company, Rochester, N. Y. Railway-car classification system. 1,744,011; Jan. 14.
- Prescott, Charles W., assignor to General Railway Signal Company, Rochester, N. Y. Light signal. 1,766,535; June 24.
- Prescott, Charles W., Mill Hill, England, assignor to General Railway Signal Company, Rochester, N. Y. Switch-indicating means. 1,766,536; June 24.
- Prescott, Charles W., Mill Hill, England, assignor to General Railway Signal Company, Rochester, N. Y. Car retarder for classification yards. 1,766,537; June 24.
- Prescott, Charles W., Mill Hill, England, assignor to General Railway Signal Company, Rochester, N. Y. Facilitating operation of railway cars in classification yards. 1,766,538; June 24.
- Prescott, Charles W., Mill Hill, England, assignor to General Railway Signal Company, Rochester, N. Y. Car-retarder system for railroads. 1,766,539; June 24.
- Prescott, Charles W., assignor to General Railway Signal Company, Rochester, N. Y. Railway-car-classification system. 1,769,713; July 1.
- Prescott Company, The. (See Grueter, William B., assignor.)
- Prescott Company, The. (See Langill, R. E., and Grueter, assignors.)
- Prescott, Frank H., assignor to General Motors Corporation, Anderson, Ind. Prime-mover dynamo plant. 1,742,874; Jan. 7.
- Prescott, Frank H., assignor to Delco-Remy Corporation, Anderson, Ind. Engine-starting apparatus. 1,750,283; Mar. 11.
- Prescott, Frank H., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,753,624; Apr. 8.
- Prescott Iron Works. (See Goodspeed, Jack L., assignor.)
- Prescott Iron Works. (See Prescott, Sumner K., assignor.)
- Prescott, John H., Columbus, Ohio. Clip for securing wood sleepers to concrete floors. 1,768,268; June 24.
- Prescott, John O., Glenbrook, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Selector tuning device. 1,759,664; May 20.

- Prescott, John O., Glenbrook, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Selector tuning device. 1,783,671; Dec. 2.
- Prescott, John O., Glenbrook, Conn., and F. A. Kolster, Palo Alto, Calif., assignors to Federal Telegraph Company, Newark, N. J. Sound-reproducing system. 1,766,046; June 24.
- Prescott, Le Roy A., assignor to Bennett Pumps Corporation, Muskegon, Mich. Illuminating device. 1,764,980; June 17.
- Prescott-Richardson, Percival C., New York, N. Y. Ear-ring guard. 1,743,006; Jan. 7.
- Prescott, Sumner K., assignor to Prescott Iron Works, Seattle, Wash. Lumber trimmer. 1,780,362; Nov. 4.
- Prescott, Sydney I., New York, N. Y. Dished wheel. 1,765,848; June 24.
- Prescott, William E. (See Baker, G. R., and Prescott.)
- Prescott, William E. (See Savy, R., Baker, and Prescott.)
- Prescott, William E., Harrow, England, assignor to Baker Perkins Company, Incorporated, Saginaw, Mich. Apparatus for producing refined cocoa liquor from cocoa nibs and the like. 1,758,804; May 13.
- Prescott, William E., London, England, assignor to Baker Perkins Company, Saginaw, Mich. Machine for baking wafers and the like. 1,763,720; June 17.
- Presnell, Elmer. (See Richardson, Allen C., assignor.)
- Press, Abraham, Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,757,589; May 6.
- Press Products, Inc. (See Sparkes, John G., assignor.)
- Press, William J., Ottawa, Ontario, Canada. Fluid pump. 1,769,647; July 1.
- Pressed Steel Car Company. (See Anderson, John P., assignor.)
- Pressed Steel Car Company. (See Brinckerhoff, Francis M., assignor.)
- Pressed Steel Car Company. (See Burner, William L., assignor.)
- Pressed Steel Car Company. (See Reeder, Nathaniel S., assignor.)
- Pressed Steel Car Company. (See Schmohl, Alfred C., assignor.)
- Pressed & Welded Steel Products Company. (See Haskin, Walter E., assignor.)
- Pressell, George W., assignor to E. F. Houghton and Company, Philadelphia, Pa. Treated raw-cotton fiber and lubricant and conditioner therefor. 1,771,347; July 22.
- Presser, Albert, assignor to the firm Dornier-Metallbauten, G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Steering aircraft. 1,785,913; Dec. 23.
- Presser, Ernst, assignor to Süddeutsche Telefon-Apparate, Kabel- und Drahtwerke Aktiengesellschaft, Nuremberg, Germany. Manufacturing alternating-current rectifiers. 1,743,160; Jan. 14.
- Presser, Ernst, assignor to Süddeutsche Telefon-Apparate, Kabel- und Drahtwerke Aktiengesellschaft, Nuremberg, Germany. Electrical alternating-current rectifier. 1,778,645; Oct. 14.
- Pressey, Sidney L., Columbus, Ohio. Machine for intelligence tests. 1,749,226; Mar. 4.
- Pressley, Charles W., Hollywood, Calif. Piano. 1,758,972; May 20.
- Pressley, Jackson H., Fort Monmouth, Oceanport, N. J. Loop antenna. 1,747,262; Feb. 18.
- Press-Or Company. (See Meyer, Charles, assignor.)
- Prestinari, Eugen, Irvington, N. J., assignor to Gemex Company, Newark, N. J. Chain. Des. 80,965; Apr. 15.
- Prestinari, Eugen, Irvington, assignor to Gemex Company, Newark, N. J. Bracelet. Des. 81,203; May 20.
- Prestinari, Eugen, Irvington, assignor to Gemex Company, Newark, N. J. Bracelet. Des. 81,400; June 17.
- Prestinari, Eugen, Irvington, assignor to Gemex Company, Newark, N. J. Bracelet. Des. 81,401; June 17.
- Prestinari, Eugen, Irvington, N. J., assignor to Gemex Company, Newark, N. J. Bracelet strap. Des. 81,501; July 1.
- Prestinari, Eugen, Irvington, assignor to Gemex Company, Newark, N. J. Bracelet strap. 1,750,125; Mar. 11.
- Prestinari, Eugen, Irvington, assignor to Gemex Company, Newark, N. J. Bracelet chain. 1,760,662; May 27.
- Prest-O-Lite Storage Battery Corporation. (See Benner, Raymond C., assignor.)
- Prest-O-Lite Storage Battery Corporation. (See Benner, R. C., and Chaney, assignors.)
- Prest-O-Lite Storage Battery Corporation. (See Benner, R. C., and Fink, assignors.)
- Presto Lock Corporation. (See Levine, Abraham, assignor.)
- Presto Primer and Reducing Valve Corporation. (See Anderson, Augustus L., assignor.)
- Preston, Bernard J. (See Braeg, Herman E., assignor.)
- Preston, Burnham G., West Medford, assignor to National Company, Inc., Malden, Mass. Roller skate. 1,772,564; Aug. 12.
- Preston, Edward S., assignor to Chicago Electric Manufacturing Co., Chicago, Ill. Duplex electric waffle iron. 1,754,800; Apr. 15.
- Preston, Frank W., Butler, Pa. Method of and apparatus for making clay pots. 1,765,804; June 24.
- Preston, Frederick A., Lake Forest, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,781,191; Nov. 11.
- Preston, Fredrick L., Mobile, Ala. Chemical furnace. 1,784,109; Dec. 9.
- Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train-control system of the permissive type. 1,744,012; Jan. 14.
- Preston, Robert, Gisborne, New Zealand. Milk measuring and sampling means. 1,784,973; Dec. 16.
- Preston, Victor, assignor to Hayes-Hunt Corporation, Elizabeth, N. J. Windshield support. 1,746,556; Feb. 11.
- Preston, William A., Brisbane, Queensland, Australia. Air-blast cotton picker. 1,750,541; Mar. 11.
- Preter, Joseph R. (See Henry, Henry L., assignor.)
- Prétot, Marcel, and F. Ullmann, Mulhouse, France. Device for removing solid particles from flue gases. 1,749,260; Mar. 4.
- Preyer, Arthur E., Washington, D. C. Making cord tires. 1,770,531; July 15.
- Prez, Robert M., assignor to Reo Motor Car Company, Lansing, Mich. Fastener for trimming material. 1,782,695; Nov. 25.
- Pribil, Alexis R., Saginaw, Mich. Wheel yoke. 1,747,319; Feb. 18.
- Pribil, Alexis R., Saginaw, Mich. Lubricator for trolley conveyors. 1,754,801; Apr. 15.
- Pribnow, Arthur W. (See Pribnow, J. F., and Mitchell, assignors.)
- Pribnow, John F., San Diego, assignor to Pribnow Saw Sharpening Machinery Company, Los Angeles, Calif. Saw-tooth grinder. 1,763,065; June 10.
- Pribnow, John F., deceased, San Diego, Calif., and E. F. Mitchell, Spokane, Wash.; said Mitchell assignor to A. W. Pribnow, San Diego, Calif.; M. L. Schultz, administrator Circular-saw-sharpening machine. 1,780,886; Nov. 4.
- Pribnow Saw Sharpening Machinery Company. (See Pribnow, John F., assignor.)
- Price, Arthur, Freeport, N. Y. Strip forming and assembling machine. 1,761,536; June 3.
- Price, Arthur H., Neosho Falls, Kans. Wire-fastening means. 1,774,212; Aug. 26.
- Price, Arthur L., Tulsa, Okla. Traction-increasing mud hook. 1,769,307; July 1.
- Price, Benjamin F. (See Meeder, Herbert L., assignor.)
- Price, Charles M. (See Allen, G. N., Parker, and Price.)
- Price, Charles S., Bethlehem, assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Emblem holder. 1,750,605; Mar. 11.
- Price, Charles S., Bethlehem, assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Adhesive-applying machine. 1,756,833; Apr. 29.
- Price, David R., Lynn, Mass., assignor to General Electric Company. Mercury watt-hour meter. 1,747,079; Feb. 11.
- Price, David R., Lynn, Mass., assignor to General Electric Company. Frictionless commutating mechanism. 1,770,804; July 15.
- Price, Edgar W. (See Varner, D. E., and Price.)
- Price, Enda B., administratrix. (See Greene, William B.)
- Price, George T. (See Kelly, W. C., Price, Bruce, and Goeller.)
- Price, Harcourt C., Chatswood, near Sydney, New South Wales, Australia. Money till and cash register. 1,746,715; Feb. 11.
- Price, Harry C., Youngstown, Ohio, assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway-crossing protection. 1,746,277; Feb. 11.
- Price, Harry R., and E. W. Nice, Detroit, Mich.; said Price assignor to said Nice. Portable dispensing device. 1,766,764; June 24.
- Price, Herbert E., Seattle, Wash. Animated toy. 1,782,477; Nov. 25.
- Price, Jacob L., assignor to Bendix Brake Company, Chicago, Ill. Brake drum. 1,770,109; July 8.
- Price, Jacob L., assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind. Brake. 1,774,565; Sept. 2.
- Price, James W., Bloomington, Ind. Fish-scaling machine. 1,775,693; Sept. 16.
- Price, John L., Indianapolis, Ind. Radio capacitance and inductance regulator. 1,766,002; June 24.
- Price, Joseph, St. George, assignor to The Griscom-Russell Company, New York, N. Y. Temperature-control system for dephlegmators. 1,743,568; Jan. 14.
- Price, Joseph, St. George, assignor to Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,773,200; Aug. 19.
- Price, Joseph, Stapleton, assignor to Griscom-Russell Company, New York, N. Y. Gas-cooling apparatus. 1,769,963; July 8.
- Price, Joseph, Stapleton, assignor to Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,773,199; Aug. 19.
- Price, Mary K., executrix. (See Price, William G.)
- Price, Max C., Punta Gorda, Fla. Attachment for blue-print machines. 1,774,945; Sept. 2.
- Price, Osborne I., Frederick, Md. Swimming appliance. 1,759,711; May 20.
- Price, Owen A., Kilmarnock, Scotland. Pivoted disk valve. 1,744,798; Jan. 28.
- Price, Robert V., Calgary, Alberta, Canada. Controlling valve for pumps. 1,744,002; Jan. 14.
- Price, Samuel J. T., Auburn, Ala. Folding machine. 1,779,105; Oct. 21.
- Price, Thornton W., New Brunswick, N. J. Motor suspension. 1,780,719; Nov. 4.
- Price, Thornton W., New Brunswick, N. J. Furnace-controlling device. 1,780,942; Nov. 11.

- Price, William B. (See Shields, E. H., and Suetterlin, assignors.)
- Price, William E., White Plains, N. Y. Lantern. 1,745,689; Feb. 4.
- Price, William E., White Plains, N. Y. Decorative lighting. 1,747,556; Feb. 18.
- Price, William F., Bala, and R. H. Beck, Upper Darby, Pa.; said Beck assignor to said Price. Battery-plate-filling machine. 1,757,546; May 6.
- Price, William G., deceased, Yakima, Wash.; M. K. Price executrix. Hydraulic braking method and apparatus. 1,766,540; June 24.
- Price, William G., deceased, Yakima, Wash.; M. K. Price, executrix. Hydraulic braking apparatus. 1,782,663; Nov. 25.
- Price, William G., Yakima, Wash., assignor to McCleary Hydraulic Brake Company. Hydraulic brake and operating mechanism. 1,779,639; Oct. 28.
- Price, William W., and C. W. Ripsch, Dayton, Ohio; said Ripsch assignor to said Price. Air-driven implement or tool. 1,758,760; May 13.
- Prickitt, Joshua S., New York, N. Y. Holder for memorandum pads. Re17,588; Feb. 11.
- Pridgen, Jesse C., Norlina, N. C. Distributing attachment for harrows and the like. 1,764,853; June 17.
- Pridham, Edwin S., and P. L. Jensen, assignors to The Magnavox Co., Oakland, Calif. Sound-reproducing device. 1,745,118; Jan. 28.
- Priebe, Ernest B., et al. (See Coutant, Jay G., assignor.)
- Priebe, Herman C., Blue Island, Ill. Brake gearing for railway cars. 1,762,586; June 10.
- Priebe, Herman C., Blue Island, Ill. Draft gear. 1,762,587; June 10.
- Priess, William H., Montclair, N. J., assignor to Wireless Specialty Apparatus Company, Boston, Mass. Condenser lead and terminal. 1,767,093; June 24.
- Priessman, Neil Y., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 1,763,008; June 10.
- Priest, Charles A., assignor to The Scholl Mfg. Co. Inc., Chicago, Ill. Vibrator and using the same. 1,787,211; Dec. 30.
- Priest, Dwight E., assignor to Parker Wire Goods Company, Worcester, Mass. Mechanism for collecting and feeding screw eyes. 1,756,605; Apr. 29.
- Priest, Edward D., Schenectady, N. Y., assignor to Parker Wire Goods Co., Worcester, Mass. Making belaying cleats. 1,743,390; Jan. 14.
- Priest, Martin G. T., Puniho, New Zealand, assignor to Priest's Brake Development Company, Limited, New Plymouth, N. Z. Brake for machinery, vehicles, and the like. 1,771,348; July 22.
- Priester, Harry, executor. (See Fallot, Alfred.)
- Priest's Brake Development Company, Limited. (See Priest, Martin G. T., assignor.)
- Prigan, Ernest W., Camp Baldy, assignor to A. L. Shepard, Los Angeles, Calif. Automatic chuck. 1,750,023; Mar. 11.
- Prigg, Herbert P., Miami, Fla. Combined transmission gear and gear box. 1,772,158; Aug. 5.
- Prillaman, Ella F., et al. (See Culver, Lagar R., assignor.)
- Prillaman, John W., et al. (See Culver, Lagar R., assignor.)
- Primas, Alexander, assignor of one-fourth to J. G. Miller, Buffalo, N. Y. Ventilating window lock. 1,780,274; Nov. 4.
- Prime, Edward J., Groveland, Mass. Combined manually and magnetically operated vehicle brake. 1,762,420; June 10.
- Primm, William N., Kenesaw, Nebr. Hog crate. 1,764,522; June 17.
- Primos Lead Company. (See Smith, Walter C., assignor.)
- Primrose, John, Dongan Hills, N. Y., assignor to Foster Wheeler Corporation. Heating apparatus. 1,758,239; May 13.
- Primrose, John, Dongan Hills, assignor to Power Specialty Company, New York, N. Y. Method of and apparatus for cracking petroleum oil. 1,769,459; July 1.
- Prince, Arthur C., Chicago, Ill. Bank. 1,770,710; July 15.
- Prince & Company. (See Prince, Earl S., assignor.)
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electrical system. 1,752,109; Mar. 25.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Railway signaling system. 1,770,805; July 15.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electrical system. 1,779,332; Oct. 21.
- Prince, Earl S., assignor to Prince & Company, Sterling, Ill. Merchandise booth. Des. 82,904; Dec. 23.
- Prince, John F. (See Nilson, J. L., and Prince.)
- Prince, Raymond B. (See Akers, Oscar B., assignor.)
- Prince, Robert K., Westfield, Mass., assignor to Vitamin Food Co., Inc., New York, N. Y. Vitamin compound. 1,753,531; Apr. 8.
- Prindle, Eugene F., Lawton, Mich. Snow shovel. 1,743,161; Jan. 14.
- Prindle, Frank P., assignor to The Stanley Works, New Britain, Conn. Scrap-bundling machine. 1,765,356; June 17.
- Prindle, Raymond B., Schenectady, N. Y., assignor to General Electric Company. Filament support. 1,776,133; Sept. 16.
- Pringle, William A., and L. F. Hagemann, Niagara Falls, N. Y., assignors to American Sales Book Company, Limited, Toronto, Canada. Manifold device. 1,782,388; Nov. 18.
- Pringle, William F., et al. (See Nee, Daniel J., assignor.)
- Printing Machinery Company, The. (See Noell, Elmer F., assignor.)
- Printz, Daniel F., deceased, Reading, Pa.; The Penn National Bank and Trust Company, executor, assignor to Ephrata Manufacturing Company, Ephrata, Pa. Jointer attachment for portable sawing machines. 1,755,894; Apr. 22.
- Prior, John A., Philadelphia, Pa., assignor of one-half to S. P. Howe, Camden, N. J. Double automatic clutch. 1,784,793; Dec. 9.
- Prior, Walter, jr., et al. (See Camfield, William H., assignor.)
- Pritchard, Amos D., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Distributing system. 1,765,447; June 24.
- Pritchard, Amos D., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. System for charging storage batteries. 1,786,086; Dec. 23.
- Pritchard, Arthur, and C. Monks, London, England. Manufacture of tennis and other rackets. 1,779,289; Oct. 21.
- Pritchard, Franklin H., Erie, Pa., assignor to General Electric Company. Engine-driven generator. 1,771,938; July 29.
- Pritchard, George A., Atlantic Beach, Fla., assignor to N. W. Pritchard. Visor for closed cars. 1,745,866; Feb. 4.
- Pritchard, George A., Atlantic Beach, Fla. Luggage carrier for use with motor-car doors. 1,778,771; Oct. 21.
- Pritchard, Nelle W. (See Pritchard, George A., assignor.)
- Pritchard, Percy, Smethwick, England. Piston for internal-combustion engines. 1,767,395; June 24.
- Pritchard, William S. (See Grossman, Harold, assignor.)
- Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Corner construction for frames and making the same. 1,747,135; Feb. 11.
- Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Pullman window. 1,770,551; July 15.
- Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Windshield-operating mechanism. 1,778,812; Oct. 21.
- Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Windshield. 1,780,096; Oct. 28.
- Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Weather strip. 1,781,882; Nov. 18.
- Pritchard, William T., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Lubricating device. 1,757,736; May 6.
- Pritchett, Edward C., Mount Vernon, N. Y. Preventing acoustic shock from a telephone receiver. 1,745,690; Feb. 4.
- Pritsker, Isidore, et al. (See Rubens, Ben, assignor.)
- Pritz, Lawrence G. (See Bailly, T. F., and Pritz.)
- Probert, Sidney C., and R. E. Spurr, Detroit, Mich., assignors, by mesne assignments, to Chrysler Corporation. Truing attachment for grinding machines. 1,770,711; July 15.
- Probert, Sidney C., and F. J. Lamborn, Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation. Grinding machine. 1,772,592; Aug. 12.
- Probst, Eduard. (See Hauser, P., and Probst.)
- Probst, Emil, and F. Tölke, Karlsruhe, Germany. Dam. 1,742,369; Jan. 7.
- Procédés Navarre. (See Thiriet, A., and Delcroix, assignors.)
- Process Casting Company, The. (See Leary, James P., assignor.)
- Process Engineers, Inc. (See De Cew, Judson A., assignor.)
- Procter, Richard H., Chicago, Ill. Self-closing window ventilator. 1,776,370; Sept. 23.
- Proctor, Albert E., Bellingham, Wash. Band-saw-tensioning roller. 1,778,275; Oct. 14.
- Proctor, Alexander, Blairgowrie, Scotland. Harvesting of flax and other crops. 1,746,868; Feb. 11.
- Proctor, Charles A. (See Ames, A., jr., and Proctor.)
- Proctor, Charles H., Arlington, N. J., assignor to The Roessler & Hasselbacher Chemical Company, New York, N. Y. Electrodeposition of chromium. 1,749,443; Mar. 4.
- Proctor, Charles V., Biron, Wis. Process and apparatus for regulating paper stock and the like. 1,774,566; Sept. 2.
- Proctor & Gamble Company, The. (See Heitlage, Henry, assignor.)
- Proctor & Gamble Company, The. (See Manley, S. M., and Heitlage, assignors.)
- Proctor, George A., Los Angeles, Calif. Sun-bath apparatus. 1,780,363; Nov. 4.
- Proctor, Hailey A., Sylvia, Kans. Badge or similar article. Des. 82,448; Nov. 4.
- Proctor, Ivan L. (See Van Dorssen, B. de K., and Proctor.)
- Proctor, John A., Lexington, and W. M. Bailey, Lynn, assignors to Wireless Specialty Apparatus Company, Boston, Mass. Electric condenser. Re17,916; Dec. 30.
- Proctor, John A., Lexington, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Radio loop aerial. 1,779,145; Oct. 21.

- Proctor, Robert V., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Metallic structure. 1,778,606; Oct. 14.
- Proctor, Robert V., assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Mine-shaft construction. 1,783,812; Dec. 2.
- Proctor, Robert V., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Tunnel. 1,785,096; Dec. 16.
- Proctor, Robert V., and H. M. Schaab, assignors to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Tunnel liner. 1,757,813; May 6.
- Proctor & Schwartz Electric Company. (See Hurxthal, Alpheus O., assignor.)
- Proctor & Schwartz Electric Company. (See Lapin, Brian A., assignor.)
- Proctor & Schwartz, Incorporated. (See Ayres, Elwood B., assignor.)
- Proctor & Schwartz, Incorporated. (See Gebhardt, Gustav H., assignor.)
- Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)
- Proctor & Schwartz, Incorporated. (See Morrison, Charles S., assignor.)
- Proctor & Schwartz, Incorporated. (See Roberts, Joseph, assignor.)
- Proctor & Schwartz, Incorporated. (See Schwartz, W. M., Harrison, and Fagan, assignors.)
- Proctor & Schwartz, Incorporated. (See Tiers, Louis P., assignor.)
- Procunier, Harry G., assignor to Procunier Safety Chuck Company, Chicago, Ill. Tapping attachment. 1,781,192; Nov. 11.
- Procunier Safety Chuck Company. (See Procunier, Harry G., assignor.)
- Prodorite S. A. (See Lévy, Marcel, assignor.)
- Production Equipment Company. (See Meier, Earl C., assignor.)
- Producto Machine Company, The. (See Marsilius, Newman M., assignor.)
- Products Protection Corporation, The. (See Smith, Franklin S., assignor.)
- Proffen, Vladimir V., Seattle, Wash. Switch lock. 1,752,613; Apr. 1.
- Program Service Company. (See Painter, L. O., and Wallin, assignors.)
- Progress Gesellschaft fuer Textilmaschinen mit beschränkter Haftung. (See Werner, Karl, assignor.)
- Progressive Corrugated Machinery Co. (See Schroeder, L. H., and Wagner, assignors.)
- Progressive Corrugated Paper Machinery Co., Inc. (See Schroeder, Louis H., assignor.)
- Progressive Silk Finishing Co. (See Milhomme, Alexander, assignor.)
- Projahn, Karl F., Aschaffenburg, assignor to the firm: Löwenthal & Weissberger, G. m. b. H., Frankfurt-on-the-Main, Germany. Pyrophoric hand lighter. 1,753,835; Apr. 8.
- Projahn, Karl F., Aschaffenburg, assignor of one-half to I. Gillis, Frankfurt-on-the-Main, Germany. Pyrophoric pocket igniter. 1,761,048; June 3.
- Project Holding Corporation. (See Bauer, William J., assignor.)
- Proksa, John, assignor to Helios Corporation, Chicago, Ill. Motion-picture-projecting apparatus. 1,749,394; Mar. 4.
- Proksa, John, assignor to Helios Corporation, Chicago, Ill. Motion-picture apparatus. 1,749,779; Mar. 11.
- Proos, Cornelis F., assignor to Naamlooze Venootschap Nederlandsche Kabelfabrick, Delft, Netherlands. Junction box for high-tension electric cables. 1,780,686; Nov. 4.
- Propp, Louis, assignor to The M. Propp Co. Inc., New York, N. Y. Electric socket fitting. 1,784,388; Dec. 9.
- Propp, M., Co. Inc., The. (See Hertzberg, Henry, assignor.)
- Propp, M., Co. Inc., The. (See Propp, Louis, assignor.)
- Propp, M., Co. Inc., The. (See Propp, Morris, assignor.)
- Propp, Morris, assignor to The M. Propp Co. Inc., New York, N. Y. Current tap fitting. 1,751,842; Mar. 25.
- Prosdoci, Andrea, Este, Italy. Supporting plane for aircraft comprising movable elements controlled by motors. 1,744,080; Jan. 21.
- Proskauer, Julien J., assignor to William C. Popper and Company, New York, N. Y. Combination price tag and instruction book. 1,745,230; Jan. 28.
- Prosnitz, Ludwig B., assignor to Jacobus School Products Co., Inc., New York, N. Y. Inkwell closure. 1,765,284; June 17.
- Prosperity Company, The. (See Braun, Philip N., assignor.)
- Prosperity Company, The. (See Clisson, Albert B., assignor.)
- Prosperity Company, The. (See Davis, Ernest, assignor.)
- Prosperity Company, The. (See Hart, Simeon T., assignor.)
- Prosperity Company, The. (See Pierce, Allen B., assignor.)
- Prosperity Company, The. (See Schremp, Edward J., assignor.)
- Prosperity Company, The. (See Schremp, E. J., and Braun, assignors.)
- Prosperity Company, The. (See Simpson, George F., assignor.)
- Prosperity Company, The. (See Titterington, Morris M., assignor.)
- Prosperity Company, The. (See Tucker, Loren C., assignor.)
- Prosperity Company, The. (See Yanchenko, Basil J., assignor.)
- Prosperity Company, Inc., The. (See Daly, Joseph P., assignor.)
- Prosperity Company, Inc., The. (See Davis, Ernest, assignor.)
- Prosser, Robert H., Oakland, Calif. Resilient connection for structures. 1,761,584; June 3.
- Prosser, Thomas W., Kankakee, Ill., assignor to Paramount Textile Machinery Co., Chicago, Ill. Drying apparatus. 1,755,334; Apr. 22.
- Protectoseal Company of America. (See Anschicks, Rudolph J., assignor.)
- Prothers, Harold, assignor to Vordone Company, Milwaukee, Wis. Door for washer drums. 1,751,946; Mar. 25.
- Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Rail-joint oiler. 1,742,370; Jan. 7.
- Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Liquid-discharge nozzle. 1,754,768; Apr. 15.
- Proudfit Loose Leaf Co. (See Proudfit, W. S., and Graf, assignors.)
- Proudfit, William S., and E. F. Graf, assignors to Proudfit Loose Leaf Co., Grand Rapids, Mich. Loose-leaf binder. 1,745,911; Feb. 4.
- Prouty, Charles N., assignor to Isaac Prouty & Co., Inc., Spencer, Mass. Backstay for shoes. 1,770,218; July 8.
- Prouty, Isaac, & Co. (See Prouty, Charles N., assignor.)
- Prouty, William B., Evanston, Ill., assignor to Federal Pneumatic Systems, inc. Separating system. 1,766,941; June 24.
- Prouty, Willis O., Hermosa Beach, Calif. Display sign. Re17,672; May 20.
- Providence Stock Company. (See Lederer, Sigmund L., assignor.)
- Provisor, Abraham, Winnipeg, Manitoba, Canada. Chair. 1,744,799; Jan. 28.
- Provost, Anatole, Montreal, Quebec, Canada. Grate bar. 1,761,024; June 3.
- Prows, Joseph T., Cynthiana, Ky. Bedspring. 1,763,254; June 10.
- Prudden, Theodore M. (See Benson, William E., assignor.)
- Prudhomme, Eugene A., Neuilly-sur-Seine, assignor to Societe Internationale Des Procèdes Prudhomme (S. I. P. P.), Paris, France. Process and apparatus for purifying gases. 1,760,522; May 27.
- Prudhomme, Eugène A., Neuilly-sur-Seine, assignor to Societe Internationale Des Procèdes Prudhomme (S. I. P. P.), Paris, France. Process and apparatus for treating hydrocarbons. 1,780,536; Nov. 4.
- Pruett, William A., Los Angeles, Calif. Compact fly and tackle case. 1,749,227; Mar. 4.
- Prunetti, Emillo, Oakland, Calif. Musical wagon. 1,746,278; Feb. 11.
- Prusacki, Walter, St. Louis, Mo. Automobile water heater. 1,745,231; Jan. 28.
- Prutsmann, Harold C. (See Kritchevsky, W., Prutsmann, and Morrill.)
- Prutton, Carl F. (See Smith, A. K., and Prutton.)
- Prutzman, Paul W. (See Benjamin, V. C., and Prutzman.)
- Prutzman, Paul W. (See Vogel, Willard L., assignor.)
- Prutzman, Paul W. (See Wheeler, R. C., and Prutzman.)
- Prutzman, Paul W., Los Angeles, Calif. Decolorizing fatty substances with adsorbents. 1,745,952; Feb. 4.
- Prutzman, Paul W., Los Angeles, Calif. Continuous foam-producing method and apparatus. 1,781,298; Nov. 11.
- Prutzman, Paul W., Los Angeles, Calif. Continuous production of foam solutions. 1,781,299; Nov. 11.
- Prutzman, Paul W., Los Angeles, Calif. Apparatus for fire-foam production. 1,781,300; Nov. 11.
- Prutzman, Paul W., and V. C. Benjamin, Los Angeles, assignors to Contact Filtration Company, San Francisco, Calif. Tipping filter press. 1,754,401; Apr. 15.
- Pruyn, Samuel R., Chicago, Ill. Shock absorber for guns. 1,785,977; Dec. 23.
- Pryce, Leslie, Johannesburg, Transvaal, South Africa. Hammer rock drill. 1,744,141; Jan. 21.
- Pryde Robert D., Orange, Conn. Display stand. 1,761,088; June 3.
- Pryor, Ralph W. (See Malone, H. E., and Pryor.)
- Psaila, Joseph, Brooklyn, N. Y. Milk-bottle holder. 1,779,290; Oct. 21.
- Publius Limited. (See Connell, John W., assignor.)
- Publicker, Inc. (See Haner, Carl, assignor.)
- Public Service Coordinated Transport. (See Boylan, Matthew R., assignor.)
- Pucar, Theodore, assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Fastener-setting machine. 1,786,087; Dec. 23.
- Pucar, Theodore, assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Feeding device for pronged fasteners. 1,786,088; Dec. 23.
- Pucek, Felix, assignor of one-third to F. Diblick and one-third to J. Forman, Chicago, Ill. Lock and key structure. 1,750,542; Mar. 11.
- Puckett, Paul R., Chattanooga, Tenn., assignor, by mesne assignments, to Bond Electric Corporation, Brooklyn, N. Y. Flash-light container. 1,772,266; Aug. 5.
- Puckett, William H., assignor to Peerless Supply Company, Tulsa, Okla. Stuffing box. 1,782,696; Nov. 25.
- Puckridge, Harry J. (See Payne, H. W., Puckridge, and Evans.)

- Pudelko, Riccard. (See Fröhlich, H., and Pudelko.)
- Pudelko, Riccard, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Electric meter mechanism. 1,759,491; May 20.
- Pudelko, Riccard, assignor to Landis & Gyr S. A., Zug, Switzerland. Writing appliance for recording apparatus. 1,771,272; July 22.
- Puening, Franz, O'Hara Township, Allegheny County, Pa. Preheater. 1,756,991; May 6.
- Puening, Franz, O'Hara Township, Allegheny County, Pa. Heating apparatus. 1,767,614; June 24.
- Puening, Franz, O'Hara Township, Allegheny County, Pa., assignor to The Koppers Company. Preheating system. 1,765,771; June 24.
- Puening, Franz, Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa. Heating coal or the like. 1,781,079; Nov. 11.
- Puffer, Samuel R., Lynn, Mass., assignor to General Electric Company. Attaching wheels to shafts. 1,771,349; July 22.
- Puget Sound Pulp and Timber Co. (See Anderson, Ossian, assignor.)
- Pugh, Emerson. (See Heimberger, H. T., and Pugh.)
- Pugh, John V., assignor to Rudge-Whitworth, Limited, Coventry, England. Vehicle wheel. 1,777,223; Sept. 30.
- Pugh, John V., assignor to Rudge-Whitworth, Limited, Coventry, England. Brake drum. 1,785,424; Dec. 16.
- Pugh, John V., and G. T. Bayliss, Coventry, England; said Bayliss assignor to said Pugh. Rotational driving connection. 1,784,708; Dec. 9.
- Pugh, William J., Oakland, Calif. Occupant-propelled vehicle. 1,787,322; Dec. 30.
- Pugliese, John, South Manchester, Conn. System of filtration. 1,783,341; Dec. 2.
- Puzzley, Edwin, New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company. Making plated shot. 1,785,493; Dec. 16.
- Pulford, John F., assignor of one-half to D. F. Hackett, Boise, Idaho. Pressure head. 1,750,543; Mar. 11.
- Pulfrich, Hans. (See Skaupy, F., Ewest, Pulfrich, and Schallreutter.)
- Pulkinghorn, William R., assignor to Spra-O-Sal Products, Inc., Los Angeles, Calif. Water-impregnating device. 1,757,140; May 6.
- Pullelean Manufacturing Corporation. (See Crowson, Herbert W., assignor.)
- Pullelean Manufacturing Corporation. (See Trinks, William W., assignor.)
- Pullelean Manufacturing Corporation. (See Trinks, W. W., and Tucker, assignors.)
- Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet-sweeper-brush drive mechanism. 1,786,864; Dec. 30.
- Pullen, Harry. (See Zimmerman, M. D., and Pullen.)
- Pullen, Rodney S., assignor to Pullenlite Company, Philadelphia, Pa. Match packet. 1,782,074; Nov. 18.
- Pullenlite Company. (See Pullen, Rodney S., assignor.)
- Puller, Rudolf, Berling-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Voltage-control system. 1,764,414; June 17.
- Pulleys, George, assignor of one-half to F. C. Braun, New York, N. Y. Wreath-making device. Re17,559; Jan. 7.
- Pullman Car and Manufacturing Corporation. (See Chapman, Paul C., assignor.)
- Pullman Car and Manufacturing Corporation. (See Lunn, Ernest, assignor.)
- Pullman Car and Manufacturing Corporation. (See Mussey, William H., assignor.)
- Pullman Company, The. (See Pflager, Charles W., assignor.)
- Pullwitt, Herman P., Oak Park, assignor to McIntosh Electrical Corporation, Chicago, Ill. Electrotherapeutic machine. 1,764,347; June 17.
- Pullwitt, Herman P., Oak Park, assignor to McIntosh Electrical Corporation, Chicago, Ill. Electrotherapeutic machine. 1,780,600; Nov. 4.
- Pulsifer, George H., Haverhill, Mass. Shoe buckle. Des. 81,073; Apr. 29.
- Pulverman, Philip E., assignor to The Visometer Corporation, New York, N. Y. Gauge. 1,755,163; Apr. 15.
- Puncer, Mary, et al. (See Drahonovsky, John B., assignor.)
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cleansing and emulsifying agent. 1,757,441; May 6.
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie (Aktiengesellschaft), Frankfort-on-the-Main, Germany. Oxidation of fats, waxes, and resins. 1,780,632; Nov. 4.
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and E. Fresco, Neuroessen, assignors to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of solid lubricants. 1,776,193; Sept. 16.
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and M. Jahrstorfer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of valuable products from Montan wax. 1,755,189; Apr. 22.
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and M. Jahrstorfer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Improving the properties of Montan wax. 1,777,766; Oct. 7.
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and M. Jahrstorfer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of wax compositions. 1,780,633; Nov. 4.
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and M. Jahrstorfer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Hardening paraffin, waxes, and the like. 1,786,263; Dec. 23.
- Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Combined horn button and control lever. Des. 81,146; May 13.
- Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Vehicle bumper. Des. 81,402; June 17.
- Punte, William. (See O'Brien, F. J., and Punte.)
- Punte, William F. (See Aulbach, C. J., and Punte.)
- Punte, William F., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Combined shipping and display container. 1,765,383; June 24.
- Pupilla, Paul P., Bradley Beach, N. J. Sterilizer. 1,755,895; Apr. 22.
- Purcell, Charles H., Bloomingdale, Ind., assignor of one-half to L. O. Engle, Danville, Ill. Fencing tool. 1,765,241; June 17.
- Purcell, Mark, New York, N. Y., assignor to Diamond Candle Co., Inc. Night-light and votive-light holders. 1,746,966; Feb. 11.
- Purcell, Reuben, East Finchley, London, England. Press for tennis and like rackets. 1,786,577; Dec. 30.
- Purcell, Robert A., assignor to The Alliance Toy & Specialty Company, Alliance, Ohio. Hand shear. 1,779,889; Oct. 28.
- Purcell, William F. (See Hiltz, G. S., and Purcell.)
- Purdum, William W., Los Angeles, Calif. Making neon electric signs and neon signs. 1,743,569; Jan. 14.
- Purdum, Samuel E., Macomb, Ill. Vending machine. 1,746,279; Feb. 11.
- Purdy, Alvin C. (See Kraemer, W. L., and Purdy.)
- Purdy, Chester A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical coil and manufacturing it. 1,748,993; Mar. 4.
- Purdy, Frederick, assignor to Marvel Carburetor Company, Flint, Mich. Thermostatic heat control. 1,772,842; Aug. 12.
- Purdy, Frederick L., Columbus, Ohio. Connecting means for rafters. 1,787,167; Dec. 30.
- Purdy, Jay D., assignor to The Pilliod Company, Swanton, Ohio. Locomotive valve gear. 1,752,929; Apr. 1.
- Purdy, William G., and J. P. Speck, Tiffin, Ohio. Sign-board. 1,742,667; Jan. 7.
- Purdy, William G., and J. P. Speck, Tiffin, Ohio. Lattice work and supporting the same. 1,783,196; Dec. 2.
- Pure Oil Company, The. (See Harnsberger, Audley E., assignor.)
- Pure Oil Company, The. (See Sullivan, Daniel E., assignor.)
- Purfield, Henry T., Ann Arbor, Mich. Saw-filing machine attachment. 1,748,394; Feb. 25.
- Puritan Engineering Corporation. (See Nix, Leo D., assignor.)
- Puro Sanitary Drinking Fountain Company. (See Bicknell, F. A., and Best, assignors.)
- Pursel, Harold M., assignor to Sharrock and Pursel, Casper, Wyo. Power-operated scraper. 1,750,126; Mar. 11.
- Pursel, Harold M., assignor to Sharrock and Pursel, Casper, Wyo. Power-operated scraper. 1,780,401; Nov. 4.
- Pursel, Harold M., assignor to Sharrock and Pursel, Casper, Wyo. Duplex power scraper. 1,786,448; Dec. 30.
- Purvis, Charles A., Long Beach, Calif. Mop. 1,758,464; May 13.
- Purvis, Clark T., et al. (See Eaton, Bertram, assignor.)
- Puschett, Theresa. (See Kozlowski, Leon, assignor.)
- Pusey, William A., Chicago, Ill. Collar. 1,757,057; May 6.
- Pusey & Jones Corporation, The. (See Bqzman Frederick A., assignor.)
- Putman, Charles E., Seattle, Wash. Machine for forming imitation shakes. 1,780,097; Oct. 28.
- Putnam, Alden L., Dearborn, assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Wheel spoke and rim connection. 1,757,332; May 6.
- Putnam, Delmar M., assignor of one-half to R. S. Dunlap, Battle Creek, Mich. Compressor. 1,747,457; Feb. 18.
- Putnam, Ernest A., Iowa City, Iowa. Internal-combustion engine. 1,748,728; Feb. 25.
- Putnam, Fred A., Keene, N. H., assignor to Markom Machine Company, Boston, Mass. Type chase. 1,759,022; May 20.
- Putnam, George F., Goodrich, Mich. Pivot-straightening device. 1,747,136; Feb. 11.
- Putnam, Herbert N., Lakewood, Ohio. Wall conduit. 1,750,491; Mar. 11.
- Putnam, Israel L., Yuba City, Calif. Heater. 1,760,086; May 27.
- Putnam, Mark E., assignor to The Dow Chemical Company, Midland, Mich. Making sodium salicylates. 1,755,362; Apr. 22.
- Putnam, Thomas M., Cedar Grove, Wis. Electric stove. Des. 81,107; May 6.
- Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Device for guiding flash-molded strip material or the like into machines for operating thereon. 1,769,714; July 1.

- Putt, Edward D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire-flap-making apparatus. 1,787,168; Dec. 30.
- Putterman, Benjamin, Brooklyn, N. Y., assignor to Yankee Metal Products Corp. Smoker's receptacle. 1,767,476; June 24.
- Putusz, Steven P., Passaic, N. J. Rigid airship. 1,742,969; Jan. 7.
- Putzel, John L., Baltimore, Md. Arch-support shoe. 1,764,523; June 17.
- Pyle-National Company, The. (See Amos, John A., assignor.)
- Pyle-National Company, The. (See Dake, Charles W., assignor.)
- Pyle-National Company, The. (See Dake, C. W., and Kennedy, assignors.)
- Pyle-National Company, The. (See Ganzert, Albert E., assignor.)
- Pyle-National Company, The. (See Sipp, Edward A., assignor.)
- Pyle-National Company, The. (See Wulle, William A., assignor.)
- Pyle, Virgil M., Stockton, Mo. Agitator. 1,762,421; June 10.
- Pym, Arthur F. (See Pym, Charles F. and A. F.)
- Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,745,451; Feb. 4.
- Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe cementer. 1,772,467; Aug. 12.
- Pym, Charles F., Beverly, and A. F. Pym, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for tensioning and securing shoe uppers. 1,742,275; Jan. 7.
- Pyne, Herbert R. (See Ayres, I. H., and Pyne.)
- Pyramid Metals Company. (See Reed, Ira L., assignor.)
- Pyratone Products Corporation. (See Barrett, Harold G., assignor.)
- Pyrene Manufacturing Company. (See MacGregor, Peter G., assignor.)
- Pyrene-Minimax Corporation. (See Burmeister, Hans, assignor.)
- Pyrene-Minimax Corporation. (See Neumann, Friedrich, assignor.)
- Pyrene-Minimax Corporation. (See Reddemann, Bernhard, assignor.)
- Pysher, Fred L. (See Pysher, Maurice W. and Fred L.)
- Pysher, Maurice W. and F. L., Walla Walla, Wash. Pipe cleant-out fitting. 1,759,803; May 20.
- Q. R. S.-De Vry Corporation. (See De Vry, Herman A., assignor.)
- Quaas, Georg K., assignor to Sächsische Maschinenfabrik vorm. Rich-Hartmann Aktiengesellschaft, Chemnitz, Germany. Imparting a false twist to textile rovings. 1,772,109; Aug. 5.
- Quabang Rubber Company. (See Mason, Herbert T., assignor.)
- Quade, Kenneth G., and C. H. La Beef, assignors to Oswego Falls Corporation, Fulton, N. Y. Apparatus for stacking closure disks and the like. 1,774,401; Aug. 26.
- Quaglia, John, New York, N. Y. Street-post-lamp sign. Des. 82,280; Oct. 14.
- Quain, Eric P., Bismarck, N. Dak. Swimming device. 1,777,050; Sept. 30.
- Quaker Oats Company, The. (See Leuck, Gerald J., assignor.)
- Quaker Oats Company, The. (See Miner, Carl S., assignor.)
- Quaker Oats Company, The. (See Reddy, Charles S., assignor.)
- Quaker Oats Company. (See Trickey, John P., assignor.)
- Quaker Oats Company. (See Ufford, Helen, assignor.)
- Quaker Silver Company. (See Jennings, James W., assignor.)
- Quality Hardware & Machine Corporation. (See Akers, Axel, assignor.)
- Quality Hardware and Machine Corporation. (See Moyer, Charles L., assignor.)
- Quam, James P., Chicago, Ill. Loud-speaker unit. 1,750,648; Mar. 18.
- Quarles, Donald A., Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading system. 1,763,009; June 10.
- Quartier, Emile, Neuchatel, Switzerland. Magnetic stepping motor. 1,757,922; May 6.
- Quast, Albert H., and O. B. Olsen, Chicago, Ill. Wedding ring. Des. 82,585; Nov. 18.
- Quast, Otto K., Spokane, Wash. Pneumatic aircraft-propelling means. 1,785,458; Dec. 16.
- Quattrocchi, Edmondo, Paris, France. Machine for the reproduction of sculpture. 1,776,041; Sept. 16.
- Quayle, Philip P., Chevy Chase, Md. Electric switch. 1,752,930; Apr. 1.
- Queck, Frederic, Monroe, Mich. Waterproofing fibrous product and producing the same. 1,777,447; Oct. 7.
- Queen, Harold, Berkeley, Calif. Goggles. 1,769,606; July 1.
- Queen, James M. (See Posey, Alfred W., assignor.)
- Queen, John J., Charlotte, N. C. Regulating the level of fluid in sizing vats and the like. 1,749,111; Mar. 4.
- Queen, Walter K., Needham Heights, Mass. Making packing rings. 1,772,758; Aug. 12.
- Queeney, Frank E. (See Masury, A. F., Jupp, and Queeney.)
- Queeney, Frank E., Teaneck, assignor to International Motor Company, New York, N. Y. Gas electric drive. 1,752,931; Apr. 1.
- Queens Typewriter & Stationery Corp. (See Brown, Alexander P., assignor.)
- Quelch, George C., Oakmont, Pa., assignor to International Oxygen Company, Newark, N. J. Mixer for cutting torches. 1,745,190; Jan. 28.
- Quelch, George C., Oakmont, Pa., assignor to International Oxygen Company, Newark, N. J. Cutting torch. 1,771,511; July 29.
- Quensel, Lester S., Santa Barbara, and F. A. Stephens, Los Angeles, Calif. Heat exchanger. 1,746,497; Feb. 11.
- Quentell, William P., Washington, D. C. Typewriting machine. 1,745,380; Feb. 4.
- Querfurth, Wilhelm, Bruchhausen, near Arnsberg, assignor to Holzverkohlungs-Industrie Aktien-Gesellschaft, Konstanz (Badenia), Germany. Refining wood-spirit oils. 1,759,369; May 20.
- Querry, Lester G., Huntingdon, Pa. Steerable tail skid for aeroplanes. 1,745,808; Feb. 4.
- Quick, Charles F., and G. W. Tamsitt, Dallas, Tex. Relay. 1,742,875; Jan. 7.
- Quick, Floyd R., Fort Dodge, Iowa, assignor to United States Gypsum Company, Chicago, Ill. Conveyor mechanism. 1,786,779; Dec. 30.
- Quick, Herbert. (See Cooper, W. R., and Quick.)
- Quick, William, North Ealing, London, S. E. Thomas, Hounslow, and F. W. Berwick, Streatham Hill, London, England. Window-control device. 1,770,087; July 8.
- Quickert, Fred F., Gilroy, Calif. Velocipede. 1,761,679; June 3.
- Quigan, Frank J., Jackson Heights, N. Y. Hand bag. Des. 80,870; Apr. 1.
- Quizan, Frank J., Jackson Heights, N. Y. Hand bag and frame therefor. 1,784,748; Dec. 9.
- Quigg, Richard M., Miami, Fla. Can opener. 1,759,364; May 20.
- Quiggin, Harry, and J. Wood, assignors to C. H. McKeon, Cleveland, Ohio. Container. 1,757,814; May 6.
- Quiggle, Arthur W., assignor to The Creamette Company, Minneapolis, Minn. Drying macaroni and other products made from a paste of flour and water. 1,756,992; May 6.
- Quigley, Charles G., Garfield, Utah. Reagent for use in concentration of ores. 1,771,550; July 29.
- Quigley, Charles G., Garfield, Utah. Concentration of ores. 1,773,787; Aug. 26.
- Quigley, David F., assignor to Conrad Shoe Company, Brockton, Mass. Shoe. Des. 82,281; Oct. 14.
- Quigley, Edward J., Newark, N. J. Dress shirt. 1,749,887; Mar. 11.
- Quigley Furnace Specialties Company. (See Mack, John R., assignor.)
- Quigley, John T., Los Angeles, Calif. Label-holding removable clip for file sheets. 1,742,277; Jan. 7.
- Quigley, Joseph, Norris, Ill. Surveying rod. 1,754,334; Apr. 15.
- Quigley, W. A. (See Goble, Bert G., assignor.)
- Quillen, Wignol E. (See Robinooff, B. S., Paine, and Quillen.)
- Quimby, Charles W., assignor to B. F. Houghton & Company, Philadelphia, Pa. Packing. 1,777,984; Oct. 7.
- Quinan, George E. (See Shoup, G. R., and Quinan.)
- Quinby, Edwin J., Yonkers, N. Y., assignor to Radio Corporation of America. Cutting phonograph records. 1,785,047; Dec. 16.
- Quinlan, Harry F. (See Cooney, John A., assignor.)
- Quinliven, Matthew S., Los Angeles, Calif. Fireplace air heater. 1,783,140; Nov. 25.
- Quinn, Charles H., San Francisco, Calif. Control mechanism. 1,743,621; Jan. 14.
- Quinn, Edward J., assignor to Morgan Construction Company, Worcester, Mass. Bumper. 1,743,047; Jan. 7.
- Quinn, Edward J., assignor to Morgan Construction Company, Worcester, Mass. Conveying mechanism. 1,762,307; June 10.
- Quinn, John E., New York, N. Y. Stocking. Des. 80,287; Jan. 7.
- Quinn, John P. (See Seery, S. W., and Quinn.)
- Quinn, Joseph, Brooklyn, N. Y. Cutter tool. 1,785,978; Dec. 23.
- Quinn, Joseph F., Burlingame, assignor to Geo. W. Caswell Co., San Francisco, Calif. Coffee-roasting machine. 1,759,955; May 27.
- Quinn, Nelson J. (See Rakestraw, Lawrence M., assignor.)
- Quinn, Paul W., Brooklyn, N. Y. License-plate holder. 1,757,587; May 6.
- Quinn, Thomas, and J. F. Aites, Rimersburg, Pa. Valve for wells. 1,753,276; Apr. 8.
- Quinnan, Richard W., assignor to Hudson Motor Car Company, Detroit, Mich. Loading deck for automobiles. 1,769,387; July 1.
- Quint, John J., assignor to W. C. McDonough, Topeka, Kans. Tool for extracting bushings. 1,746,280; Feb. 11.
- Quintard, Daniel S., New York, N. Y. Curtain or portiere holder. 1,786,365; Dec. 23.
- Quinteros, Eduardo F., Buenos Aires, Argentina. Submarine saving device. 1,766,837; June 24.
- Quintiliani, Arturo, and L. Pinoschi, Rome, Italy. Method and apparatus for the simultaneous recording or reproduction of motion and sound. 1,760,718; May 27.
- Quipp, Carolyn H. (See Stephen, James, assignor.)

- Quirk, Mary K., et al. (See Hope, Charles S., assignor.)
- Quiroz, Francesco A., New York, N. Y., and J. P. Leask, Glenbrook, Conn., assignors to Peabody Engineering Corporation. Viscosity regulator. 1,743,620; Jan. 14.
- Quisenberry, James H., assignor of one-half to R. S. Johnson, Louisville, Ky. Electro holder. 1,784,075; Dec. 9.
- Quisling, Sverre, Madison, Wis. Propulsion mechanism. 1,743,978; Jan. 14.
- Quisling, Sverre, Madison, Wis. Portable sanitary drinking fountain. 1,781,599; Nov. 11.
- Qulia, Arthur J., Syracuse, N. Y., assignor to E. Rickersberg. Spraying apparatus. 1,758,761; May 13.
- Quisling, Sverre, Madison, Wis. Combined automobile headrest and strap hanger. 1,781,600; Nov. 11.
- Quist, Irving E., Warren, Minn. Cable guard. 1,777,181; Sept. 30.
- R. B. Patent Corporation. (See Burnelli, Vincent J., assignor.)
- R. C. Can Company. (See Rutkowski, Walter L., assignor.)
- R. E. H. Incorporated. (See Miller, Richard B., assignor.)
- R. & G. Company. (See Anderson, Louis A., assignor.)
- R-K Mfg. Co. (See Rouse, John H.)
- R. M. Company. (See Murray, Howard J., assignor.)
- R. M. Company. (See Rugg, W. S., and Murray, assignor.)
- Raab, Leopold, Vienna, assignor, by mesne assignments, to Austro Daimler-Puchwerke Aktiengesellschaft, Wiener-Neustadt, Austria. Chassis for motor vehicles. 1,773,318; Aug. 19.
- Raab, Owen E., Seattle, Wash. Bottle. 1,759,866; May 27.
- Rabald, Willy. (See Bausen, Friedrich, assignor.)
- Rabel, Anthony G. (See Witzal, A. Rabel, and Stevens.)
- Rabenschlag, Karl, Velbert, Germany. Toy repeating pistol. 1,770,996; July 22.
- Rabert, José S., Barcelona, Spain. Spinning and twisting machine. 1,774,666; Sept. 2.
- Rabert, José S., Barcelona, Spain. Spinning and twisting machine. 1,785,560; Dec. 16.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,742,783; Jan. 7.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,742,784; Jan. 7.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,768,330; June 24.
- Rabazzana, Hector, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich. Automatic plating machine. 1,769,188; July 1.
- Rabidoux, Charles J., and W. M. Einhorn, Blue Island, Ill. Tire rim. 1,747,949; Feb. 18.
- Rabinowitz, Israel M., Montreal, Quebec, assignor to The Montreal General Hospital, Montreal, Canada. Apparatus for diagnosing human ailments. 1,783,451; Dec. 2.
- Rabinowitz, Benjamin, Brooklyn, N. Y. Cutting machine. 1,745,504; Feb. 4.
- Rabinowitz (née Brier), Bertha, Brooklyn, N. Y. Apparatus for washing vegetables. 1,767,615; June 24.
- Rabkin, William, New York, N. Y. Coin-slot guard. 1,755,270; Apr. 22.
- Rabkin, William, New York, N. Y. Coin-slot guard. 1,757,387; May 6.
- Rabold, George, sr., McKeesport, Pa., assignor to National Tube Company. Apparatus for punching holes in the closed ends of drawn-metal cylinders and the like. 1,746,498; Feb. 11.
- Rabsilber, William, New York, N. Y., assignor to C. Roberts, Naugatuck, Conn. Electrical-cord support. 1,759,417; May 20.
- Rabun, George D., assignor to Cheatham Electric Switching Device Company, Louisville, Ky. Trolley-wire contactor. 1,786,449; Dec. 30.
- Raby, Guy, Vermont, Ill. Wheel-cleaning attachment for tractors. 1,763,984; June 17.
- Race, Harold L., Idalia, Colo. Net support for campers' cots. 1,751,290; Mar. 18.
- Rachlin, Max, Brooklyn, N. Y. Eaves trough. Des. 82,957; Dec. 30.
- Rachor, Joseph. (See Wagner, H., Sohst, and Rachor.)
- Racicot, Arthur H., Webster, Mass. Handle. 1,747,647; Feb. 18.
- Racine Confectioners' Machinery Company. (See Cahoon, Edward E., assignor.)
- Racine Tool & Machine Company. (See Toohey, J. S., and Erskine, assignors.)
- Rackow, Arthur E., Campbellsport, Wis. Tractor-clutch throw-out means. 1,767,396; June 24.
- Racz, Ernest, assignor to Burroughs Adding Machine Company, Detroit, Mich. Chair. 1,756,210; Apr. 29.
- Rada, Joseph, assignor to The Goss Printing Press Co., Chicago, Ill. Matrix-rolling machine. 1,743,902; Jan. 14.
- Radabaugh, Floyd E., Pleasant Ridge, Mich. License-plate holder. 1,751,947; Mar. 25.
- Radbruch, Franz C. T., Lubeck, Germany. Apparatus for closing milk bottles with cardboard disks. 1,768,629; July 1.
- Radburne, John W., Rushden, England. Grooving or scoring leather. 1,776,042; Sept. 16.
- Radcliffe, Frank P., Fairmont, W. Va. Signal. 1,783,855; Dec. 2.
- Raddatz, Richard. (See Rogers, H. S., and Raddatz.)
- Rader, Earl D., Bedford Township, Westchester County, assignor to Dexter Folder Company, New York, N. Y. Paper-folding machine. 1,746,444; Feb. 11.
- Rader, Earl D., Bedford, assignor to Dexter Folder Company, New York, N. Y. Bookmaking method. 1,777,448; Oct. 7.
- Rader, Robert J., New Rochelle, N. Y. Collapsible tube. 1,779,216; Oct. 21.
- Radermacher, Lawrence J. (See Goetz, J., and Radermacher.)
- Radford, Chester E., Orlando, assignor of one-half to A. W. Hayes, Orlando, Fla., and one-half to F. P. Stevens, Lake Placid, N. Y. Fireplace heating furnace. 1,773,858; Aug. 26.
- Radford, George, Apponaug, assignor to Richmond Lace Work, Inc., Alton, R. I. Lace. Des. 81,018; Apr. 22.
- Radford, George S. (See Mijer, P., Scott, and Radford.)
- Radford, Lawrence, Washington, D. C., and N. Davis, deceased, Lee Heights, Va.; M. E. Davis, administratrix, assignors to The American Sextant Corporation. Sextant. 1,743,979; Jan. 14.
- Radiant Lighting Fixture Co. (See Bohl, Hugo, assignor.)
- Radiart Laboratories, Inc. (See Cook, Joel R., assignor.)
- Radiker, Francis, Ingram, Wis. Animal trap. 1,747,950; Feb. 18.
- Radio Cabinet Manufacturing Corporation. (See Mowitz, Albert, C., assignor.)
- Radio Condenser Company. (See Cramer, Stanley S., and R. E., assignors.)
- Radio Condenser Company. (See Gilling, Preston E., assignor.)
- Radio Corporation of America. (See Adams, George G., assignor.)
- Radio Corporation of America. (See Alexanderson, Ernst F. W., assignor.)
- Radio Corporation of America. (See Batterman, Ludwig, assignor.)
- Radio Corporation of America. (See Bol, Cornelis, assignor.)
- Radio Corporation of America. (See Bol, C., and Numans, assignors.)
- Radio Corporation of America. (See Bol, C., and van der Pol, assignors.)
- Radio Corporation of America. (See Brandsma, W. F., Dijksterhuis, Sizoo, and Jonas, assignors.)
- Radio Corporation of America. (See Briggs, Loyd A., assignor.)
- Radio Corporation of America. (See Cady, Walter G., assignor.)
- Radio Corporation of America. (See Clough, Newsome H., assignor.)
- Radio Corporation of America. (See Davis, Wilfred J., assignor.)
- Radio Corporation of America. (See Dijksterhuis, P. R., and Groeneveld, assignors.)
- Radio Corporation of America. (See Drury, William W., assignor.)
- Radio Corporation of America. (See East, Thomas A., assignor.)
- Radio Corporation of America. (See Ewen, Harry A., assignor.)
- Radio Corporation of America. (See Fay, Richard D., assignor.)
- Radio Corporation of America. (See Finch, James L., assignor.)
- Radio Corporation of America. (See Fitch, Clyde J., assignor.)
- Radio Corporation of America. (See Franklin, Charles S., assignor.)
- Radio Corporation of America. (See Franklin, C. S., and Witt, assignors.)
- Radio Corporation of America. (See Franklin, C. S., Witt, Wright, and Smith, assignors.)
- Radio Corporation of America. (See Gage, Edward G., assignor.)
- Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
- Radio Corporation of America. (See Goldsmith, A. N., and Weinberger, assignors.)
- Radio Corporation of America. (See Goldsmith, A. N., and Shapiro, assignors.)
- Radio Corporation of America. (See Green, Ernest, assignor.)
- Radio Corporation of America. (See Hansell, Clarence W., assignor.)
- Radio Corporation of America. (See Holst, Gilles, assignor.)
- Radio Corporation of America. (See Karolus, August, assignor.)
- Radio Corporation of America. (See Koomans, Nicolaas, assignor.)
- Radio Corporation of America. (See Kroger, Fred H., assignor.)
- Radio Corporation of America. (See Larsen, Gautier H. T., assignor.)
- Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
- Radio Corporation of America. (See Loewe, Siegmund, assignor.)
- Radio Corporation of America. (See Loftin, Edward H., assignor.)
- Radio Corporation of America. (See McLachlan, Norman W., assignor.)
- Radio Corporation of America. (See Minton, J. P., and Ringel, assignors.)

- Radio Corporation of America. (See Morehouse, Francis G., assignor.)
- Radio Corporation of America. (See Moulton, Albert B., assignor.)
- Radio Corporation of America. (See Numans, Johannes J., assignor.)
- Radio Corporation of America. (See Pasternak, Martin, assignor.)
- Radio Corporation of America. (See Peterson, Harold O., assignor.)
- Radio Corporation of America. (See Pfautz, Christian E., assignor.)
- Radio Corporation of America. (See Quinby, Edwin J., assignor.)
- Radio Corporation of America. (See Ranger, Richard H., assignor.)
- Radio Corporation of America. (See Rehfield, Grover G., assignor.)
- Radio Corporation of America. (See Roberts, Walter Van B., assignor.)
- Radio Corporation of America, The. (See Round, Henry J., assignor.)
- Radio Corporation of America. (See Round, H. J., and Rust, assignors.)
- Radio Corporation of America. (See Shapiro, Lazarus, assignor.)
- Radio Corporation of America. (See Slee, John A., assignor.)
- Radio Corporation of America. (See Spencer, Richard K., assignor.)
- Radio Corporation of America. (See Tennant, John W., assignor.)
- Radio Corporation of America. (See Thomas, Adolph A., assignor.)
- Radio Corporation of America. (See Tierney, Samuel, jr., assignor.)
- Radio Corporation of America. (See Tuska, Clarence D., assignor.)
- Radio Corporation of America. (See van der Hoeven, Gerrit, assignor.)
- Radio Corporation of America, The. (See van der Pol, Balhasar, assignor.)
- Radio Corporation of America. (See Van Dyck, A. F., and Guber, assignors.)
- Radio Corporation of America. (See Van Dyck, Arthur F., assignor.)
- Radio Corporation of America. (See Van Horne, John S., assignor.)
- Radio Corporation of America. (See Vermeulen, R., Van Urk, and Hermans, assignors.)
- Radio Corporation of America. (See von Ardenne, Manfred, assignor.)
- Radio Corporation of America. (See von Ardenne, M., and Heinert, assignors.)
- Radio Corporation of America. (See Weinberger, Julius, assignor.)
- Radio Corporation of America. (See Weinberger, J., and Wolff, assignors.)
- Radio Corporation of America. (See White, Sidney Y., assignor.)
- Radio Corporation of America. (See Willard, Theodore A., assignor.)
- Radio Corporation of America. (See Wolff, Irving, assignor.)
- Radio Corporation of America. (See Yagi, Hidetsugu, assignor.)
- Radio Corporation of America. (See Ziola, Henry A., assignor.)
- Radio Electric Clock Corporation. (See Casner, Thaddeus S., assignor.)
- Radio Frequency Laboratories, Incorporated. (See Ballantine, Stuart, assignor.)
- Radio Frequency Laboratories, Incorporated. (See Drake, Frederick H., assignor.)
- Radio Frequency Laboratories, Incorporated. (See Hull, Lewis M., assignor.)
- Radio Frequency Laboratories, Inc. (See Snow, H. A., and Loughlin, assignors.)
- Radio Inventions, Inc. (See Donle, Harold P., assignor.)
- Radio Inventions, Inc. (See Hogan, John V. L., assignors.)
- Radio Patents Corporation. (See Dubiller, William, assignor.)
- Radio Patents Corporation. (See Gage, Edward G., assignor.)
- Radio Patents Corporation. (See Pfaffner, Emil, assignor.)
- Radio Patents Corporation. (See Richter, Rudolf, assignor.)
- Radio Patents Corporation. (See Schmierer, Johannes M., assignor.)
- Radio Patents Corporation. (See Schmierer, Michel, assignor.)
- Radio Patents Corporation. (See Vawter, Charles E., assignor.)
- Radio Television Company, The. (See McIlvalne, Oran T., assignor.)
- Radiore Company, The. (See Guilford, Edward H., assignor.)
- Radiovision Corporation. (See Wein, Samuel, assignor.)
- Raditsch, Carl, Camden, N. J. Gas iron. 1,768,145; June 24.
- Radium Emanation Corporation, The. (See Muir, Joseph, assignor.)
- Radke, Frederick E., Laurelton, N. Y. Door-latching mechanism. 1,778,687; Oct. 14.
- Radloff, Erwin E., and W. Janke, assignors to C. B. Henschel Mfg. Co., Milwaukee, Wis. Attachment for bronzing machines. 1,782,881; Nov. 25.
- Radloff, Johannes, Berlin, Germany, assignor to General Electric Company. Piston for internal-combustion engines. 1,783,054; Nov. 25.
- Radnor, Jess C. (See Smoot, Jesse C.)
- Radó, Charles, Budapest, Hungary. Crown-slitting pliers. 1,786,127; Dec. 23.
- Radtke, Bruno, Libertyville, assignor to Mills Novelty Company, Chicago, Ill. Self-playing stringed instrument. 1,751,248; Mar. 18.
- Radtke, Bruno, Libertyville, Ill., assignor to Mills Novelty Company. Weighing scale. 1,767,186; June 24.
- Rae, Frank B., Berkeley, Calif. Signal system. 1,749,444; Mar. 4.
- Rae, Julio H. (See Rae, Julio H., assignor.)
- Rae, Julio H., assignor of ninety-five one-hundredth to J. H. Rae, Dayton, Nev. Cosmetic device. 1,776,981; Sept. 30.
- Raetz, Edwin M., Rochester, Minn. Heater for automobiles. 1,745,711; Feb. 4.
- Raetz, Guglielmo, Cordenons, Italy. Apparatus for making weaving knots. 1,783,001; Nov. 25.
- Raetz, Stephen J., and W. J. Greene, Proctor, Minn. Safety valve for injector overflow. 1,764,181; June 17.
- Rafalski, Walter, Philadelphia, Pa. Bathtub attachment. 1,784,749; Dec. 9.
- Raff, Nathan. (See Wein, Samuel, assignor.)
- Raffaelli Trading Co. Inc. (See Raffaelli, Viola, assignor.)
- Raffaelli, Viola, New York, N. Y., assignor to Raffaelli Trading Co., Inc. Combined lamp base and body. Des. 80,854; Apr. 1.
- Raffaelli, Viola, New York, N. Y., assignor to Raffaelli Trading Co., Inc. Combined lamp base and body. Des. 81,454; June 24.
- Raffaelli, Viola, New York, N. Y., assignor to Raffaelli Trading Co. Inc. Candlestick or article of analogous nature. Des. 82,107; Sept. 23.
- Raffelson, David. (See Marsack, Max N. and S., and Raffelson.)
- Rafferty, Charles D., Sault Ste. Marie, Ontario, Canada. Locomotive-whistle-operating mechanism. 1,754,046; Apr. 8.
- Raffinerie Tirllemontoise Societe Anonyme. (See Bergé, Julien, assignor.)
- Rafter, Albert, assignor to Rafter Machine Company, Belleville, N. J. Die holder. 1,778,339; Oct. 14.
- Rafter Machine Company. (See Rafter, Albert, assignor.)
- Raffrey, Clarence A., Chelsea, assignor to Motor Products Corporation, Detroit, Mich. Wind deflector. 1,778,276; Oct. 14.
- Ragan, Joseph W., Hannibal, Mo. Attachment for hair clippers. 1,779,106; Oct. 21.
- Ragland, Jack R., assignor of one-third to A. F. Hubbert and one-third to G. A. Crittenden, Los Angeles, Calif. Display counter. 1,767,397; June 24.
- Ragland, William T., assignor to Robert G. Lassiter & Co., Raleigh, N. C. Preparing paving material. 1,773,788; Aug. 26.
- Ragoucy, Alexis C., Bourgoin, France. Construction of furnace or oven arches. 1,750,355; Mar. 11.
- Ragozzino, Raphael. (See Lauro, Joseph, assignor.)
- Ragsdale, Charles M., Louisville, Ky. Key case. 1,766,801; June 24.
- Ragsdale, Charles R., St. Louis, Mo. Draft arm for soda fountains. 1,746,317; Feb. 11.
- Ragsdale, Charles R., St. Louis, Mo. Steering guide for automobiles. 1,771,817; July 29.
- Ragsdale, Earl J. W., Norristown, assignor to Budd Wheel Company, Philadelphia, Pa. Brake-control mechanism. 1,753,966; Apr. 8.
- Ragsdale, William H., Silver Spring, Md. Piston and rings. 1,750,356; Mar. 11.
- Raguha-Anhalter Metallocheri m. b. H., The. (See Ergang, Adolf, assignor.)
- Rah, Joseph, assignor to G. & W. Electric Specialty Company, Chicago, Ill. Distribution box. 1,762,485; June 10.
- Rah, Joseph, assignor to G. & W. Electric Specialty Co., Chicago, Ill. Distribution box for cables of same polarity. 1,762,525; June 10.
- Rah, Joseph, assignor to G. & W. Electric Specialty Co., Chicago, Ill. Distribution-box arrangement. 1,775,694; Sept. 16.
- Rah, Joseph, assignor to G. & W. Electric Specialty Co., Chicago, Ill. Conductor disconnecter arrangement. 1,782,547; Nov. 25.
- Rah, Joseph, assignor to G. and W. Electric Specialty Company, Chicago, Ill. Insulating joint. 1,784,881; Dec. 16.
- Rahe, William, Cincinnati, Ohio. Automobile bumper. 1,743,391; Jan. 14.
- Rahm, Robert C., Wyomissing, assignor to Berks Engineering Company, Inc., Reading, Pa. Dyeing process and mechanism. 1,756,067; Apr. 29.
- Rahr, Chester E., Brookline, assignor to The Flintkote Company, Boston, Mass. Making pancake or built-up sheet leather. 1,756,993; May 6.
- Rahr, Chester E., Brookline, assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Multicolor strip shingle and making the same. 1,758,059; May 13.

- Bahr, Chester E., Brookline, assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing. 1,759,999; May 27.
- Bahr, Chester E., Brookline, assignor to The Flintkote Company, Boston, Mass. Wall board. 1,772,686; Aug. 12.
- Bahr, Chester E., Brookline, assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing. 1,773,117; Aug. 19.
- Raiche, Harvey O. (See Linn, C. W., Bigelow, and Raiche.)
- Raiche, Paul A., Providence, R. I. Dipping or coating apparatus. 1,774,453; Aug. 26.
- Rail Joint Company, The. (See Armstrong, Victor C., assignor.)
- Rail Joint Company, The. (See Braine, Daniel L., assignor.)
- Rail Joint Company, The. (See Clodfelter, George M., assignor.)
- Rail Joint Company, The. (See Disbrow, Clarkson A., assignor.)
- Rail Joint Company, The. (See Markley, Milton, assignor.)
- Rail Joint Company, The. (See Schermerhorn, Edwards F., assignor.)
- Rail Joint Company, The. (See Thomson, William P., assignor.)
- Railroad Supply Company, The. (See Fox, Morris J., assignor.)
- Railway Devices Company. (See Campbell, Sterling H., assignor.)
- Railway Devices Company. (See Hoerr, Louis A., assignor.)
- Railway Improvement Company. (See Ferguson, George F., assignor.)
- Railway and Industrial Engineering Company. (See Koppitz, Carl G., assignor.)
- Railway Locomotor Company. (See Faverty, Clyde B., assignor.)
- Railway Maintenance Corporation. (See McWilliams, James B., assignor.)
- Railway Metal Products Company. (See Sisson, Vinton E., assignor.)
- Railway Maintenance Cororation. (See Stall, William S., assignor.)
- Railway Safety Switch Lock Company. (See Adams, Arthur A., assignor.)
- Railway Service & Supply Corporation. (See Grisbaum, Leonard D., assignor.)
- Railway Service and Supply Corporation. (See Pearce, Edwin S., assignor.)
- Raimondi, Gaetano, New York, N. Y. Land and water vehicle. 1,752,200; Mar. 25.
- Raimondi, Vito O., Chicago, Ill. Novelty top. 1,783,627; Dec. 2.
- Rainaud, H. E., Company, The. (See Gerschefski, Otto J., assignor.)
- Rainbow Light, Inc. (See Machlett, Raymond R., assignor.)
- Rainey, Austin E., Grove City, Pa. Coaster wagon. 1,742,518; Jan. 7.
- Railey, Clifton K., Knoxville, Tenn. Typewriter escapement mechanism. 1,755,514; Apr. 22.
- Railey, James C., Grove City, Pa. Traffic-signal casing. Des. 81,939; Sept. 2.
- Railey, James W., St. Louis, Mo. Hair drier. 1,762,588; June 10.
- Railey, Thomas S., New Orleans, La. Suspension hook. 1,757,875; May 6.
- Rains, Joshua C., Houston, assignor of one-third to J. F. Bashara, Harris County, Tex., and one-third to Aubrey Pariss. Draw-works brace. 1,762,740; June 10.
- Raithel, John G., Little Falls, N. Y. Convertible gear for vehicles. 1,762,741; June 10.
- Raiziss, George W., Philadelphia, Pa., assignor to Abbott laboratories, North Chicago, Ill. Producing a mercury compound of 4-nitro-ortho-cresol and the product thereof. Re17,563; Jan. 14.
- Rajah Company, The. (See Berthold, George H. E., assignor.)
- Rakestraw, George W. (See Shaw, Thomas P.)
- Rakestraw, Lawrence M., assignor of one-half to N. J. Quinn, Toledo, Ohio. Sterilizer for bottles. 1,758,537; May 13.
- Rakula, Theodor. (See Herlach, F., and Rakula.)
- Ralco Manufacturing Company. (See Lofgren, John, assignor.)
- Raleigh, Walter P., Ames, Iowa, assignor to Pittsburgh Plate Glass Company. Disinfecting seeds. 1,764,888; June 17.
- Ralph, Edward D., Floral Park, Long Island, N. Y. Apparatus and method of making dentures. 1,753,965; Apr. 8.
- Ralph, Fred C., and C. Outwait, Erie, Pa. Bird trap. 1,754,864; Apr. 15.
- Ralph, Walter M., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Production of acetyl-cleaves acid. 1,778,914; Oct. 21.
- Ralston, Frank L., La Grande, Oreg. Detachable bladed scissors. 1,783,583; Dec. 2.
- Ralston, Hurley D., Oak Park, assignor of forty per cent to R. J. Blum, River Forest, Ill. Electrical element. 1,750,492; Mar. 11.
- Ramage, Alexander S., Detroit, Mich. Oxidized resin and making same. 1,752,693; Apr. 1.
- Ramage, Alexander S., Detroit, Mich., assignor to The Ozonide Corporation. Production of gas and aromatic hydrocarbons from heavy hydrocarbon oils. 1,752,692; Apr. 1.
- Ramage, Alexander S., Detroit, Mich., assignor, by mesne assignments, to Gyro Process Corporation. Refining hydrocarbon oils. 1,771,350; July 22.
- Ramage, John H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Thoriated tungsten filament. 1,764,644; June 17.
- Ramapo Ajax Corporation. (See Eastburn, Samuel L., assignor.)
- Ramar Syndicate Incorporated. (See Marr, Robert A., assignor.)
- Rambaud, John P. (See Perez, M. V., and Rambaud.)
- Ramdor, Leopold, Falkensee, Berlin, Germany. Strip-feeding mechanism. 1,750,357; Mar. 11.
- Ramer, Ralph J. (See Stribling, Jesse C., assignor.)
- Ramey, John G., Rome, Ga. Indicator lock. 1,757,020; May 6.
- Ramey, Winfield S., Utica, Ohio. Retaining device or form when excavating. 1,768,146; June 24.
- Ramm, Karl, New Britain, Conn. Wind rotor. 1,753,302; Apr. 8.
- Rammelkamp, Erich, assignor to Chemisch-Technische Gesellschaft m. b. H., Duisberg, Germany. Apparatus for the carbonization of fuel. 1,775,570; Sept. 9.
- Ramos, Rudolph. (See Fujii, S., Yamaki and Ramos.)
- Ramp Buildings Corporation. (See Williams, James F., assignor.)
- Rampacher, Fritz, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Locomotive drive mechanism. 1,764,348; June 17.
- Ramsay, Robert, Sand Springs, Okla. Positive pipe tongs. 1,768,787; July 1.
- Ramsay, William. (See Martin, F. G., and Ramsay.)
- Ramsay, William, Dunfermline, Scotland, assignor to Golding Bros. Company, New York, N. Y. Textile fabric or similar article of manufacture. Des. 81,255; May 27.
- Ramsay, William, Washington, D. C. Therapeutic device. 1,747,986; Feb. 18.
- Ramsay, William A. (See Johnson, H., and Ramsay.)
- Ramsay, William A., assignor to W. A. Ramsay, Limited, Honolulu, Hawaii. Sugar-cane sling. 1,771,314; July 22.
- Ramsay, William A., Limited. (See Ramsay, William A., assignor.)
- Ramsburg, Charles J., assignor to The Koppers Company, Pittsburgh, Pa. Gas-purification process. 1,743,479; Jan. 14.
- Ramsdell, Russell, Poughkeepsie, N. Y., assignor, by mesne assignments, to Pilot Radio & Tube Corporation, Lawrence, Mass. Tube shield. 1,782,443; Nov. 25.
- Ramsdell, Russell, Poughkeepsie, N. Y., assignor, by mesne assignments, to Pilot Radio & Tube Corporation, Lawrence, Mass. Inductance. 1,782,444; Nov. 25.
- Ramsden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 1,746,224; Feb. 4.
- Ramsden, John T., Philadelphia, Pa., assignor to The Tabor Manufacturing Company. Locking means for swing yokes for molding machines. 1,748,729; Feb. 25.
- Ramsden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 1,755,704; Apr. 22.
- Ramseier, Edward F., Edberg, Alberta, Canada. Hitch for agricultural implements. 1,756,305; Apr. 29.
- Ramsey, Allan, assignor to Schweitzer & Conrad, Chicago, Ill. Insulator cap. 1,767,398; June 24.
- Ramsey, Clifford H., Glen Rock, N. J. Lubricating system. 1,778,432; Oct. 14.
- Ramsey, Edward J., New York, N. Y. Stitch-down shoe. 1,773,406; Aug. 19.
- Ramsey, Edwin L., and John S., Chicago, Ill. Ingot mold. 1,775,473; Sept. 9.
- Ramsey, Eleanor M., executrix. (See Valentine, K. L., and Ramsey.)
- Ramsey, Garrie C., Lebanon, N. J. Railway tie. 1,765,613; June 24.
- Ramsey, George. (See Chisholm, Charles F., assignor.)
- Ramsey, George. (See Valentine, K. L., and Ramsey.)
- Ramsey, George, Brooklyn, N. Y. Vacuum tank. 1,756,034; Apr. 29.
- Ramsey, Millard F., Achille, Okla. Cabinet. 1,769,857; July 1.
- Ramsey, William H., Corpus Christi, Tex. Sign. 1,768,331; June 24.
- Ramstead, Charles, Okmulgee, Okla. Flat-rim sink. 1,778,300; Oct. 14.
- Ramstein, Jean, Los Angeles, Calif. Eye protector. 1,777,701; Oct. 7.
- Ramunno, Charlie, El Moro, Colo. Automatic flood gate. 1,776,371; Sept. 23.
- Ramy, Paul, Brussels, Belgium. Device for securing railway rails to their sleepers. 1,771,191; July 22.
- Ranck, Edward B., Altoona, Pa. Relief valve. 1,786,918; Dec. 30.
- Rand, Benjamin G., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Index for telephone-exchange desks. 1,749,228; Mar. 4.
- Rand, James H., North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index device. 1,745,119; Jan. 28.

- Rand, James H., North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index device. 1,749,229; Mar. 4.
- Rand, James H., North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index device. 1,756,880; Apr. 29.
- Rand, James H., North Tonawanda, assignor to Remington Rand Inc., New York, N. Y. Index device. 1,767,257; June 24.
- Rand, James H., jr., Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or record cabinet or the like. 1,774,237; Aug. 26.
- Rand, James H., jr., Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Card index. 1,774,238; Aug. 26.
- Rand, James H., North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index device. 1,774,240; Aug. 26.
- Rand, James H., North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index holder. 1,774,241; Aug. 26.
- Rand, James H., jr., Tonawanda, and L. C. Broecker, Buffalo, assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or record device. 1,756,879; Apr. 29.
- Rand, James H., jr., Tonawanda, and L. C. Broecker, Buffalo, assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Record cabinet. 1,774,239; Aug. 26.
- Randall, Claude H., Beardstown, Ill. Stand for outboard motors. 1,777,935; Oct. 7.
- Randall Company, The. (See Randall, Howard D., assignor.)
- Randall Control & Hydrometric Corporation. (See Kalte, Fred E., assignor.)
- Randall, Cyril E., and L. R. Thompson, assignors to J. C. Savage, London, England. Optical apparatus for projecting illuminated signs upon screens. 1,750,785; Mar. 18.
- Randall, Edwin A. (See Cox, J. W., and Randall.)
- Randall, Eugene F., Brooklyn, N. Y., assignor to The Amrad Corporation, Medford, Mass. Gas-supply-control system. 1,770,012; July 8.
- Randall, Howard D., assignor to The Randall Company, Cincinnati, Ohio. Welding machine. 1,750,050; Mar. 11.
- Randall, Howard D., assignor to The Randall Company, Cincinnati, Ohio. Flock-coated window guide. 1,772,912; Aug. 12.
- Randall, James W. H., New York, N. Y., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Laminated glass and producing the same. 1,748,079; Feb. 25.
- Randall, John, Cleveland, Ohio. Apparatus for cleaning edible animal tissues. 1,781,301; Nov. 11.
- Randall, Joseph W., assignor to Davis & Furber Machine Company, North Andover, Mass. Spindle drive for spinning frames. 1,762,351; June 10.
- Randall, Meredith S. (See Woodall, H. J., and Randall.)
- Randall, Norman E., assignor to Columbia Narrow Fabric Company, Shannock, R. I. Textile fabric. Des. 82,176; Sept. 30.
- Randell, Ralph R., Washington, D. C. Floating station. 1,749,958; Mar. 11.
- Randerson, John E. H., Albany, N. Y. Package of toilet paper. 1,780,275; Nov. 4.
- Randle, Harry T., Lawrence, Kans. Garage construction. 1,772,110; Aug. 5.
- Randmetz, Theno T., New York, N. Y. Water motor. 1,749,506; Mar. 4.
- Randolph, Charles P., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric heater. 1,742,558 Jan. 7.
- Randolph, Charles P., Oak Park, and F. H. McCormick, Glen Ellyn, assignors to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric supply system. 1,749,718; Mar. 4.
- Randolph, Clifford F., Plainfield, N. J., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Traversing mechanism for radial drills. 1,768,932; July 1.
- Randolph, Donald W., and T. G. McDougal, assignors to A C Spark Plug Company, Flint, Mich. Spark plug. 1,746,051; Feb. 4.
- Randolph, George B., San Antonio, Tex. Lifting device. 1,783,856; Dec. 2.
- Randolph, Leonard M., Newark, N. J. Rotary engine. 1,782,766; Nov. 25.
- Randolph, Oliver W., Toledo, Ohio. Sterilizer. 1,763,538; June 10.
- Randolph, Samuel D., Fort Worth, Tex. Power-saving jack. 1,782,512; Nov. 25.
- Ranes, Alonzo H. (See Manning, Walter G., assignor.)
- Raney, Clemma R., Riverside, and A. E. W. Johnson, assignors to International Harvester Company, Chicago, Ill. Leveling and aligning device for harvester thrashers. 1,748,559; Feb. 25.
- Raney, Clemma R., Riverside, and A. E. W. Johnson, assignors to International Harvester Company, Chicago, Ill. Grain tank for harvester thrashers. 1,751,601; Mar. 25.
- Raney, Clemma R., Riverside, and A. E. W. Johnson, assignors to International Harvester Company, Chicago, Ill. Narrowing harvester-thrashers for transport. 1,769,087; July 1.
- Raney, Clemma R., Riverside, and G. M. Merwin and H. A. Watchek, Chicago, Ill., assignors to International Harvester Company. Ensilage cutter. 1,769,163; July 1.
- Raney, Estel C., Columbus, Ohio. Air cleaner. 1,769,071; July 1.
- Raney, Estel C., Columbus, Ohio. Air cleaner for utilizing mechanisms. 1,769,072; July 1.
- Raney, Hiram C., Kansas City, Mo. Woven-wire-fence stretcher. 1,770,660; July 15.
- Ranger, Richard H., Brooklyn, N. Y., assignor to Radio Corporation of America. Radio receiving system. 1,748,730; Feb. 25.
- Ranger, Richard H., Brooklyn, N. Y. assignor to Radio Corporation of America. Correcting photographic copies for facsimile transmission. 1,755,561; Apr. 22.
- Ranger, Richard H., Brooklyn, N. Y., assignor to Radio Corporation of America. Frequency trap for radio signaling apparatus. 1,757,333; May 6.
- Ranger, Richard H., New York, N. Y., assignor to Radio Corporation of America. Interference-reducing means for radio-receiving apparatus. 1,761,049; June 3.
- Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Recorder for facsimile systems. 1,765,448; June 24.
- Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Method and apparatus for pyrorecording. 1,770,493; July 15.
- Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Air-driven motor control. 1,776,372; Sept. 23.
- Rangitsch, John, St. Paul, Minn. Stippling device. 1,772,520; Aug. 12.
- Ranke, Michael W., Hudson Falls, N. Y. Apparatus for coloring paper stock. 1,773,435; Aug. 19.
- Rankin, Albert L., Baltimore, Md. Composite coating material. 1,778,727; Oct. 21.
- Rankin, Austin M., Stoy, Ill. Valve trip. 1,771,690; July 29.
- Rankin, Carl H., Wellsburg, W. Va., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Feeding mechanism. 1,748,462; Feb. 25.
- Rankin, Dorsey L., Spokane, Wash. Tool kit. 1,761,453; June 3.
- Rankin, Marta P., Beverly Hills, Calif. Garment. 1,774,724; Sept. 2.
- Rankin, William A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Waffle iron. 1,757,334; May 6.
- Rankin, William A., Rochester, N. Y. Binding the ends of electrical conductor cords and to an apparatus used in such method. 1,763,255; June 10.
- Rankin, William K., Scotia, N. Y., assignor to General Electric Company. Electric switch mechanism. 1,751,420; Mar. 18.
- Rankin, William K., Scotia, N. Y., assignor to General Electric Company. Straight-line motion mechanism. 1,754,179; Apr. 8.
- Rankin, William K., Scotia, N. Y., assignor to General Electric Company. Electric-switch-operating mechanism. 1,760,523; May 27.
- Rankin, William K., Scotia, N. Y., assignor to General Electric Company. Pressure retainer and relief device. 1,774,946; Sept. 2.
- Ranney, Willet B., assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Measuring device. 1,780,601; Nov. 4.
- Ransohoff, Nathan, Cincinnati, Ohio. Transmission device. 1,760,210; May 27.
- Ransom, Charles E., St. Louis, Mo. Saw grinder. 1,768,996; July 1.
- Ransom and Company et al. (See Blackwell, Sanford J., assignor.)
- Ransom, William C., Kansas City, Mo. Folding bed. 1,746,906; Feb. 11.
- Ransome, Arthur E., Glencoe, and E. M. Schmidt, Chicago, Ill. Finger ring or similar article. Des. 80,394; Jan. 21.
- Ransome Concrete Machinery Company. (See Bushnell, James E., assignor.)
- Ransome Concrete Machinery Company. (See Faber, John P., assignor.)
- Ranta, Victor, Atlanta, Ga. Aeroplane propeller. 1,772,521; Aug. 12.
- Raphael, Albert, Brooklyn, N. Y. Self-aligning, self-adjusting battery-terminal scraper. 1,774,567; Sept. 2.
- Raphael, Olivius A., Los Angeles, Calif. Extension table. 1,745,270; Jan. 28.
- Raphael, Sylvester, Brooklyn, assignor to Just Right Lock Company, New York, N. Y. Fastening device. 1,765,345; June 17.
- Rapid Electrotpe Company, The (See Temmen, Frank X., assignor.)
- Rapisardi, Alfio, Boston, Mass. Wheeled toy. 1,766,541; June 24.
- Rarig, Weldon C., Robstown, Tex. Tractor. 1,758,584; May 13.
- Rasch, Royal H. (See Richter, G. A., Schur, and Rasch.)
- Rasch, Royal H. (See Schur, M. O., and Rasch.)
- Raschig, Dr. F. (See Raschig, Friedrich, assignor.)
- Raschig, Friedrich, assignor to Dr. F. Raschig, Ludwigshafen-on-the-Rhine, Germany. Manufacturing chlorothymol. 1,769,648; July 1.
- Rask, Olaf S. (See McCollum, E. V., and Rask.)
- Raskin, Jacob, Brooklyn, N. Y. Swinging frame. 1,778,728; Oct. 21.

- Rasmussen, Andrew M., Montrose, Colo. Nozzle support for garden hose. 1,749,302; Mar. 4.
- Rasmussen, Alvin C., assignor to Insley Manufacturing Company, Indianapolis, Ind. Building-material-hoisting apparatus. 1,759,324; May 20.
- Rasmussen, Charles, assignor of one-half to R. T. Ingalls, Racine, Wis. Pipe-threading machine. 1,758,973; May 20.
- Rasmussen, Charles, assignor of one-half to R. T. Ingalls, Racine, Wis. Metal-sawing machine. 1,780,439; Nov. 4.
- Rasmussen, Chris M., Deschutes, Oreg. Stock muzzle. 1,748,027; Feb. 18.
- Rasmussen, Edward C., Chicago, Ill. Accounting table. 1,751,494; Mar. 25.
- Rasmussen, Kristian, Buffalo, N. Y. Drive gear for locomotives. 1,748,244; Feb. 25.
- Rasmussen, Kristian, Buffalo, N. Y. Drive gear for locomotives. 1,773,118; Aug. 19.
- Rasmussen, Ludvig J., Spokane, Wash. Aircraft. 1,770,088; July 8.
- Rasmussen, Nels H., et al. (See Juergens, John, assignor.)
- Rasmussen, Olaf. (See Almen, J. O., and Rasmussen.)
- Rasmussen, Waldemar, South Norwalk, Conn. Curtain-operating mechanism. 1,774,902; Sept. 2.
- Rasp, John, McKeesport, Pa. Extension curtain-rod support. 1,746,740; Feb. 11.
- Rassel, Edward C., Mio, Mich. Railroad tie. 1,785,324; Dec. 16.
- Rassier, Norbert, St. Joseph, Minn. Automatic door-keeper. 1,779,752; Oct. 28.
- Rassogianis, Alex. (See Richards, George, assignor.)
- Raster, Walther, assignor to Justrite Manufacturing Company, Chicago, Ill. Detachably mounting lamps on miners' caps. 1,743,235; Jan. 14.
- Raster, Walther, Chicago, Ill. Knockdown receptacle. 1,757,141; May 6.
- Raster, Walther, assignor to Justrite Manufacturing Company, Chicago, Ill. Waste can. 1,754,802; Apr. 15.
- Rastetter, William C., Fort Wayne, Ind. Folding-table attachment. 1,746,792; Feb. 11.
- Rastetter, William C., Fort Wayne, Ind. Folding chair. 1,755,896; Apr. 22.
- Rastetter, William C., Fort Wayne, Ind. Table top. 1,761,585; June 3.
- Rastetter, William C., Fort Wayne, Ind. Folding table. 1,763,671; June 17.
- Rataiczak, Thomas F., and M. K. Akers, assignors to The Hobart Manufacturing Company, Troy, Ohio. Apparatus for treating foodstuffs. 1,766,942; June 24.
- Ratcliff, Paris W. (See Wertman, O. L., and Ratcliff.)
- Ratcliffe, George L., et al. (See Anderson, Victor H., assignor.)
- Ratcliffe, Myrtle B., Winston-Salem, N. C. Force-feed lubricating device. 1,779,217; Oct. 21.
- Rath, Carl A., Estacada, Oreg. Sound reproducer for the deaf. 1,766,146; June 24.
- Rath, Curt, Berlin, Germany. Manufacture of a compound of isonaphthyridin. 1,755,515; Apr. 22.
- Rath, Curt, assignor to Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Making hydroxy compounds of pyridine. 1,778,784; Oct. 21.
- Rath, Julius, Lippstadt, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Cable-transport drum. 1,786,366; Dec. 23.
- Rath, Karl. (See Bock, W., and Rath.)
- Rath, Wilhelm, New York, N. Y. Washing machine. 1,775,407; Sept. 9.
- Rath, William C., New York, N. Y. Producing gas from garbage. 1,777,449; Oct. 7.
- Rathbun, Edward, Toledo, Ohio. Fuel distributor for combustion engines. 1,770,861; July 15.
- Rathbun, George J., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., and The Rathbun-Jones Engineering Company, Toledo, Ohio. Internal-combustion engine. 1,748,145; Feb. 25.
- Rathbun, John P., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat exchanger. 1,779,890; Oct. 28.
- Rathbun-Jones Engineering Company, The, et al. (See Rathbun, George J., assignor.)
- Rathbun, Ross B., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Electrostatic precipitator. 1,763,010; June 10.
- Rathbun, Sherrill S., Rockville Center, N. Y. Power-transmitting mechanism. 1,745,953; Feb. 4.
- Ratheon Inc. (See Beers, Roland F., assignor.)
- Rather, James B., and L. C. Beard, jr., Brooklyn, assignors to Standard Oil Company of New York, New York, N. Y. Distillate petroleum liquids. 1,776,598; Sept. 23.
- Ratigan, James P., Los Angeles, Calif. Bearing for pump-operating members. Re17,904; Dec. 16.
- Ratigan, James P., Los Angeles, Calif. Saddle. 1,776,953; Sept. 30.
- Ratliff, George D., St. Louis, Mo., assignor to Pioneer Butter Wrapping Machine Company, Jackson, Miss. Wrapping machine. 1,753,868; Apr. 8.
- Ratian Mfg. Co., The. (See Voth, Harry C., assignor.)
- Rattay, Joseph J., assignor of one-half to R. S. Gregroy, Cannondale, Conn. Switch. 1,775,320; Sept. 9.
- Rattigan, Edwin D., Philadelphia, Pa. Hydrant. 1,782,012; Nov. 18.
- Ratto, Joseph, Brooklyn, N. Y. Emergency-brake lever and lock. 1,784,750; Dec. 9.
- Rattray, Esther A. E. (See Stowell, Samuel N., assignor.)
- Ratty, John J., New York, N. Y. Coffee or tobacco humidor. 1,762,030; June 3.
- Ratzan, Michael N. (See Cohan, W. M., and Ratzan.)
- Rau, Edward F., Brooklyn, N. Y. Collapsible furniture crate. 1,769,389; July 1.
- Rau Fastener Company. (See Lane, George W., assignor.)
- Rau, George H., and W. L. Rau, Cleveland, Ohio. Area-way construction. 1,773,641; Aug. 19.
- Rau, Henry V. (See Pierce, G. L., and Rau.)
- Rau, Henry V., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Pronged fastener. 1,756,385; Apr. 29.
- Rau, William G., Louisville, Ky. Door fastening. 1,779,491; Oct. 28.
- Rau, William G., Louisville, Ky. Necktie holder. 1,784,537; Dec. 9.
- Rau, William L. (See Rau, George H. and W. L.)
- Rauber, Heinrich, Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Hand punch. 1,742,216; Jan. 7.
- Rauber, John N., Rochester, N. Y. Form and mold for radius curb sections. 1,745,712; Feb. 4.
- Rauber, John N., Rochester, N. Y. Form and mold. 1,756,473; Apr. 29.
- Rauch, John D., assignor to The Ohio Power Shovel Company, Lima, Ohio. Continuous-tread truck. 1,765,739; June 24.
- Rauch, Max. (See Hammel, Ernst, assignor.)
- Rauen, Carl F., Dayton, Ohio, assignor to Bendix Aviation Corporation, New York, N. Y. Propeller spinner. 1,773,319; Aug. 19.
- Rauf, George, Covington, Ky. Mounting for jewels. Des. 81,887; Aug. 26.
- Rauh, Stanley, New York, N. Y. Mirror. 1,746,225; Feb. 4.
- Raulha, John M., jr., and A. Mattson, Owen, Wis. Rotary valve. 1,782,389; Nov. 18.
- Raule, Clifford T., Brookline, Pa. Drive for high-speed spindles. 1,752,542; Apr. 1.
- Raule, Clifford T., Brookline, Pa. Automatic gauge. 1,771,097; July 22.
- Raule, Clifford T., Brookline, Pa. High-speed bearing. 1,775,408; Sept. 9.
- Raus, John, assignor, by mesne assignments, to The National Formetal Company, Cleveland, Ohio. Fire extinguisher. 1,750,859; Mar. 18.
- Rausch, Gottfried, Ammendorf, near Halle-on-the-Saale, Germany. Dough dividing and working machine. 1,766,943; June 24.
- Rauzières, Pierre E. F., Clamart, France. Tool holder. 1,776,335; Sept. 23.
- Raven, Glenn S., Buffalo, and F. T. Bowen, Lockport, N. Y. Hedge trimmer or similar article. Des. 80,288; Jan. 7.
- Ravenor, Wilfred F., Vancouver, British Columbia, Canada. Oil burner and method of effecting the combustion of oil fuels. 1,761,537; June 3.
- Raviglione, Eugenio, Turin, Italy. Abstract-card system or index. 1,764,580; June 17.
- Ravizza, Louis. (See Samaras, S., and Ravizza.)
- Raw, George. (See Welsh, A., and Raw.)
- Rawleigh, W. T. Company, The. (See Trevillian, William J., assignor.)
- Rawley, Joseph R., New York, N. Y. Identification receptacle for umbrellas and the like. 1,766,454; June 24.
- Rawling, Francis G., Chillicothe, assignor to The Mead Pulp & Paper Company, Dayton, Ohio. Manufacture of pulp. 1,766,944; June 24.
- Rawling, Walter, J. Marshall, and J. B. Rumford, Cessnock, Australia. Apparatus for tipping traveling mine skips. 1,749,354; Mar. 4.
- Rawlings, Jack V., Seattle, Wash., assignor to E. M. Beus, trustee, Soda Springs, Idaho. Gold separator. 1,750,860; Mar. 18.
- Rawlings Manufacturing Company. (See Ingram, William A., assignor.)
- Rawlings Manufacturing Company. (See Nolte, Elmer assignor.)
- Rawlings Manufacturing Company. (See Whitley, William P., assignor.)
- Rawlings, Samuel J. (See Grimley, John P., assignor.)
- Rawlings, William E., San Jose, Calif. Float. 1,761,680; June 3.
- Rawlings, William F. (See Linn, Herman C., assignor.)
- Rawlins, Rufus B., El Paso, Tex. Booth. Des. 81,403; June 17.
- Rawls Manufacturing Company. (See Rawls, Silas E., assignor.)
- Rawls, Silas E., Streator, Ill., assignor to Rawls Manufacturing Company. Mowing machine. 1,783,672; Dec. 2.
- Rawson, Leslie A., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Strut-type-base construction. 1,764,182; June 17.
- Rawson, Ralph E., St. Louis, Mo. Toothbrush. 1,752,393; Apr. 1.
- Rawson, Ralph H., Portland, Oreg. Recovery of surplus preservatives in treatment of timber. 1,756,797; Apr. 29.
- Ray, Arthur B., Bayside, and G. T. Felbeck, Mount Vernon, N. Y., assignors to Carbide and Carbon Chemicals Corporation. Recovery of adsorbable substances. 1,753,067; Apr. 1.
- Ray, Arthur J., Liverpool, England, assignor, by mesne assignments, to Associated Telephone & Telegraph Company, Kansas City, Mo. Telephone system. 1,744,013; Jan. 14.

- Ray, Arthur J., Chicago, Ill., assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,745,038; Jan. 28.
- Ray, Bert, Oral, S. Dak. Tractor drawbar cultivator. 1,746,606; Feb. 11.
- Ray, Charles T., assignor to B. F. Avery & Sons, Louisville, Ky. Draft mechanism. 1,764,086; June 17.
- Ray, Charles T., and D. McDonald, jr., Louisville, Ky., assignors to B. F. Avery & Sons, Louisville, Ky. Filing cabinet for phonograph records. 1,754,435; Apr. 15.
- Ray, Charles T., and D. McDonald, jr., assignors to B. F. Avery & Sons, Louisville, Ky. Filing cabinet for phonograph records. 1,755,074; Apr. 15.
- Ray, Clifford V. (See Penney, Clarence R., assignor.)
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-finishing machine. 1,743,480; Jan. 14.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel trimming and compressing machine. 1,759,867; May 27.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making the same. 1,765,849; June 24.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. 1,779,510; Oct. 28.
- Ray, Fisk M., et al. (See Chesnutt, William M., assignor.)
- Ray, Frederick, Short Hills, N. J. Expansion joint. 1,786,506; Dec. 30.
- Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making turbine blades. 1,748,364; Feb. 25.
- Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine support. 1,751,602; Mar. 25.
- Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making turbine blades. 1,751,758; Mar. 25.
- Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing housing. 1,754,904; Apr. 15.
- Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine blade. 1,762,352; June 10.
- Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine blade. 1,763,256; June 10.
- Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid-seal packing gland. 1,779,076; Oct. 21.
- Ray, John N., assignor to Brandes Laboratories, Inc., Newark, N. J. Electrical phonograph apparatus. 1,778,509; Oct. 14.
- Ray, Joshua R. and T., Manistee, Mich. Crystallization. 1,785,530; Dec. 16.
- Ray, Loyd W., Wichita, Kans., assignor to The White Castle System, Inc. Portable building. 1,748,794; Feb. 25.
- Ray, Loyd W., Wichita, Kans., assignor to The White Castle System, Inc. Structural building. 1,749,648; Mar. 4.
- Ray, Rombert, Santa Maria, Calif. Block-ice-handling mechanism. 1,745,381; Feb. 4.
- Ray, Thomas. (See Ray, Joshua R. and T.)
- Ray, William H., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Terminal plug. 1,765,540; June 24.
- Ray, William T., Wichita, Kans. Locomotive draft appliance. 1,768,373; June 24.
- Raybestos-Manhattan, Inc. (See Bockius, Chris, assignor.)
- Raybestos-Manhattan, Inc. (See Novak, Isador J., assignor.)
- Raybould, Frank J., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,745,954; Feb. 4.
- Rayburn, Alden G., Sausalito, Calif., assignor to E. Winship, Macon, Ga. Motor driven vehicle. 1,776,479; Sept. 23.
- Rayburn, Alden G., Sausalito, Calif., assignor to E. Winship, Macon, Ga. Drive mechanism for motor vehicles. 1,776,480; Sept. 23.
- Rayburn, Charles F., Moscow, Idaho. Excavation machine. 1,777,626; Oct. 7.
- Raycol Limited. (See Alldridge, Reginald S., assignor.)
- Rayder, Joseph A., Philadelphia, Pa. Sound-amplifying device. 1,744,800; Jan. 28.
- Rayfield, Charles L., Chicago, Ill., assignor to Rayfield Manufacturing Company. Oil-burner nozzle. 1,771,655; July 29.
- Rayfield, Charles L., Chicago, Ill., assignor, by mesne assignments, to Marvel Carburetor Company, Flint, Mich. Carburetor. 1,771,862; July 29.
- Rayfield, Charles L., assignor to Rayfield Manufacturing Co., Chicago, Ill. Float-operated valve. 1,777,533; Oct. 7.
- Rayfield, Charles L., Chicago, Ill., assignor to Rayfield Manufacturing Company. Oil burner. 1,779,680; Oct. 28.
- Rayfield, Charles L., assignor to Rayfield Manufacturing Company, Chicago, Ill. Coupling. 1,781,409; Nov. 11.
- Rayfield, Charles L., assignor to Rayfield Manufacturing Co., Chicago, Ill. Thermostatically-operated device. 1,785,787; Dec. 23.
- Rayfield, Frederick J., assignor to Champion Pneumatic Machinery Co., Chicago, Ill. Unloading valve. 1,779,640; Oct. 28.
- Rayfield Manufacturing Co. (See Rayfield, Charles L., assignor.)
- Raymer, Ira S., Beaver, Pa. Expulsion-fuse cut-out. 1,771,735; July 29.
- Raymond Brothers Impact Pulverizer Co., The. (See Crites, J., and Koren, assignors.)
- Raymond Brothers Impact Pulverizer Co., The. (See Vogel, William, assignor.)
- Raymond, Charles E., Boston, Mass. Suction device. 1,773,498; Aug. 19.
- Raymond Concrete Pile Company. (See Hunt, Francis H., assignor.)
- Raymond Concrete Pile Company. (See Hunt, F. H., and Schroeder, assignors.)
- Raymond Concrete Pile Company. (See Smith, Herman R., assignor.)
- Raymond Concrete Pile Company. (See Upson, Maxwell M., assignor.)
- Raymond, Edward F., assignor to J. Grant, Los Angeles, Calif. Expanding reamer. 1,754,525; Apr. 15.
- Raymond, Fred I., River Forest, Ill. Control apparatus for heating systems. 1,784,538; Dec. 9.
- Raymond, Fred I., River Forest, Ill. Apparatus for controlling heating systems. 1,785,425; Dec. 16.
- Raymond, Fred I., River Forest, Ill. Heating. 1,785,426; Dec. 16.
- Raymond, Frederick R., San Francisco, Calif. Soldering iron. 1,768,147; June 24.
- Raymond, Gwynne, Kansas City, Mo. Plate-conveying hook. 1,753,578; Apr. 8.
- Raymond, Gwynne, Kansas City, Mo. Dispensing device. 1,785,097; Dec. 16.
- Raymond, Gwynne, Kansas City, Mo., assignor to Black, Sivalls & Bryson Manufacturing Company, Kansas City, Mo. Safety hook. 1,773,373; Aug. 19.
- Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Hinge leaf. Des. 82,625; Nov. 25.
- Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Hinge. 1,782,582; Nov. 25.
- Raymond, Howard A., Somerville, assignor to American Rubber Company, East Cambridge, Mass. Rubber footwear article and method of making. 1,756,474; Apr. 29.
- Raymond, James H. (See Masterson, John J., assignor.)
- Raymond, Ralph L., assignor to Dominion Wood Heel Corporation, Limited, Montreal, Quebec, Canada. Woodheel-turning machine. 1,748,994; Mar. 4.
- Raymond, William I., Portland, Oreg. Mole and gopher trap. 1,764,225; June 17.
- Rayner, Thomas R. (See Ostline, J. E., Rayner, and Preist.)
- Raynes, Harry C., Portsmouth, N. H., assignor by mesne assignments, to Bemis Industries, Incorporated, Boston, Mass. Apparatus for producing fiber board. 1,754,370; Apr. 15.
- Raynes, Harry C., Portsmouth, N. H., assignor, by mesne assignments, to Bemis Industries, Incorporated, Boston, Mass. Plastic-board manufacture. 1,774,813; Sept. 2.
- Raynolds, Reginald M., New York, assignor to McMillan Book Company, Syracuse, N. Y. Leaf flipper. 1,747,263; Feb. 18.
- Raynolds, Reginald M., New York, assignor to McMillan Book Company, Syracuse, N. Y. Leaf flipper. 1,770,670; July 15.
- Raynor, Charles W. (See Barker, Harry B., assignor.)
- Raynor, Harry V., Denver, Colo. Cleaning device. 1,747,180; Feb. 18.
- Raynor, John S., Holmesburg, Pa. Solid-wall construction. 1,764,748; June 17.
- Raynor, John S., Holmesburg, Pa. Wire key for plaster and means to secure same to plaster board. 1,779,949; Oct. 28.
- Raynor, Louis L., New Rochelle, assignor to The Hygienol Co. Inc., New York, N. Y. Powder puff and making same. 1,781,140; Nov. 11.
- Rayon, Joseph D., Beaumont, Tex. Incubator. 1,778,166; Oct. 14.
- Ray-O-Vision Corporation of America. (See Peterson, Elwin L., assignor.)
- Ray-Signs Corporation. (See Reeves, Beauford H., assignor.)
- Raytheon, Inc. (See Bush, Vannevar, assignor.)
- Raytheon, Inc. (See Spencer, John A., assignor.)
- Rayton, Wilbur B. (See Kellner, G. A. H., and Rayton.)
- Rayton, Wilbur B., assignor to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic lens. 1,745,641; Feb. 4.
- Rayton, Wilbur B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Condensing lens system. 1,783,481; Dec. 2.
- Rayton, Wilbur B., and H. F. Kurtz, assignors to Bausch & Lomb Optical Co., Rochester, N. Y. Polarization photometer. 1,773,436; Aug. 19.
- Razor Blade Tile, Incorporated. (See Carlisle, Roy, assignor.)
- Rea, Florentino G. L. (See Roese, A. D., and Rea.)
- Rea, George, Brooklyn, N. Y. Watchcase. Des. 81,256; May 27.
- Rea, James C., Oakland, Calif. Electrical switch. 1,747,320; Feb. 18.
- Rea, James C., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Electrical switch. 1,783,389; Dec. 2.
- Rea, Wilton T. (See Thorp, V. P., and Rea.)

- Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Carrier-current telegraph system. 1,773,789; Aug. 26.
- Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Carrier-current telegraph system. 1,779,492; Oct. 28.
- Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Carrier-current telegraph system. 1,779,493; Oct. 28.
- Reach, Milton B., Springfield, assignor to A. G. Spalding & Bros. Chicopee, Mass. Packaged inflated playing ball and making the same. 1,752,695; Apr. 1.
- Reach, Milton B., assignor to Stopperless Water Bottle Company, Springfield, Mass. Closure for water bags. 1,752,808; Apr. 1.
- Reach, William F., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Golf-ball washer. 1,758,011; May 13.
- Read, David Y., Washington, D. C., assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,780,537; Nov. 4.
- Read, Harold J., San Diego, Calif. Airplane. 1,749,959; Mar. 11.
- Read, John B. (See Coolbaugh, M. F., and Read.)
- Read, John C., Rugby, England, assignor to General Electric Company. Vapor-electric rectifier. 1,773,008; Aug. 12.
- Read Machinery Company. (See Dawson, Albert S., assignor.)
- Read, William, assignor of one-half to H. J. and H. G. Latham, trading as The Latham Manufacturing Company, and one-half to F. White, Walsall, England. Key purse. 1,745,333; Jan. 28.
- Read, William C., Scarsdale, N. Y., assignor to Electro Metallurgical Company. Silico-thermic metallurgy. 1,758,465; May 13.
- Read, William G. (See Heap, W. P., Read, Barnes, and Kermode.)
- Readaker, William C., New York, N. Y. Motion-picture machine. 1,746,607; Feb. 11.
- Readey, Anna K., administratrix. (See Fensky, C., and Ready.)
- Readey, Harvey J. (See Fensky, C., and Readey.)
- Reading Automatic Machine Company. (See Blood, Louis H., assignor.)
- Reading Chain and Block Corporation. (See Hoffmaster, H. W., and Howard.)
- Reading Meter Repair Company. (See Neubling, Emil L., assignor.)
- Reading Sheet Metal Products Co. (See Van de Mark Eugene S., assignor.)
- Ready, Harvey J. (See Fensky, C., and Ready.)
- Ready Heat Products, Inc. (See Baker, Howard H., assignor.)
- Ready, Virgil E., Pasadena, assignor to Neilan, Schumacher & Co., Los Angeles, Calif. Outboard bearing. 1,776,086; Sept. 16.
- Ready, William A., Brookline, Mass. Friction transmission mechanism. 1,744,675; Jan. 21.
- Ready, William A., Brookline, Mass. Reactor. 1,745,812; Feb. 4.
- Ready, William A., Brookline, Mass. Dial mechanism. 1,751,658; Mar. 25.
- Ready, William A., Brookline, Mass. Electric-circuit tuning device. 1,756,570; Apr. 29.
- Reagan, Cyril F., Altoona, Pa. Shock absorber. 1,781,341; Nov. 11.
- Reagan, Henry C., et al. (See Dickinson, Roy G., assignor.)
- Reagan, John, and A. Bernard, Livermore Falls, Me. Suction-box head for paper-making machines. 1,774,844; Sept. 2.
- Reagan, Maurice E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic sectionalizing switch. 1,765,500; June 24.
- Reagan, Maurice E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-starting system. 1,768,788; July 1.
- Reagan, Maurice E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-starting system. 1,775,474; Sept. 9.
- Real, John, Sterling, Ill. Cigarette lighter. 1,755,131; Apr. 15.
- Ream, Harry L., et al. (See Johnson, Clarence V., assignor.)
- Rearden, Reginald P., Warrenville, S. C. Loom tape selage-motion hanger and bearing. 1,769,460; July 1.
- Reardon Company, The. (See Reardon, Joseph V., assignor.)
- Reardon, Edward F., Brooklyn, N. Y. Outboard motor conveyer. 1,747,600; Feb. 18.
- Reardon, John J., and C. T. Chaka, Omaha, Nebr. Steam generator and draft control for locomotive fire boxes. 1,778,983; Oct. 21.
- Reardon, Joseph V., assignor to The Reardon Company, St. Louis, Mo. Coating composition. 1,749,923; Mar. 11.
- Reardon, Robert E., Columbia, Pa. Safe-heat cooking utensil. 1,768,148; June 24.
- Rearick, Walter S., Tarentum, assignor to Aluminum Company of America, Pittsburgh, Pa. Metallic-foil cutter. 1,747,264; Feb. 18.
- Reaves, John S., Philadelphia, Pa. Counting and grouping machine. 1,754,047; Apr. 8.
- Reaves, William P., Greensboro, N. C. Stereoscopic apparatus. 1,751,530; Mar. 25.
- Reavis, Winfred E., Los Angeles, Calif. Locking means for assembled types. 1,764,119; June 17.
- Rebarchak, Michael, assignor of one-half to F. Accettura, Chicago, Ill. Mechanical seal. 1,747,181; Feb. 18.
- Reber, James B., assignor to Columbian Rope Company, Auburn, N. Y. Apparatus for making combined paper and fiber cordage. 1,764,524; June 17.
- Rebhun, Daniel C. (See Howe, Oliver J., assignor.)
- Rebichon, André, Paris, France. Extensible metal stopper. 1,774,667; Sept. 2.
- Rebikoff, Wassily, assignor to Leonide Davydoff, Paris, France. Double-control device for phonographs. 1,784,159; Dec. 9.
- Rebori, Atilio, Buenos Aires, Argentina. Lock. 1,758,620; May 13.
- Recchia, Leonard G., Seattle, Wash. Rebound absorber. 1,752,694; Apr. 1.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,966; Apr. 15.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,967; Apr. 15.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,968; Apr. 15.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,969; Apr. 15.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,970; Apr. 15.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,455; June 24.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,456; June 24.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,457; June 24.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,458; June 24.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,459; June 24.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,502; July 1.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,550; July 8.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,595; July 15.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,596; July 15.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,597; July 15.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,888; Aug. 26.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,901; Aug. 26.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,940; Sept. 2.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,177; Sept. 30.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,344; Oct. 21.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,345; Oct. 21.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,346; Oct. 21.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,391; Oct. 28.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,520; Nov. 11.
- Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 82,759; Dec. 9.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 82,905; Dec. 23.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,906; Dec. 23.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,907; Dec. 23.
- Recchia, Orlando R., Cranston, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,908; Dec. 23.

- Rechter, George, San Francisco, Calif. Rope-end connector and adjuster. 1,746,090; Feb. 4.
- Reck, Maurus C., assignor to Sterling Range & Furnace Corporation, Rochester, N. Y. Broiler rack. 1,753,719; Apr. 8.
- Recker, Adolph C., Oakville, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Plant marker. 1,777,859; Oct. 7.
- Recker, John, Newark, N. J. Keyless lock. 1,782,212; Nov. 18.
- Reckford, John K., assignor to American Lead Pencil Company, New York, N. Y. Display rack. 1,779,146; Oct. 21.
- Reckhard, Julius, Rhynern, Germany. Incubator. 1,777,996; Oct. 7.
- Recko, Joseph A., Bridgeport, Conn. Pipe fitting. 1,780,402; Nov. 4.
- Reclamation Company, The. (See Holt, G. J., and Longevin, assignors.)
- Recording Change Machines, Inc. (See Camp, Edgar M., assignor.)
- Recording Thermometer Company. (See Barstow, Welch, assignor.)
- Rector, Joseph M. (See Walsh, George L., assignor.)
- Rector, Thomas M., Rutherford, N. J., assignor, by mesne assignments, to The Emulsol Corporation, Chicago, Ill. Preserving eggs. 1,744,575; Jan. 21.
- Rector, Thomas M., Rutherford, N. J., assignor to Franklin Baker Company, New York, N. Y. Extracting nut oil. 1,777,808; Oct. 7.
- Red Spot Electric Company. (See Staley, Miles E., assignor.)
- Red Sun Products Co. (See Goldman, Sigmund L., assignor.)
- Red Wing Union Stoneware Company. (See Hoyt, Elmore S., assignor.)
- Reda Pump Company. (See Arutunoff, Armais, assignor.)
- Reddaway, F., and Company. (See Gardiner, William C., assignor.)
- Reddellen, Gustav, and W. Müller, Leipzig, Germany, assignors to Agfa Anso Corporation, Binghamton, N. Y. Developing photographic materials and new photographic developers. 1,758,762; May 13.
- Reddellen, Gustav, and W. Müller, Leipzig, Germany, assignors, by mesne assignments, to Agfa Anso Corporation, Binghamton, N. Y. Developing photographic materials and new photographic developers. 1,758,892; May 13.
- Reddellen, Gustav, Leipzig, H. Lange, and H. Pfannestiel, Dessau in Anhalt, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of aromatic hydroxyaldehydes. 1,783,584; Dec. 2.
- Reddemann, Bernhard, Berlin-Lichterfelde, Germany, assignor to Pyrene-Minimax Corporation. Device for introducing fire foam into tanks and the like containing combustible liquids. 1,746,844; Feb. 11.
- Reddig, Charles E., Kew Gardens, Richmond Hill assignor to Graybar Electric Company, New York, N. Y. Combined washing machine and drier. 1,766,542; June 24.
- Reddig, Charles E., Kew Gardens, assignor to Graybar Electric Company, Inc., New York, N. Y. Exercising machine. 1,774,402; Aug. 26.
- Reddish, Warren T. (See Heckel, H., and Reddish.)
- Reddish, Warren T., Cincinnati, Ohio, assignor to The Kontol Company, Dallas, Tex. Treating emulsions. 1,747,987; Feb. 18.
- Reddish, Warren T., assignor to The Twitchell Process Company, Cincinnati, Ohio. Mineral-oil amino sulphates. 1,780,144; Oct. 28.
- Reddy, Charles S., Ames, Iowa, assignor to The Quaker Oats Company, Chicago, Ill. Fungicidal product for seed treatment. 1,760,000; May 27.
- Redeker, Siegfried. (See Korte, A. C., Redeker, and Mahnke.)
- Redfield, Cleveland. (See Blackman, Birt G., assignor.)
- Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Water-cooling device for compressors. 1,758,538; May 13.
- Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Motor-driven timing device for well pumps. 1,779,251; Oct. 21.
- Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Connection for drill rods. 1,781,032; Nov. 11.
- Redfield, Snowden B., and J. Naab, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Accumulator timing element for pressure-fluid-supply valves. 1,780,538; Nov. 4.
- Redfield, Willis B., Downey, Calif. Spring-seat attachment. 1,766,189; June 24.
- Redig, Charles. (See Haselow, F. H., and Redig.)
- Redington, John C. (See Menke, E. W., and Redington.)
- Redington, John C., Geneva, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Valve bag and making the valve. 1,754,769; Apr. 15.
- Redington, John C., Geneva, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Closing the valves of valve bags. 1,762,697; June 10.
- Redington, John C., Geneva, Ill., assignor by mesne assignments to St. Regis Paper Company, New York, N. Y. Forming valve bags. 1,780,720; Nov. 4.
- Redirected Light Corporation of America. (See Whalen, Edward J., assignor.)
- Redler, Arnold, Sharpness, England. Apparatus for controllably transferring material from one place to another. 1,744,676; Jan. 21.
- Redlinger, Matthias. (See Shunk, C. O., and Redlinger.)
- Redman, Sterling L., Evanston, Ill., assignor to Central Scientific Company, Chicago, Ill. Educational apparatus. 1,766,355; June 24.
- Redmond, Albert G., Flint, Mich. Supplying fuel to charge-forming devices. 1,743,236; Jan. 14.
- Redmond, Albert G., assignor to Marvel Carburetor Company, Flint, Mich. Fuel-feeding system for motor vehicles. 1,743,392; Jan. 14.
- Redmond, Albert G., assignor to J. R. Francis, Flint, Mich. Carburetor. 1,766,685; June 24.
- Redmond, Albert G., assignor to J. R. Francis, Flint, Mich. Fuel-feeding system for motor vehicles. 1,766,686; June 24.
- Redmond, Albert G., assignor to J. R. Francis, Flint, Mich. Fuel-feeding system for motor vehicles. 1,766,687; June 24.
- Redmond, Harold A., assignor to H. J. Hater, Cincinnati, Ohio. Mold. 1,764,889; June 17.
- Redmond, Harriet L., Needham, assignor to The William Carter Company, Needham Heights, Mass. Woman's undergarment. 1,761,278; June 3.
- Redmond, James D., Earlswood, England. Lowering mechanism applicable for use in portable life-saving apparatus. 1,761,311; June 3.
- Redmond, Joseph P., and F. F. Haack, Milwaukee, Wis. Electric coach fare-recorder. 1,761,050; June 3.
- Redrup, William D. (See Triggs, K. F., and Redrup.)
- Reeb, Leyle B., Roselle, N. J. Window frame. 1,784,751; Dec. 9.
- Reece Button Hole Machine Company, The. (See Carlson, Axel F., assignor.)
- Reece Button Hole Machine Company, The. (See Connors, John W., assignor.)
- Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
- Reece Button Hole Machine Company, The. (See Ritchie, James P., assignor.)
- Reece Folding Machine Company. (See Dixon, Walter L., assignor.)
- Reece, Franklin A., Chestnut Hill, assignor to Universal Winding Company, Boston, Mass. Traversing means for winding machines. 1,749,355; Mar. 4.
- Reece, Joseph A., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Translucent laminated glass and making same. 1,748,080; Feb. 25.
- Reece, Joseph A., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Down-flow slab. 1,753,805; Apr. 8.
- Reece, Joseph A., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Heat-absorbing means for sheet-glass apparatus. 1,756,798; Apr. 29.
- Reece, Joseph A., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-edge-forming device. 1,767,094; June 24.
- Reece, Joseph A. (See Rowley, C. A., and Reece.)
- Reece, Samuel W., New York, N. Y. Candy wrapper. 1,743,903; Jan. 14.
- Reece Shoe Machinery Company. (See Carlson, Axel F., assignor.)
- Reece Shoe Machinery Company. (See Oliver, John R., assignor.)
- Reed, Andrew H., assignor of one-third to C. W. Turner, and one-third to S. M. Coffman, Kansas City, Mo. Parachute-cord retainer. 1,783,452; Dec. 2.
- Reed, Arthur J., Philadelphia, Pa. Draft-regulating appliance for furnaces. 1,700,760; July 15.
- Reed, C. A., Company. (See Jopson, William G., assignor.)
- Reed, C. E., et al. (See Taylor, James S., assignor.)
- Reed, Carl S., Yonkers, N. Y., assignor to International Combustion Engineering Corporation. Water-wall construction. 1,775,321; Sept. 9.
- Reed, Charles B., assignor to Curtis-Martin Newspapers, Inc., Philadelphia, Pa. Printer's lockup. 1,775,734; Sept. 16.
- Reed, Charles E., Lexington, Mo. Figure indicator. 1,778,607; Oct. 14.
- Reed, Charles M., Kabletown, W. Va. Animal trap. 1,758,763; May 13.
- Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth-boring drill. Re17,741; July 22.
- Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Deep-well-drilling apparatus. 1,764,854; June 17.
- Reed, Clarence E., Wichita, Kans. Well-casing holder and elevator. 1,776,043; Sept. 16.
- Reed, David R., assignor to O. L. Jones, Dallas, Tex. Rug-display rack. 1,745,713; Feb. 4.
- Reed, Earl A., Wichita, Kans. Bit. 1,747,907; Feb. 18.
- Reed, Edwin W., and A. Werme, assignors to Reed and Prince Manufacturing Company, Worcester, Mass. Rolled-thread wood screw. 1,764,053; June 17.
- Reed, F. E., Glass Company. (See Thomas, Allen B., assignor.)
- Reed, Francis O., Paris, Tex. Aeroplane. 1,763,819; June 17.
- Reed, Frank B., New Bedford, Mass. Sound reproducer for phonographs. 1,762,201; Mar. 25.

- Reed, George R., assignor to The Eaton Axle and Spring Company, Cleveland, Ohio. Spare-tire lock. 1,768,293; June 24.
- Reed, Harold J., Nashua, N. H., and C. L. Spafford, Sherbrooke, Quebec, Canada, assignors, by mesne assignments, to Improved Paper Machinery Corporation, Nashua, N. H. Pneumatic cylinder machine. 1,748,081; Feb. 25.
- Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Clutch plate. 1,768,997; July 1.
- Reed, Henry M., Ben Avon, Pa., assignor to Standard Sanitary Manufacturing Company. Kitchen utensil. 1,779,827; Oct. 28.
- Reed-Hill, William, Whitestone, N. Y., assignor, by mesne assignments, to Aqua Systems Incorporated, New York, N. Y. Oil-carrying marine vessel. 1,759,644; May 20.
- Reed, Ira L., assignor to Pyramid Metals Company, Chicago, Ill. Weather strip. 1,777,627; Oct. 7.
- Reed, James H., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shuttle for shoe-sewing machines. 1,747,557; Feb. 18.
- Reed, Jesse B., Fort Smith, Ark. Violin bow. 1,766,688; June 24.
- Reed, John A., Riderwood, Ala. Fish-net hoist. 1,761,365; June 3.
- Reed, John C., Steelton, Pa., assignor to Bethlehem Steel Company. Pneumatic conveyer system. 1,746,052; Feb. 4.
- Reed, Lawrence E., Stanton, Nebr. Steering sled. 1,745,452; Feb. 4.
- Reed, Leland A., New York, assignor to The Western Union Telegraph Company, New York, N. Y. Moisture-proof and gas-tight dam for lead-sheath cables. 1,774,292; Aug. 26.
- Reed Manufacturing Company. (See Petersen, Thorvald, assignor.)
- Reed Manufacturing Company. (See Stoeltzlen, Leo V., assignor.)
- Reed, Marion C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stabilizing aldehydes. 1,763,326; June 10.
- Reed and Prince Manufacturing Company. (See Reed, E. W., and Werme, assignors.)
- Reed Propeller Co., The. (See Reed, Sylvanus A., assignor.)
- Reed, Ralph C., Youngstown, Ohio. Ingot mold. 1,743,932; Jan. 14.
- Reed, Robert F., Norwood, and P. W. Dorst, Cincinnati, Ohio, assignors to The Lithographic Technical Foundation, Inc., New York, N. Y. Planographic printing surface. 1,759,956; May 27.
- Reed, Robert W., Fairport, N. Y., assignor of one-half to Harry W. Mountain, Aberdeen, S. Dak. Gauge. 1,783,260; Dec. 2.
- Reed Roller Bit Company. (See Behnke, Guy E., assignor.)
- Reed Roller Bit Company. (See Bull, Clinton H. M., assignor.)
- Reed Roller Bit Company. (See Childs, William L., assignor.)
- Reed Roller Bit Company. (See Dallerup, John R., assignor.)
- Reed Roller Bit Company. (See Duda, Oswald, assignor.)
- Reed Roller Bit Company. (See Stokes, John C., assignor.)
- Reed, Sadie B., New York, N. Y. Ice block and mold for forming same. 1,753,940; Apr. 8.
- Reed, Sylvanus A., New York, N. Y. Energy-transmission means. 1,786,264; Dec. 23.
- Reed, Sylvanus A., assignor to The Reed Propeller Co. Inc., New York, N. Y. Aeronautical propeller. 1,778,340; Oct. 14.
- Reed, Sylvanus A., New York, N. Y., assignor to The Reed Propeller Co. Inc. Aeronautical propeller. 1,781,883; Nov. 18.
- Reed, Thomas C., Covington, Ky., and A. D. Odell, Cincinnati, Ohio, assignors to American Telephone and Telegraph Company. Preparing insulating sleeves. 1,753,869; Apr. 8.
- Reed, Thomas C., Covington, Ky., and A. D. Odell, Cincinnati, Ohio, assignors to American Telephone and Telegraph Company. Preparing insulating sleeves. 1,786,549; Dec. 30.
- Reed, William F., Camden, N. J., assignor to Gillinder Brothers, Inc., Port Jervis, N. Y. Light-diffusing globe. Des. 81,147; May 13.
- Reed, William M., and C. P. Hegan, Louisville, Ky. Air filter. 1,746,283; Feb. 11.
- Reed, William P., Chicago, Ill. Method of and apparatus for cooking candy. 1,756,662; Apr. 29.
- Reed, William P., and R. C. May, Birmingham, Ala. Car-wheel-truing apparatus. 1,748,585; Feb. 25.
- Reed, William R. (See Britton, E. C., and Reed.)
- Reeder, Charles H., St. Louis, Mo. Web-forming attachment for foundry patterns and the like. 1,774,668; Sept. 2.
- Reeder, Elizabeth G., Chicago, Ill. Hammock. 1,749,888; Mar. 11.
- Reeder, John C., Oklahoma City, Okla. Toy aeroplane. 1,797,333; Oct. 21.
- Reeder, Nathaniel S., New York, N. Y., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Dump car. 1,765,700; June 24.
- Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Gas stove. Des. 82,850; Dec. 16.
- Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Gas cooking stove or range. 1,772,496; Aug. 12.
- Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Oven. 1,776,929; Sept. 30.
- Reedy, Emmett M., Decatur, assignor to Mueller Co.; Decatur, Ill. Built-in valve. 1,768,212; June 24.
- Reedy, Emmett M., assignor to Mueller Co., Decatur, Ill. Tool for corporation stops. 1,777,628; Oct. 7.
- Reeger, George B. (See Ackman, F. J., and Reeger.)
- Reeh, Johannes E. W., Chateauf-Seine, assignor to Société Anonyme de Conservation Industrielle du Poisson, Paris, France. Apparatus for congelation. 1,747,080; Feb. 11.
- Reehsing, Ludwig H., Bremen, Germany. Intermittently-working refrigerator of the absorption type. 1,774,669; Sept. 2.
- Reel, Herbert W., assignor to United States Gypsum Company, Chicago, Ill. Ceiling construction. 1,758,201; May 13.
- Reel, Herbert W., Hinsdale, assignor to The United States Gypsum Company, Chicago, Ill. Tile-forming machine. 1,784,847; Dec. 16.
- Rees, Edmund S. G., Oaken, England. Propeller, pump, or fan. 1,771,939; July 29.
- Rees, Rees, Jersey City, N. J. Window cleaner. 1,751,057; Mar. 18.
- Rees, William H., Berkeley, Calif. Weighing machine. 1,751,760; Mar. 25.
- Reese Buttonhole Machine Company. (See Hagelstein, Christian H. T., assignor.)
- Reese, David B., St. Paul, Minn. Sanitary frostproof collar. 1,767,616; June 24.
- Reese, Edward F., South St. Paul, Minn. Combination luggage carrier and collapsible boat. 1,781,860; Nov. 18.
- Reese, Erna G., Montrose, Calif. Dishwashing machine. 1,747,321; Feb. 18.
- Reese, Frank, assignor to Reese Metal Weather Strip Co., Minneapolis, Minn. Self-adjusting interlocking weather-strip device. 1,751,759; Mar. 25.
- Reese, John N., Chicago, Ill. Sanding device for automobiles and the like. 1,765,772; June 24.
- Reese Metal Weather Strip Co. (See Reese, Frank, assignor.)
- Reeve, Charles S., Leonia, N. J., assignor to The Barrett Company. Plastic composition. Re17,762; Aug. 5.
- Reeves, Beauford H., New Haven, Conn., assignor to Ray-Signs Corporation. Reflecting device. 1,770,144; July 8.
- Reeves, Benjamin F., Guthrie Center, Iowa. Cultivator shield. 1,779,334; Oct. 21.
- Reeves, Clifton, Trenton, N. J. Valve mechanism for internal-combustion engines. 1,754,647; Apr. 15.
- Reeves, Delbert M., assignor of one-tenth to R. E. Kilgore, Omaha, Nebr. Plait holder. 1,775,695; Sept. 16.
- Reeves, Donald H., Dayton, Ohio. Liquid-level gauge. 1,758,975; May 20.
- Reeves, Enoch M., Flint, Mich. Striping pencil for automobiles. 1,773,061; Aug. 12.
- Reeves Manufacturing Company, The. (See Carroll, John, assignor.)
- Reeves Manufacturing Company, The. (See Curtis, Rowland J., assignor.)
- Reeves Manufacturing Company, The. (See Hunker, Martin L., assignor.)
- Reeves, Oda A., Charleston, Mo. Animal holder. 1,763,181; June 10.
- Reeves, Orwell C. (See Zinke, C. J., and Reeves.)
- Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,746,362; Feb. 11.
- Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Computing scale. 1,767,813; June 24.
- Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Belt splice. 1,761,155; June 3.
- Reeves Pulley Company. (See Clay, H. C., and Irwin, assignors.)
- Reeves Pulley Company. (See Perry, William R., assignor.)
- Reeves Pulley Company. (See Reeves, Paul B., assignor.)
- Reeves, Ralph M. (See Robison, James E., assignor.)
- Reeves, William A. (See Tucker, O. M., and Reeves.)
- Refiners Limited. (See Cox, K., and McDermott, assignors.)
- Refnoll Manufacturing Corporation. (See Harris, W. D., and Aycock, assignors.)
- Reflector & Illuminating Co. (See Heron, James C., assignor.)
- Reflex Engineering Corporation. (See Tischler, Max., assignor.)
- Refrigerating Specialties Co. (See Hansen, Charles C., assignor.)
- Refsland, Jacob, New Rochelle, N. Y. Aeroplane. 1,743,284; Jan. 14.
- Regal Musical Instrument Co. (See Hunter, Albert E., assignor.)
- Regal Shoe Company. (See Bliss, Elmer J., assignor.)
- Regal Shoe Company. (See White, William H., assignor.)
- Regan, Eugene A., Oakland, Calif. Hinge structure. 1,785,362; Dec. 16.
- Regan Forge & Engineering Company et al. (See Bricken, John, assignor.)
- Regan Forge and Engineering Company. (See Minor, Burt S., assignor.)

- Regan, James J., Los Angeles, Calif. Antifriction traveling block. 1,771,059; July 22.
- Regan, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Combined filling and warp stop motion for looms. 1,756,606; Apr. 29.
- Regan, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion. 1,756,607; Apr. 29.
- Regan, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion. 1,777,381; Oct. 7.
- Regan, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion for terry-towel looms. 1,786,675; Dec. 30.
- Regan, Joseph C., West Hartford, assignor to The E. Horton & Son Company, Windsor Locks, Conn. Scroll chuck. 1,772,267; Aug. 5.
- Regan, Joseph C., West Hartford, assignor to The E. Horton & Son Company, Windsor Locks, Conn. Differential chuck. 1,784,908; Dec. 16.
- Regan Safety Devices Company, The. (See Bodde, Theodore, assignor.)
- Regan Safety Devices Company, The. (See Rosenzweig, Fred M., assignor.)
- Regan Safety Devices Company, The. (See Shaver, Archibald G., assignor.)
- Regan Safety Devices Company, The. (See Shaver, A. G., and Meisel, assignors.)
- Regan, William J., Wilkesburg, assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft appliance for railway vehicles. 1,758,974; May 20.
- Regensteiner Corporation. (See Lowenstein, Herman H., assignor.)
- Regenstreif, Jakob, Berlin, Germany, assignor to General Electric Company. Filament-mounting machine. 1,765,357; June 17.
- Regents of the University of Michigan, The. (See Firestone, Floyd, assignor.)
- Regents of the University of Michigan, The. (See White, Alfred H., assignor.)
- Regina Corporation, The. (See Smith, Bernard P., assignor.)
- Rehe, Albert K., assignor of one-half to R. A. Kucich, San Francisco, Calif. Continuous coffee roaster and storer. 1,783,673; Dec. 2.
- Rehfield, Grover G., Chicago, Ill., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Duplex horn for sound reproducers. 1,760,284; May 27.
- Rehfs-Oberläder, Carl H., Kehl-on-the-Rhine, Germany. Felting and fulling machine. 1,760,517; May 27.
- Rehfuss, Louis A., Philadelphia, Pa. Locomotive boiler and fire box. 1,764,981; June 17.
- Rehm, Harry C., Fort Wayne, Ind., assignor to The L. S. Starrett Company, Athol, Mass. Center punch. 1,777,653; Oct. 7.
- Rehrhenke, F. H., et al. (See Pollock, Oscar, assignor.)
- Rehwold, Walton C., Beverly Hills, and J. G. Duff, Los Angeles, Calif. Vacuum-cleaner attachment for automobiles. 1,783,674; Dec. 2.
- Reiber, George, Rochester, N. Y. Automatic pastry-baking machine. 1,781,411; Nov. 11.
- Reiber, Harry P., Elyria, Ohio. Rope clamp. 1,751,883; Mar. 25.
- Reich, Ernest, Budapest, Hungary. Electrical measuring instrument. 1,777,733; Oct. 7.
- Reich, George, and H. R. Le Grand, Corydon, Ind. Toy. 1,764,982; June 17.
- Reich, Gustave T., Drexel Hill, Pa. Purifying yeast. 1,783,521; Dec. 2.
- Reich, Herman, Des Moines, Iowa. Staple puller. 1,751,948; Mar. 25.
- Reich, Joseph, Brooklyn, N. Y. Sanitary bandage. 1,768,789; July 1.
- Reich, Otto, Vienna, Austria. Ash tray or smoker's stand. 1,756,760; Apr. 29.
- Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train-speed-control system for railroads. 1,748,922; Feb. 25.
- Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Track relayless-train-control system. 1,766,543; June 24.
- Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Train-control system. 1,766,544; June 24.
- Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train-control system. 1,785,703; Dec. 16.
- Reichart, James H., Muncie, Ind. Smoking-stand body. Des. 81,204; May 20.
- Reichart, James H., Muncie, Ind. Pop-corn machine. 1,752,457; Apr. 1.
- Reichart, James H., Muncie, Ind. Electric and fireless cooker. 1,759,957; May 27.
- Reichart, James H., Muncie, Ind. Smoking vase. 1,765,773; June 24.
- Reichart, James H., Muncie, Ind. Corn popper. 1,786,507; Dec. 30.
- Reichel, Eugen, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Loud-speaker. 1,770,494; July 15.
- Reichel, Hugo, Chicago, Ill. Bead cutter. 1,758,409; May 13.
- Reichel, Hugo, Chicago, Ill. Shingle-strip machine. 1,758,410; May 13.
- Reichel, Jacob, and L. Barnett, New York, N. Y. Buckle. 1,744,501; Jan. 21.
- Reichel, Walter, Berlin-Lankwitz, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Attaching laminated sheet-metal rings. 1,764,890; June 17.
- Reichel, Walter, Berlin-Lankwitz, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Body constructed of sheet-iron sections. 1,779,950; Oct. 28.
- Reichelderfer, Earl, Catawissa, Pa. Safety attachment for car brakes. 1,772,226; Aug. 5.
- Reichelderfer, Wilton F. (See Hufnagle, O. C., and Reichelderfer.)
- Reichert, Lester O., and J. J. Robloff, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Serving apparatus. 1,748,995; Mar. 4.
- Reichenau, Harry. (See Schandua, E. J., and Reichenau.)
- Reichert, John, Racine, Wis. Hat-display rack. 1,747,951; Feb. 18.
- Reichert, Ludwig. (See Bruehl, L., and Reichert.)
- Reichert, Ludwig. (See Otto, S., and Reichert.)
- Reichert, Manson L. (See Kiefer, William F., assignor.)
- Reichert, William, Mamaroneck, N. Y. Bracelet or similar article. Des. 81,019; Apr. 22.
- Reichle, Carl J., Detroit, Mich., assignor to Alvey Manufacturing Company, St. Louis, Mo. Bearing for conveyor rollers. 1,784,848; Dec. 16.
- Reichman, Charles, Brooklyn, N. Y., assignor to Eterne Manufacturing Corporation, Newark, N. J. Hair-curler sachet. 1,771,582; July 29.
- Reichmann, Frank, J., Chicago, Ill. Loud-speaker. 1,748,996; Mar. 4.
- Reichmann, Frank J., Chicago, Ill. Telephonic receiver. 1,768,630; July 1.
- Reichmann, Heinrich, Duisburg, Germany. Automatic grab. 1,769,330; July 1.
- Reichmann, Heinrich, Duisburg, Germany. Grab. 1,770,343; July 8.
- Reichstein, Thadeus. (See Staudinger, H., and Reichstein.)
- Reid, Albert R., assignor to U S L Battery Corporation, Niagara Falls, N. Y. Carrying and protecting device for containers. 1,778,772; Oct. 21.
- Reid, Alexander, Virginia, Minn. Window-curtain-display apparatus. 1,770,110; July 8.
- Reid, Alexander, Aberdeen, assignor to Dobbie McInnes and Clyde Limited, Glasgow, Scotland. Internal-combustion and other fluid-pressure engine indicator. 1,773,240; Aug. 19.
- Reid, Alfred J., San Francisco, assignor of one-half to C. N. Banfield, Kentfield, Calif. Screw retainer for screw drivers. 1,742,278; Jan. 7.
- Reid, Allan E., Boston, assignor to Reid Piston Company, Brookline, Mass. Piston and connecting rod. 1,756,211; Apr. 29.
- Reid, Allan E., Boston, assignor to Reid Piston Company, Brookline, Mass. Piston and connecting rod. 1,756,761; Apr. 29.
- Reid, Andrew S. (See Reid, Robert and A. S.)
- Reid, Arthur A., Dickson City, Pa. Aircraft. 1,743,393; Jan. 14.
- Reid, Charles R., Shawinigan Falls, Quebec, Canada. Apparatus for removing water-borne material from raceways and the like. 1,751,421; Mar. 18.
- Reid, Charles R., Shawinigan Falls, Quebec, Canada. Apparatus for removing water-borne material from raceways and the like. 1,751,422; Mar. 18.
- Reid, Charles R., Heidelberg, Miss. Reversible steam engine. 1,771,351; July 22.
- Reid, Earl C. (See Jeffries, Charles W., assignor.)
- Reid, Earl C. (See Molden, William M., assignor.)
- Reid, Ebenezer E. (See Henning, C. I. B., Burke, and Reid.)
- Reid, Ebenezer E., Baltimore, Md. Perfumery. 1,786,630; Dec. 30.
- Reid, Ebenezer E., Baltimore, Md., and G. L. Schwartz, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, of Wilmington. Cellulosic composition. 1,778,567; Oct. 14.
- Reid, Edward C., Philadelphia, Pa. Differential transmission mechanism. 1,749,889; Mar. 11.
- Reid, Ernest W. (See Davidson, J. G., and Reid.)
- Reid, Francis A., Phoenix, Ariz. Windbreak. 1,768,000; June 24.
- Reid, Frederick M. (See Fruehauf, H. C., and Reid.)
- Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Pole trailer. 1,742,413; Jan. 7.
- Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Tandem-wheeled vehicle. 1,770,583; July 15.
- Reid, George C., Brooklyn, assignor to American Can Company, New York, N. Y. Lead-keg or paint-pail closure. 1,773,278; Aug. 19.
- Reid, James. (See Leahy, A. M., Lutts, and Reid.)
- Reid, James, deceased, Watertown, A. M. Leahy, Somerville, and C. G. Lutts, Salem, Mass.; M. S. Reid, executrix. Manufacture of chains. 1,753,941; Apr. 8.
- Reid, James, deceased, by M. S. Reid, administratrix, Watertown, A. M. Leahy, Somerville, and C. G. Lutts, Salem, Mass. Die for the manufacture of chains. 1,753,942; Apr. 8.
- Reid, James E., Moorestown, N. J. Diagnostic optical instrument. 1,755,705; Apr. 22.

- Reid, James S., assignor to The Eaton Axle and Spring Company, Cleveland, Ohio. Sealing gasket for neck and closure structures. 1,749,604; Mar. 4.
- Reid, James S., assignor to The Newell Thompson Manufacturing Company, Cleveland, Ohio. Leaf-spring structure. 1,751,171; Mar. 18.
- Reid, James S., assignor to The Eaton Axle and Spring Company, Cleveland, Ohio. Bayonet-joint closure. 1,759,243; May 20.
- Reid, James S., assignor to The Eaton Axle and Spring Company, Cleveland, Ohio. Closure. 1,759,244; May 20.
- Reid, James S., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure structure. 1,760,439; May 27.
- Reid, James S., assignor to The Eaton Axle and Spring Company, Cleveland, Ohio. Closure. 1,767,187; June 24.
- Reid, James S., assignor to The Eaton Axle and Spring Company, Cleveland, Ohio. Press. 1,768,294; June 24.
- Reid, James S., assignor to The Newell-Thompson Company, Cleveland, Ohio. Shock absorber. 1,769,964; July 8.
- Reid, James S., assignor, by mesne assignments, to Eaton Axle & Spring Company, Cleveland, Ohio. Closure structure. 1,777,767; Oct. 7.
- Reid, James S., assignor, by mesne assignments, to Eaton Axle & Spring Company, Cleveland, Ohio. Closure structure. 1,777,768; Oct. 7.
- Reid, James S., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Attachment for tubular members. 1,786,721; Dec. 30.
- Reid, James S., assignor to The Eaton Axle and Spring Company, Cleveland, Ohio. Neck and closure structure. 1,786,722; Dec. 30.
- Reid, John H., Jamestown, N. Dak. Manifolding carbon paper. 1,757,876; May 6.
- Reid, John S., Milwaukee, Wis. Food-display case for lunch counters. 1,744,081; Jan. 21.
- Reid, Josiah E. (See McCall, G., and Reid.)
- Reid, Josiah E., assignor to International Motor Company, New York, N. Y. Spring suspension. 1,758,411; May 13.
- Reid, Margaret S., administratrix. (See Leahy, A. M., Lutts, and Reid.)
- Reid, Margaret S., administratrix. (See Reid, J., Leahy, and Lutts.)
- Reid, Murdock & Company. (See Anderson, Louis S., assignor.)
- Reid, Paul R., Madill, Okla. Lubricating apparatus. 1,775,946; Sept. 16.
- Reid Piston Company. (See Reid, Allan E., assignor.)
- Reid, Raymond A., Cedar Rapids, Iowa. Sanding machine. 1,776,450; Sept. 23.
- Reid, Robert and A. S., Beverly, Mass. Separating machine. 1,744,677; Jan. 21.
- Reid, Robert. (See Thibault, O., and Reid.)
- Reid, Thomas E., Concord, N. C., assignor to Draper Corporation, Hopedale, Mass. Driving-rod connection for loom let-off mechanism. 1,750,606; Mar. 11.
- Reid, Wilfrid T., St. Laurent, Quebec, assignor to Curtiss-Reid Aircraft Company Limited, Montreal, Quebec, Canada. Operating alighting gear brakes. 1,763,985; June 17.
- Reid, Wilfrid T., St. Laurent, assignor to Curtiss-Reid Aircraft Company Limited, Montreal, Quebec, Canada. Alighting gear for aeroplanes. 1,768,631; July 1.
- Reid, William C., Oakland, Calif. Washing machine. 1,753,752; Apr. 8.
- Reid, William H., Brooklyn, N. Y., and W. Fuhrmann, Westfield, N. J. Electric condenser. 1,746,967; Feb. 11.
- Reid, William L., and F. J. Bascombe, Lima, Ohio. Method and apparatus for testing rods. 1,753,532; Apr. 8.
- Reider, Maurice J., Canton, Ohio. Machine for use as mechanical toys and other purposes. 1,756,608; Apr. 29.
- Reidhaar, Frank P., assignor to Hercules Products, Inc., Evansville, Ind. Window fastener. 1,773,751; Aug. 26.
- Reif, Joseph, assignor of one-half to F. E. Ling, Hebron, Ind. Wrench. 1,761,586; June 3.
- Reifschneider, Conrad, St. Louis, Mo. Coupling or holding attachment for sash-weight cords. 1,758,850; May 13.
- Reifschneider, Conrad, St. Louis, Mo. Window frame. 1,768,001; June 24.
- Reifsnnyder, Frederick R., Pittsburgh, Pa. Shock absorber. 1,782,631; Nov. 25.
- Reiling, Lloyd C., Columbus, Ohio. Producing grape juice. 1,767,399; June 24.
- Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Table lighter. Des. 80,495; Feb. 11.
- Reilly, Alfred F., Attleboro, Mass. Pocket lighter. Des. 82,055; Sept. 16.
- Reilly, Arthur. (See Coggeshall, G. W., and Reilly.)
- Reilly, Frank B., Santa Barbara, Calif. Bottle-washing machine. 1,761,492; June 3.
- Reilly, Frank C. (See Dawley, H. M., and Reilly.)
- Reilly, Frederick J., New York, N. Y. Clip. 1,745,767; Feb. 4.
- Reilly, Gerard. (See Miles, E. H., and Reilly.)
- Reilly, Peter C. (See Derby, I. H., and Cunningham, assignors.)
- Reilly, Russell G. (See Hamlin, Wilfred R., assignor.)
- Reilly, William, White Plains, N. Y. Automatic fish scaler. 1,758,675; May 13.
- Reimann, Erich, Charlottenburg, Germany, assignor to General Electric Company. System of speed control for induction motors. 1,756,925; Apr. 29.
- Reimard, Howard R., and V. A. Starr, assignors to Starr Silk Company, Incorporated, Danville, Pa. Spring-tension-appliance for looms. 1,746,166; Feb. 4.
- Reimbolt, Lawrence D., Cleveland, Ohio, assignor to Universal Automobile Forwarding Company. Orifice governor. 1,770,495; July 15.
- Reime, Georg. (See Paschen, P., and Reime.)
- Reimer, Otto E., Elm Springs, S. Dak. Disk-barrow seeder attachment. 1,765,176; June 17.
- Reimold, Fred W., Newark, N. J. Releasing coupling. 1,754,048; Apr. 8.
- Reiner, Harry M., New York, assignor to Reiner Products, Inc., New York, N. Y. Dispensing device. 1,742,320; Jan. 7.
- Reiner Products, Inc. (See Reiner, Harry M., assignor.)
- Reiner, Waldo. (See Wall, H. M., and Reiner.)
- Reiners, Wilhelm, and G. Kahlisch, assignors to W. Schlafhorst & Co., Munich-Gladbach, Germany. Breakage-indicating mechanism for warping machines and the like. 1,765,881; June 24.
- Reiners, Wilhelm, and G. Kahlisch, assignors to W. Schlafhorst & Co., Munich-Gladbach, Germany. Warping frame. 1,787,323; Dec. 30.
- Reinert, John N., Bird Island, Minn. Milk and cream cooler. 1,757,058; May 6.
- Reingold, Meyer, Brooklyn, N. Y. Waterproof overalls. 1,765,096; June 17.
- Reinhard, Frank A., Norton, Mass. Windshield wiper. 1,742,823; Jan. 7.
- Reinhard, George F., Grand Rapids, Mich. Student table. Des. 82,056; Sept. 15.
- Reinhard, Hugo, Oberhausen, Germany. Treating waste and low-grade pigments. 1,776,689; Sept. 23.
- Reinhard, Martin J., Chicago, Ill. Safety device for aeroplanes. 1,772,962; Aug. 12.
- Reinhard, Silas G., Toledo, Iowa. Connecting-rod bearing. 1,785,459; Dec. 16.
- Reinhardt, George D., Dallas, Texas. Valve and valve-operating mechanism. 1,751,172; Mar. 18.
- Reinhardt, Louis W., Brockton, assignor to George E. Belcher Company, Stoughton, Mass. Display form. 1,755,794; Apr. 22.
- Reinhardt, Louis W., Brockton, assignor to George E. Belcher Company, Stoughton, Mass. Spring-link last. 1,771,008; July 22.
- Reinhardt, Otto K. (See Casella, S. L., and Reinhardt.)
- Reinhardt, Otto K., Jamaica, N. Y., assignor to Bond Electric Corporation. Tamping machine. 1,771,419; July 29.
- Reinhart, Georg, jr., assignor, by mesne assignments, to Gesellschaft für Kaltechemie G. m. b. H., Munich, Germany. Liquid mixture of low-freezing point. 1,768,632; July 1.
- Reinhold, Frederick E., Van Nuys, Calif. Locking plug for electric circuits. 1,783,342; Dec. 2.
- Reini, Jack, assignor of fifty-eight per cent to A. Simila, ten per cent to J. Skinner, nine per cent to P. Maki, five per cent to P. M. Kane, five per cent to J. Parvi, and five per cent to A. Larson, Vancouver, Wash. Signaling device for autos. 1,773,859; Aug. 26.
- Reinicke, Georg, Hagen, Germany. Device for determining the progress of work. 1,776,842; Sept. 30.
- Reinke, Fred C., Mukwonago, Wis. Ensilage distributor. 1,787,261; Dec. 30.
- Reinke, Waldemar J., assignor to Justrite Manufacturing Company, Chicago, Ill. Wire-attaching device. 1,772,687; Aug. 12.
- Reinle, Fred P., assignor to West Coast Soap Company, Oakland, Calif. Scouring soap powder. 1,770,429; July 15.
- Reinmuth, Harry G., Philadelphia, Pa. Rolling pin. 1,753,060; May 13.
- Reinoehl, Harry K., Springfield, Ohio. Valve-operating mechanism for internal-combustion engines. 1,770,288; July 8.
- Reinz, Hugo, Berlin-Spandau, Germany. Packing material. 1,756,881; Apr. 29.
- Reipert, Ernst, Nowawes, near Potsdam, assignor to Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Apparatus for making exposures of the path or route of flying machines or the like. 1,782,860; Nov. 25.
- Reis, Curt F., Chicago, assignor to Excel Magneto Co., Chicago, Ill. Induction coil. 1,775,600; Sept. 9.
- Reis, Curt F., assignor to Excel Magneto Company, Chicago, Ill. Magneto. 1,782,939; Nov. 25.
- Reis, Curt F., assignor to Excel Magneto Co., Chicago, Ill. Battery ignition system. 1,783,343; Dec. 2.
- Reis, Curt F., Chicago, assignor to Excel Magneto Company, Chicago, Ill. Rotor for magnetos. 1,783,344; Dec. 2.
- Reis, G., & Bro., Inc. (See Reis, Julius M., assignor.)
- Reis, G., & Bro., Inc. (See Tarbox, John P., assignor.)
- Reis, Julius M., assignor to G. Reis & Bro., Inc., New York, N. Y. Label tape. 1,769,965; July 8.
- Reis, Manuel D., jr., and Arthur F. Meade, San Anselmo, Calif. Safety switch. 1,761,681; June 3.
- Reischenbacher, Hans. (See Klima, R., and Reischenbacher.)

- Reisenfeld, Leon A., assignor of one-half to S. M. Illy, Cincinnati, Ohio. Detachable shoe heel. 1,754,402; Apr. 15.
- Reisert, Mathias, Brooklyn, assignor of one-half to Cypress Novelty Corporation, Brooklyn, N. Y., and one-half to N. D. Q. Specialty Corporation. Combination package. 1,783,453; Dec. 2.
- Reisler, Simon, Indianapolis, Ind. Ligating arteries. 1,749,261; Mar. 4.
- Reisman, Henry A., New York, N. Y. Infant's nipple. 1,748,731; Feb. 25.
- Reisner, William H., Manufacturing Company, The. (See Reisner, William H., assignor.)
- Reisner, William H., assignor to The W. H. Reisner Manufacturing Company. Hagerstown, Md. Organ valve. 1,763,182; June 10.
- Reisner, William H., assignor to The W. H. Reisner Manufacturing Company, Hagerstown, Md. Valve for organs and the like. 1,769,966; July 8.
- Reiss, Paul, assignor to Viking Tool and Machine Co., Inc., Brooklyn, N. Y. Automatic counter and stop device. 1,749,158; Mar. 4.
- Reiss Premier Pipe Co. (See Hirsch, Rudolph, assignor.)
- Reiss, Theodore, Passaic, N. J. Toy. 1,765,701; June 24.
- Reiss, Winold, New York, N. Y. Pile fabric. Des. 81,042; Apr. 22.
- Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Making stators for dynamo-electric machines. 1,784,643; Dec. 9.
- Reisz, Eugen, Berlin-Dahlem, Germany. Electrostatic loud-speaker. 1,747,952; Feb. 18.
- Reisz, Eugen, Berlin-Dahlem, Germany. Membrane for electrostatic loud-speakers. 1,748,901; Feb. 25.
- Reiter, Caspar, Berlin, Germany, assignor to General Electric Company. Lamp bulb. 1,765,242; June 17.
- Reiter, Caspar, Berlin-Treptow, and M. Stäger, Berlin-Baumschulenweg, Germany, assignors to General Electric Company. Electric soldering machine. 1,749,719; Mar. 4.
- Reiter, Daniel I., New York, N. Y. Snap-fastener socket. 1,744,919; Jan. 28.
- Reiter, Daniel I., New York, N. Y. Snap-fastener socket. 1,744,920; Jan. 28.
- Reiter, Daniel I., New York, N. Y. Snap-fastener socket. 1,753,218; Apr. 8.
- Reiter, Daniel I., New York, N. Y. Snap fastener. 1,759,418; May 20.
- Reiter, Daniel I., New York, N. Y. Snap-fastener cap and making same. 1,779,250; Oct. 21.
- Reiter, Daniel I., New York, N. Y. Pronged fastener. 1,783,748; Dec. 2.
- Reiter, Daniel I., New York, N. Y. Shiftable fastener. 1,784,389; Dec. 9.
- Reiter, Daniel I., Brooklyn, N. Y. Fastening device. 1,771,901; July 29.
- Reiter, Otis F., Baltimore, Md., assignor to The Farmers Stone Picking Machine Company. Stone-gathering machine. 1,786,170; Dec. 23.
- Reiter, Ralph H., Akron, assignor to The Cleveland Trust Company, Cleveland, Ohio. Liquid-level-operated rheostat. 1,774,814; Sept. 2.
- Reiterer, Rudolf, and J. C. Hofmann, Vienna, Austria. Photographic film camera. 1,746,741; Feb. 11.
- Rekenthaler, Joseph A., Cushing, Iowa. Tire spreader. 1,760,719; May 27.
- Reker, Charles H., assignor to The Metropolitan Paving Brick Company, Canton, Ohio. Brick-column-forming process and apparatus. 1,775,735; Sept. 16.
- Relay Motor Products Corporation. (See Domizi, David F., assignor.)
- Reliable Automatic Sprinkler Company, The. (See Griffiths, Francis H., assignor.)
- Reliable Knitting Company. (See Rosenberg, Armin, assignor.)
- Reliance Company, The. (See Bradley, Lynde, assignor.)
- Reliance Company, The. (See Pfeiffer, Walter S., assignor.)
- Reliance Company, The. (See Wilms, Gustav O., assignor.)
- Reliance Company, The. (See Wilms, G. O., and Dowe, assignors.)
- Reliance Electric and Engineering Company, The. (See Yeager, John H., assignor.)
- Reliance Elevator Company. (See Anderson, C. A., and Osborn, assignors.)
- Reliance Manufacturing Company. (See Champion, John W., assignor.)
- Reliance Specialty Co. (See Phillips, Arthur F., assignor.)
- Reller, Edwin L., and V. R. A. Stroh, St. Louis, Mo., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Accounting apparatus and system. 1,752,394; Apr. 1.
- Relyea, Walter I. (See Nolte, H. J., and Relyea.)
- Relyea, Walter I., Schenectady, N. Y., assignor to General Electric Company. Filament-tensioning means. 1,756,882; Apr. 29.
- Remark, Isidore J., assignor to The General Tire & Rubber Company, Akron, Ohio. Vulcanizer. 1,745,642; Feb. 4.
- Remark, Isidore J., assignor to The General Tire & Rubber Company, Akron, Ohio. Method of and apparatus for vulcanizing inner tubes for pneumatic tires. 1,746,200; Feb. 4.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Crane. 1,748,365; Feb. 25.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck and attachment therefor. 1,753,720; Apr. 8.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Raising and lowering apparatus. 1,767,095; June 24.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,768,149; June 24.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,771,060; July 22.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,773,860; Aug. 26.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Load-handling mechanism. 1,777,475; Oct. 7.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,777,476; Oct. 7.
- Remfry, Charles N., Proctor, Minn. Liquid vaporizer. 1,771,315; July 22.
- Remfry, Charles N., Proctor, Minn. Warning-valve device. 1,775,696; Sept. 16.
- Remick, Walter L., Hazleton, Pa. Apparatus for treating mixed materials. 1,767,227; June 24.
- Remick, Walter L., Hazleton, Pa. Separation of combustible material from its associated noncombustible material. 1,767,400; June 24.
- Remington Accounting Machine Corporation. (See Hart, Frederick A., assignor.)
- Remington Accounting Machine Corporation. (See Poole, Arthur F., assignor.)
- Remington Arms Company. (See Fuller, Frederick L., assignor.)
- Remington Arms Company. (See Garrison, George H., assignor.)
- Remington Arms Company. (See Green, Charles W., assignor.)
- Remington Arms Company. (See Gregory, Harry W., assignor.)
- Remington Arms Company. (See La Forest, Louis Z., assignor.)
- Remington Arms Company. (See Leckie, H. V., and Woodford, assignors.)
- Remington Arms Company. (See Loomis, Crawford C., assignor.)
- Remington Arms Company. (See Loomis, Oliver H., assignor.)
- Remington Arms Company. (See Rice, Raymond E., assignor.)
- Remington Arms Company. (See Woodford, Watson H., assignor.)
- Remington, Arthur L., assignor to Warp Compressing Machine Company, Worcester, Mass. Stop motion for warp-compressing machines. 1,777,503; Oct. 7.
- Remington, Charles, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Selective signaling system. 1,771,234; July 22.
- Remington, Joseph P. (See Polk, D. P., and Remington.)
- Remington, Joseph P., Philadelphia, Pa. Pressure gauge. 1,754,463; Apr. 15.
- Remington, Joseph P., Philadelphia, Pa. Variable-speed gearing. 1,754,485; Apr. 15.
- Remington, Joseph P., Philadelphia, Pa. Fuel pump. 1,768,487; June 24.
- Remington, Joseph P., Philadelphia, Pa. Adhesive-applying mechanism for wrapping machines. 1,768,488; June 24.
- Remington, Joseph P., assignor to J. H. Bell, Philadelphia, Pa. Variable-speed gearing. 1,760,850; May 27.
- Remington, Joseph P., assignor to J. H. Bell, Philadelphia, Pa. Variable-speed gearing. 1,768,489; June 24.
- Remington, Joseph P., Philadelphia, Pa. Carburetion. 1,774,725; Sept. 2.
- Remington, Joseph P., Philadelphia, assignor of three and one-half per cent to A. R. Earnshaw, Wynnewood, and three and one-half per cent to J. A. Emmons, Merion, Pa. Dispenser for cigarettes and other rodlike bodies. 1,778,729; Oct. 21.
- Remington Rand Inc. (See Bartholomew, Scott C., assignor.)
- Remington Rand Inc. (See Campbell, C. S., and Hunt, assignors.)
- Remington Rand Inc. (See Carlson, Edward, assignor.)
- Remington Rand Inc. (See Davis, Elmer W., assignor.)
- Remington Rand Inc. (See Dawson, George H., assignor.)
- Remington Rand Inc. (See Day, William H., assignor.)
- Remington Rand Inc. (See Gale, Laburton A., assignor.)
- Remington Rand Inc. (See Heelan, Thomas, assignor.)
- Remington Rand Inc. (See Hunt, Alfred E., assignor.)
- Remington Rand Inc. (See Hutchings, LeRoi E., assignor.)
- Remington Rand, Inc. (See Hutchings, L. E., and Lear, assignors.)
- Remington Rand Inc. (See James, R., assignor, and Dungan.)
- Remington Rand Inc. (See Landsiedel, Harry, assignor.)
- Remington Rand Inc. (See Landsiedel, Walter W., assignor.)
- Remington Rand Inc. (See Lasker, William W., assignor.)
- Remington Rand Incorporated. (See Lebeis, Martin, assignor.)

- Remington Rand Inc. (See Merriam, Edmund S., assignor.)
- Remington Rand, Inc. (See Ohnstrand, Enoch, assignor.)
- Remington Rand Inc. (See Rand, Benjamin G., assignor.)
- Remington Rand Inc. (See Rand, James H., assignor.)
- Remington Rand, Inc. (See Rand, James H., jr., assignor.)
- Remington Rand Inc. (See Rand, J. H., jr., and Broecker, assignors.)
- Remington Rand Inc. (See Reller, E. L., and Stroh, assignors.)
- Remington Rand Inc. (See Stuart, Nicholas H., assignor.)
- Remington Rand Inc. (See Tillman, Ferdinand J., assignor.)
- Remington Rand Inc. (See Wigginton, George P., assignor.)
- Remington Rand Inc. (See Wolters, Carl F., assignor.)
- Remington Rand Inc. (See Wolters, C. F., and Shulte, assignors.)
- Remington Typewriter Company. (See Barney, Edwin E., assignor.)
- Remington Typewriter Company. (See Going, George G., assignor.)
- Remington Typewriter Company. (See Hall, Samuel B., assignor.)
- Remington Typewriter Company. (See Hart, Frederick A., assignor.)
- Remington Typewriter Company. (See McCorn, Lee S., assignor.)
- Remington Typewriter Company. (See Stewart, Harvey J., assignor.)
- Remington Typewriter Company. (See Straub, Joseph E., assignor.)
- Remlein, Frank L., New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat color dyeing. 1,750,942; Mar. 18.
- Remmen, Jorgen, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Tension-reel control. 1,774,525; Sept. 2.
- Remsnider, George, Belleville, Ill. Roll-holding mechanism. 1,773,153; Aug. 19.
- Rémond, Jacques, Amiens, France. Portable loading gauge for railroad cars. 1,784,160; Dec. 9.
- Remondino, Charles H. E., assignor of one-third to F. W. Renworth and one-third to A. C. McBride, San Diego, Calif. Automobile hood-retaining means. 1,757,021; May 6.
- Rémondy, Léon E., Paris, France. Percussion fuse for artillery and aircraft projectiles. 1,781,556; Nov. 11.
- Remotrole Corporation. (See Washington, Bowden, assignor.)
- Remotrole Corporation. (See Washington, B., and Aull, assignors.)
- Remrey, Peter, Clinton, Iowa. Adjustable band. 1,779,335; Oct. 21.
- Remy, Matilda, Wellesley, Mass. Combination slide, see-saw, and jumping board. 1,752,110; Mar. 25.
- Remy, Wilhelm. (See Roitzheim, A., and Remy.)
- Renault, Louis. (See Saives, Léon, assignor.)
- Rench, Leonard R., Cleveland, Ohio. Holder and container. 1,743,481; Jan. 14.
- Renck, Heinrich, Hamburg, Germany. Production of printing. 1,785,210; Dec. 16.
- Rendall, William S., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Leer. 1,766,545; June 24.
- Rendleman, Norman C., Dormont, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Rolled-metal beam. 1,757,388; May 6.
- Renfer, John E., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill-steel retainer. 1,779,107; Oct. 21.
- Renfer, John E., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Valve-stem lock. 1,779,108; Oct. 21.
- Renfer, John E., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Air-line oiler. 1,783,522; Dec. 2.
- Renfrew Machinery Company, Limited. (See Vandecan, Edouard, assignor.)
- Renfrew, Paul B., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Casing for a dispensing apparatus. Des. 81,724; July 29.
- Renfrew, Paul B., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Dispensing casing. Des. 82,282; Oct. 14.
- Rengmann, Thure, Berlin-Charlottenburg, Germany. Paper file. 1,760,776; May 27.
- Renholdt, John E. (See Lucarelle, J. M., and Renholdt.)
- Reninger, Frank J. (See Moyer, F. W., and Reninger.)
- Renn, Harold V. E. M. (See Wardley, T., and Renn.)
- Renn, Harry J. (See Meador, Walter A., assignor.)
- Rennack, Paul A., Genesee Depot, Wis. Leg-holding casting. 1,764,226; June 17.
- Renneburg, Edw., & Sons Co. (See Renneburg, Frederick P., assignor.)
- Renneburg, Frederick P., assignor to Edw. Renneburg & Sons Co., Baltimore, Md. Process and apparatus for drying material. 1,771,141; July 22.
- Renner, Harold G., Detroit, Mich. Rivetable nut. 1,757,142; May 6.
- Renner, Harold G., Detroit, Mich. Nut mounted upon sheet metal. 1,757,143; May 6.
- Rennerfelt, Ture G., Stockholm, Sweden. Friction gearing. 1,757,476; May 6.
- Renno, Eberhardt. (See Sünder, J., and Renno.)
- Renshaw, Joseph H., Cincinnati, Ohio, assignor to Continental Can Company, Inc., New York, N. Y. Attachment for can-body makers. 1,787,324; Dec. 30.
- Rensink, George C., Denver, Colo. Air cleaner for internal-combustion engines. 1,773,600; Aug. 19.
- Rensonnet, Oscar, Etterbeek-Brussels, Belgium, assignor to H. Dujardin, New York, N. Y. Steering sight adapted to be fitted to the mud guards of motor vehicles. 1,784,466; Dec. 9.
- Renton, David M., E. N. Long, jr., and A. E. Murphy, Avalon, assignors to Santa Catalina Island Company, Avalon, Calif. Stone spreader. 1,784,202; Dec. 9.
- Rentos, Costas G., New York, N. Y. Cutting or slicing device. 1,748,997; Mar. 4.
- Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Incandescent cathode device. 1,749,780; Mar. 11.
- Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Vacuum device and method of manufacture. 1,757,976; May 13.
- Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Electric discharge device. 1,760,524; May 27.
- Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Electrode. 1,760,526; May 27.
- Rentschler, Harvey C., J. W. Marden, and C. T. Ulrey, East Orange, N. J., assignors to Westinghouse Lamp Company. Electron-emission material. 1,760,440; May 27.
- Rentschler, Harvey C., East Orange, and W. W. Merryman, Glen Ridge, N. J., assignors to Westinghouse Lamp Company. Rectifier. 1,760,525; May 27.
- Rentz, Frank B., and W. E. Fantle, Yankton, S. Dak. Mechanical toy. 1,758,061; May 13.
- Renwick, Charles S. (See Tittlemore, F. A., and Renwick.)
- Renwick, Herbert P., assignor to Star Specialty Mfg. Company, Chicago, Ill. Exhaust heater. 1,742,873; Jan. 7.
- Renwick, Thomas R. (See Baldwin, M. D., Kurkjian, and Renwick.)
- Renwick, Thomas R., assignor to Oliver Machinery Company, Grand Rapids, Mich. Woodworking shaper. 1,742,217; Jan. 7.
- Renworth, Frederick W., et al. (See Remondino, Charles H. E., assignor.)
- Renzulli, Valentino, Bridgeport, Conn. Eaves-trough-drain strainer. 1,767,773; June 24.
- Reo Motor Car Company. (See Hildorf, Walter G., assignor.)
- Reo Motor Car Company. (See Hildorf, W. G., and Sergardi, assignors.)
- Reo Motor Car Company. (See Poetzinger, William S., assignor.)
- Reo Motor Car Company. (See Prez, Robert M., assignor.)
- Reo Motor Car Company. (See Shaw, Harry A., assignor.)
- Reo Motor Car Company. (See Thomas, Horace T., assignor.)
- Reo Motor Car Company. (See Wells, Walter W., assignor.)
- Repcheck, John A. (See Schwimer, M. J., and Repcheck.)
- Repenning, Albert E., Oak Park, Ill., assignor to Orange-Crush Company, Chicago, Ill. Dispenser display stand. Des. 81,503; July 1.
- Repenning, Albert E., and C. J. Howel, assignors to Orange-Crush Company, Chicago, Ill. Agitating display jar. 1,786,450; Dec. 30.
- Replogle, Daniel B., Berkeley, Calif. Centrifugal fan and making the same. 1,758,062; May 13.
- Replogle, Daniel B., Berkeley, Calif., assignor to The Commerce Guardian Trust & Savings Bank, Toledo, Ohio, as trustee. Airway dust filter and connections therefor. 1,759,276; May 20.
- Replogle, John R., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 1,753,943; Apr. 8.
- Replogle, John R., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Air-cooled refrigeration apparatus. 1,753,944; Apr. 8.
- Replogle, John R., assignor to Kelvinator Corporation, Detroit, Mich. Thermostat controller. 1,753,945; Apr. 8.
- Replogle, John R., assignor to Kelvinator Corporation, Detroit, Mich. Lid for refrigerating cabinets. 1,753,946; Apr. 8.
- Replogle, John R., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 1,764,645; June 17.
- Replogle, John R., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Control mechanism for mechanical refrigerating apparatus. 1,764,749; June 17.
- Replogle, John R., assignor to Kelvinator Corporation, Detroit, Mich. Valve. 1,780,242; Nov. 4.
- Replogle, John R., assignor to Kelvinator Corporation, Detroit, Mich. Mechanically-refrigerated cabinet. 1,780,243; Nov. 4.
- Replogle, John R., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 1,781,193; Nov. 11.
- Repp, Clinton B., Plainfield, N. J. Nutcracker. 1,785,328; Dec. 16.
- Reppe, Walter, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing primary amines. 1,762,742; June 10.

- Reppman, Albert, London, England. Adjustable roof for furnaces. 1,770,806; July 15.
- Reps, Walter W., Mount Vernon, and J. Baer, assignors to Jaciel Perfumers, Inc., New York, N. Y. Folding container. 1,747,601; Feb. 18.
- Republic Brass Company, The. (See Bloch, Leon, assignor.)
- Republic Brass Company, The. (See Fischer, Arthur I., assignor.)
- Republic Flow Meters Co. (See Cunningham, Arthur B., assignor.)
- Republic Flow Meters Co. (See Freeman, Ernest H., assignor.)
- Republic Flow Meters Co. (See Leahy, Frank E., assignor.)
- Republic Flow Meters Company. (See Spitzglass, Albert F., assignor.)
- Republic Iron and Steel Company. (See Elliott, Charles H., assignor.)
- Republic Metalware Company. (See McCaig, W. J., and Padelford, assignors.)
- Republic Metalware Company, The. (See Padelford, Lester E., assignor.)
- Republic Motor Truck Company. (See Farrell, Harry F., assignor.)
- Republic Steel Corporation. (See Bowman, Kiel B., assignor.)
- Republic Steel Corporation. (See FitzGerald, J. G., and Ripple, assignors.)
- Republic Steel Corporation. (See Forrest, Andrew, assignor.)
- Republic Steel Corporation. (See Mix, Edward H., assignor.)
- Republic Steel Corporation. (See Newpher, Charles F., assignor.)
- Republic Steel Corporation. (See Sergeson, Robert, assignor.)
- Republic Steel Corporation. (See Williams, Julius E., assignor.)
- Republic Truck Sales Corporation. (See Haggart, John C., Jr., assignor.)
- Re Qua, Frederick L., San Francisco, and A. S. Kalenborn, Redwood City, assignors to Welding Service Inc., San Francisco, Calif. Rail-grinding machine. 1,772,636; Aug. 12.
- Resch, Henry, Bayonne, N. J., assignor, by mesne assignments, to Elliott-Fisher Company. Combined typewriting and computing machine. 1,744,502; Jan. 21.
- Resch, Henry, Bayonne, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,755,190; Apr. 22.
- Reschke, William F., Wichita, Kans. Pumping unit. 1,778,228; Oct. 14.
- Reschke, William F., Wichita, Kans. Mechanical movement. 1,782,697; Nov. 25.
- Research Corporation. (See Wintermute, H. A., and Hedberg, assignors.)
- Resek, Marc. (See Chadwick, L. S., and Resek.)
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Starting burner for retort stoves. 1,763,672; June 17.
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Refrigerator. 1,763,673; June 17.
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Automatic heat regulator. 1,763,721; June 17.
- Reserve Holding Company. (See Crocker, Thomas F., assignor.)
- Reserve Holding Company. (See Gould, Roy F., assignor.)
- Reserve Holding Company. (See Lomax, Clarence E., assignor.)
- Reserve Holding Company. (See Nessell, Clarence W., assignor.)
- Reserve Holding Company. (See Ruggles, Leonard L., assignor.)
- Reserve Holding Company. (See Bellamy, John I., assignor.)
- Reserve Holding Company. (See Crocker, Thomas F., assignor.)
- Reserve Holding Company. (See Gould, Roy F., assignor.)
- Reserve Holding Company. (See Levy, Oscar C., assignor.)
- Reserve Holding Company. (See Lomax, Clarence E., assignor.)
- Reserve Holding Company. (See Obergfell, H. F., and Riebe, assignors.)
- Reserve Holding Company. (See Ruggles, Leonard L., assignor.)
- Reserve Holding Company. (See Saunders, Norman H., assignor.)
- Reserve Holding Company. (See Saunders, N. H., Lomax, and Riebe, assignors.)
- Reserve Holding Company. (See Saunders, Norman H., assignor.)
- Reserve Holding Company. (See Sengebusch, Hans, assignor.)
- Reserve Holding Company. (See Smith, Arthur B., assignor.)
- Reserve Holding Company. (See Stehlik, Rudolph F., assignor.)
- Reserve Holding Company. (See Tharp, Victor S., assignor.)
- Reserve Holding Company. (See Tharp, V. S., and Wicks, assignors.)
- Reserve Holding Company. (See Wicks, John, assignor.)
- Reshaw, George O., Los Angeles, Calif. Basket. 1,750,117; Mar. 11.
- Resinous Products & Chemical Company, The. (See Brunson, Herman A., assignor.)
- Resisto Manufacturing Company. (See Strauss, Nathan J.)
- Resler, William F., Clay Center, Kans. Jack. 1,743,005; Jan. 7.
- Resnick, Heim W., Wichita, Kans. Ignition and generating means for gasoline lamps. 1,750,861; Mar. 18.
- Respats Inc. (See Respass, Roland B., assignor.)
- Respass, Roland B., Wickford, assignor, by mesne assignments, to Respats, Inc., Cranston, R. I. Method and apparatus for producing fibrous material. 1,770,430; July 15.
- Respass, William R., New York, assignor to L. C. L. Smith, Long Island City, N. Y. Heat, cold, and sound insulating material. 1,749,159; Mar. 4.
- Resto, John, New York, N. Y. Curtain tie back or similar article. Des. 82,178; Sept. 30.
- Restucci, Giuseppe, assignor to Francesco Vitale, Naples, Italy. Device for superheating and drying steam. 1,767,096; June 24.
- Rettenmeyer, Frederick W., assignor to The Napier Company, Meriden, Conn. Metal unit for jewelry. Des. 80741; Mar. 18.
- Retterer, Raymond W. (See Karibo, E. C., Pearce and Retterer.)
- Reubush, Robert F., Philadelphia, Pa. Collapsible container. 1,754,403; Apr. 15.
- Reukauf, Edward, Jr., assignor to Carey-McFall Co., Philadelphia, Pa. Securing window shades to metallic rollers. 1,747,081; Feb. 11.
- Reukauf, Edward, Jr., assignor to Carey-McFall Co., Philadelphia, Pa. Window shade. 1,781,557; Nov. 11.
- Reule, Michael, Charleston, Ill. Automatic control for electric sirens. 1,753,579; Apr. 8.
- Reuscher, Fritz. (See Balz, O., and Reuscher.)
- Reuss, Arthur E., assignor to The General Iron Works Company, Cincinnati, Ohio. Heating device. 1,758,466; May 13.
- Reutener, Edgar W., Bay Village, assignor to The Wm. A. Howe Company, Cleveland, Ohio. Hinge-tape-affixing machine. 1,769,391; July 1.
- Reuter, Fred M., Chicago, Ill. Building construction. 1,767,401; June 24.
- Reuter, Henry C., Chicago, Ill. Frame for windows or the like. Des. 82,626; Nov. 25.
- Reuter, Henry C., Chicago, Ill. Store-front construction. 1,776,818; Sept. 30.
- Reuter, Maurice, Paris, France, assignor to F. M. P. de R. van der Gracht, Baarn, Netherlands. Nut or screw connection with device to prevent loosening. 1,747,082; Feb. 11.
- Reuter, Robert, assignor to Schufabrik Hassia A.-G., Offenbach-on-the-Maine, Germany. Edge-folding machine. 1,771,968; July 29.
- Reuter, Sara Y., New York, N. Y. Garment buckle. 1,769,753; July 1.
- Reuther, Johann W., Hennef-on-the-Sieg, Germany. Packing device for automatic sack-weighing machines. 1,777,224; Sept. 30.
- Reutter, Frederick, assignor to Scovill Manufacturing Company, Waterbury, Conn. Holder for soap sticks and the like. 1,760,886; June 3.
- Reutter, John W., Wilmington, Del. Piston-pin vise. 1,761,366; June 3.
- Reutter, Philip A. (See Wild, H. W., and Reutter.)
- Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Soap-stick holder. 1,742,728; Jan. 7.
- Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. 1,744,142; Jan. 21.
- Revel, Louis, Le Vigan, France. Filter press. 1,785,494; Dec. 16.
- Revelli, Bethel A., Turin, Italy. Four-barreled pistol. 1,772,227; Aug. 5.
- Revelli, Bethel-Abiel, assignor to Armamenti Militari S. A., Turin, Italy. Automatic firearm. 1,759,277; May 20.
- Revere Copper and Brass Incorporated. (See Steele, Maurice G., assignor.)
- Revere Rubber Company. (See Bannister, Allan S., assignor.)
- Revere Rubber Company. (See Christophersen, Herbert, assignor.)
- Revere Rubber Company. (See Greene, Albert G., assignor.)
- Revis, Margaret C., Weaverville, assignor to Allanstand Cottage Industries, Incorporated, Asheville, N. C. Cornshuck doll. Des. 81,460; June 24.
- Revis, Margaret C., Weaverville, assignor to Allanstand Cottage Industries, Incorporated, Asheville, N. C. Cornshuck doll. Des. 81,461; June 24.
- Rew, Charles M., Chicago, Ill. Pencil sharpener. 1,775,601; Sept. 9.
- Rewald, Bruno, Hamburg, Germany. Production of egg-yolk substitutes. 1,762,077; June 3.
- Rewald, Bruno, Hamburg, Germany. Auxiliary means for leather dressing. 1,779,012; Oct. 21.
- Rex Manufacturing Company. (See Hull, Robert W., assignor.)

- Rex Paper Company. (See Cole, Arthur W., assignor.)
 Rex Paper Company. (See Nendorf, H., and Cole, assignors.)
 Rex Paper Company. (See Kendall, Harry C., assignor.)
 Rex Research Corporation. (See Miller, James L., assignor.)
 Rex-Watson Corporation. (See Moore, John T., assignor.)
 Rexinger, Otto M., Beverly Hills, Calif. Window grating. Re17,911; Dec. 23.
 Reyher, Kurt. (See Stump, M., and Reyher.)
 Reynard, Jonah, assignor to The Loomis Machine Company, Tiffin, Ohio. Cable-line attachment for drilling machines. 1,769,164; July 1.
 Reynard, Otto, Chelsea, London, England. Obtaining from seaweed a stable form of alginic acid and its compounds. 1,778,688; Oct. 14.
 Reyner, John H., Boreham Wood, and A. H. Curtis, Bedford, England. Electrical apparatus. 1,755,934; Apr. 22.
 Reynolds, Anita S. (See Reynolds, John N. and A. S.)
 Reynolds, Anita S. and J. N., Greenwich, Conn. Clutch mechanism. 1,771,352; July 22.
 Reynolds, Arthur W., assignor to The Babcock Manufacturing Company, Leonardsville, N. Y. Cultivator. 1,760,001; May 27.
 Reynolds, Arthur W., assignor to The Babcock Manufacturing Company, Leonardsville, N. Y. Spring tooth for harrows and the like. 1,784,613; Dec. 9.
 Reynolds, Boyd, McKeesport, Pa. Safety attachment for vehicle wheels. 1,756,212; Apr. 29.
 Reynolds, Ernest. (See Wilson, T. A. D., and Reynolds.)
 Reynolds, Edward, Whittier, Calif. Weed cutter. 1,778,773; Oct. 21.
 Reynolds, Edward L., Tulsa, Okla. Aircraft empennage. 1,749,507; Mar. 4.
 Reynolds, Edward P., Anaheim, Calif. Oil pump. 1,755,516; Apr. 22.
 Reynolds Electric Company. (See Belanger, Albert P. D., assignor.)
 Reynolds, Frank A., Lowell, Mass., assignor, by mesne assignments, to Lowell Machine Company. Continuous fruit-cutting and seed-celling machine. 1,765,310; June 17.
 Reynolds, Frank A., and L. F. L. Turcotte, Lowell, Mass., assignors, by mesne assignments, to Lowell Machine Company. Seed-celling machine. 1,758,621; May 13.
 Reynolds, Frederick N., Amarillo, Tex. Check holder. Des. 81,257; May 27.
 Reynolds, Frederick W., Grantwood, N. J., assignor to American Telephone and Telegraph Company. Electro-optical transmission system. 1,773,119; Aug. 19.
 Reynolds, Frederick W., Grantwood, N. J., assignor to American Telephone and Telegraph Company. Electro-optical transmission. 1,780,364; Nov. 4.
 Reynolds, Harold J. (See Caraway, J. C., and Reynolds.)
 Reynolds, Harry H., assignor to A. M. Ryckoff, Chicago, Ill. Street sign. 1,777,734; Oct. 7.
 Reynolds, Howard, New Orleans, La., assignor to R. Hoe & Co., Inc., New York, N. Y. Web-cutting mechanism. 1,749,546; Mar. 4.
 Reynolds, Irving H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Condenser. 1,762,107; June 3.
 Reynolds, Irving W., assignor to The Foxboro Company, Foxboro, Mass. Measuring instrument. 1,781,246; Nov. 11.
 Reynolds, John L., Long Island City, N. Y., assignor, by mesne assignments, to Electrical Research Products Inc. System for electrically transmitting and reproducing sound. 1,785,048; Dec. 16.
 Reynolds, John N. (See Reynolds, Anita S. and J. N.)
 Reynolds, John N. and A. S., Greenwich, Conn. Meteorological indicator. 1,745,714; Feb. 4.
 Reynolds, Lynus C., Sweetwater, Tenn. Index sheet and binding means therefor. 1,755,517; Apr. 22.
 Reynolds, Lynus C., Sweetwater, Tenn. Sheet binder. 1,760,564; May 27.
 Reynolds, Lynus C., Chicago, Ill., assignor to The Tabulating Machine Company, Endicott, N. Y. Punch. 1,761,682; June 3.
 Reynolds Machine Company, The. (See Brown, G. C., and McNulty, assignors.)
 Reynolds, Mary A. (See Anthony, Leon P., assignor.)
 Reynolds, Morley P., Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Woven-wire screen. 1,767,814; June 24.
 Reynolds, Morley P., Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Separating solids from liquids. 1,775,830; Sept. 16.
 Reynolds, Morley P., Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Apparatus for screening materials. 1,781,526; Nov. 11.
 Reynolds, Nelson B. (See Sawyer, Wilfred D., assignor.)
 Reynolds, Owen, Long Island City, N. Y. Siesta eyeshade. 1,743,801; Jan. 14.
 Reynolds Portable Furnace Co. (See Richardson, Wilbert L., assignor.)
 Reynolds, Ralph K., assignor to Mallory Hat Company, Danbury, Conn. Hat construction. 1,772,288; Aug. 5.
 Reynolds, Ralph W. (See Anthony, Leon P., assignor.)
 Reynolds, Richard, Nashville, Tenn. Bumper for motor cars and automobiles. 1,786,865; Dec. 30.
 Reynolds, Richard S., assignor to United States Fuel Company, Louisville, Ky. Roofing. 1,753,303; Apr. 8.
 Reynolds, Robert A., Detroit, Mich. Internal-combustion engine. 1,781,704; Nov. 18.
 Reynolds, S. H., Sons Company. (See Anderson, Carl G., assignor.)
 Reynolds Spring Company. (See Cunningham, Roy H., assignor.)
 Reynolds Spring Company, The. (See Lovell, Clarence V., assignor.)
 Reynolds Spring Company. (See McElroy, Robert E., assignor.)
 Reynolds Spring Company. (See Wisner, Abram C., assignor.)
 Reynolds, Terry T., North Uvalde, Tex. Fish-weighing scale for fishing rods. 1,750,193; Mar. 11.
 Reynolds, Thomas G., Toronto, Ontario, Canada. Water container. 1,742,279; Jan. 7.
 Reynolds, William. (See Meccia, J. B., and Reynolds.)
 Reyrolle, A., & Company Limited. (See Allan, Archibald, assignor.)
 Reyrolle, A., & Company Limited. (See Coates, Frank, assignor.)
 Reyrolle, A. & Company Limited. (See Gallop, C. C., and Gardner, assignors.)
 Reyrolle, A., & Company Limited. (See Scott, E. W. M., and Leeson, assignors.)
 Reyrolle, A., & Company Limited. (See Willoughby, Ralph, assignor.)
 Rhea, George F., Greeneville, Tenn. Wire and pick holder for florists. 1,763,986; June 17.
 Rheem Manufacturing Company. (See Maynard, B. B., and de Sanno, assignors.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Eichenauer, Konrad, assignor.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Fügen, P. and Kost, assignors.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Herlach, Fritz, assignor.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Herlach, F., and Rakula, assignors.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Rühlemann, Herbert, assignor.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Schuler, Hermann, assignor.)
 Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung. (See Schüllkopf, K., and Serini, assignors.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Schottelius, Bernhard, assignor.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Schüler, H., and Herlach, assignors.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Schuler, Hermann, assignor.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Stange, Louis, assignor.)
 Rheinische Metallwaaren-und Maschinenfabrik Sömmerda Aktiengesellschaft. (See Kottmann, August, assignor.)
 Rheinische Metallwaaren-und Maschinenfabrik Sömmerda Aktiengesellschaft. (See Luce, Hans, assignor.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Sundbaussen, Hermann, assignor.)
 Rheinische Metallwaaren-und Maschinenfabrik. (See Witzell, Karl, assignor.)
 Rhenania-Kunheim Verein Chemischen Fabriken Aktiengesellschaft. (See von Dieterich, Wilhelm, assignor.)
 Rhenania Verein Chemischer Fabriken Aktiengesellschaft. (See Brenek, Hans, assignor.)
 Rhenania Verein Chemisches Fabriken A. G. (See Rothe, F., and Brenek, assignors.)
 Rhett, Henry P., Bedford, Va. Gear wheel. 1,744,576; Jan. 21.
 Rhinevault, Glenn G., assignor to W. B. Mershon Co., Saginaw, Mich. Guide for bandsaws. 1,764,183; June 17.
 Rhoades, Emily G. (See Rhoades, Robert H. and E. G.)
 Rhoades, Robert H. and E. G., Beech Grove, Ind. Portable dish-washing cabinet. 1,769,165; July 1.
 Rhoades, William, San Leandro, Calif. Apparatus for treating carbonaceous material. 1,743,394; Jan. 14.
 Rhoda, Ralph H. M., Allentown, Pa. Box-stringing machine. 1,773,009; Aug. 12.
 Rhodes, Charles F., Glens Falls, N. Y., assignor to International Paper Company. White-water sampler for paper-making machines. 1,769,308; July 1.
 Rhodes, Charles F., Glens Falls, assignor to International Paper Company, New York, N. Y. Mechanism for sampling materials. 1,769,461; July 1.
 Rhodes, Charles F., Glens Falls, assignor to International Paper Company, New York, N. Y. Method of and mechanism for sampling materials. 1,769,462; July 1.
 Rhodes, Cooper B., Washington, D. C. Ice-cube tray. 1,755,795; Apr. 22.
 Rhodes, Fred H., Ithaca, N. Y. Chemical reagent. 1,746,676; Feb. 11.
 Rhodes, Fred H., Ithaca, N. Y. Chemical reagent. 1,746,677; Feb. 11.
 Rhodes, Fred H., Ithaca, N. Y. Chemical reagent. 1,746,678; Feb. 11.
 Rhodes, Fred H., Ithaca, N. Y. Chemical reagent. 1,746,679; Feb. 11.
 Rhodes, Fred H., Ithaca, N. Y. Chemical reagent. 1,746,680; Feb. 11.
 Rhodes, Jesse T., Brooklyn, N. Y. Clock case. Des. 81,148; May 13.
 Rhodes, Marcus H., University City, Md. Switch. 1,773,697; Aug. 19.
 Rhodes, William. (See Savage, P. L., and Rhodes.)

- Rhodes, William A. (See Peterson, G. H., and Rhodes.)
Rhodes, William A., New York, N. Y., and J. F. Dahl, Newark, N. J.; said Rhodes assignor to American Telephone and Telegraph Company and said Dahl assignor to Western Electric Company, Incorporated, New York, N. Y. Trunking system. 1,746,793; Feb. 11.
- Rhodes, William A., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,757,217; Mar. 6.
- Rhodes, William T., Mariposa, Calif. Surveying instrument. 1,785,284; Dec. 16.
- Rhodesia Broken Hill Development Company, The. (See Stevens, R. H., Norris, and Watson, assignors.)
- Rhodin, Carl J., Oakland, Calif. Combination radius rod and torque arm. 1,759,370; May 20.
- Rhodus, Thomas, Chicago, Ill. Rheostat. 1,776,664; Sept. 23.
- Rial, Wirt D., Wilmington, and W. R. Barratt, Palos Verdes Estates, assignors, by mesne assignments, to Richfield Oil Company of California, Los Angeles, Calif. Recovering waste clays. 1,782,744; Nov. 25.
- Ribard, Jean L., Paris, France. Oar blade or the like. 1,786,451; Dec. 30.
- Ribbe, Hugo. (See Martin, William M., assignor.)
- Ribbeck, Otto. (See Kohlmeier, Gustav, assignor.)
- Ribelastic Company. (See Wilkinson, Richard J., assignor.)
- Ribieras, Louis, Issy-les-Moulineaux, France. Combined recording and metering apparatus. 1,744,176; Jan. 21.
- Riblet, Byron C., Spokane, Wash. Cable grip. 1,764,469; June 17.
- Riblet, Byron C., Spokane, Wash. Landing and launching ways. 1,774,670; Sept. 2.
- Ribside Furnace Company. (See Beese, Herman, assignor.)
- Ricard, Eloi, Melle, France, assignor, by mesne assignments, to U. S. Industrial Alcohol Co., New York, N. Y. Manufacture of absolute alcohol. 1,744,503; Jan. 21.
- Ricard, Eloi, Melle, France, assignor, by mesne assignments, to U. S. Industrial Alcohol Co., New York, N. Y. Manufacture of absolute alcohol. 1,744,504; Jan. 21.
- Ricard, Eloi, Melle, assignor to Societe Ricard, Allenet & Cie., Melle, Deux-Sevres, France. Converting gaseous aliphatic ethylene hydrocarbons into liquid hydrocarbons. 1,745,028; Jan. 28.
- Ricard, Eloi, Melle, France, assignor, by mesne assignments, to U. S. Industrial Alcohol Co., New York, N. Y. Dehydration of impure ethyl alcohol. 1,763,722; June 17.
- Ricard, Eloi, assignor to Société Anonyme des Distilleries des Deux-Sevres, Melle, France. Increasing the output in the extraction of crystallized sugar from molasses and sirups. 1,776,819; Sept. 30.
- Ricardo, Harry R., London, England. Attachment for carburetors. 1,745,813; Feb. 4.
- Ricardo, Harry R., London, England. Self-aligning spherical joint or bearing. 1,751,357; Mar. 18.
- Ricardo, Harry R., London, England. Compressor for air or gas. 1,755,075; Apr. 15.
- Ricardo, Harry R., London, England. Multicylinder reciprocating engine. 1,767,309; June 24.
- Ricardo, Harry R., London, and John F. Alcock, Worthing, England; said Alcock assignor to said Ricardo. Fluid-pressure engine, pump, and compressor. 1,776,982; Sept. 30.
- Riccia, Angelo D., Brussels, Belgium. Electric installation in combination with pressure-splitting device. 1,760,777; May 27.
- Rice & Adams Corporation. (See Hauk, Joseph, assignor.)
- Rice, Barton & Fales, Incorporated. (See Lamoureux, George, assignor.)
- Rice, Barton & Fales, Incorporated. (See Lodding, Frederick W., assignor.)
- Rice, Barton & Fales, Incorporated. (See Smith, H. A., Thomson, and Stafford, assignors.)
- Rice, Barton & Fales, Incorporated. (See Vedder, John W., assignor.)
- Rice, Barton & Fales, Inc. (See Vedder, J. W. Lodding, and Lamoureux, assignors.)
- Rice, Carl E., Topeka, Kans. Jack. 1,742,559; Jan. 7.
- Rice, Charles A., Dunnegan, Mo. Shifting-shovel cultivating gang. 1,765,177; June 17.
- Rice, Charles P., New York, N. Y. Display stand. 1,758,976; May 20.
- Rice, Clarence L., Delta, Iowa. Egg carrier. 1,752,574; Apr. 1.
- Rice, Cyrus W., Pittsburgh, Pa. Detector. 1,769,463; July 1.
- Rice, David A., St. Anthony, Idaho. Potato harvester. 1,771,447; July 29.
- Rice, Edgar W., Yonkers, N. Y. Method of and apparatus for reactivating charcoal. 1,758,202; May 13.
- Rice, Frank E., Detroit, Mich. Carbonator. 1,773,375; Aug. 19.
- Rice, Frank E., Detroit, Mich. Clarifying and carbonating apparatus. 1,777,327; Oct. 7.
- Rice, Frank E., assignor to American Tap Bush Company, Detroit, Mich. Liquid-dispensing device. 1,772,111; Aug. 5.
- Rice, George E., Brooklyn, N. Y., assignor to Conservation Corporation of America. Producing wood pulp. 1,769,189; July 1.
- Rice, George S., Washington, D. C. Blasting apparatus. 1,751,659; Mar. 25.
- Rice, Harold G., Chicago, Ill. Bottle capper. 1,754,000; Apr. 8.
- Rice, Harold G., Chicago, Ill. Holder for socket-wrench sets. 1,784,203; Dec. 9.
- Rice, Howard E., Miami, Fla. Foldable chair. 1,784,390; Dec. 9.
- Rice, Howard, and G. A. Mutch, assignors to Hidawae Products Corporation, Miami, Fla. Window and door. 1,751,358; Mar. 18.
- Rice, James L., Los Angeles, Calif. Rear-vision mirror. 1,771,061; July 22.
- Rice, John A., Berkeley, Calif., assignor to The Bubblestone Company, Pittsburgh, Pa. Making porous products. 1,749,508; Mar. 4.
- Rice, John A., Berkeley, Calif., assignor to The Bubblestone Company, Pittsburgh, Pa. Apparatus for producing foam. 1,753,429; Apr. 8.
- Rice, John A., Berkeley, Calif., assignor to The Bubblestone Company, Pittsburgh, Pa. Making porous concrete by forcing air into cement slurries. 1,769,275; July 1.
- Rice, John A. and R. B., Berkeley, Calif. Apparatus for producing cellular cementitious material. 1,769,309; July 1.
- Rice, John S. (See Dudley, Colon J., assignor.)
- Rice, John S., Biglerville, Pa., and J. W. Trew, Baltimore, Md.; said Trew assignor to said Rice. Basket liner. 1,758,851; May 13.
- Rice, Julian B., New Rochelle, N. Y., and T. Kruger, Peoria, Ill., assignors to International Combustion Engineering Corporation, New York, N. Y. Feeder for pulverized fuel and the like. 1,778,774; Oct. 21.
- Rice, Oscar, Chicago, Ill. Concrete anchor. 1,785,648; Dec. 16.
- Rice, Owen R., assignor to Freyn Engineering Company, Chicago, Ill. Inwall cooling plate. 1,749,395; Mar. 4.
- Rice, Percy F., Tustin, Calif. Liquid-level indicator. 1,767,699; June 24.
- Rice, Philip X., Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va. Train-control system. 1,775,051; Sept. 2.
- Rice, Raymond E., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,753,200; Apr. 8.
- Rice, Richard B. (See Rice, John A. and R. B.)
- Rice, Thomas B., jr., Philadelphia, Pa. Safety guard. 1,746,053; Feb. 4.
- Rice, Thomas E., Des Moines, Iowa. Cotton picker. 1,763,480; June 10.
- Rice, Thomas G., Hammondsport, N. Y. Extensible ladder foot. 1,751,173; Mar. 18.
- Rice, William A., Jerseyville, Ill. Method of and apparatus for separating seeds. 1,755,747; Apr. 22.
- Rice, William A., assignor to Universal Button Fastening and Button Company, Detroit, Mich. Suspender-adjusting device. 1,779,449; Oct. 28.
- Ricefield, Louis, Oak Park, Ill. Coupling. 1,748,146; Feb. 25.
- Rich, Anthony P., Latrobe, Pa. Railroad highway crossing. 1,769,464; July 1.
- Rich, Charles H., Woolrich, Pa. Brush-cutting-tool head. 1,775,226; Sept. 9.
- Rich, Cuyler W. (See Rich, Stelmer D., assignor.)
- Rich, Edward E., Chicago, Ill. Vehicle signal. Des. 81,074; Apr. 29.
- Rich, Elmer A., jr., Chicago, Ill., assignor to The American Foundry Equipment Company, New York, N. Y. Revolving-barrel sand-blast machine. 1,770,013; July 8.
- Rich, Henry, Elmo Township, Otter Tail County, Minn. Portable sawing machine. 1,784,709; Dec. 9.
- Rich, John L., Ottawa, Kan. Apparatus for cutting channels in the earth. 1,773,407; Aug. 19.
- Rich, Leon W., et al. (See Zim, Jesse G., assignor.)
- Rich, Malcolm N. (See Marden, J. W., and Rich.)
- Rich, Stelmer D., assignor of one-half to C. W. Rich, Newport, Me. Air heater. 1,785,649; Dec. 16.
- Richard, Clement C., assignor to Allied Products Corporation, Detroit, Mich. Punch and die retainer. 1,785,495; Dec. 16.
- Richard, Eugene C. (See Cataline, B., and Richard.)
- Richard, Eugene C., assignor to Marvel Carburetor Company, Flint, Mich. Carburetor. 1,766,689; June 24.
- Richard, John P., Springfield, Colo. Combination agricultural machine. 1,748,308; Feb. 25.
- Richard, Pierre A., assignor to La Société du Film en Couleurs Keller-Dorian, Paris, France. Color photography. 1,750,358; Mar. 11.
- Richard, René G. (See Parks, M. G., and Richard.)
- Richard, William E. (See Brackett, W. A., and Richard.)
- Richard, William E., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind. Dynamo-electric machine. 1,753,533; Apr. 8.
- Richards, Alfred E. (See Hope, E., and Richards.)
- Richards, Alfred E. (See Ricks, F., and Richards.)
- Richards, Anna J. (See Richards, Ralph W., assignor.)
- Richards, Benjamin, Kenilworth, Ill., assignor, by mesne assignments, to American La France and Foamite Corporation. Automatic fire-protection device. 1,761,406; June 3.
- Richards, Charles F., White Haven, Pa. Hydraulic coal and ore washing and separating machine. 1,746,557; Feb. 11.
- Richards, Claude E. (See Griffiths, Benjamin, assignor.)
- Richards, Daniel W. (See Lavarack, F. C., and Richards.)
- Richards, David K., Hilo, Hawaii. Sugar drier. 1,782,177; Nov. 18.

- Richards, David R., St. Louis, Mo. Car truck. 1,744,986; Jan. 28.
- Richards, Earl M., assignor to H. O. Swoboda, Inc., Pittsburgh, Pa. Ironing machine. 1,771,818; July 29.
- Richards, Edward. (See Richards, Warren and E.)
- Richards, Edward M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Combined radio and phonograph cabinet or similar article. Des. 81,808; Aug. 12.
- Richards, Francis H., Bryn Mawr, Pa. Barn and other building. 1,768,861; July 1.
- Richards, Frank E., Jackson, Miss. Folding pants press. 1,762,078; June 3.
- Richards, Frank W., Nampa, Idaho. Door holder. 1,780,403; Nov. 4.
- Richards, Frederick T., assignor to Stover Manufacturing & Engine Co., Freeport, Ill. Combined power and clinker tongs. 1,742,727; Jan. 7.
- Richards, George, assignor of one-half to A. Rassogianis, Chicago, Ill. Refrigerating system. 1,776,451; Sept. 23.
- Richards, Howard N. (See Swars, P. G., and Richards.)
- Richards, James H. (See Duffy, J. U., and Richards.)
- Richards, Julius H., Torrington, Conn., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,756,068; Apr. 29.
- Richards, James, and N. Cortese, Arnold, Pa. Anticreeper for railway rails. 1,783,482; Dec. 2.
- Richards, Julius H., Springfield, Mass., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine starter. 1,758,173; May 13.
- Richards, Ralph W., assignor to A. J. Richards, Atchison, Kans. Machine for plucking poultry. 1,755,665; Apr. 22.
- Richards, Warren and E., Klamath Falls, Oreg. Cutting and grinding mechanism. 1,751,174; Mar. 18.
- Richards, Willard F., Depew, assignor to The Symington Company, New York, N. Y. Slack adjuster. 1,770,043; July 8.
- Richards-Wilcox Manufacturing Company. (See Lamm, Francis A., assignor.)
- Richards-Wilcox Manufacturing Company. (See Phillips, Ellis J. G., assignor.)
- Richards, Willard F., Depew, N. Y., assignor to The Gould Coupler Company, New York, N. Y. Coupler. Re17,690; June 3.
- Richards, William F. (See Frohring, W. O., and Richards.)
- Richards, William F., Mason, Mich., assignor to The Laboratory Products Company, Cleveland, Ohio. Baffle. 1,764,983; June 17.
- Richards, William L., Bellingham, Wash. Moth catcher. 1,770,626; July 15.
- Richardson, Allen C., Shelbyville, assignor of one-half to E. Presnell, Pana, Ill. Animal trap. 1,757,218; May 6.
- Richardson, Annie. (See Richardson, Sidney, assignor.)
- Richardson, Bayard E., Grand Rapids, Mich. Typewriter desk. 1,778,510; Oct. 14.
- Richardson, Bayard, E., Grand Rapids, Mich. Waste-basket construction. 1,779,147; Oct. 21.
- Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Cloth-winding machine. 1,747,143; Feb. 11.
- Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Machine for applying transfer stamps to fabric. 1,759,712; May 20.
- Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Cloth-rest construction for cloth shears. 1,768,490; June 24.
- Richardson, Charles M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method of and apparatus for assembling shoe parts. 1,756,438; Apr. 29.
- Richardson, Charles M., and V. H. Bodle, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for soling and pressing footwear. 1,780,769; Nov. 4.
- Richardson, Chester A., San Francisco, Calif. Refrigerator-car construction. 1,744,839; Jan. 28.
- Richardson Corporation. (See Ames, L. G., and Browne, assignors.)
- Richardson Company, The. (See Cain, John R., assignor.)
- Richardson Company, The. (See Holz, Robert, assignor.)
- Richardson Company, The. (See Keller, Charles L., assignor.)
- Richardson Company, The. (See Lukens, Alan R., assignor.)
- Richardson Company, The. (See Pike, Neal C., assignor.)
- Richardson Company, The. (See Stevenson, E. P., and Buron, assignors.)
- Richardson, Edward A., West Mansfield, Mass. Cleat. 1,743,285; Jan. 14.
- Richardson, Edward J., Williams, Ariz. Battery carrier. 1,779,291; Oct. 21.
- Richardson, Elizabeth, Eldorado, Ark. Saline heating apparatus. 1,778,915; Oct. 21.
- Richardson, Emmett W., Oakdale, Calif. Automatic safety pressure gauge for inflating tires. 1,765,850; June 24.
- Richardson, Eri H., San Mateo, Calif. Fireplace. 1,768,150; June 24.
- Richardson, Ernest A., Cochituate, Mass. Rotary internal-combustion engine. 1,767,097; June 24.
- Richardson, Ernest S., Fort Wayne, Ind. Diamond tool holder. 1,763,479; June 10.
- Richardson, Fred L., and L. S. Macdonald, assignors to Thompson Bros. Shoe Co., Brockton, Mass. Corrective shoe. 1,768,491; June 24.
- Richardson, Fred L., and L. S. Macdonald, assignors to Thompson Bros. Shoe Co., Brockton, Mass. Corrective shoe. 1,778,002; Oct. 7.
- Richardson, George K., Vancouver, British Columbia, Canada. Trolling spoon. 1,742,934; Jan. 7.
- Richardson, George L. (See Metcalf, I. R., Richardson, and Wolf.)
- Richardson, Henry K., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Chromium-coated wire and method of manufacture. 1,745,912; Feb. 4.
- Richardson, Holden C., Washington, D. C. Landing gear. 1,752,395; Apr. 1.
- Richardson, Holden C., Washington, D. C. Aircraft. 1,774,526; Sept. 2.
- Richardson, Hugh, Nelson, Mo. Bale tier. 1,754,572; Apr. 15.
- Richardson, John H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for manufacturing articles from sheet material. 1,755,191; Apr. 22.
- Richardson, John H., Wakefield, and A. E. Hudson, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,742,280; Jan. 7.
- Richardson, John K. (See Pocock, Sylvester J., assignor.)
- Richardson, Joseph, Ridgefield, N. J., assignor to Fifth Avenue Coach Company. Device for use in determining turning radius of motor busses. 1,763,441; June 10.
- Richardson, Kent M., Kansas City, Mo., and D. J. Harding, Kansas City, Kans., assignors to Swift & Company, Chicago, Ill. Carcass-treating method. 1,748,082; Feb. 25.
- Richardson, Led L., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Hole-cleaning valve for rock drills. 1,780,440; Nov. 4.
- Richardson, Led L., Cleveland, Ohio, assignor to The Cleveland Rock Drill Company. Pile-driving tool. 1,783,523; Dec. 2.
- Richardson, Myron H., and A. D. Antoine, assignors to Advance Machine Company, Chicago, Ill. Vending machine. 1,758,333; May 13.
- Richardson, Myron H., and A. D. Antoine, assignors to Advance Machine Company, Chicago, Ill. Vending machine. 1,763,723; June 17.
- Richardson, Myron H., Chicago, and A. E. Gebert, Wilmette, assignors to Advance Machine Company, Chicago, Ill. Vending machine. 1,758,373; May 13.
- Richardson, Oscar E. (See Anenberg, Solomon, assignor.)
- Richardson, Ralph S., Teaneck, N. J., assignor to Chemical Engineering Corporation, New York, N. Y. Synthetic production of ammonia. 1,750,649; Mar. 18.
- Richardson, Ralph S., Teaneck, N. J., assignor to Chemical Engineering Corporation, New York, N. Y. Synthetic production of ammonia. 1,765,541; June 24.
- Richardson, Rodney G. (See Bellamy, J. I., and Richardson.)
- Richardson, Rodney G., Chicago, Ill. Speed-responsive device. 1,746,794; Feb. 11.
- Richardson, Rodney G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic Telephone system. 1,760,851; May 27.
- Richardson, Sidney, Hollywood, assignor to A. Richardson, Los Angeles, Calif. Forming attachments for dentures. 1,761,312; June 3.
- Richardson, Sidney, Hollywood, assignor to A. Richardson, Los Angeles, Calif. Adjustable attachment for dentures. 1,765,851; June 24.
- Richardson, Thomas H. O., St. Albans, England. Carburetor. 1,746,681; Feb. 11.
- Richardson, Wilbert L., assignor to Reynolds Portable Furnace Co., Louisville, Ky. Hydrocarbon torch. 1,755,664; Apr. 22.
- Richardson, William D. (See Parsons, C. H., and Richardson.)
- Richardson, William F., Cleveland, assignor of one-half to F. J. McMahon, Willoughby, Ohio. Tray structure for wall shelving. 1,772,497; Aug. 12.
- Richer, Joseph R. (See Nielsen, J. P., and Richer.)
- Richer, Joseph R., Oak Park, Ill. Rotary pump or blower. 1,753,476; Apr. 8.
- Richersberg, Emanuel. (See Quilia, Arthur J., assignor.)
- Richey, Leon T. (See Doty, A. S., and Richey.)
- Richfield Oil Company of California. (See Black, John C., assignor.)
- Richfield Oil Company of California. (See Black, J. C., and McConnell, assignors.)
- Richfield Oil Company of California. (See Chappell, Marvin L., assignor.)
- Richfield Oil Company of California. (See Frizell, De Ralph, assignor.)
- Richfield Oil Company of California. (See Low, Willson H., assignor.)
- Richfield Oil Company of California. (See Rial, W. D., and Barratt, assignors.)
- Richheimer, Isaac D., New York, N. Y. Coffee-making apparatus. 1,763,863; June 17.
- Richie, Peter, Waterbury, Conn. Pencil attachment. 1,763,327; June 10.
- Richmond, Carl A., New York, N. Y., assignor to The General Railway Signal Company. Speed-control apparatus for railway cars. 1,765,852; June 24.

- Richmond, George A. (See Hasselkus, J. W., and Richmond.)
- Richmond Lace Works, Inc. (See Radford, George, assignor.)
- Richmond, Leon H., Fort H. G. Wright, N. Y. Transmitter element. 1,747,265; Feb. 18.
- Richmond, Leon H., Fort H. G. Wright, N. Y. Seasoning condensers. 1,765,032; June 17.
- Richmond Manufacturing Company. (See Moyer, Howard H., assignor.)
- Richmond, Samuel, Batavia, assignor to The Edwards Manufacturing Company, Cincinnati, Ohio. Roof structure. 1,767,258; June 24.
- Richmond, Samuel, Batavia, assignor to The Edwards Manufacturing Company, Cincinnati, Ohio. Shoe-shank support. 1,782,178; Nov. 18.
- Richmond, Vincent C., Harrow-on-the-Hill, and G. H. Scott, Purley, England. Transverse frame for rigid airships. 1,780,041; Oct. 28.
- Richter, Charles J., Berwyn, assignor to The Goss Printing Press Co., Chicago, Ill. Delivery apparatus for printing presses. 1,766,084; June 24.
- Richter, Charles M. (See Pacini, August J., assignor.)
- Richter, Curt. (See Stricker, Willy, assignor.)
- Richter, Elmer F., Park Ridge, assignor to Addressograph Company, Chicago, Ill. Printing device. 1,755,838; Apr. 22.
- Richter, Emil. (See McShea, W. T., Parlino, and Richter.)
- Richter, Erich, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing colored nitrocellulose varnishes. 1,756,100; Apr. 29.
- Richter, Erich, Wolfen, Kreis Bitterfeld, and W. Becker, Leipzig, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Coating surfaces with cellulose varnishes. 1,778,813; Oct. 21.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Production of high-alpha cellulose fiber. 1,742,218; Jan. 7.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Pulp-treating process. 1,742,219; Jan. 7.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Decolorizing caustic liquors. 1,742,220; Jan. 7.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Composite sheeting and method of making. 1,748,998; Mar. 4.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Conditioning cellulosic fiber for the manufacture of rayon. 1,754,437; Apr. 15.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Refining alkaline pulps. 1,773,320; Aug. 19.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Producing fiber of high-alpha-cellulose content. 1,774,403; Aug. 26.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Treating fiber of nonconiferous origin. 1,780,539; Nov. 4.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Production of sulphite pulp. 1,780,842; Nov. 4.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Cyclic process of fiber liberation. 1,781,733; Nov. 18.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Pulp making and apparatus therefor. 1,784,849; Dec. 16.
- Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Fiber liberating and bleaching process. 1,780,943; Nov. 11.
- Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Refining cellulose pulp. 1,784,161; Dec. 9.
- Richter, George A., M. O. Schur, and R. H. Rasch, assignors to Brown Company, Berlin, N. H. Paper towel and producing the same. 1,745,557; Feb. 4.
- Richter, Hans, Vienna, Austria. Elastic or resilient connecting member. 1,764,750; June 17.
- Richter, Henry G., Roselle Park, N. J. Receiver-circuit control from single jack and plug. 1,769,754; July 1.
- Richter, John L. (See Schmidt, C. C., and Richter.)
- Richter, John W., Chicago, Ill. Toy. 1,745,232; Jan. 28.
- Richter, Robert, assignor to the firm of Carl Zeiss, Jena, Germany. Optical system for polaristrometers. 1,775,916; Sept. 16.
- Richter, Rudolph, Durlach, Germany, assignor to Radio Patents Corporation, New York, N. Y. Compensated induction motor. 1,746,445; Feb. 11.
- Richter, Theodor, Spandau, Germany. Frame for combined mowing and binding machines. 1,748,463; Feb. 25.
- Richter, Thomas H., Los Angeles, Calif. Brake for vehicles. 1,773,120; Aug. 19.
- Richter, Walter M., Staten Island, N. Y. Window construction. 1,783,483; Dec. 2.
- Richter, Frank H., assignor to Cheatham Electric Switching Device Company, Louisville, Ky. Electrically-operated track switch. 1,756,700; Apr. 29.
- Richter, Frank H., assignor to The Cheatham Electric Switching Device Co. and Nachod and United States Signal Co., Louisville, Ky. Electric switch and signal system. 1,783,308; Dec. 2.
- Rick, Erich H., Kiel, Wis. Highway-crossing barrier. 1,765,178; June 17.
- Rickard, George B. (See Cameron, J. A., and Rickard.)
- Rickard, Lester J., Umatilla, Oreg. Wheel-flange lubricator. 1,748,028; Feb. 18.
- Rickard, William L., Washington, D. C. Milk mixer. 1,772,323; Aug. 5.
- Rickel, Clarence E., G. W. Cramer, and H. B. Haskins, assignors to The Dura Company, Toledo, Ohio. Retainer for window regulators. 1,772,759; Aug. 12.
- Rickenberg, Frederick B., Pittsburgh, Pa. Valve. 1,757,059; May 6.
- Rickenberg, Frederick B., Pittsburgh, Pa. Valve. 1,787,212; Dec. 30.
- Ricker, Chester S., Indianapolis, Ind. Vibration eliminator. 1,758,467; May 13.
- Ricker, Chester S., Indianapolis, Ind. Hood fastener. 1,786,452; Dec. 30.
- Ricker, Chester S., Waukesha, Wis. Lamp. 1,784,539; Dec. 9.
- Ricker, Norham H. (See Fletcher, H. W., and Ricker.)
- Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Buffer for well swabs. 1,784,110; Dec. 9.
- Ricketts, James R., Richmond, Calif., assignor to National Air Brake Service, Inc., Reno, Nev. Triple-valve-lapping machine. 1,749,890; Mar. 11.
- Ricketts, James R., Richmond, Calif., assignor to National Air Brake Service, Inc., Reno, Nev. Triple-valve reamer. 1,782,910; Nov. 25.
- Rickey, Jesse J., and R. W. Franklin, assignors to Hall Manufacturing Company, Cedar Rapids, Iowa. Hog feeder. 1,772,843; Aug. 12.
- Rickles, William H., Marshall, Tex. Toothbrush cabinet. 1,781,247; Nov. 11.
- Ricks, Fred. (See Barclay, W. R., and Ricks.)
- Ricks, Fred. (See Bates, A., and Ricks.)
- Ricks, Fred, and A. E. Richards, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat-fitting machine. 1,743,482; Jan. 14.
- Ricks, Fred, and A. E. Richards, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat-fitting machine. 1,757,219; May 6.
- Ricks, Fred. (See Gouldbourn, J., and Ricks.)
- Ric-Wil Company, The. (See Gottwald, Christian, assignor.)
- Rida, Walter A., West Haven, and H. A. Perrigo, Whiteville, Conn. Road sign. 1,750,330; Mar. 11.
- Ridabock, Alice B., Stamford, Conn. Holding device for necklaces. 1,746,054; Feb. 4.
- Riddell, Fred P., Moberg, S. Dak. Weed puller. 1,771,353; July 22.
- Riddell, Fred P., and J. F. Johnson, Superior, Wis. Collapsible window. 1,773,241; Aug. 19.
- Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-shutter-blade-actuating mechanism. 1,754,202; Apr. 8.
- Ridderstrom, Andrew R., assignor to Rotary Machine Company, Lynn, Mass. Folding machine. 1,743,286; Jan. 14.
- Ridderstrom, Andrew R., Nahant, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,751,834; Mar. 25.
- Riddle, Edward N., Company, The. (See Riddle, John K., assignor.)
- Riddle, Grant. (See Hammock, H., and Riddle.)
- Riddle, John K., assignor to The Edward N. Riddle Company, Toledo, Ohio. Lighting fixture. 1,762,526; June 10.
- Ridenour, Arch P., Los Angeles, Calif. Liner puller. 1,762,796; June 10.
- Ridenour, Randolph A., Hamilton, Ohio. Radio receiving apparatus. 1,745,715; Feb. 4.
- Rideout, William E., Crookston, Minn. Tub stand. 1,759,371; May 20.
- Rider, Edward H., Victoria, British Columbia, Canada. Combination crusher and separator. 1,769,310; July 1.
- Rider, Ernest G., and W. A. Saatman, Philadelphia, Pa. Gluing machine. 1,744,244; Jan. 21.
- Rider, Harry J., Waterbury, Conn. Electric immersion heater. 1,773,546; Aug. 19.
- Rider, Herbert E., assignor of one-fourth to E. L. Hall, New York, N. Y., and one-half to M. L. Gray, Portland, Me. Thermostat indicator. 1,771,098; July 22.
- Ridge, Guy H., Far Rockaway, assignor to The Western Union Telegraph Company, New York, N. Y. Earth-current corrector for cable signals. 1,747,084; Feb. 11.
- Ridge, Harry M., London, England. Apparatus for subjecting a mass of powdered or granular material to the action of gases, particularly applicable to the calcining and roasting of ores and similar materials. 1,758,805; May 13.
- Ridge, Leonard C., Toronto, Ontario, Canada. Filing apparatus. 1,746,608; Feb. 11.
- Ridge, Leonard C., Toronto, Ontario, Canada. Filing device. 1,769,649; July 1.
- Ridge Tool Company, The. (See Heer, Joseph F., assignor.)
- Ridgely Heater Company. (See Vasey, George F., assignor.)
- Ridgely Trimmer Company, The. (See Galvin, Charles E., assignor.)
- Ridgers, Horace L., Granum, Alberta, Canada. Hack saw. 1,778,916; Oct. 21.
- Ridgway, Ellis B., et al. (See Ridgway, William H., assignor.)

- Ridgway, Van F., Chicago, Ill. Display box. 1,747,486; Feb. 18.
- Ridgway, William H., et al. (See Ridgway, William H., assignor.)
- Ridgway, William H., assignor to W. H. Ridgway and E. B. Ridgway, Coatesville, Pa. Overflow valve for steam hydraulic systems. 1,782,367; Nov. 18.
- Ridler, Earl S. (See Corson, H. P., and Ridler.)
- Ridler, John E., Buffalo, N. Y. Cutting tool. 1,752,653; Apr. 1.
- Ridley, Albert S., Haywards, Calif., assignor to Australasian Machines Proprietary Ltd., Melbourne, Australia. Peach-pitting machine. 1,777,417; Oct. 7.
- Ridley, John H. D., London, England. Microphone. 1,748,928; Feb. 25.
- Ridlington, Joseph, Acton, London, England. Head lamp for road vehicles. 1,752,850; Apr. 1.
- Ridlon, George H. (See Sharp, W. E., Sandstrom, and Ridlon.)
- Riebe, Theodore C. (See Oberfell, H. F., and Riebe.)
- Riebe, Theodore C. (See Saunders, N. H., Lomax, and Riebe.)
- Riebeck'sche, A., Montanwerke Aktiengesellschaft. (See Zschoch, F., and Rodrian, assignors.)
- Rieber, Frank, San Francisco, Calif. Apparatus for transforming mechanical vibrations into electrical fluctuations. 1,776,009; Sept. 16.
- Rieber, Frank, San Francisco, Calif. Method and apparatus for recording explosive shocks. 1,780,567; Nov. 4.
- Rieber, Frank, San Francisco, Calif. System and method for geophysical exploration. 1,782,445; Nov. 25.
- Riebeth, George H. (See Seymour, Arthur J., assignor.)
- Rieckhof, Christian, Darmstadt, Germany. Determining the action of forces upon static constructions. 1,754,049; Apr. 8.
- Riedl, Gustav. (See Michel, H., and Riedl.)
- Riege, Henry C., Kansas City, Mo. Plasterer's collapsible hawk. 1,773,437; Aug. 19.
- Riegel, Austin, Hayward, Calif. Device for grinding valves or the like. 1,767,700; June 24.
- Riegel, George F., assignor to Pinaud Incorporated, New York, N. Y. Carton for dermatological and epidermical cream. 1,758,585; May 13.
- Riegel, Samuel S., Scranton, Pa. Locomotive. 1,772,268; Aug. 5.
- Riegel, Samuel S., Scranton, Pa. Piston valve and bushing construction. 1,781,342; Nov. 11.
- Rieger, Carl, Aalen, Germany. Washing mangle. 1,787,286; Dec. 30.
- Rieger, William F., assignor, by mesne assignments, to The Stoker Matic Corporation, Salt Lake City, Utah. Retort. 1,763,442; June 10.
- Rieger, William F., assignor, by mesne assignments, to The Stoker Matic Corporation, Salt Lake City, Utah. Retort. 1,763,538; June 10.
- Riegger, Paul, Villingen I. Baden, assignor to Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen, A. N., Germany. Fare indicator. 1,771,142; July 22.
- Riehle Bros. Testing Machine Co. (See Moran, William C., assignor.)
- Riehle, Franz, Stuttgart, Germany. Record card and cover therefor. 1,751,885; Mar. 25.
- Richm, Wilhelm, assignor to the firm Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Process and apparatus for starting internal-combustion engines. 1,733,021; Apr. 1.
- Richm, Wilhelm, assignor to the firm Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Combustion engine. 1,758,374; May 13.
- Richm, Wilhelm, assignor to the firm Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Internal-combustion engine. 1,758,375; May 13.
- Richm, Wilhelm, assignor to the firm Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Heating device for the suction air of combustion engines. 1,761,844; June 3.
- Richm, Wilhelm, assignor to the firm Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Exhaust purifier. 1,766,945; June 24.
- Richm, Wilhelm, assignor to Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Internal-combustion engine of the solid-fuel injection type. 1,767,701; June 24.
- Richm, Wilhelm, assignor to the firm Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Double-acting gas engine with slot scavenging. 1,776,665; Sept. 23.
- Richm, Wilhelm, assignor to Maschinenfabrik Augsburg-Nuernberg A. G., Augsburg, Germany. Two-cycle engine with slot scavenging and airless fuel injection. 1,781,194; Nov. 11.
- Rieke Metal Products Corporation. (See Rieke, Theodore W., assignor.)
- Rieke, Theodor W., Auburn, Ind., assignor to Rieke Metal Products Corporation. Fitting for containers. 1,748,923; Feb. 25.
- Rieke, Theodore W., Auburn, Ind., assignor to Rieke Metal Products Corporation. Bung fixture for sheet-metal containers. 1,783,927; Dec. 2.
- Rickert, Henry. (See Hager, W., and Rickert.)
- Riel, Peter S., Buffalo, N. Y. Door latch. 1,785,914; Dec. 23.
- Riemann, Otto, Wellingsbittel, Germany. Press. 1,782,273; Nov. 18.
- Riemenschneider, Edmund W. (See Frahm, C. A., and Riemenschneider.)
- Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Clamp plate. 1,742,450; Jan. 7.
- Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Apparatus for and method of making tapered tubular poles. 1,746,281; Feb. 11.
- Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Indexing machine. 1,747,602; Feb. 18.
- Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Tubular-column-forming machine. 1,765,384; June 24.
- Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Column. 1,776,690; Sept. 23.
- Rienks, William, Rotterdam, Netherlands. Heat-measuring apparatus. 1,745,913; Feb. 4.
- Rienks, William, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Power driving mechanism for slicing machines. 1,745,191; Jan. 28.
- Rienks, William, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,776,270; Sept. 23.
- Ries, Frederick, Compton, Calif. Airplane. 1,770,014; July 8.
- Ries, Frederick, Compton, Calif. Buoyant airplane. 1,777,576; Oct. 7.
- Ries, Henry C., Long Beach, Calif. Piston for oil-well circulation pumps. 1,768,633; July 1.
- Ries, Henry J., Iowa City, Iowa. Foot control for motor cars. 1,747,083; Feb. 11.
- Ries, Henry J., Iowa City, Iowa. Comb. 1,760,778; May 27.
- Ries, Henry J., Iowa City, Iowa. Notebook holder. 1,780,042; Oct. 28.
- Ries, Henry J., Iowa City, Iowa. Paper clip. 1,783,099; Nov. 25.
- Ries, John I., Chillicothe, Ohio. Collapsible tube holder. 1,784,752; Dec. 9.
- Ries, Ray E., and F. R. Koverman, Fort Wayne, Ind. Loose-pulley oiler. 1,749,605; Mar. 4.
- Ries, Roy, West Hollywood, Calif. Display and dispensing cabinet. Des. 81,998; Sept. 9.
- Riese, Adolf. (See Baumgarten, Paul, assignor.)
- Riese, Wilhelm. (See Glud, W., Schönfelder, and Riese.)
- Rieseler, Walter, and W. Kreiser, Berlin-Johannisthal, Germany, assignors to E. Burke Wilford, Merion, Pa. Flying machine. 1,777,678; Oct. 7.
- Rieser Company, The. (See Natkiel, Harry, assignor.)
- Riesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Unloading mechanism for compressors. 1,756,701; Apr. 29.
- Riesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Variable-capacity compressor. 1,764,646; June 17.
- Riess, Peter. (See Fisher, Robert W., assignor.)
- Rieter, Joh. Jacob, & Co. (See Hess, Heinrich O., assignor.)
- Rieth, Albert, Providence, R. I. Massaging device. 1,757,060; May 6.
- Rietveld, Gideon, Knoxville, Iowa. Match-box holder. 1,778,608; Oct. 14.
- Rife, John, Detroit, Mich. Cutting tool. 1,756,955; May 6.
- Rife, William H., Chicago, Ill. Duplex envelope. 1,751,216; Mar. 18.
- Riff, David M., Terre Haute, Ind. Suspension bunker. 1,775,656; Sept. 16.
- Riggs, Homer C., assignor to Rodney Hunt Machine Company, Orange, Mass. Slack-loop washing machine and method. 1,758,174; May 13.
- Riggs, Lloyd K., New Brunswick, N. J., assignor to E. R. Squibb and Sons, New York, N. Y. Anæsthetizing apparatus. 1,775,227; Sept. 9.
- Righetto, Marco, Milan, Italy. Machine for centrifugally casting concrete sleepers. 1,771,099; July 22.
- Righetto, Ruggero, assignor of one-half to S. Trisoglio and one-half to L. Castelli, Turin, Italy. Electromagnetic ignition device. 1,763,443; June 10.
- Right Idea Jap-Beetle Trap Co. (See Ruddell, William A., assignor.)
- Rightmire, Franklin, Paterson, N. J. Traction attachment for vehicle wheels. 1,784,681; Dec. 9.
- Rightmyer, Holden W. (See Grund, F. D., and Rightmyer.)
- Rights, Anna O. (See Rights, Clyde S. and A. O.)
- Rights, Clyde S., and A. O. Rights, Tampa, Fla. Plant-protecting device. 1,766,455; June 24.
- Rigollet, Louis, and S. Zoppini, Paris, France; said Zoppini assignor to said Rigollet. Articulation for link jewels. 1,777,679; Oct. 7.
- Riker, Andrew L., Jr., Fairfield, Conn., assignor to The Rubber Shock Insulator Corporation, Wilmington, Del. Shackle connection between spring and frame. 1,783,199; Dec. 2.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,424; Jan. 28.

- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,425; Jan. 28.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,454; Feb. 4.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,455; Feb. 4.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,503; Feb. 11.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,504; Feb. 11.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,505; Feb. 11.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,506; Feb. 11.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,633; Mar. 4.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,634; Mar. 4.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,635; Mar. 4.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,636; Mar. 4.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,637; Mar. 4.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,805; Mar. 25.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,806; Mar. 25.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,807; Mar. 25.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 80,910; Apr. 8.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 81,020; Apr. 22.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 81,108; May 6.
- Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 81,149; May 13.
- Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 81,150; May 13.
- Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 81,151; May 13.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 81,152; May 13.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 81,153; May 13.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 81,154; May 13.
- Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 81,258; May 27.
- Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 81,404; June 17.
- Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 81,405; June 17.
- Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 81,406; June 17.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 81,598; July 15.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 82,057; Sept. 16.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 82,694; Dec. 2.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 82,695; Dec. 2.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 82,696; Dec. 2.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 82,697; Dec. 2.
- Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 82,698; Dec. 2.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 82,699; Dec. 2.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 82,700; Dec. 2.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 82,701; Dec. 2.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 82,702; Dec. 2.
- Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 82,847; Dec. 16.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 82,848; Dec. 16.
- Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 82,849; Dec. 16.
- Riker, Samuel M., Chester, N. J. Shoe buckle. 1,755,306; Apr. 22.
- Riker, Samuel M., Newark, N. J. Button ornament. 1,747,322; Feb. 18.
- Rikert, Clark S., San Jose, Calif. Grave vault. 1,757,359; May 6.
- Riley, Champlain L., North Plainfield, N. J., assignor to Industrial Associates, Incorporated, New York, N. Y. Nebulization of fluids. 1,759,629; May 20.
- Riley, Champlain L., North Plainfield, N. J., assignor to Industrial Associates, Incorporated, New York, N. Y. Nebulization of fluids. 1,779,336; Oct. 21.
- Riley, Charles T., assignor of one-fourth to J. C. Lay, one-fourth to E. C. Clark, and one-fourth to A. H. Cronk, Rosiclare, Ill. Composition. 1,756,762; Apr. 29.
- Riley, Eva M., Glenwood City, Wis. Detachable cover for umbrellas. 1,785,561; Dec. 16.
- Riley, Frank, et al. (See Thexton, J., jr., and Tomlinson, assignors.)
- Riley, George, Los Angeles, Calif. Internal-combustion engine. 1,770,111; July 8.
- Riley, James F., Glen Flora, Tex. Piston and rings therefor. 1,776,324; Sept. 23.
- Riley, James V., Simcoe, Ontario, Canada. Drying device. 1,786,316; Dec. 23.
- Riley, Lester S., Reading, Mass. Corner mount and making same. 1,742,615; Jan. 7.
- Riley, Lynn G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,764,415; June 17.
- Riley, Peter F., Chicago, Ill. Ship propulsion. 1,749,087; Mar. 4.
- Riley, Ralph E., Akron, Ohio, assignor, by mesne assignments, to The Miller Rubber Company, Inc. Making hand-grip sleeves. 1,768,933; July 1.
- Riley, Robert S., Worcester, Mass., assignor, by mesne assignments, to The Air Preheater Corporation, New York, N. Y. Furnace air preheater. 1,759,916; May 27.
- Riley, Robert S., assignor to Riley Stoker Corporation, Worcester, Mass. Underfeed stoker. 1,760,256; May 27.
- Riley, Robert S., and O. Craig, assignors to Riley Stoker Corporation, Worcester, Mass. Pulverizing apparatus. 1,759,134; May 20.
- Riley, Robert S., and J. H. McElroy, assignors to Riley Stoker Corporation, Worcester, Mass. Underfeed stoker. 1,780,796; Nov. 4.
- Riley, Robert S., and H. F. Watlon, assignors to Riley Stoker Corporation, Worcester, Mass. Magnetic separator. 1,743,237; Jan. 14.
- Riley Stoker Corporation. (See Andrews, L. V., assignor.)
- Riley Stoker Corporation. (See Daniels, Fred H., assignor.)
- Riley Stoker Corporation. (See Grahame, Dallas F., assignor.)
- Riley Stoker Corporation. (See Riley, Robert S., assignor.)
- Riley Stoker Corporation. (See Prantner, Karl, assignor.)
- Riley Stoker Corporation. (See Riley, R. S., and Craig, assignors.)
- Riley Stoker Corporation. (See Riley, R. S., and McElroy, assignors.)
- Riley Stoker Corporation. (See Riley, R. S., and Walton, assignors.)
- Riley Stoker Corporation. (See Yerrick, W. D., and Peck, assignors.)
- Riley, William M., St. Louis, Mo. Fire alarm. 1,771,691; July 29.
- Rimer, Foister S., Washington, D. C. Toy aeroplane. 1,784,946; Dec. 16.
- Rimmelspacher, Joseph, Newark, N. J. Packing gasket. 1,782,014; Nov. 18.
- Rimple, Edward J., San Jose, and M. Vargas, Sunnyvale, assignors to Bean Spray Pump Co., San Jose, Calif. Ridge leveler. 1,744,801; Jan. 28.
- Rinaldy, Edward S., Rockville Center, N. Y. Cinema apparatus. 1,759,630; May 20.
- Rindge, Fulton, Ware, assignor of one-half to E. C. Brown, Watertown, Mass. Textile. 1,758,622; May 13.
- Rinehart, Erwin A., Chiloquin, Oreg. Windshield warmer. 1,743,395; Jan. 14.
- Ring, Arthur A., Montreal, Quebec, Canada. Device for holding printed matter. 1,752,614; Apr. 1.
- Ring, Frederick G., Winchester, Mass., and P. G. Paris, Bethlehem, Pa., assignors to Bethlehem Steel Company. Treatment of petroleum oils and products derived therefrom. 1,775,052; Sept. 2.
- Ring, Josef, Polderady, Czechoslovakia. Cable grip. 1,781,080; Nov. 11.
- Ring, Reginald H., et al. (See White, Harry Z., assignor.)
- Ring, William A. (See Laddon, I. M., and Ring.)
- Ringel, Abraham S. (See Minton, J. P., and Ringel.)
- Ringel, Harold A., assignor to Elmer Candy Company, Inc., New Orleans, La. Basket. Des. 81,809; Aug. 12.
- Ringfeder G. m. b. H. (See Erment, Paul, assignor.)
- Ringland, George L., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine. 1,761,587; June 3.
- Ringle, Charles J. (See Dalton, E. E., and Ringle.)
- Ringle, Robert E., Zelienople, Pa. Molding machine. 1,778,609; Oct. 14.
- Ringle, Robert F., Zelienople, Pa. Molding machine. 1,786,171; Dec. 23.
- Ringler, William A., Philadelphia, Pa. Loose-leaf binder. 1,768,151; June 24.
- Ringlette Permanent Company. (See Smith, Ernest L., assignor.)
- Ringwald, Clarence, North Hampton, assignor to Robbins & Myers, Inc., Springfield, Ohio. Ventilating fan. Des. 82,108; Sept. 23.
- Ringwald, Clarence, North Hampton, assignor to Robbins & Myers, Inc., Springfield, Ohio. Ceiling fan. Des. 82,179; Sept. 30.
- Ringwald, Clarence, North Hampton, assignor to Robbins & Myers, Inc., Springfield, Ohio. Combined drink mixer and juice extractor. Des. 82,703; Dec. 2.
- Ringwald, Clarence, North Hampton, assignor to Robbins & Myers, Inc., Springfield, Ohio. Combined juice extractor and mixer. 1,759,760; May 20.
- Rinker, Charles A., Galesburg, Ill. Drive mechanism. 1,766,307; June 24.
- Rinne, John, Rutledge, Pa. Method of and machine for manufacturing matches and match tape. 1,784,111; Dec. 9.
- Rio, Andre, and L. Lévy, Paris, France. Thermionic-tube amplifier. 1,779,292; Oct. 21.

- Riordan, John M., Detroit, Mich. Auxiliary motor support. 1,752,809; Apr. 1.
- Ripley, David W., Fresno, assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Weight-checking device. 1,784,540; Dec. 9.
- Ripley, Earl C., Sherman, N. Y. Yarn cleaner. 1,745,505; Feb. 4.
- Ripley, George A., Dallas, Tex. Shirt. 1,786,919; Dec. 30.
- Ripper, Kurt, assignor to F. Pollak, Vienna, Austria. Making condensation products of urea and aldehyde. 1,762,456; June 10.
- Ripper, Kurt, Vienna, Austria, assignor to the firm Kunstharzfabrik Dr. Fritz Pollak Gesellschaft m. b. H., Vienna, Austria. Porous homogeneous cloudy artificial compositions and their manufacture. 1,779,047; Oct. 21.
- Ripsey, Samuel H., Philadelphia, Pa. Vacuum-cleaner nozzle. 1,782,882; Nov. 25.
- Rippingille, Edward V., Detroit, Mich., assignor to Delco-Remy Corporation, Dayton, Ohio. Coincidental lock. 1,749,736; Mar. 4.
- Ripple, Lewis M. (See Fitzgerald, J. G., and Ripple.)
- Rippstein, Edwin E., assignor to Laclede Steel Company, St. Louis, Mo. Reinforcing unit for concrete beams. 1,769,465; July 1.
- Ripsch, Charles W. (See Price, W. W., and Ripsch.)
- Rip Van Winkle Wall Bed Company. (See Sinclair, Neil, assignor.)
- Risberg, Johannes V. M., and H. Lindelöf, Sodertelje, Sweden, said Lindelöf assignor to said Risberg. Pulsator valve. 1,750,359; Mar. 11.
- Risdon, Ivan, Seattle, Wash. Combination fireplace. 1,786,453; Dec. 30.
- Risdon, John J., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic printer. 1,752,458; Apr. 1.
- Risinger, Frank V., Lakewood, Ohio. Liquid-fuel radiant heater. 1,760,319; May 27.
- Risler Corporation of America. (See Chardard, Jean B. D. L., assignor.)
- Risler Corporation of America. (See Risler, Jacques, assignor.)
- Risler, Jacques, Paris, France, assignor to Risler Corporation of America, Kansas City, Mo. Electric lamp. 1,748,396; Feb. 25.
- Risler, Jacques, Paris, France, assignor to Risler Corporation of America, Kansas City, Mo. Skin cream. 1,779,891; Oct. 28.
- Risler, Jacques, Paris, France, assignor to Risler Corporation of America, Kansas City, Mo. Rectifying tube. 1,780,504; Nov. 4.
- Risley, Elton, Ventnor, N. J. Suction pipe. Re17,791; Sept. 2.
- Rispel, Alexander, and L. C. Liedtke, Chicago, Ill. Ham boiler. 1,770,431; July 15.
- Risser, Arthur I., assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Capping machine. 1,748,960; Mar. 4.
- Risser, Arthur I., assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Capping appliance. 1,748,961; Mar. 4.
- Risser, Arthur I., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Cork-feeding device. 1,760,441; May 27.
- Risser, Arthur I., assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Cap-feeding device. 1,775,141; Sept. 9.
- Risser, Arthur I., assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Cap feeder. 1,775,255; Sept. 9.
- Rissler, Albin P., and E. G. Busse, assignors to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam support-arm bracket. 1,773,376; Aug. 19.
- Ritchey, John P., Wichita, Kans. Spark plug. 1,754,648; Apr. 15.
- Ritchey, Roscoe V., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire expander. 1,759,718; May 20.
- Ritchey, Roscoe V., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Fabric band expander. 1,768,332; June 24.
- Ritchey, Roscoe V., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for conveying strip material. 1,769,546; July 1.
- Ritchie, Charles A., D'Arcy, Saskatchewan, Canada. Adjustable pitman rod. 1,752,028; Mar. 25.
- Ritchie, Claude C., and I. D. Ritchie, Wichita Falls, Tex. Built-in telephone cabinet. 1,761,683; June 3.
- Ritchie, Gavin, & Sons, Inc. (See Ritchie, Harold G., assignor.)
- Ritchie, George E., Halifax, Nova Scotia, Canada. Support for reading and writing matter. Des. 81,349; June 10.
- Ritchie, Harold G., assignor to Gavin Ritchie & Sons, Inc., Battle Creek, Mich. Pressure-regulating device. 1,759,064; May 20.
- Ritchie, Isaac D. (See Ritchie, C. C. and I. D.)
- Ritchie, James P., Amherst, N. H., assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,770,862; July 15.
- Ritchie Manufacturing Company. (See Ritchie, Thomas, assignor.)
- Ritchie, Thomas, Oskaloosa, assignor to Ritchie Manufacturing Company, Marshalltown, Iowa. Stock waterer. 1,777,577; Oct. 7.
- Ritchie, William L., Croydon, assignor to R. A. Wilson, London County, England. Golf bag. 1,774,454; Aug. 26.
- Rithner, Henry, Wellsburg, W. Va. Candle holder. Des. 81,999; Sept. 9.
- Ritholz, Benjamin D., assignor to National Watch & Jewelry Co., Chicago, Ill. Spectacles. 1,747,843; Feb. 18.
- Ritholz, Benjamin D., assignor to National Watch & Jewelry Co., Chicago, Ill. Eye-testing device. 1,747,844; Feb. 18.
- Riton, Oscar A., Minneapolis, Minn., assignor, by mesne assignments, to Power Door Corporation, Chicago, Ill. Switch mechanism for controlling electric circuits. 1,768,714; July 1.
- Rit Products Corporation. (See Kritchevsky, W., Prutsmann, and Morrill, assignors.)
- Rittelmann, Louis J. (See Fullman, J. M. G., and Rittelmann.)
- Rittenhouse, Myron J., Cleveland, and O. V. Maurer, East Cleveland, Ohio; said Maurer assignor to said Rittenhouse. Radio reception apparatus. 1,781,861; Nov. 18.
- Ritter, Boyd R., Lewistown, Pa. Combination tool. 1,770,182; July 8.
- Ritter Dental Manufacturing Company, The. (See May, Adam J., assignor.)
- Ritter Dental Manufacturing Company. (See Moore, Clarence W., assignor.)
- Ritter, Harry C., assignor of one-half to J. C. Patchen and one-fourth to D. B. Jaffe, Jersey Shore, Pa. Air-reserve tank. 1,759,287; May 20.
- Ritter, Heinrich. (See Kalischer, G., and Ritter.)
- Ritter, John J., assignor to The W. B. Marvin Manufacturing Company, Urbana, Ohio. Window screen. 1,742,560; Jan. 7.
- Ritter, John J., assignor to The W. B. Marvin Manufacturing Company, Urbana, Ohio. Ventilator for windows. 1,753,477; Apr. 8.
- Ritter, Paul E., Roselle, N. J., assignor to American Telephone and Telegraph Company. Telephone and telegraph circuit. 1,780,244; Nov. 4.
- Ritter, Paul N., et al. (See Michailovsky, Nicholas M., assignor.)
- Ritterbush, Leonard C. (See Brooks, C. A., and Ritterbush.)
- Rittler, Ernest W., Quincy, Ill. Knife sheath. 1,754,526; Apr. 15.
- Ritz-Woller, Oliver C., Chicago, Ill. Lamp. 1,766,205; June 24.
- Rivard, Wilfred J., Feeding Hills, Mass. Deckling machine. 1,761,051; June 3.
- Rivat, George, Paterson, Ernest Cadgène, Englewood Cliffs, N. J., and Camille Dreyfus, New York, N. Y., assignors to Celanese Corporation of America. Dyeing of cellulose derivatives. 1,779,494; Oct. 28.
- Rivers, Bernard C., Rudolph, Wis. Salt cup. 1,762,589; June 10.
- Rivers, Hector O., Haberfield, near Sydney, Australia. Doorlock. 1,770,864; July 15.
- Rivers, Napoleon R., Ashtabula, Ohio. Wrench. 1,754,050; Apr. 8.
- Rivers, Napoleon R., Ashtabula, Ohio. Guard for leather-shaving machines. 1,768,213; June 24.
- Rives, Logan, Los Angeles, Calif. Wind instrument. 1,750,051; Mar. 11.
- Riviere, Albert S., Evanston, assignor to Union Special Machine Company, Chicago, Ill. Rug-tufting machine. 1,785,650; Dec. 16.
- Rivkin, Menabem, Philadelphia, Pa. Throttle valve. 1,786,578; Dec. 30.
- Rix, Carl, Emden, East Friesland, Germany. Turbine. 1,777,450; Oct. 7.
- Rix, Glenway M., Cedarburg, assignor to Squier-Rix Company, Milwaukee, Wis. Hoisting device. 1,750,815; Mar. 18.
- Rixe, Carl, Bennett, Iowa. Water wheel. 1,773,010; Aug. 12.
- Rixecker, Ludwig, Stangenmühle, near Louisenthal, assignor to Röchling'sche Eisen- und Stahlwerke Aktiengesellschaft, Volklingen-on-the-Saar, Germany. Bearing for rolls in rolling mills. 1,772,817; Aug. 12.
- Rixson, Oscar C., Company, The. (See Garrison, Forrest C., assignor.)
- Roach-Appleton Manufacturing Company. (See Hammer, Samuel, assignor.)
- Roach-Appleton Manufacturing Company. (See Newman, C., and Appleton, assignors.)
- Roach, Finis E., Chicago, Ill. Sprinkler. 1,765,939; June 24.
- Roach, Finis E., Chicago, Ill. Sprinkler. 1,779,983; Oct. 28.
- Roach, Otto, assignor of two-thirds to Staples Studio, Incorporated, South Bend, Ind. Camera support. 1,758,240; May 13.
- Roan, F. D., Machine Company. (See Roan, Floyd D., assignor.)
- Roan, Floyd D., assignor to F. D. Roan Machine Company, Newlin, Tex. Cotton cleaner. 1,781,343; Nov. 11.
- Roano, Alessandro, Naples, Italy. Single or double helical gear wheel with a plurality of axial pitches. 1,772,688; Aug. 12.
- Roark, Robert H., assignor to The Perfection Ice Scoring Machine Company, Waco, Tex. Ice-delivery device. 1,749,262; Mar. 4.

- Roark, Robert H., assignor to The Perfection Ice Scoring Machine Company, Waco, Tex. Ice-delivery device. 1,749,843; Mar. 11.
- Roark, Robert H., Waco, assignor by mesne assignments to The General Ice Scoring Machine Company, Dallas, Tex. Scoring ice blocks by fluid pressure. 1,780,441; Nov. 4.
- Robarts, Charles D., Cisco, Tex. Automatic standing-valve tap. 1,744,921; Jan. 28.
- Robb, Frank M., Belleville, Ontario, Canada. Electrically transmitting imagery. 1,768,634; July 1.
- Robb, Frank M., Belleville, Ontario, Canada. Sound-reproducing instrument. 1,785,915; Dec. 23.
- Robb, John F., Cleveland Heights, Ohio. Partition maker. 1,747,390; Feb. 18.
- Robb, John F., Cleveland Heights, Ohio. Ballast cleaning and removing machine. 1,770,552; July 15.
- Robb, John F., Cleveland Heights, Ohio, assignor to Koehring Company, Milwaukee, Wis. Machine for making uniform concrete. 1,750,244; Mar. 11.
- Robb, John F., Cleveland Heights, Ohio, assignor to Koehring Company, Milwaukee, Wis. Finishing machine. 1,760,442; May 27.
- Robb, John F., Cleveland Heights, Ohio, assignor to Koehring Company, Milwaukee, Wis. Automatic tilting-type concrete-mixing machine. 1,761,801; June 3.
- Robb, Robert E., Evansville, Ind. Determining moisture in aggregate. 1,749,606; Mar. 4.
- Robb's, Loyal G., Santa Monica, Calif. Multicurtain advertising apparatus. 1,742,785; Jan. 7.
- Robb's, Loyal G., Santa Monica, Calif. Advertising apparatus. 1,766,838; June 24.
- Robbins, Frank D., assignor of one-half to W. A. Bond, Newberg, Oreg. Concrete mixer. 1,781,823; Nov. 18.
- Robbins, Henry W., Harlingen, Tex. Wheel hub for agricultural machines and the like. 1,751,291; Mar. 18.
- Robbins, Jay, Cooledge, Tex. Stalk cutter. 1,786,455; Dec. 30.
- Robbins, Maurice, Boston, Mass. Necktie. 1,769,547; July 1.
- Robbins & Myers, Inc. (See Ringwald, Clarence, assignor.)
- Robbins & Myers, Inc. (See Wright, Edwin M., assignor.)
- Robbins, Percy A., Highland Park, Ill. Sound-reproducing mechanism. 1,764,120; June 17.
- Robbins, Walter C., assignor to Houde Engineering Corporation, Buffalo, N. Y. Coupling for relatively movable members. 1,777,129; Sept. 30.
- Robbins, Will H. (See Gregory, George L., assignor.)
- Robbins, William H., Springfield, assignor to The Williams Company, London, Ohio. Power-driven wire-steel-wool machine. 1,766,356; June 24.
- Robbins, William H., Springfield, assignor to The Williams Company, London, Ohio. Steel-wool filament. 1,772,016; Aug. 5.
- Robbins, William K., assignor, by mesne assignments, to Ira J. Wilson, Chicago, Ill. Scraper. 1,753,022; Apr. 1.
- Robe, Walter B., Towson, assignor to G. S. Sloan as trustee for Egal Metal Products Company, Baltimore, Md. Gauge for positioning chills or cores on sand molds. 1,743,933; Jan. 14.
- Robens, Frederick A., Toledo, Ohio. Kitchen utensil. 1,772,324; Aug. 5.
- Robe, Anton, Milwaukee, Wis. Aeroplane. 1,780,043; Oct. 28.
- Robert de Courseulles, assignor of one-half to Schneider & Cie., and one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Loading device for semiautomatic naval guns. 1,753,850; Apr. 8.
- Robert, Eugene W., Atlanta, Ga. Football game. 1,758,063; May 13.
- Robert, Nelson J., Lynchburg, Va. Shoe counter. 1,782,632; Nov. 25.
- Roberti Bros. (See Lofman, Charles, assignor.)
- Robertson, Lloyd T., Milwaukee, Wis. Switch. 1,787,262; Dec. 30.
- Roberts, Alban J., London, England. Illumination device for advertising and spectacular purposes. 1,769,311; July 1.
- Roberts, Arthur A., Chicago, Ill. Method and process of producing fuel to selected specifications and the product thereof. 1,770,627; July 15.
- Roberts Brass Manufacturing Company. (See Plaut, Antoine P., assignor.)
- Roberts Brass Mfg. Company. (See Roberts, Earl W., assignor.)
- Roberts, Charles E., Oak Park, and J. H. Helfrich, Wheaton, Ill., assignors to said J. H. Helfrich. Method and apparatus for finishing compacts. 1,775,602; Sept. 9.
- Roberts, Charles F., assignor to H. S. Powell, Utica, N. Y. Thread-swelling machine. 1,762,562; June 10.
- Roberts, Charles L., Los Angeles, Calif. Marine derrick footing. 1,769,858; July 1.
- Roberts, Charles P. (See Jacklin, H. M., and Roberts.)
- Roberts, Clara. (See Rabsilber, William, assignor.)
- Roberts, Clarence P., Los Angeles, Calif. Ventilating baking pan. 1,781,302; Nov. 11.
- Roberts, Clifford, Relgate, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel for boots and shoes. 1,746,282; Feb. 11.
- Roberts, Clifford, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rubber tread for shoes. 1,751,557; Mar. 25.
- Roberts, Clifford, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of rubber treads for footwear. 1,773,377; Aug. 19.
- Roberts, Clifford, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cushion tread for footwear. 1,783,980; Dec. 9.
- Roberts, David, Collingswood, N. J., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Cabinet. Des. 81,291; June 3.
- Roberts, David, Collingswood, N. J., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Cabinet. Des. 82,704; Dec. 2.
- Roberts, David B., Hartford, Conn. Oil burner. 1,771,448; July 29.
- Roberts, Earl W., assignor to Roberts Brass Mfg. Company, Detroit, Mich. Lock for valves. 1,744,143; Jan. 21.
- Roberts, Earl W., assignor to Roberts Brass Manufacturing Company, Detroit, Mich. Gas cock. 1,762,195; June 10.
- Roberts, Edward F., assignor to Packard Motor Car Company, Detroit, Mich. Lock for motor vehicles. 1,755,935; Apr. 22.
- Roberts, Edward F., assignor to Packard Motor Car Company, Detroit, Mich. Grinding machine. 1,766,839; June 24.
- Roberts, Edward F., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle body. 1,787,169; Dec. 30.
- Roberts, Edward M., Long Beach, Calif. Easel. 1,755,518; Apr. 22.
- Roberts, Elias T., Greenwood, assignor to E. L. Tebbets Spool Co., Locke Mills, Me. Feeding device for automatic lathes. 1,748,795; Feb. 25.
- Roberts, Eugene, assignor to The Western States Machine Company, Salt Lake City, Utah. Centrifugal basket. 1,747,144; Feb. 11.
- Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Centrifugal basket. 1,753,023; Apr. 1.
- Roberts, Eugene, assignor to The Western States Machine Company, Salt Lake City, Utah. Automatically controlling centrifugal machines. 1,758,901; May 13.
- Roberts, Eugene, assignor to The Western States Machine Company, Salt Lake City, Utah. Mount for centrifugal machine. 1,768,492; June 24.
- Roberts, Fisher H., El Paso, Tex. Piston ring. 1,757,877; May 6.
- Roberts, Fred G. (See Baker, W. E. B., and Roberts.)
- Roberts, Fred T. jr., Malone, N. Y. Jack attachment for automobiles. 1,778,536; Oct. 14.
- Roberts, George E., Elkhorn, Nebr. Rotary pump. 1,772,498; Aug. 12.
- Roberts, George H., Rock Island, Ill., assignor to Madison-Kipp Corporation, Madison, Wis. Terminal-check valve. 1,776,569; Sept. 23.
- Roberts, George H., et al. (See Skoverski, John R., assignor.)
- Roberts, George P., Tarpon Springs, Fla. Dental forceps. 1,762,888; June 10.
- Roberts, Glen, and M. Dysthe, Minneapolis, Minn. Valve. 1,746,055; Feb. 4.
- Roberts, Glen, and M. Dysthe, Minneapolis, Minn. Combination sash and screen-door fastener. 1,765,614; June 24.
- Roberts, Harold D. (See Danesi, Luigi, assignor.)
- Roberts, Harold J., Niagara Falls, N. Y., assignors to Oxweld Acetylene Company, Newark, N. J. Portable acetylene lamp. 1,745,453; Feb. 4.
- Roberts, Henry P., Boston, Mass., assignor of one-half to C. J. Strong, Cambridge, Mass. Bottle stopper. 1,778,123; Oct. 14.
- Roberts, James H., Atlanta, Ga. Fruit cutter and squeezer. 1,762,031; June 3.
- Roberts, James R., Lincoln, Nebr. Silo. 1,750,052; Mar. 11.
- Roberts, Joseph, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Slasher drier. 1,773,642; Aug. 19.
- Roberts, Joshua A., administrator. (See Davison, D., and Corson.)
- Roberts, Julius O., Bentonville, Ark. Extractor. 1,777,936; Oct. 7.
- Roberts, Leland C., Towaco, N. J., assignor to American Telephone and Telegraph Company. System for furnishing intermittent telegraph service. 1,749,844; Mar. 11.
- Roberts, Leland C., Towaco, N. J., assignor to American Telephone and Telegraph Company. Substation rectification of carrier telegraph currents. 1,779,495; Oct. 28.
- Roberts, Leland C., Towaco, N. J., assignor to American Telephone and Telegraph Company. Telephone and telegraph system. 1,780,245; Nov. 4.
- Roberts, Leroy C., Farmington, assignor to The Automatic Refrigerating Company, Hartford, Conn. Expansion valve. 1,769,859; July 1.
- Roberts & Mander Stove Company. (See Antrim, William D., assignor.)
- Roberts, Milan B., Flint, Mich. Artificial bait. 1,742,786; Jan. 7.
- Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company. Locomotive power reverse gear. 1,772,289; Aug. 5.

- Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive driving box. 1,777,578; Oct. 7.
- Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive driving box. 1,777,579; Oct. 7.
- Roberts, Montague H., Englewood, N. J., and F. R. Peters, assignors to Franklin Railway Supply Company, New York, N. Y. Flexible connection for locomotive boosters. 1,752,696; Apr. 1.
- Roberts, Owen W. (See Spencer, C. E., and Roberts.)
- Roberts, Ralph R., Lockport, N. Y. Lubricating method and apparatus. 1,783,981; Dec. 9.
- Roberts, Ralph S., and J. Votypka, assignors to Lebaron Detroit Company, Detroit, Mich. Convertible vehicle body construction. 1,780,797; Nov. 4.
- Roberts, Robert E. (See Austin, Charles J., assignor.)
- Roberts, Roland R., and W. J. F. Forward, assignors to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Hydraulic-feed mechanism for radial drill spindles. 1,757,685; May 6.
- Roberts, Samuel J., assignor to J. A. Schadt, Scranton, Pa. School desk and seat cover. 1,783,675; Dec. 2.
- Roberts, Samuel S., Pittsburgh, assignor of one-half to J. H. Bullen, Oakmont, Pa. Lubricating valve. 1,767,552; June 24.
- Roberts & Schaefer Company. (See Morford, Glen O., assignor.)
- Roberts, Thomas, and Company. (See Haehre, Einar, assignor.)
- Roberts, Thomas H., assignor to J. W. Kelch, Detroit, Mich. Shell construction for automobile heaters. 1,748,678; Feb. 25.
- Roberts, Tom R., Cleveland, Ohio. Safety belt. 1,746,742; Feb. 11.
- Roberts, Walter V., Bronxville, N. Y., assignor to Radio Corporation of America. Amplifying electrical currents of audible frequencies. 1,759,631; May 20.
- Roberts, Walter Van B., Princeton, N. J., assignor to Radio Corporation of America. Superheterodyne receiver. 1,764,751; June 17.
- Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Ornamentation of leather. 1,748,083; Feb. 25.
- Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,785,844; Dec. 23.
- Robertshaw, Clarence W. and G. A., assignors to Robertshaw Thermostat Company, Youngwood, Pa. Valve. 1,755,562; Apr. 22.
- Robertshaw, George A. (See Robertshaw, Clarence W. and G. A.)
- Robertshaw, George A., Greensburg, Pa. Thermostat. 1,771,316; July 22.
- Robertshaw Thermostat Company. (See Robertshaw, Clarence W. and G. A., assignors.)
- Robertson, Alexander, Atlantic, Mass. Floor-finishing machine. 1,752,965; Apr. 1.
- Robertson, Alexander D. (See Wilson, A. A., and Robertson.)
- Robertson, Charles, Seattle, Wash. Automatic snatch block. 1,766,357; June 24.
- Robertson, Charles H., et al. (See Utsman, George W., assignor.)
- Robertson, Charles J., assignor to Evans Stamping and Plating Company, Taunton, Mass. Reversing mechanism. 1,773,696; Aug. 19.
- Robertson, Edwin A., Lake Wawasee, assignor, by mesne assignments, to The Wayne Home Equipment Company, Fort Wayne, Ind. Auxiliary valve-closing means. 1,756,834; Apr. 29.
- Robertson, Edwin A., Lake Wawasee, assignor to Wayne Company, Fort Wayne, Ind. Pump plunger. 1,765,097; June 17.
- Robertson, Elmer K., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company. Sink strainer. 1,763,864; June 17.
- Robertson, Elmer K., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company. Sink strainer. 1,773,547; Aug. 19.
- Robertson, George. (See Robertson, James B., and George.)
- Robertson, H. H., Company. (See Black, George E., assignor.)
- Robertson, H. H., Company. (See Thomas, George W., assignor.)
- Robertson, Harry M., Cleveland, Ohio. Apparatus for annealing. 1,752,697; Apr. 1.
- Robertson, Harry M., Cleveland, Ohio. Kiln. 1,773,011; Aug. 12.
- Robertson, James B., Paterson and G. Robertson, Ridge-wood, assignors to The Paratex Corporation, Paterson, N. J. Needling machine. 1,770,252; July 8.
- Robertson, James W., Drymen, Scotland. Two-stroke-cycle internal-combustion engine. 1,767,402; June 24.
- Robertson, John, Co. (See Dollin, E. N., and Jacobson, assignors.)
- Robertson, John, Co. Inc. (See Robertson, Norman A., assignor.)
- Robertson, John H., London, England. Friction gearing. 1,772,593; Aug. 12.
- Robertson, John H., London, England. Chain track for vehicles. 1,774,815; Sept. 2.
- Robertson, John H., London, England. Governor mechanism. 1,780,540; Nov. 4.
- Robertson, John H., London, England. Centrifugal governor. 1,785,285; Dec. 16.
- Roberson, Joseph G., Corcoran, Calif. Agricultural implement. 1,749,674; Mar. 4.
- Robertson, Laurence, Toledo, Ohio. Crank disk. 1,782,746; Nov. 25.
- Robertson, Nathaniel G., Wyoming, Pa. Making shovels. 1,760,607; May 27.
- Robertson, Norman A., assignor to John Robertson Co. Inc., Brooklyn, N. Y. Ram for metal-extrusion presses. 1,743,687; Jan. 14.
- Robertson, Peter L., Milton, Ontario, Canada. Screw driver and making same. 1,787,087; Dec. 30.
- Robertson, Richard, Salina, Kans. Snowplow. 1,746,167; Feb. 4.
- Robertson, Robert R., Chicago Heights, Ill. Contraction-joint stake. 1,753,316; Apr. 8.
- Robertson, Robert R., Chicago, Ill. Contraction center-strip mold cap. 1,763,369; June 10.
- Robertson, Robert R., Evanston, Ill. Etching machine. 1,783,390; Dec. 2.
- Robertson, William, Jr., Platte City, Mo. Float. 1,743,396; Jan. 14.
- Robertson, William, assignor to Northern Engineering Works, Detroit, Mich. Trolley. 1,744,987; Jan. 28.
- Robertson, William F., Cincinnati, Ohio. Wire stretcher. 1,752,029; Mar. 25.
- Robertson, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Elastic drive for cash registers. 1,753,479; Apr. 8.
- Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Autographic register. 1,756,386; Apr. 29.
- Robertson, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Auditing machine. 1,761,684; June 3.
- Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,786,454; Dec. 30.
- Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lay-driving mechanism for looms. 1,752,459; Apr. 1.
- Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,760,963; June 3.
- Robeson Process Company. (See Bullen, B. W., and Wallace, assignors.)
- Robeson-Rochester Corporation. (See Cross, F. J., and Schott, assignors.)
- Robeson-Rochester Corporation. (See Halstead, J. P., and Strauss, assignors.)
- Robeson-Rochester Corporation. (See Schott, Howard H., assignor.)
- Robeson-Rochester Corporation. (See Strauss, Herman M. A., assignor.)
- Robeson, Evans, Fort Meade, Fla. Heating device for drying machines. 1,768,002; June 24.
- Robey, Edward B., Egg Harbor City, N. J., assignor of forty per cent to Washington Fuel Burning Engine Corporation, Washington, D. C., and thirty per cent to G. B. Robey, Fairfax, Va. Fuel-burning motor. 1,779,077; Oct. 21.
- Robey, George B., et al. (See Robey, Edward B., assignor.)
- Robichaux, Henry, Lafayette, La. Burner. 1,755,226; Apr. 22.
- Robidoux, Samuel F., assignor to Coyne, Robidoux & Co., Providence, R. I. Chain. 1,756,101; Apr. 29.
- Robin, Philip T., Lakewood, assignor, by mesne assignments, to The Jaeger Machine Company, Columbus, Ohio. Clamshell bucket. 1,748,586; Feb. 25.
- Robinette, Samuel B., assignor of one-half to C. T. Porter, Princeton, W. Va. Striping brush and holder. 1,744,577; Jan. 21.
- Robinoff, Boris S., Pittsburgh, S. E. Paine, and W. E. Quillen, McKeesport, Pa., assignors to National Tube Company. Welding. 1,782,316; Nov. 18.
- Robins Conveying Belt Company. (See Dodge, Gordon F., assignor.)
- Robins Conveying Belt Company. (See Eichenberger, Robert W., assignor.)
- Robinson, Arthur P., and H. Kennell, Northampton, England. Attachment of uppers to soles of footwear. 1,771,143; July 22.
- Robinson, Burton A., Detroit, Mich. Oil-pressure clutch. 1,773,861; Aug. 26.
- Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Grain drill. 1,782,583; Nov. 25.
- Robinson, Clyde F., Miami, Okla. Electromagnetic device. 1,744,922; Jan. 28.
- Robinson, Douglas G., Weymouth, England. Electric coupling member. 1,764,227; June 17.
- Robinson, Earl M., assignor to R. L. Hall, Waterloo, Iowa. Ice-cream-shipping case. 1,757,335; May 6.
- Robinson, Earl M., assignor to R. L. Hall, Waterloo, Iowa. Ice-cream-shipping case. 1,762,527; June 10.
- Robinson, Ernest Y., Withington, England. Antenna system for wireless communications. 1,747,027; Feb. 11.
- Robinson, Ernest Y., Withington, Manchester, assignor to Associated Electrical Industries Limited, London, England. Vacuum electric tube. 1,743,238; Jan. 14.
- Robinson, Ernest Y., Withington, Manchester, England, assignor to Metropolitan-Vickers Electrical Company, Limited. Vacuum electric tube. 1,754,120; Apr. 8.

- Robinson, Ernest Y., Lymm, England, assignor to Associated Electrical Industries Limited. Vacuum-tube generator. 1,760,996; June 3.
- Robinson, Franklin, Paterson, N. J. Shuttle spindle pivot. 1,756,494; Apr. 29.
- Robinson, Frederic W., and L. F. Bird, assignors to Hanovia Chemical and Manufacturing Company, Newark, N. J. Ultra-violet-light-generating system. 1,750,024; Mar. 11.
- Robinson Furnace Company. (See Robinson, Howard E., assignor.)
- Robinson, Gale S., Seattle, Wash. Adjustable ledger sheet and card flag. 1,751,495; Mar. 25.
- Robinson, George A., Braintree, Mass., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Glue-applying mechanism. 1,767,310; June 24.
- Robinson, George T., Daytona Beach, Fla. Map hanger. 1,755,897; Apr. 22.
- Robinson, George W., trustee. (See Gann, G. K., Painter, Johnson, and Frykman, assignors.)
- Robinson, Harry G., Waterbury, Conn., assignor, by mesne assignments, to American Chain Company, Inc. Weaving. 1,745,955; Feb. 4.
- Robinson, Henry, New York, N. Y. Agitating, etc., machine. 1,752,202; Mar. 25.
- Robinson, Henry, New York, N. Y. Agitating, etc., machine. 1,752,203; Mar. 25.
- Robinson, Henry J., Cleveland, Ohio. Radiator support. 1,771,062; July 22.
- Robinson, Herbert W. (See Parkes, Deric, assignor.)
- Robinson, Howard E., assignor to Robinson Furnace Company, Chicago, Ill. Furnace or heating apparatus. 1,746,318; Feb. 11.
- Robinson, Ira W. (See Couch, E. H., and Robinson.)
- Robinson, Jacob J., Washington, D. C. Liquid-dispensing device. 1,764,525; June 17.
- Robinson, Jay A., assignor of one-half to J. A. Ware, Chicago, Ill. Antiskid device. 1,742,729; Jan. 7.
- Robinson, Jay G., Chicago, Ill. Fire-box door. 1,765,741; June 24.
- Robinson, Jay G., Chicago, Ill. Safety appliance for locomotives. 1,773,753; Aug. 26.
- Robinson, John R. (See Seffens, C., and Robinson.)
- Robinson, John T., Company. (See Robinson, John T., assignor.)
- Robinson, John T., Company. (See Robinson, J. T., and Cook, assignors.)
- Robinson, John T., Company. (See Robinson, J. T., and Gooding, assignors.)
- Robinson, John T., assignor to John T. Robinson Company, Boston, Mass. Counting mechanism. 1,747,735; Feb. 18.
- Robinson, John T., assignor to John T. Robinson Company, Boston, Mass. Rotary creasing machine. 1,769,466; July 1.
- Robinson, John T., and H. F. Cook, assignors to John T. Robinson Company, Boston, Mass. Creasing and cutting machine. 1,787,170; Dec. 30.
- Robinson, John T., and G. E. Gooding, assignors to John T. Robinson Company, Boston, Mass. Rotary creasing and scoring machine. 1,746,284; Feb. 11.
- Robinson, Joseph, New York, N. Y. Automatic train-pipe coupling. 1,749,845; Mar. 11.
- Robinson, Joseph, New York, N. Y. Automatic train-pipe connector. 1,759,372; May 20.
- Robinson, Joseph, New York, N. Y. Automatic train-pipe connector. 1,761,845; June 3.
- Robinson, Joseph, New York, N. Y. Automatic train-pipe coupling. 1,762,032; June 3.
- Robinson, Joseph, New York, N. Y. Automatic train-pipe connector. 1,773,790; Aug. 26.
- Robinson, Joseph, New York, N. Y. Automatic connector. 1,787,122; Dec. 30.
- Robinson, Joseph, assignor of one-fourth to R. M. Wolvin, New York, N. Y. Electric vaporizer. 1,775,947; Sept. 16.
- Robinson, Leo V., and G. M. Thomson, Caledonia, assignors to Gypsum, Lime and Alabastine, Canada, Limited, Paris, Ontario, Canada. Making cellular wall board. 1,776,325; Sept. 23.
- Robinson, Leslie H., Chiswick, London, England. Releasing gear for use with lowering apparatus. 1,756,213; Apr. 29.
- Robinson, Lester L., Jr., Smithfield, Pa., assignor of one-half to C. A. Gill, Baltimore, Md. Locomotive driving box. 1,746,129; Feb. 4.
- Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric Company. Oscillograph galvanometer. 1,742,970; Jan. 7.
- Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric Company. Mercury rectifier. 1,751,423; Mar. 18.
- Robinson, Lewis T., Niskayuna, N. Y., assignor to General Electric Company. Electrical device. 1,760,527; May 27.
- Robinson, Lewis T., Niskayuna, N. Y., assignor to General Electric Company. Film reference marker. 1,771,940; July 29.
- Robinson, Lucille T., New York, N. Y. Retaining mattresses. 1,758,718; May 13.
- Robinson, Lula H., Dallas, Tex. Shade and curtain support. 1,755,748; Apr. 22.
- Robinson, Lula H., Dallas, Tex. Machine for cutting doughy substances. 1,765,285; June 17.
- Robinson, Noah H., J. C. Browning, and L. A. Smith, Quaker, W. Va. Gas and water separator. 1,775,322; Sept. 9.
- Robinson Packer Company. (See Fisher, Charley W., assignor.)
- Robinson, Patrick H., assignor to Hamilton Beach Mfg. Co., Racine, Wis. Drink mixer. 1,762,353; June 10.
- Robinson, Percy G., T. S. Foweraker, H. H. Beasley, and T. Sargent, Bristol, England. Transferring designs to printing surfaces. 1,776,326; Sept. 23.
- Robinson, Percy W. (See Hull, J. I., and Robinson.)
- Robinson, Ralph, administrator. (See Talbutt, R. H., and Allner.)
- Robinson, S. R., et al. (See Kammerdiner, James A., assignor.)
- Robinson, Thomas, New York, N. Y., assignor to Lancaster Asphalt, Inc. Coating apparatus. 1,751,949; Mar. 25.
- Robinson, Thomas, assignor to Anaconda Sales Company, New York, N. Y. Metal-protected roofing element and making the same. 1,753,721; Apr. 8.
- Robinson, Thomas, Everett, Wash., assignor to The Coe Manufacturing Company, Painesville, Ohio. Veneer trimmer. 1,753,967; Apr. 8.
- Robinson, Thomas L., Valparaiso, Ind. Cage for antifriction bearings. 1,747,736; Feb. 18.
- Robinson, Victor J. (See Smith, Christian L., assignor.)
- Robinson, Walter W., Anniston, Ala. Electric steam-heating apparatus. 1,744,505; Jan. 21.
- Robinson, Walter W., Beloit, Wis. Holder for thermionic tubes. 1,750,053; Mar. 11.
- Robinson, Wilfred, Drawbridge, Calif. Decoy duck. 1,785,788; Dec. 23.
- Robinson, William, Audubon, N. J. Four-in-hand necktie. 1,769,755; July 1.
- Robinson, William C., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Conduit and electrical distribution system. 1,776,195; Sept. 16.
- Robinson, William E., Philadelphia, Pa. Wheel. 1,779,917; Oct. 28.
- Robinson, William H., assignor to Thermo Electric Research Corporation, Buffalo, N. Y. Electric radiator. 1,763,328; June 10.
- Robinson, William W., Chattanooga, Tenn. Collapsible poultry coop. 1,755,227; Apr. 22.
- Robischon, Ernest W., Mount Vernon, N. Y., assignor of one-half to F. Chodorov and one-half to Step-In-All Underwear Corporation. Underwear garment. 1,785,286; Dec. 16.
- Robischon, Herbert. (See Robischon, Michael F., assignor.)
- Robischon, Michael F., assignor of one-half to H. Robischon, Utica, N. Y. Step-in combination garment. 1,780,798; Nov. 4.
- Robison, George A., Bakersfield, Calif. Well-tool grab. 1,750,728; Mar. 18.
- Robison, James E., Boulder, assignor of one-eighth to R. M. Reeves, Denver, Colo. Ground-gripping chain for automobile tires. 1,758,902; May 13.
- Robison, Merle, Detroit, Mich., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,764,349; June 17.
- Robitaille, Maxwell. (See Spanel, A. N., and Robitaille.)
- Robson, Frank S., Basalt, Idaho. Lawn-mower sharpener. 1,763,481; June 10.
- Robson, John, Waterbury, Conn., assignor to Universal Engineering Corporation, Montreal, Quebec, Canada. Fluid-controlled mechanism. 1,760,915; June 3.
- Robson, Thomas S. (See Dixon, A. H., Robson, and Henschell.)
- Robson, William A. (See Ballard, F. L., and Robson.)
- Roby, Edward B., Troy, assignor to S. and R. Folding Machine Company, Inc., Green Island, N. Y. Folding machine. 1,758,127; May 13.
- Roca, Pietro, Flushing, N. Y. Sanitary attachment for telephone mouthpieces. 1,757,781; May 6.
- Rocamora, Fermin, Sabadell, Spain. Machine for cleaning, improving, and softening wool and other textile materials. 1,764,892; June 17.
- Rocas, Orlando, Rio de Janeiro, Brazil. Apparatus for automatic opening and closing of sewer inlets. 1,784,076; Dec. 9.
- Rochat, Louis, New York, N. Y. Punching device. 1,766,308; June 24.
- Roché, Jean A., Dayton, Ohio. Glider. 1,779,855; Oct. 28.
- Roché, Jean A., Dayton, assignor to The Aeronautical Corporation of America, Cincinnati, Ohio. Aeroplane. Des. 81,725; July 29.
- Rochester, Florence E., Enid, Okla. Handkerchief. 1,772,228; Aug. 5.
- Rochester Folding Box Company. (See Bowersock, Wilber E., assignor.)
- Röchling'sche Eisen- und Stahlwerke Aktiengesellschaft. (See Rixecker, Ludwig, assignor.)
- Rochoil, Valentine C., Fort Wayne, Ind. Door support. 1,753,480; Apr. 8.
- Rochon, Charles, Fall River, Mass. Screen exit. 1,767,154; June 24.
- Rochwarg, Harry, Bronx, N. Y. Amusement apparatus. 1,776,196; Sept. 16.
- Rofic, Ivan, New York, N. Y. Table or the like. Des. 80,590; Feb. 25.
- Rock, Caroline F., administratrix. (See Rock, Edgar A.)

- Rock, Edgar A., deceased, by C. F. Rock, administratrix, Norfolk, Nebr. Apparatus for bending small pipes. 1,751,886; Mar. 25.
- Rock, George L. (See Patchen, R. H., and Rock.)
- Rock, George L., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Percussion device. 1,744,802; Jan. 28.
- Rock Island Plow Company. (See Kaupke, Lee H., assignor.)
- Rock, Michael B., Staten Island, N. Y. Music-teaching device. 1,763,444; June 10.
- Rock of Ages Corporation. (See Chase, Elroy A., assignor.)
- Rockbestos Products Corporation. (See Greenleaf, John W., assignor.)
- Rocke, John, Bloomington, Ill. Gearing for washing machines. 1,763,865; June 17.
- Rocke, Louis, Brooklyn, assignor to Waldes-Koh-i-noor, Inc., Long Island City, N. Y. Hook-and-eye tape. 1,763,540; June 10.
- Rockefeller, John W., jr., assignor to John Chatillon & Sons, New York, N. Y. Bathroom scale. 1,772,913; Aug. 12.
- Rockford Drilling Machine Co. (See Peterson, Juel L., assignor.)
- Rockhoff, Bert E., assignor to Detroit Steel Products Company, Detroit, Mich. Machine for forming vehicle springs. 1,742,730; Jan. 7.
- Rockola, David C., Chicago, Ill. Front panel of a game device. Des. 81,021; Apr. 22.
- Rocks, Harry, jr., Torrance, Calif. Auto thriller and amusement apparatus. 1,785,363; Dec. 16.
- Rockstroh, Walter, Dresden, Germany. Printing machine. 1,777,225; Sept. 30.
- Rockwell-Barnes Company. (See Buckland, Earl M., assignor.)
- Rockwell, Chauncey L., Chicago, Ill. Airplane construction. 1,774,726; Sept. 2.
- Rockwell, Edward A., Chicago, Ill. Motor-indicating system. Re17,616; Mar. 4.
- Rockwell, Edward A., New York, N. Y. Tire valve for indicating pressures. 1,761,454; June 3.
- Rockwell, Edward A., Long Island City, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill. Liquid-level indicator. 1,759,806; May 20.
- Rockwell, Edward A., New York, N. Y., assignor, by mesne assignments, to Stewart-Warner Corporation. Carburetor. 1,777,735; Oct. 7.
- Rockwell, George E. (See McLaughlin, G. D., Rockwell, O'Flaherty, and Highberger.)
- Rockwell, Harold H., et al, trustees. (See Carlson, Artie C., assignor.)
- Rockwell, Harold H., et al., trustees. (See Myers, Lewis E., assignor.)
- Rockwell, Hugh M., New Haven, Conn. Piston for internal-combustion engines. 1,750,127; Mar. 11.
- Rockwell, Paul O., Edgewood Arsenal, Md. Process and apparatus for purifying air. 1,781,664; Nov. 11.
- Rockwell, Rex L. (See Strom, E., and Rockwell.)
- Rockwell, Willard F., assignor to Wisconsin Parts Company, Oshkosh, Wis. Differential axle. 1,776,703; Sept. 23.
- Rockwood Corporation of America. (See Meier, Albert J., assignor.)
- Rockwood, George O., assignor to Rockwood Manufacturing Company, Indianapolis, Ind. Feeder for punching machines. 1,779,641; Oct. 28.
- Rockwood Manufacturing Company. (See Hammerstadt, William D., assignor.)
- Rockwood Manufacturing Company. (See Rockwood, George O., assignor.)
- Rockwood Sprinkler Company of Massachusetts. (See Carlson, Hjalmar G., assignor.)
- Roco, Albert L., assignor to The Layne & Bowler Company, Houston, Tex. Unit ratchet packer. 1,745,271; Jan. 28.
- Rocquin, Camille J., New Orleans, La. Rake. 1,784,947; Dec. 16.
- Rodd, Edgar, Chicago, Ill., and J. H. Ebel, Mahwah, N. J., assignors to R. Hoe & Co. Inc., New York, N. Y. Wax-matrix black-leading machine. 1,763,866; June 17.
- Rodd, Ernest H. (See Lawrie, L. G., Linch, and Rodd.)
- Rodd, Ernest H. (See Linch, F. W., and Rodd.)
- Rodd, Ernest H., and F. W. Linch, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Preparing triarylmethane dyes. 1,772,522; Aug. 12.
- Rodd, Ernest H., and F. W. Linch, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited Manchester, England. Preparing triarylmethane dyes. 1,772,523; Aug. 12.
- Roddy, Gustav R., assignor to Chain Belt Company, Milwaukee, Wis. Trolley conveyer and trip hook therefor. 1,768,493; June 24.
- Rode, Frank S., Jeannette, Pa. Brake tester. 1,759,714; May 20.
- Rode, Friedrich J., Chicago, Ill. Press for drawing sheet metal and the like. 1,773,438; Aug. 19.
- Rode, Friedrich J., Chicago, Ill. Cushioning device for drawing presses. 1,773,439; Aug. 19.
- Rode, Friedrich J., Chicago, Ill. Metal-working press. 1,773,548; Aug. 19.
- Rode, Friedrich J., Chicago, Ill. Cushioning device for presses. 1,774,614; Sept. 2.
- Rode, Friedrich J., assignor to Marquette Tool & Manufacturing Co., Chicago, Ill. Cushion attachment for presses. 1,743,483; Jan. 14.
- Rode, Friedrich J., assignor to Marquette Tool & Manufacturing Co., Chicago, Ill. Cushion attachment for presses. 1,743,484; Jan. 14.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Co., Chicago, Ill. Valve-operating mechanism. 1,748,732; Feb. 25.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Variable pressure or relief valve. 1,753,024; Apr. 1.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Cushion for sheet-metal presses. 1,757,737; May 6.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Cushion for sheet-metal presses. 1,757,738; May 6.
- Rode, Friedrich J., assignor to Marquette Tool & Manufacturing Co., Chicago, Ill. Cushion for sheet-metal presses. 1,772,914; Aug. 12.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Cushioning device for presses. 1,776,271; Sept. 23.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Co., Chicago, Ill. Hydraulic cushion for sheet-metal presses. 1,777,130; Sept. 30.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Cushioning device for sheet-metal presses. 1,778,229; Oct. 14.
- Rode, Friedrich J., and J. H. Jochum, jr., Chicago, Ill. Sheet-metal press. 1,742,877; Jan. 7.
- Rodemeyer, Harry, assignor to Barnes-Gibson-Raymond Co. Inc., Detroit, Mich. Grinding apparatus and method. 1,763,820; June 17.
- Roden, Louis, Berwyn, Ill. Gate-valve-box cleaner. 1,762,486; June 10.
- Rodenberg, Otto H., Cincinnati, Ohio. Pilot for furnaces. 1,783,676; Dec. 2.
- Roder, Hans. (See Jobst, G., and Roder.)
- Röder, Karl, Hanover, Germany. Steam turbine. 1,759,817; May 20.
- Röder, Karl, Hanover, Germany. Steam turbine. 1,787,263; Dec. 30.
- Roderick, Maude, Newberry, Pa. Telephone-book holder. 1,770,661; July 15.
- Roderick, Richard D., Jermyn, Pa. Obstetrical forceps. 1,760,720; May 27.
- Roderick, William H., Berryton, Kans. Universal joint for motor-driven vehicles. 1,777,895; Oct. 7.
- Röders, Wilhelm, jr., Soltau-Hannover, Germany. Tensioning spring. 1,765,179; June 17.
- Rodger, John, East Lansdowne, Pa. Clutch check. 1,764,752; June 17.
- Rodgers, George M. (See Stokes, William F., assignor.)
- Rodgers, Roy A., assignor of one-third to J. O. Thompson and one-third to F. O. Wheeler, Seneca, Kans. Painter's implement. 1,479,293; Oct. 21.
- Rodier. (See Rodier, Paul, assignor.)
- Rodier, Paul, assignor to Rodier, Paris, France. Manufacture of chenille fringes or other similar ornaments and products. 1,755,839; Apr. 22.
- Rodin, Benard E., East Cleveland, Ohio. Auto creeper. 1,769,548; July 1.
- Rodin, Charles F., San Francisco, Calif. Emergency section for ships. 1,768,152; June 24.
- Rodier, Fred, Cincinnati, Ohio. Centrifugal extractor. 1,782,179; Nov. 18.
- Rodier, Hilmer F., assignor to C. J. Mummert, West New York, N. J. Ignition device for oil burners. 1,756,306; Apr. 29.
- Rodier, Hilmer F., Davenport, Iowa, assignor to C. J. Mummert, West New York, N. J. Liquid-fuel heating apparatus. 1,762,242; June 10.
- Rodman, Clarence J., Alliance, Ohio. Jack. 1,786,866; Dec. 30.
- Rodman, Clarence J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Breathing attachment. 1,764,350; June 17.
- Rodman, Thomas H., New York, N. Y., assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Motor controller. 1,781,792; Nov. 18.
- Rodney Hunt Machine Company. (See Biggs, George A., assignor.)
- Rodrian, Albert, Potsdam, Germany. Type head for typewriters and the like. 1,751,761; Mar. 25.
- Rodrian, Herbert. (See Zschoch, F., and Rodrian.)
- Rodriguez, Florinda de C., administratrix. (See de Christo, Francisco I.)
- Rodriguez, Ernesto M., Mixcoac, Mexico, assignor to Mergenthaler Linotype Company. Pot wiper for slug-casting machines. 1,746,285; Feb. 11.
- Rodstein, Harry, and I. Nathanson, Brooklyn, N. Y. Curtain-retaining device. 1,784,496; Dec. 9.
- Rodwell Sign Company. (See Hill, Harry L., assignor.)
- Roe, Alexander B., Athens, Ohio. Bookbinding machine. 1,744,923; Jan. 28.
- Roe, Alpheus E., Oakland, Calif. Can-filling machine. 1,766,147; June 24.
- Roe, De Forest, Shaker Heights, assignor to The Colson Company, Elyria, Ohio. Buffer. 1,761,233; June 3.
- Roe, Edwin O., assignor to National Spun Silk Co., Inc., New Bedford, Mass. Textile machine. 1,771,656; July 29.

- Roe, Ernest S., assignor to The King Manufacturing Company, Plymouth, Mich. Popgun. 1,779,892; Oct. 28.
- Roe, Ernest S., assignor to The King Manufacturing Company, Plymouth, Mich. Spring air gun. 1,780,541; Nov. 4.
- Roe, Ernest S., assignor to The King Manufacturing Company, Plymouth, Mich. Air gun. 1,782,664; Nov. 25.
- Roe, Harold, et al. (See Chase, Hamilton C., assignor.)
- Roe, Mayo E., assignor to The Colson Company, Elyria, Ohio. Caster. 1,752,030; Mar. 25.
- Roe, Mayo E., assignor to The Colson Company, Elyria, Ohio. Caster. 1,754,438; Apr. 15.
- Roe, Mayo E., assignor to The Colson Company, Elyria, Ohio. Vehicle. 1,763,183; June 10.
- Roe, Mayo E., Elyria, Ohio, assignor to The Colson Company. Caster. 1,778,167; Oct. 14.
- Roe, Ralph C., Englewood, assignor of one-half to S. W. Borden, Summit, N. J. Supporting pole for electrical conductors. 1,786,631; Dec. 30.
- Roe, William C., Pittsburgh, Pa. Phonograph stop. 1,784,391; Dec. 9.
- Roe, William C., assignor to Holmes Electric Protective Company, New York, N. Y. Electrical-circuit-controlling device. 1,742,876; Jan. 7.
- Roe, William C., assignor to Telkor, Inc., Elyria, Ohio. Pendulum. 1,771,383; July 22.
- Roebel, Ludwig, Mannheim, Germany, assignor to Aktien-gesellschaft Brown, Boveri & Cie., Baden, Switzerland. Slot winding for electric machines. 1,777,226; Sept. 30.
- Roebing's, John A., Sons Company. (See Craig, William E., assignor.)
- Roebing's, John A., Sons Company. (See Green, Richard D., assignor.)
- Roebing's, John A., Sons Company. (See Sunderland, Charles C., assignor.)
- Roekner, Martin, Mulheim-Ruhr, Germany, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Method of and apparatus for rolling tubes from a hollow block. 1,767,896; June 24.
- Roekner, Martin, Mulheim-Ruhr, assignor to the firm, Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Rolling tubes from hollow blocks. 1,771,420; July 29.
- Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. Des. 81,155; May 13.
- Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Hinge. Des. 81,312; June 3.
- Roedding, Gordon E., and E. C. Osbeck, assignors to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,765,615; June 24.
- Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,771,100; July 22.
- Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,771,465; July 29.
- Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,776,930; Sept. 30.
- Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,777,106; Sept. 30.
- Roedding, Gordon E., assignor to Doerr Manufacturing Company, Grand Rapids, Mich. Securing means. 1,784,204; Dec. 9.
- Roeg, Louis M., assignor to Brewer & Company, Incorporated, Worcester, Mass. Mercury derivative of tetra-iodo-fluorescein. 1,786,172; Dec. 23.
- Roehl, Louis M., Ithaca, N. Y. Bag holder. 1,783,749; Dec. 2.
- Roehm, John G., assignor to Smith-Lee Company, Inc., Oneida, N. Y. Cover-all cap. 1,774,727; Sept. 2.
- Roehm, Louis E., Dayton, Ohio. Apron. 1,776,044; Sept. 16.
- Roeling, Henry W., B. F. Austin, and J. G. Bauer, New Orleans, La. Electric meter. 1,745,272; Jan. 28.
- Roemer, Fritz. (See Kränzlein, G., Kronholz, and Roemer.)
- Roemer, Fritz. (See Kränzlein, G., Roemer, and Kronholz.)
- Roempler, Frederick G., Chicago, Ill. Theftproof shipping carton. 1,743,162; Jan. 14.
- Roesch, Alfred, and J. Roettinger, Rahway, N. J. Weeding tool. 1,785,531; Dec. 16.
- Roesch, Frank P., Chicago, Ill., assignor to The Standard Stoker Company, Inc., New York, N. Y. Vacuum-controlled stoker. 1,773,078; Aug. 12.
- Roesch, Frank P., Chicago, Ill., F. Hopper, Erie, Pa., and A. M. Hunt, New York, N. Y., assignors to Standard Stoker Company, Incorporated, New York, N. Y. Stoker. 1,777,017; Sept. 30.
- Roesch, George R., assignor to Tolectro Corporation, Toledo, Ohio. Gas-producing apparatus. 1,752,851; Apr. 1.
- Roescher, William, Pittsburgh, Pa. Flying machine 1,774,404; Aug. 26.
- Roece, Arthur D., and F. G. L. Rea, Mount Clemens, Mich. Ice-cream-cone tray. Des. 80,426; Jan. 28.
- Roesen, Oscar C., Brooklyn, N. Y. Taxicab indicator. 1,763,821; June 17.
- Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Mat roaster. 1,762,309; June 10.
- Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Counter-controlled press-stopping device. 1,774,762; Sept. 2.
- Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype-plate-cooling apparatus. 1,783,345; Dec. 2.
- Roessel, Raymond, Brooklyn, N. Y. Ice scooter. 1,745,643; Feb. 4.
- Roessler & Hasslacher Chemical Company, The. (See Cambren, Adrien, assignor.)
- Roessler & Hasslacher Chemical Company, The. (See Lehrecke, Hans., assignor.)
- Roessler & Hasslacher Chemical Company, The. (See McKeown, Thomas H., assignor.)
- Roessler & Hasslacher Chemical Company, The. (See Proctor, Charles H., assignor.)
- Roessler & Hasslacher Chemical Company, The. (See Whitby, George S., assignor.)
- Roessler & Hasslacher Chemical Company, The. (See Zisch, Walter, assignor.)
- Roessler, Louis, Rochester, Minn. Weight-supporting means for hospital beds. 1,769,467; July 1.
- Roettges, Frederick W., New York, N. Y. Table lamp or article of similar nature. Des. 82,284; Oct. 14.
- Roettges, Frederick W., assignor to Wrought Iron & Art Glass Fixture Co., Inc., New York, N. Y. Table lamp or article of similar nature. Des. 81,156; May 13.
- Roettges, Frederick W., assignor to Wrought Iron & Art Glass Fixture Co., Inc., New York, N. Y. Table lamp or article of similar nature. Des. 81,661; July 22.
- Roettges, Frederick W., assignor to Wrought Iron & Art Glass Fixture Co., Inc., New York, N. Y. Table lamp or article of similar nature. Des. 81,662; July 22.
- Roettges, Frederick W., assignor to Wrought Iron & Art Glass Fixture Co., Inc., New York, N. Y. Lighting fixture ornament or article of similar nature. Des. 81,663; July 22.
- Roettges, Frederick W., assignor to Lighting Appliances Company, Inc., New York, N. Y. Glass shade for a lighting fixture or article of similar nature. Des. 81,847; Aug. 19.
- Roettges, Frederick W., assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture member or article of similar nature. Des. 81,848; Aug. 19.
- Roettges, Frederick W., assignor to Wrought Iron & Art Glass Fixture Co. Inc., New York, N. Y. Lighting-fixture ornament or article of similar nature. Des. 82,283; Oct. 14.
- Roettges, Frederick W., assignor to Wrought Iron & Art Glass Fixture Co., Inc., New York, N. Y. Table lamp or article of similar nature. Des. 82,347; Oct. 21.
- Roettges, Frederick W., Brooklyn, assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture or article of similar nature. Des. 81,022; Apr. 22.
- Roettges, Frederick W., Brooklyn, assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture or article of similar nature. Des. 81,023; Apr. 22.
- Roettges, Frederick W., assignor to Aljac Art Metal Products Corporation, Brooklyn, N. Y. Lamp. Des. 81,205; May 20.
- Roettges, Frederick W., assignor to Aljac Art Metal Products Corporation, Brooklyn, N. Y. Lamp. Des. 81,206; May 20.
- Roettges, Frederick W., Brooklyn, assignor to Lighting Appliance Company, Inc., New York, N. Y. Body plate for lighting fixture or article of similar nature. Des. 81,462; June 24.
- Roettges, Frederick W., New York, N. Y., and J. T. Gutzwa, Meriden, Conn., assignors to Lighting Appliance Company, Inc., New York, N. Y. Base plate for a lighting fixture or article of a similar nature. Des. 81,849; Aug. 19.
- Roettges, Frederick W., New York, N. Y., and J. T. Gutzwa, Meriden, Conn., assignors to Lighting Appliance Company, Inc., New York, N. Y. Lighting-fixture member or article of similar nature. Des. 81,850; Aug. 19.
- Roettinger, John. (See Roesch, A., and Roettinger.)
- Rogaciewicz, Feliks. (See Rogaciewicz, J. and F.)
- Rogaciewicz, Julius and F., Detroit, Mich. Fuel-mixing device. 1,743,622; Jan. 14.
- Rogan, James G., Seattle, Wash. Sprinkler attachment for hose nozzles. 1,745,914; Feb. 4.
- Rogers, Alfred S., assignor to The Adco, Inc., New York, N. Y. Sign. 1,746,405; Feb. 11.
- Rogers, Arthur R., Jonesport, Me. Fish-cutting machine. 1,750,431; Mar. 11.
- Rogers, Arthur R., Jonesport, Me. Fish-cutting machine. 1,786,632; Dec. 30.
- Rogers, Catherine, Taunton, Mass. Curtain confiner. 1,750,816; Mar. 18.
- Rogers, Charles E., Detroit, Mich. Vacuum pan. 1,746,795; Feb. 11.
- Rogers, Daniel I., assignor to The G & O Manufacturing Company, New Haven, Conn. Radiator-making machine. 1,742,321; Jan. 7.
- Rogers, Daniel I., assignor to The G & O Manufacturing Company, New Haven, Conn. Machine for and method of making radiator units. 1,742,414; Jan. 7.
- Rogers, Edbert, Flint, assignor to E. S. Evans & Company, Detroit, Mich. Shipping bracket for motor vehicles or the like. 1,754,803; Apr. 15.
- Rogers, Edmund. (See Werder, John F., assignor.)
- Rogers, Ernest H., Atlanta, Ga. Pneumatic cotton picker or lapper. 1,761,493; June 3.

- Rogers, Everett I., jr., Providence, R. I. Clip. Des. 81,463; June 24.
- Rogers, Frederick W., Beaver Dam, Wis., assignor to Malleable Iron Range Company. Electric oven construction. 1,784,753; Dec. 9.
- Rogers, Gilbert E., Rockaway, N. J. Fuse for projectiles. 1,749,088; Mar. 4.
- Rogers, Harrison W., Inc. (See Ebeling, Charles W., assignor.)
- Rogers, Harrison W., New York, N. Y. Film-control mechanism for synchronized sound and motion pictures. 1,747,558; Feb. 18.
- Rogers, Harrison W., New York, N. Y. Electrical recording apparatus. 1,773,601; Aug. 19.
- Rogers, Harrison W., New York, N. Y. Electrical recorder reproducer. 1,776,045; Sept. 16.
- Rogers, Harrison W., New York, N. Y. Synchronized photography and sound. 1,777,418; Oct. 7.
- Rogers, Harry R., Chicago, Ill. Foot support. 1,750,360; Mar. 11.
- Rogers, Homer S., and R. Raddatz, assignors to Combustion Fuel Oil Burner Company, Milwaukee, Wis. Oil-burning apparatus. 1,764,984; June 17.
- Rogers, Homer S., and R. Raddatz, assignors to Milwaukee Air Power Pump Co., Milwaukee, Wis. Pneumatic pump. 1,767,478; June 24.
- Rogers, Horace K., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,781,884; Nov. 18.
- Rogers, James M., St. Louis, Mo. Saw set. 1,774,039; Aug. 26.
- Rogers, John F., Cleveland Heights, assignor to The Wellman Engineering Company, Cleveland, Ohio. Mechanical feed for gas producers. 1,779,109; Oct. 21.
- Rogers, John F., Cleveland Heights, assignor to The Wellman Engineering Company, Cleveland, Ohio. Feed mechanism for gas producers. 1,785,789; Dec. 23.
- Rogers, John F., Cleveland Heights, assignor to The Wellman Engineering Company, Cleveland, Ohio. Gas producer. 1,784,882; Dec. 16.
- Rogers, John H., and T. Concha, Los Angeles, Calif. Water heating and dispensing means. 1,752,698; Apr. 1.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,762,889; June 10.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting machine. 1,762,890; June 10.
- Rogers, John V. (See Colvin, F. S., and Rogers.)
- Rogers, Joseph H., et al. (See MacLellan, William J., assignor.)
- Rogers, Lorlys R. (See Cook, H. M., and Rogers.)
- Rogers, Lunt & Bowlen Company. (See Koonz, Frederick W., assignor.)
- Rogers, Oll, et al. (See Holmes, Daniel T., assignor.)
- Rogers, Perley W. (See Goldsmith, A. L., and Rogers.)
- Rogers Products Co. (See Albertine, Herman, assignor.)
- Rogers Products Co. (See Zabriskie, Charles L., assignor.)
- Rogers, Ralph R., Bayard, Nebr. Can closure and pouring spout. 1,745,382; Feb. 4.
- Rogers, Robert H., Schenectady, N. Y., assignor to General Electric Company. Apparatus for towing, mooring, and the like. 1,768,295; June 24.
- Rogers, Robert H., Alphaus, N. Y., assignor to General Electric Company. Apparatus for towing, mooring, and the like. 1,768,420; June 24.
- Rogers, Roland J. (See Bombard, J. A., and Rogers.)
- Rogers, Thomas H., assignor to Standard Oil Company, Whiting, Ind. Refined viscous hydrocarbon oil. 1,774,845; Sept. 2.
- Rogers, Walter F., assignor to Crown Stove Works, Cicero, Ill. Gas stove. Des. 82,851; Dec. 16.
- Rogers, Walter F., assignor to Crown Stove Works, Chicago, Ill. Gas stove. 1,773,754; Aug. 26.
- Rogers, Walter G., Leavenworth, Kans. Hillside tractor. 1,780,799; Nov. 4.
- Rogers, William R., Westfield, N. J. Automatic lock stop for sewing machines. 1,744,678; Jan. 21.
- Rogge, Bernhard, Berlin, Germany. Portable electric lamp. 1,778,039; Oct. 14.
- Rognlie, Ingolf H. M. (See Hasselquist, A. A., and Rognlie.)
- Rognon, Jules A., Levallois Perret, France. Material for the low-temperature soldering of metals. 1,759,279; May 20.
- Rohaut, Charles N., and E. G. Gearhart, Astoria, Oreg. Combination form holder and concrete anchor. 1,781,601; Nov. 11.
- Robde, Otto C., assignor to Champion Spark Plug Company, Toledo, Ohio. Shielded spark plug. 1,782,745; Nov. 25.
- Rohdiek, John, New York, N. Y. Lamp-shade frame. Des. 82,109; Sept. 23.
- Rohkohl, Wilhelm, Potsdam, Germany, assignor to General Electric Company. Safety system. 1,752,852; Apr. 1.
- Rohl, Erich H., Chicago, Ill., assignor to The Mantle Lamp Company of America, Incorporated. Machine for making vacuum bottles and the like. 1,755,307; Apr. 22.
- Rohl, Erich H., assignor to The Mantle Lamp Company of America, Chicago, Ill. Method of and apparatus for assembling glass blanks. 1,786,456; Dec. 30.
- Rohleder, Firm, A. (See Seiwerts, Alfons L., assignor.)
- Rohlfing, John M., Plainfield, N. J., assignor to American Car and Foundry Company, New York, N. Y. Truck. 1,748,147; Feb. 25.
- Rohlfing, John M., Plainfield, N. J., assignor to American Car and Foundry Company, New York, N. Y. Cupola-charging bucket. 1,762,797; June 10.
- Rohlfs, Roland, Forest Hills, assignor to Aerial Advertising Inc., New York, N. Y. Fastening means for night aerial advertising signs or the like. 1,773,549; Aug. 19.
- Rohlfs, Roland, Forest Hills, assignor to Aerial Advertising, Inc., New York, N. Y. Electrical aerial advertising sign. 1,781,081; Nov. 11.
- Rohloff, John J. (See Reichelt, L. O., and Rohloff.)
- Rohm, Albert C., jr., Davenport, Iowa. Child's reciprocating rocker. 1,750,862; Mar. 18.
- Röhm and Haas Company. (See Le Petit, Charles J. M., assignor.)
- Rohm & Haas Company. (See Pfister, Karl H. T., assignor.)
- Röhm & Haas Company. (See Somerville, Ian C., assignor.)
- Rohm & Haas Company. (See Thompson, Arthur R., jr., assignor.)
- Röhm, Otto, Darmstadt, Germany. Emulsion. 1,751,217; Mar. 18.
- Rohn, Walter S., Needham, assignor of one-half to H. A. Palmer, Boston, Mass. Internal-combustion engine. 1,757,815; May 6.
- Rohrbach, Adolf, Berlin-Wilmersdorf, Germany, assignor to Rohrbach Patents Corporation. Floating body for seaplanes. 1,767,815; June 24.
- Rohrbach, Adolf, Berlin-Wilmersdorf, Germany. Float construction for hydroplanes. 1,776,336; Sept. 23.
- Rohrbach, Adolf, Berlin-Wilmersdorf, Germany. Engine-cooling system for hydroaeroplanes. 1,779,078; Oct. 21.
- Rohrbach, Adolf, Wilmersdorf, near Berlin, Germany, assignor to Rohrbach Patents Corporation. Monoplane flying boat. 1,771,512; July 29.
- Rohrbach, Adolf, Berlin-Wilmersdorf, Germany, assignor to Rohrbach Patents Corporation. Arrangement of engines on aircraft. 1,782,013; Nov. 18.
- Rohrbach Metall-Flugzeugbau, G. m. b. H. (See Staiger, Ludwig, assignor.)
- Rohrbach Patents Corporation. (See Rohrbach, Adolf, assignor.)
- Rohrbacher, Earl W., Detroit, Mich. Variable transmission or torque converter. 1,767,311; June 24.
- Rohrbogenwerk Gesellschaft mit beschränkter Haftung. (See Böbling, Rudolf H., assignor.)
- Rohrdanz, Harold, Inglewood, Calif. Swivel electric connector. 1,762,422; June 10.
- Rohrdantz, Henry, Philadelphia, Pa. Traffic indicator. 1,752,756; Apr. 1.
- Rohrke, Reinhold W., Norfolk, Nebr. Guard. 1,766,690; June 24.
- Rohrmann, Alfred, and R. I. Fowler, Oakland, Calif. Heating lid. 1,774,996; Sept. 2.
- Rohrmann, Alfred, Oakland, and H. Schmidt, Berkeley, Calif. Culinary means. 1,787,171; Dec. 30.
- Rohrmann, Alfred, Oakland, and H. Schmidt, Berkeley, Calif. Cover for cooking vessels. 1,787,172; Dec. 30.
- Rohrmann, Paul, Breslau, Germany. Chair. 1,773,791; Aug. 26.
- Rohwedder, Otto F., assignor to Mac-Roh Sales & Mfg. Company, Davenport, Iowa. Retainer for sliced bread. 1,759,592; May 20.
- Roitzheim, Alexander, and W. Remy, Berlin-Oberschöne-weide, Germany. Furnace for treating zinc ores and other zinciferous material. 1,755,076; Apr. 15.
- Roland and Whytock Company Inc. (See Bainton, George W., assignor.)
- Rolfen, Ole, Knivso, near Halden, Norway. Rock-cutting tool. 1,753,969; Apr. 8.
- Rolfen, Ole, Knivso, near Halden, Norway. Hammer head for rotating rock-cutting tools. 1,753,970; Apr. 8.
- Rolfen, Ole, Larvik, Norway. Rotating tool for working in earth, rock, metal, wood, and the like. 1,773,408; Aug. 19.
- Roll, Edwin B., Los Angeles, Calif. Sign. 1,785,145; Dec. 16.
- Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Sheet-metal container. 1,763,329; June 10.
- Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Removable cover for sheet-metal containers. 1,770,807; July 15.
- Roll-A-Way Bed Corporation. (See Matheson, William A., assignor.)
- Rollefson, Karl E., assignor to National Electrical Products Company, Chicago, Ill. Radiocabinet. Des. 81,757; Aug. 5.
- Roller, Frank W., East Orange, N. J., assignor to Roller Smith Company. Circuit breaker. 1,767,479; June 24.
- Roller, Lyman L. (See Haubert, Leo, assignor.)
- Roller, Robert H., Mammoth, W. Va. Road cleaner. 1,766,456; June 24.
- Roller-Smith Company. (See Roller, Frank W., assignor.)
- Rollhaus, Philipp E. (See McKee, R. H., Morse, and Rollhaus.)
- Rollins, Frank S. (See Hamilton, William F., assignor.)
- Rollins, Harris H. (See Rollins, Jarrot L. and H. H.)
- Rollins, Jarrot L., Colfax, and H. H. Rollins, Auburn, Calif. Dimmer glasses. 1,744,282; Jan. 21.

- Rollinson, Earl H., Newark, N. J. Plunger-type electric bell. 1,769,312; July 1.
- Rollman, Bruce, assignor to The Ohio Cultivator Company, Bellevue, Ohio. Press. 1,749,509; Mar. 4.
- Rollman, Bruce, assignor to The Ohio Cultivator Company, Bellevue, Ohio. Press. 1,750,432; Mar. 11.
- Rollman, Michael A., Mount Joy, Pa. Food chopper. 1,776,373; Sept. 23.
- Rolls Razor (1927) Limited. (See Salerni, Piero M., assignor.)
- Rolls Royce Limited. (See Ellor, James E., assignor.)
- Rolls Royce Limited. (See Hall, H. C., and Bradbury, assignors.)
- Rolls-Royce Limited. (See Rowledge, Arthur J., assignor.)
- Rolls-Royce Limited. (See Royce, Frederick H., assignor.)
- Rolnick, Harry, assignor of fifty per cent to Byer-Rolnick Company, Dallas, Tex. Hat brim. 1,785,325; Dec. 16.
- Rolph, Benjamin M., Dixon, Ill. Cultivating device. 1,784,974; Dec. 16.
- Rolph, Samuel F., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Indicator for locks. 1,749,649; Mar. 4.
- Rolph, Thomas W. (See Dorey, W. A. and Rolph.)
- Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Reflecting prism. 1,758,977; May 20.
- Rolscreen Company. (See Dixon, Harry, assignor.)
- Rolscreen Company. (See Nelson, Nels H., assignor.)
- Rolston, Walter F., assignor of one-half to Burson Knitting Company, Rockford, Ill. Yarn-changing mechanism. 1,767,480; June 24.
- Rolston, Walter F., assignor of one-half to Burson Knitting Company, Rockford, Ill. Suture. 1,781,933; Nov. 18.
- "Romac" Motor Accessories Limited. (See Boyce, Reginald D., assignor.)
- Romagnoli, Tito, Bologna, Italy. Sun-heat motor. 1,785,651; Dec. 16.
- Romain, Frederick, Marias, Mont. Tire and mud chain. 1,745,273; Jan. 28.
- Romain, Frederick, Marias, Mont. Tire chain. 1,768,153; June 24.
- Roman, Frank L. (See Huiskens, A. H., and Roman.)
- Roman, Frank L., Chicago, and H. T. Winsemius, Congress Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Cementitious substance and making the same. 1,765,616; June 24.
- Roman, Harry J., and W. C. Dietrich, Dunsmuir, Calif. Hook. 1,767,897; June 24.
- Roman, Max, New York, N. Y. Milk-container holder. 1,755,335; Apr. 22.
- Romanchak, Charles, Buffalo, N. Y. Water-faucet attachment. 1,773,643; Aug. 19.
- Romaniuk, Alexsey P., Detroit, Mich. Land and water vehicle. 1,759,280; May 20.
- Rombach, John C. (See Bell, L. D., and Rombach.)
- Rome Company, The. (See Gerlowski, Anthony, assignor.)
- Rome Company, The. (See Pittoni, Louis E., assignor.)
- Rome Company, The. (See Smith, Arthur M., assignor.)
- Romer, James F., West Hampstead, London, assignor to J. E. Thornton, London, England. Optical device for photographic, cinematographic, and other purposes. 1,765,882; June 24.
- Romer, Raoul, Baden, Switzerland. Salad-serving implement. 1,775,571; Sept. 9.
- Romero, Alfredo L., San Francisco, Calif. Toy. 1,779,620; Oct. 28.
- Romero, Antonio S., Santurce, Porto Rico. Fountain pen. 1,764,470; June 17.
- Romero, Eugenio R., et al. (See Montano, Antonio, assignor.)
- Romero, Luis, Mexico, Mexico. Tortilla-forming machine. 1,763,445; June 10.
- Romieux, Charles J., and H. P. Wohnsiedler, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Making di-thiophosphates. 1,748,619; Feb. 25.
- Romig, Frank G., Seattle, Wash. Blower. 1,752,810; Apr. 1.
- Romilly, Edgar P. (See Hartzler, M. E., and Romilly.)
- Romine, Robert T. (See Systrom, Ernest W., assignor.)
- Romine, Robert T. (See Warren, Jay F., assignor.)
- Romine, Robert T., Detroit, Mich. Portable loading platform. 1,745,041; Jan. 28.
- Romine, Robert T., Detroit, Mich. Portable stack lifter or crane. 1,745,042; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Loading platform. 1,745,043; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Portable stack apparatus for shipping sheet metal. 1,745,044; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Portable crane. 1,745,045; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Portable stack lifter. 1,745,046; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Car-loading apparatus. 1,745,047; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Portable stack lifter. 1,745,048; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Method and apparatus for handling metal. 1,745,050; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Portable stack lifter. 1,745,052; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Portable stack lifter. 1,745,053; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Apparatus and method for handling metal. 1,745,054; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Method and apparatus for handling material. 1,745,055; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Method and apparatus for shipping metal. 1,745,056; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Method and apparatus for shipping metal. 1,745,057; Jan. 28.
- Romine, Robert T., Mount Clemens, Mich. Car loading and unloading method. 1,751,717; Mar. 25.
- Romine, Robert T., Mount Clemens, Mich. Sheet-metal loading for freight cars. 1,772,731; Aug. 12.
- Romine, Robert T., Mount Clemens, Mich. Portable platform. 1,772,732; Aug. 12.
- Romine, Robert T., Mount Clemens, Mich. Industrial truck. 1,772,733; Aug. 12.
- Romine, Robert T., Mount Clemens, Mich. Method and apparatus for handling metal. 1,772,734; Aug. 12.
- Romine, Robert T., Mount Clemens, Mich. Handling material. 1,772,735; Aug. 12.
- Romine, Robert T., Mount Clemens, Mich. Portable platform. 1,772,736; Aug. 12.
- Romine, Robert T., Mount Clemens, Mich. Method and apparatus for shipping metal. 1,784,909; Dec. 16.
- Romine, Robert T., Mount Clemens, assignor to Hudson Motor Car Company, Detroit, Mich. Trailer for automobile bodies. 1,750,128; Mar. 11.
- Romine, Robert T., Mount Clemens, assignor to Hudson Motor Car Company, Detroit, Mich. Automobile body handling. 1,750,129; Mar. 11.
- Romine, Robert T., Mount Clemens, assignor to Hudson Motor Car Company, Detroit, Mich. Handling and assembling automobile bodies. 1,750,130; Mar. 11.
- Romine, Robert T., Mount Clemens, assignor to Hudson Motor Car Company, Detroit, Mich. Automobile body handling. 1,750,131; Mar. 11.
- Rommer, Isaac A., assignor to Ideal Novelty & Toy Co., Brooklyn, N. Y. Attaching dolls' eyes to dolls' heads. 1,760,002; May 27.
- Romort Manufacturing Company. (See Ewald, Arno A., assignor.)
- Ronaldson, David, Ballarat, Victoria, Australia. Wheel for tractors, agricultural implements, and the like. 1,748,190; Feb. 25.
- Ronconi, Dominic, Chicago, Ill. Melody warner. 1,779,048; Oct. 21.
- Rondolin, Laurent, Bermondsey, London, assignor to L. Rondolin and Peek Frean & Company, Limited, London, England. Machine for cutting biscuits from dough. 1,764,280; June 17.
- Rondolin, Laurent, and Peek Frean & Company. (See Rondolin, Laurent, assignor.)
- Ronk, George T., Cedar Rapids, Iowa. Machine frame. 1,756,387; Apr. 29.
- Ronk, George T., Cedar Rapids, Iowa. Machine part. 1,775,295; Sept. 9.
- Ronk, George T., Fairfield, assignor to Speeder Machinery Corporation, Cedar Rapids, Iowa. Transmission mechanism for excavators. 1,757,336; May 6.
- Ronk, George T., assignor to Speeder Machinery Corporation, Cedar Rapids, Iowa. Reversible cable drum. 1,781,195; Nov. 11.
- Rönning, Daniel, and A. Rooth, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Operating mechanism for circuit breakers. 1,771,421; July 29.
- Ronning, Adolph. (See Ronning, Andean G. and A.)
- Ronning, Adolph, et al., executors. (See Ronning, Adolph and A. G.)
- Ronning, Adolph, et al., executors. (See Ronning, Andean G.)
- Ronning, Adolph, and A. G. Ronning, deceased; A. Ronning, Minneapolis, and J. A. Ronning, St. Paul, Minn., executors. Road machine. 1,767,617; June 24.
- Ronning, Andean G. (See Ronning, Adolph and A. G.)
- Ronning, Andean G. and A., Minneapolis, Minn., assignors to International Harvester Company. Combination tractor cultivator. 1,769,038; July 1.
- Ronning, Andean G., deceased, Minneapolis, Minn., J. A. Ronning and A. Ronning, executors. Hydraulic transmission system. 1,762,590; June 10.
- Ronning, Andean G., deceased, Minneapolis, Minn.; J. A. Ronning and A. Ronning executors. Combination land and air machine. 1,776,374; Sept. 23.
- Ronning, Jacob A., et al., executors. (See Ronning, Adolph and A. G.)
- Ronning, Jacob A., et al., executors. (See Ronning, Andean G.)
- Ronzoni, Angelo. (See Ronzoni, Emanuele and A.)
- Ronzoni, Emanuele, and A. Ronzoni, New York, N. Y. Device for producing die-cut noodles. 1,774,671; Sept. 2.
- Roof, Charles R., Baltimore, Md. Apparatus for forming nuts. 1,761,642; June 3.
- Roof, Harold C., Adams Center, N. Y. Windshield cleaner and heater. 1,752,615; Apr. 1.
- Rooke, Robert M., jr., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Rail-cutting appliance. 1,764,471; June 17.
- Rooney, John, assignor of one-half to H. J. Green, Cleveland, Ohio. Plasterer's trowel. 1,763,066; June 10.
- Rooney, Matthew J., New York, N. Y. Portable soap holder. 1,757,590; May 6.
- Rooney, Patrick J., Sugar Notch, Pa. Signal. 1,749,263; Mar. 4.

- Rooney, Patrick J., Sugar Notch, Pa. Lantern. 1,768,374; June 24.
- Roorda, Abraham L., Leighton, Iowa. Vehicle tongue. 1,755,519; Apr. 22.
- Roos, Axel H., Chico, Calif. Automatic key-duplicating machine. 1,746,499; Feb. 11.
- Roos, Axel H., Chico, Calif. Combination calipers. 1,766,546; June 24.
- Roos, Delmar G. (See Newcomb, E. C., and Roos.)
- Roos, Delmar G., assignor to The Studebaker Corporation, South Bend, Ind. Spring shackle. 1,749,846; Mar. 11.
- Roos, Delmar G., assignor to The Studebaker Corporation, South Bend, Ind. Spring shackle. 1,749,847; Mar. 11.
- Roos, Delmar G., assignor to The Studebaker Corporation, South Bend, Ind. Spring shackle. 1,749,848; Mar. 11.
- Roos, Delmar G., assignor to The Studebaker Corporation, South Bend, Ind. Spring shackle. 1,749,849; Mar. 11.
- Roos, Delmar G., assignor to The Studebaker Corporation, South Bend, Ind. Steering mechanism. 1,781,705; Nov. 18.
- Roos, Delmar G., assignor to The Studebaker Corporation, South Bend, Ind. Internal-combustion engine. 1,782,513; Nov. 25.
- Roos, Jimmy N., New Orleans, La. Dry and liquid measuring device, container, and dispenser. 1,748,191; Feb. 25.
- Roos, Wendel V., New York, N. Y. Collapsible tube. 1,753,665; Apr. 8.
- Roosa, Herbert H., Lincoln, Nebr. Shoe-lasting device. 1,754,695; Apr. 15.
- Roosevelt, Claude L., Detroit, Mich. Curtain drier and stretcher. 1,753,025; Apr. 1.
- Root, A. I., Company, The. (See Root, Huber H., assignor.)
- Root, Bertwell C., assignor to Brown Company, Berlin, N. H. Fiber conduit joint and making same. 1,755,898; Apr. 22.
- Root, Bertwell C., assignor to Brown Company, Berlin, N. H. Conduit connection. 1,755,899; Apr. 22.
- Root, Carl H., Detroit, Mich. Furnace. 1,757,878; May 6.
- Root, Frederick J., Cleveland, Ohio. Magazine-type dispenser. 1,742,668; Jan. 7.
- Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Air purifier for toilets. 1,774,156; Aug. 26.
- Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Education appliance and making the same. 1,775,603; Sept. 9.
- Root, Ralph R., Lakewood, Ohio. Gas-controlling device. 1,753,968; Apr. 8.
- Root, Ralph R., Lakewood, Ohio. Controlling device for gas burners. 1,757,591; May 6.
- Root Spring Scraper Company. (See Weeks, Ernest A., assignor.)
- Root, Stanley R. (See Derby, Norman L., assignor.)
- Root, William E., Bloomfield, Conn. Tongs. 1,750,817; Mar. 18.
- Root, William R., Terre Haute, Ind. Bottle. Des. 80,808; Mar. 25.
- Rootes, Percy, Windsor, England, assignor to Brandes Laboratories, Inc., Newark, N. J. Electromagnetic sound reproducer. 1,778,402; Oct. 14.
- Rooth, Adolf. (See Rönberg, D., and Rooth.)
- Roothaan, Jan, Hayes, England. Coil for electrical transformers. 1,747,953; Feb. 18.
- Roots, P. H., & F. M., Company, The. (See Owens, Robert H., assignor.)
- Roper, William, Baldwin, N. Y., assignor of one-half to T. S. Gassner, Philadelphia, Pa. Casement window. 1,742,864; Jan. 7.
- Ropp, Franklin N., Hollywood, Calif. Combination joist hanger and tie. 1,785,791; Dec. 23.
- Ropp, Franklin N., Hollywood, Calif. Combination joist hanger and tie. 1,786,790; Dec. 23.
- Rorex, Evangeline. (See Aron, William P., assignor.)
- Rosan, Ferdinand R., Bendigo, Australia. Turning tool applicable to remove refractory screws. 1,761,156; June 3.
- Rosano, Max G., Chicago, Ill. Plate holder. 1,784,112; Dec. 9.
- Rosati, Dominick, Chicago, Ill. Cork extractor. 1,753,026; Apr. 1.
- Rosback, F. P., Company. (See Manny, Fred L., assignor.)
- Rosch, George J., Marcus, Iowa. Gate bolt. 1,786,265; Dec. 23.
- Rosche, Joseph W., Minneapolis, Minn. Sanding and chamfering machine. 1,750,433; Mar. 11.
- Roscher, Heinrich, assignor to Norddeutsche Affinerie, Hamburg, Germany. Refining antimony by electrolysis of acid electrolytes. 1,780,944; Nov. 11.
- Roscoe, David L., San Diego, Calif. Aerofoil. 1,763,257; June 10.
- Roscoe, E. L., et al. (See Austin, William J., assignor.)
- Roscoe, Robert, Clarendon Hills, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Heat-treating apparatus. 1,764,647; June 17.
- Rose, Alfred G., Gainsborough, assignor to Rose Brothers, Gainsborough, Limited, Albion Works, Gainsborough, England. Machine for wrapping caramels or like articles. 1,758,468; May 13.
- Rose, Alfred G., assignor of one-half to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for feeding cigarettes or like articles. 1,769,650; July 1.
- Rose, Alfred G., assignor of one-half to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Wrapping machine. 1,775,212; Sept. 9.
- Rose, Almond P., Painesville, assignor to Nelson & Kuemmerling, Inc., Canton, Ohio. Rope saddle. 1,775,736; Sept. 16.
- Rose, Arthur S. (See Cobb, P., and Rose.)
- Rose Brothers, Limited. (See Rose, Alfred G., assignor.)
- Rose, Bruce E., Exeter, Calif. Scraper. 1,750,132; Mar. 11.
- Rose, C. W. (See Rose, Walter E., assignor.)
- Rose, Carl L., Kansas City, Mo. Egg tongs. 1,767,553; June 24.
- Rose, Clarence F., near Modoc, Ind. Soil-working combine. 1,751,887; Mar. 25.
- Rose, Edward D. (See Heymann, G. H., and Rose.)
- Rose, Frank G., Dayton, Ky. Swing seating device. 1,766,840; June 24.
- Rose, Fred G., and J. H. Murray, Rock Ford, Colo. Automatically-operated fence gate. 1,759,207; May 20.
- Rose, George H. (See Coons, P. T., and Rose.)
- Rose, Harry C., assignor of one-third to Theodore L. White, jr., Brooklyn, N. Y. Guard for linemen's climbing hooks. 1,774,615; Sept. 2.
- Rose, James M., Corona, Calif. Elevated railroad. 1,748,309; Feb. 25.
- Rose, Joseph, assignor to Structural Waterproofing Company, New York, N. Y. Dampproof building. 1,761,410; June 3.
- Rose, Manuel F., Alameda, Calif. Perpetual calendar. 1,772,112; Aug. 5.
- Rose, Reed P. (See Esselen, G. J., jr., and Rose.)
- Rose, Reed P., Jackson Heights, and H. E. Cude, Floral Park, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Dispersing reclaimed rubbers. 1,749,607; Mar. 4.
- Rose, Reed P., Jackson Heights, and H. E. Cude, Floral Park, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Dispersing rubber. 1,749,608; Mar. 4.
- Rose, Reed P., Jackson Heights, and H. E. Cude, Floral Park, assignors to General Rubber Company, New York, N. Y. Production of combinations of rubber and paper and product obtained thereby. 1,756,035; Apr. 29.
- Rose, Reed P., Jackson Heights, and H. E. Cude, Floral Park, assignors to General Rubber Company, New York, N. Y. Insulating paper. 1,765,774; June 24.
- Rose, R. P., Jackson Heights, and H. E. Cude, Floral Park, assignors to General Rubber Company, New York, N. Y. Production of combinations of rubber and paper and products obtained thereby. 1,773,201; Aug. 19.
- Rose, Thad, Van Nuys, Calif. Dirigible. 1,766,358; June 24.
- Rose, Walter E., assignor of one-half to C. W. Rose, Denver, Colo. Support for window cleaners. 1,767,554; June 24.
- Rose, William D., Portland, Oreg. Magazine cover. Des. 82,449; Nov. 4.
- Rose, William H., Jersey City, N. J. Container closure. 1,761,367; June 3.
- Rose, William H., Jersey City, N. J. Container cover. 1,772,689; Aug. 12.
- Rose, William H., Jersey City, N. J. Container closure. 1,775,356; Sept. 9.
- Roseberg, Harry M., Moline, Ill. Universal joint. 1,772,915; Aug. 12.
- Rosedale Foundry & Machine Company. (See Holt, Harris B., assignor.)
- Rosekrans, Wilfred M., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,756,102; Apr. 29.
- Roselle, Fredrick H., Turlock, Calif. Fuse-handling tool. 1,752,575; Apr. 1.
- Roseman, Leo, Newark, N. J. Sewing machine. 1,742,221; Jan. 7.
- Roseman, Leo, Newark, N. J. Indicating means for fastener-tape-sewing machines. 1,742,222; Jan. 7.
- Roseman, Leo, Newark, N. J. Hook-fastener tape and applying same to garments. 1,748,397; Feb. 25.
- Roseman, Leo, Newark, N. J. Sewing machine. 1,748,398; Feb. 25.
- Roseman, Leo, Newark, N. J. Hook-tape-sewing machine. 1,748,399; Feb. 25.
- Rosemary Mfg. Co. (See Haug, Herman, assignor.)
- Rosen, Abraham W., New York, N. Y. Device for supporting articles on tires or the like. 1,765,099; June 17.
- Rosen, Carl, Media, Ill. Pulverizer attachment for corn planters. 1,755,271; Apr. 22.
- Rosen, Louis W., Brooklyn, N. Y. Binding device for flexible linear connections. 1,758,978; May 20.
- Rosen, Martin, assignor to Sun Goods Corporation, Chicago, Ill. Package. Re17,668; May 13.
- Rosen, Morris. (See Bergelson, Isadore, assignor.)
- Rosen, Samuel, et al. (See Dearmann, James, assignor.)
- Rosenau, S. & Co. (See Silverman, Leo, assignor.)

- Rosenband, Albert, assignor to The Rosenband Manufacturing Co., Newark, N. J. Clasp for pocketbooks and the like. 1,782,665; Nov. 25.
- Rosenband Manufacturing Co., The. (See Rosenband, Albert, assignor.)
- Rosenbaum, Bruno, Berlin, Germany assignor to Westinghouse Electric & Manufacturing Company. Vacuum tube. 1,765,501; June 24.
- Rosenbaum, Gad, Detroit, Mich. Stair and baluster railing. 1,757,686; May 6.
- Rosenbaum, George L., Atlanta, Ga. Filter and storage unit. 1,766,228; June 24.
- Rosenbaum, Louis, New York, N. Y. Hat-worker's bench or cabinet. 1,748,560; Feb. 25.
- Rosenbaum, Rudolph R., Chicago, Ill. Lubricant product and producing process. 1,752,309; Apr. 1.
- Rosenbaum, Rudolph R., Chicago, Ill. Lubricant and producing process. 1,773,203; Aug. 19.
- Rosenberg, A., & Co. (See Rosenberg, Arthur, assignor.)
- Rosenberg, Armin, assignor to Reliable Knitting Company, Milwaukee, Wis. Knitted cap and making same. 1,781,196; Nov. 11.
- Rosenberg, Arthur, assignor to A. Rosenberg & Co., Boston, Mass. Belt buckle. 1,784,794; Dec. 9.
- Rosenberg Bros. & Co. (See Shaw, B. J., and Semple, assignors.)
- Rosenberg, Daniel C., Sobieski, Wis. Fruit-drying frame. 1,768,296; June 24.
- Rosenberg, Edward N. (See Bevington, J. J., and Rosenberg.)
- Rosenberg, Edwin C., Milwaukee, Wis. Brake. 1,767,014; June 24.
- Rosenberg, Elmer. (See Meyers, J. H., and Rosenberg.)
- Rosenberg, Friedrich, Spandau, Germany, assignor to General Electric Company. Welded joint. 1,754,051; Apr. 8.
- Rosenberg, Heyman, New York, N. Y. Metallic fastener. 1,774,846; Sept. 2.
- Rosenberg, Heyman, New York, N. Y. Anchorage in masonry. 1,784,754; Dec. 9.
- Rosenberg, Heyman, New York, N. Y. Anchorage device. 1,784,755; Dec. 9.
- Rosenberg, Heyman, New York, N. Y. Apparatus for and art of treatment of metal work. 1,786,508; Dec. 30.
- Rosenberg, Isadore B., and R. Mulwitz, Port Chester, N. Y. Bed-spring support. 1,766,190; June 24.
- Rosenberg, Leo. (See Kaplan, Benjamin, and Rosenberg.)
- Rosenberg, Max A., assignor of one-quarter to B. B. Kasloff, Brooklyn, N. Y. Beverage stirrer. 1,742,878; Jan. 7.
- Rosenberg, Ralph H., assignor to The Central Brass and Fixture Co., Springfield, Ohio. Bumper bar. 1,765,617; June 24.
- Rosenberger, Valentine, Philadelphia, Pa. Electric water heater. 1,759,281; May 20.
- Rosenblad, Curt, Sundsvall, Sweden. Steam-heated apparatus. 1,758,295; May 13.
- Rosenblatt, Abraham L., Brooklyn, and G. H. Webb, Glendale, N. Y. Jewelry pin, tongue, and catch. 1,763,933; June 17.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture or article of similar nature. Des. 80,491; Feb. 11.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture or article of similar nature. Des. 80,492; Feb. 11.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture or article of similar nature. Des. 80,493; Feb. 11.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture or article of similar nature. Des. 80,494; Feb. 11.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture. Des. 80,638; Mar. 4.
- Rosenblatt, Isidor, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 80,639; Mar. 4.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture or article of similar nature. Des. 80,911; Apr. 8.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture or article of similar nature. Des. 80,912; Apr. 8.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture or article of similar nature. Des. 80,913; Apr. 8.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture or article of similar nature. Des. 81,024; Apr. 22.
- Rosenblatt, Isidor, New York, N. Y. Lighting fixture or article of similar nature. Des. 81,889; Aug. 26.
- Rosenblatt, Isidor, New York, N. Y. Lighting fixture or article of similar nature. Des. 81,890; Aug. 26.
- Rosenblatt, Isidor, New York, N. Y. Lighting fixture or article of similar nature. Des. 81,891; Aug. 26.
- Rosenblatt, Isidor, New York, N. Y. Lighting fixture or article of similar nature. Des. 81,892; Aug. 26.
- Rosenblatt, Isidor, New York, N. Y. Lighting fixture or article of similar nature. Des. 82,852; Dec. 16.
- Rosenblatt, Isidor, assignor to Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Lighting fixture. 1,752,654; Apr. 1.
- Rosenblatt, Louis C., New York, N. Y. Rear yoke for dresses. 1,758,852; May 13.
- Rosenblatt, Maurice C., Philadelphia, Pa. Acoustic treatment. 1,751,249; Mar. 18.
- Rosenblatt, Maurice C., Philadelphia, Pa. Threshold closure. 1,772,594; Aug. 12.
- Rosenblum, Gregory, Belleville, N. J. Making stereotype matrices. 1,776,197; Sept. 16.
- Rosenblum, Samuel, New York, N. Y. Picture hanger. 1,757,739; May 6.
- Rosencrantz, Fay H., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Apparatus for feeding pulverized fuel to furnaces. 1,772,290; Aug. 5.
- Rosendahl, Nils M., Waterloo, Iowa, assignor to Construction Machinery Company. Concrete distributor. 1,749,230; Mar. 4.
- Rosener, Leland S., San Francisco, Calif. Wall cabinet. 1,772,877; Aug. 12.
- Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Apparatus for handling sheets. 1,743,397; Jan. 14.
- Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Apparatus for handling sheets. 1,743,398; Jan. 14.
- Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Machine for cutting forms. 1,747,182; Feb. 18.
- Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Printing-press attachment. 1,748,427; Feb. 25.
- Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Festooning apparatus. 1,762,243; June 10.
- Rosenfeld, Edward L., Cleveland Heights, assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Bag holding and filling device. 1,765,346; June 17.
- Rosenfeld, Louis, Baltimore, Md., assignor to Cherry-Burrell Corporation, Chicago, Ill. Milk cooler. 1,783,100; Nov. 25.
- Rosenfield, Edward M., New York, N. Y. Bushing-clamp-connecting device. 1,760,663; May 27.
- Rosenfield, Edward M., New York, N. Y. Electrically-operated sign. 1,760,664; May 27.
- Rosenfield, Edward M., New York, N. Y. Control for electric advertising signs. 1,782,883; Nov. 25.
- Rosenfield, Jonas A., Dallas, Tex. Combined lunch and soft-drink stand. Des. 81,551; July 8.
- Rosenfield, Joseph L., Alameda, Calif. Nut-meat product and producing same. 1,756,702; Apr. 29.
- Rosenfield, Joseph L., Alameda, Calif. Apparatus for preparing granular or the like materials. 1,773,202; Aug. 19.
- Rosengarten, William, Chicago, Ill. Display rack. 1,744,578; Jan. 21.
- Rosenhahn, Leopold A., Los Angeles, Calif. Carbon feed for arc lamps. 1,758,979; May 20.
- Rosenheim Co. Inc. (See Jones, Percival W., assignor.)
- Rosenhoch, Samuel, Bremen, Germany. Process and device for ozonizing tobacco. 1,757,477; May 6.
- Rosenmiller, Joseph L., assignor to York Ice Machinery Corporation, York, Pa. Insulated structural unit. 1,760,211; May 27.
- Rosenow, Edward C., Rochester, Minn. Apparatus for humidifying and sterilizing air. 1,745,838; Feb. 4.
- Rosenthal, Ambrose H., Brooklyn, N. Y. Collapsible container. 1,763,724; June 17.
- Rosenthal, Andrew, New York, N. Y. Cam faucet. 1,775,499; Sept. 9.
- Rosenthal, Arthur, Grand Rapids, Mich. Label printing, feeding, and cutting machine. 1,786,867; Dec. 30.
- Rosenthal China Corporation, The. (See Wesp, George, assignor.)
- Rosenthal, Hans, Berlin, Germany, assignor to General Electric Company. Ventilating arrangement for dynamo-electric machines. 1,751,424; Mar. 18.
- Rosenthal, Hans, Berlin, assignor to Julius Pintsch Aktiengesellschaft, Berlin, Germany. Gas meter. 1,770,432; July 15.
- Rosenthal, Harry A., Oakland, Calif. Making nestable receptacles. 1,746,869; Feb. 11.
- Rosenthal, Henry S. (See Unker, I., and Rosenthal.)
- Rosenthal, Leo, Vohwinkel, and W. Kropp, Elberfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Compound from indene and phenols. 1,754,052; Apr. 8.
- Rosenthal, Max G., Chicago, Ill. Rotary pump and the like. 1,776,452; Sept. 23.
- Rosenthal, Rudolf, executor. (See Homolka, Benno.)
- Rosenthal, Samuel J. (See Gilson, Bert D., assignor.)
- Rosenthal, Samuel J., Brooklyn, N. Y. Tassel-making art. 1,780,602; Nov. 4.
- Rosentreter, Albert J., Boonton, N. J., assignor of one-half to F. E. Hutchins, New York, N. Y., and one-half to E. Zabriskie, Maplewood, N. J. Elevator-door mechanism. 1,751,058; Mar. 18.
- Rosentreter, Meyer, University City, and J. Huber, St. Louis, assignors to J. Rubin, St. Louis, Mo. Awning-operating mechanism. 1,771,063; July 22.
- Rosenzweig, Fred M., Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train control system. 1,773,154; Aug. 19.
- Roser, Edmund, Bochum, Germany. Apparatus for gasifying and distilling solid fuel. 1,765,702; June 24.
- Rosett, Joshua, New York, N. Y. Air compressor. 1,751,843; Mar. 25.
- Rosevear, William B., Toledo, Ohio. Propagating sugar beets. 1,758,128; May 13.
- Rosin, Edwin A., and K. Kupferschmid, assignors to Libbey-Owens Glass Company, Toledo, Ohio. Bumper means. 1,761,747; June 3.
- Rosine, Conrad, Chicago, Ill. Combined cigarette dispenser and match-box holder. Des. 81,851; Aug. 19.
- Rosinia, William G., Chicago, Ill. Gas meter. 1,773,602; Aug. 19.

- Rosman, Aron, Brooklyn, N. Y. Vehicle body. 1,784,975; Dec. 16.
- Rosner, Adolph. (See Schwarzmunn, W. E., and Rosner.)
- Rosner, Max, New York, N. Y. Ash-can cover. 1,757,740; May 6.
- Ross, Adam J., University Heights, Ohio. Transposition eliminator for typographical machines. 1,772,637; Aug. 12.
- Ross, Albert M., Jackson Heights, N. Y. Flux-coated electrode. 1,768,998; July 1.
- Ross, Albert S., Dallas, Tex. Slug ejector. 1,749,986; Mar. 11.
- Ross, Albert S., Dallas, Tex. Slug ejector. 1,764,985; June 17.
- Ross, Albert S., Dallas, Tex. Money changer. 1,782,666; Nov. 25.
- Ross, Charles, Sands, assignor, by mesne assignments of one-half to G. E. Koski, Gwin, Mich. Saw-tooth gauge. 1,770,324; July 8.
- Ross, Charles J., Oakland, Calif. Safe for discarded razor blades. Des. 81810; Aug. 12.
- Ross, Clyde P., Chicago, Ill. Material-handling plant. 1,746,743; Feb. 11.
- Ross, Clyde P., Chicago, Ill. Hoist. 1,755,840; Apr. 22.
- Ross, Clyde P., Kenilworth, Ill. Cinder plant. 1,775,970; Sept. 16.
- Ross, David E., assignor to Ross Gear & Tool Company, La Fayette, Ind. Steering-gear control-lever assembly. 1,756,994; May 6.
- Ross, David E., assignor to Ross Gear & Tool Company, La Fayette, Ind. Steering gear. 1,767,188; June 24.
- Ross, David N., assignor to David N. Ross, Incorporated, Indianapolis, Ind. Securing name plates. 1,763,674; June 17.
- Ross, David N., Incorporated. (See Ross, David N., assignor.)
- Ross, Don H., assignor to Kalamazoo Vegetable Parchment Company, Kalamazoo, Mich. Box. Des. 81,941; Sept. 2.
- Ross, Donald W. (See Lambie, J. M., and Ross.)
- Ross, Edgar S., Pittsburgh, Pa., assignor to The Philip Carey Manufacturing Company. Mineral fibrous material and process of manufacture. 1,776,740; Sept. 23.
- Ross, Edward A., Chicago, Ill. Making laminated fabric. 1,753,806; Apr. 8.
- Ross, Elliott P., Freeport, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Navigational computing instrument. 1,743,239; Jan. 14.
- Ross, Frederick N., Detroit, assignor, by mesne assignments, to Peoples Clamp Corporation, Wyandotte, Mich. Machine for manufacturing hose clamps. 1,761,455; June 3.
- Ross Gear & Tool Company. (See Chandler, Franklin F., assignor.)
- Ross Gear & Tool Company. (See Ross, David E., assignor.)
- Ross, Hedley V., Calgary, Alberta, Canada. Tie support. 1,748,310; Feb. 25.
- Ross, Herbert O., St. Louis, Mo. Index or record. 1,746,286; Feb. 11.
- Ross, Hilbert, Oakland, Calif. Doll. Des. 80,742; Mar. 18.
- Ross, Hugh G., Wilkensburg, Pa. Football-game-indicating advertising novelty. 1,760,608; May 27.
- Ross, Hugh J., Cliffwood, N. J. Airship. 1,753,068; Apr. 1.
- Ross, Hugh M., Woodhaven, assignor to Adralnce Machine Works, Inc., Brooklyn, N. Y. Liquid dispenser. 1,743,485; Jan. 14.
- Ross, J. J., Mill Furnishing Company, The. (See Ross, James J., assignor.)
- Ross, James C., Seattle, Wash. Duplex faucet. 1,742,669; Jan. 7.
- Ross, James J., assignor to The J. J. Ross Mill Furnishing Company, Portland, Oreg. Grinding rolls for flour mills. 1,743,623; Jan. 14.
- Ross, John G., Brooklyn, assignor to Bayfield Sales and Equipment Co., Inc., New York, N. Y. Machine for producing relief printing. 1,772,844; Aug. 12.
- Ross, John S., et al. (See Wells, Don W., assignor.)
- Ross, Joseph C., Memphis, Tex. Combination shoe and hosiery stand. 1,752,699; Apr. 1.
- Ross, Julius, et al. (See Linn, F. F., and Negles, assignors.)
- Ross, Justus J., Huntington, W. Va. Reenforced mine tie. 1,753,534; Apr. 8.
- Ross, Justus J., Huntington, W. Va. Metallic tie and alignment lug therefor. 1,759,135; May 20.
- Ross, Justus J., Huntington, W. Va. Extension-rail clip. 1,759,136; May 20.
- Ross, Justus J., Huntington, W. Va. Mint-tie clip. 1,771,819; July 29.
- Ross, Laura, Los Angeles, Calif. Corset accessory. 1,749,510; Mar. 4.
- Ross, M. Frank. (See Turner, J. F., Matthews, and Ross.)
- Ross, Martin, assignor of one-half to R. Ross, Evansville, Ind. Paper clip. 1,783,484; Dec. 2.
- Ross, Oscar A., New York, N. Y. Carburation system and system of control therefor. 1,744,082; Jan. 21.
- Ross, Oscar A., New York, N. Y. Sewage control for moving vehicles. 1,749,356; Mar. 4.
- Ross, Oscar A., New York, N. Y. Seal. 1,759,917; May 27.
- Ross, Oscar A., New York, N. Y. Focus and finding apparatus for motion-picture cameras. 1,777,419; Oct. 7.
- Ross, Oscar A., New York, N. Y. Synchronized machine gun. 1,782,148; Nov. 18.
- Ross, Oscar A., New York, assignor to General Railway Signal Company, Rochester, N. Y. Check light signal. 1,785,704; Dec. 16.
- Ross, Percy C., Columbus, Ind. Picture frame. Des. 81,259; May 27.
- Ross, Robert B., jr., and W. D. Staveley, Montreal, Quebec, Canada. Driving mechanism for power-driven vehicles. 1,746,870; Feb. 11.
- Ross, Ruby. (See Ross, Martin, assignor.)
- Ross, Samuel, North Bergen, N. J. Jar. Des. 81,207; May 20.
- Ross, Samuel E. (See Scott, B. H., and Ross.)
- Ross, Taylor W., assignor to Thomas Graham & Co., Inc., Madison, Ind. Porch swing. 1,773,752; Aug. 26.
- Ross, Thomas E., Stillwater, Minn., assignor to the State of Minnesota. Haying machine. 1,746,968; Feb. 11.
- Ross, Thomas W., Manchester, England, assignor to Westinghouse Electric & Manufacturing Company. Electrical protective system. 1,745,867; Feb. 4.
- Ross, Thomas W., Manchester, England, assignor to Westinghouse Electric & Manufacturing Company. Electric relay. 1,763,258; June 10.
- Ross, Vaughn H., Vancouver, British Columbia, Canada. Shingle-bundle wire-binding device. 1,771,317; July 22.
- Ross, William L., Jersey City, N. J. Steel framework construction. 1,775,572; Sept. 9.
- Rossel, Schwarz & Co., A. G. (See Berger, Hans, assignor.)
- Rossi, Amador, Eureka, Calif. Making edible containers. 1,777,896; Oct. 7.
- Rossi, Carl C., Erie, Pa. Bracket. 1,745,058; Jan. 28.
- Rossi, Egidio, Albany, N. Y. Theftproof license-plate bracket. 1,754,804; Apr. 15.
- Rossiter, Wayne F., San Francisco, Calif. Adjustable furniture. 1,758,980; May 20.
- Roskopf, Thomas, Annastraat Nijmegen, Netherlands, assignor to Electric Arc Cutting and Welding Company, Newark, N. J. Transforming polyphase alternating current into single-phase alternating current. 1,769,073; July 1.
- Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Bus and switch station. 1,753,219; Apr. 8.
- Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Station construction. 1,787,053; Dec. 30.
- Rossman Patents, Incorporated. (See Rossman, Allen M., assignor.)
- Rossman, Peter. (See Porstner, A., and Rossman.)
- Rössner, Heinrich, A. Steindorff, and K. Pfaff, assignors to Farbwerke Vorm. Meister Lucius and Bruning, Höchst-on-the-Main, Germany. Dressing seed. 1,783,200; Dec. 2.
- Rosso, George W., Los Angeles, Calif. Transplanting machine. 1,750,054; Mar. 11.
- Rosson, John W., Morgan City, La. Moss feeder and cleaner. 1,752,576; Apr. 1.
- Röst-Grande, Alexander. (See Hubert, E., Röst-Grande, and Correns.)
- Rostiser, Eben L., South Bend, Ind. Key for collapsible folding tubes. 1,770,946; July 22.
- Rostron, Joseph A., Cambridge, Mass. Lead-in for radio receiving apparatus. 1,743,486; Jan. 14.
- Rotary Carton Machine Company. (See Adsit, Frank W., assignor.)
- Rotary Machine Company. (See Christiansen, Christian, assignor.)
- Rotary Machine Company. (See Ridderstrom, Andrew R., assignor.)
- Rotary Printing Company, The. (See Willard, Louis J., assignor.)
- Rotary Utility Corporation. (See McGerry, J. J., and Whiting, assignors.)
- Rotawasher Corporation, The. (See Wagner, Ernest E., assignor.)
- Rotberg, Henry B., New York, N. Y. Clasp. 1,778,168; Oct. 14.
- Rotella, Louis, Montreal, Quebec, Canada. Gasoline filter. 1,772,366; Aug. 5.
- Roterkleen Manufacturing Company. (See Day, Howard D., assignor.)
- Rotex Engineering Company. (See Jones, W. N., and Humphreys, assignors.)
- Rotex Valve Company. (See Schmalz, Charles H., assignor.)
- Roth, Arnold. (See Stoecklin, J., and Roth.)
- Roth Bros. & Co. (See Williams, Ralph T., assignor.)
- Roth, Charles H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Windshield for vehicle wheels. 1,743,074; Jan. 7.
- Roth, Clarence H. (See Ness, H. J., and Roth.)
- Roth, Ernst, Lautawerk, Germany. Disintegrating machine. 1,748,679; Feb. 25.
- Roth, G. A., Manufacturing Company. (See Cleland, Melvin L., assignor.)
- Roth, Henry, Two Rivers, Wis. Buoy. 1,768,003; June 24.
- Roth, Henry, Irvington, N. J., assignor, by mesne assignments, to Continental Optical Manufacturing Company, Indianapolis, Ind. Ophthalmic mounting. 1,748,245; Feb. 25.

- Roth, Hugo, Brunswick, Germany, assignor to "Miag" Mühlenbau und Industrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Automatic bag-weighing machine. 1,777,227; Sept. 30.
- Roth, Martin, Hollywood, Calif. Rail connection. 1,772,159; Aug. 5.
- Roth, Otto, Berlin-Lichterfelde, Germany. Razor blade. 1,744,803; Jan. 28.
- Roth, Robert G., Minneapolis, Minn. Hand-rake-cleaning attachment. 1,781,734; Nov. 18.
- Roth, Stanley A., and G. F. Tonner, Tallicum, Wash. Power-operated miter saw. 1,758,623; May 13.
- Rothausser, Harry, Lewistown, Pa. Oil-change indicator. 1,777,897; Oct. 7.
- Rothe, Fritz, Aachen, and H. Brenek, Porz, near Cologne, assignors to Rhenania Verein Chemisches Fabriken A. G., Cologne, Germany. Transforming the barium and strontium sulphates. 1,772,269; Aug. 5.
- Rothelius, Ernst J. A., Appelviken, Stockholm, Sweden. Mechanical classifier. 1,777,182; Sept. 30.
- Rothén, Edward M., assignor to Russell & Stoll Company, New York, N. Y. Quick-break switch. 1,753,317; Apr. 8.
- Rothenberg, Harry, West Norwood, N. J., and S. L. Henken, Bronx, assignors to H. Hyman, Brooklyn, N. Y. Dry-cell-battery sealing composition. 1,752,351; Apr. 1.
- Rothénberger, Daniel M., Leesport, assignor to D. W. Dormer, Reading, Pa. Mausoleum. 1,773,862; Aug. 26.
- Rothénberger, Daniel M., Leesport, assignor to D. W. Dormer, Reading, Pa. Mausoleum. 1,773,863; Aug. 26.
- Rothénberger, Daniel M., Leesport, assignor to D. W. Dormer, Reading, Pa. Mausoleum. 1,773,864; Aug. 26.
- Rothénberger, Daniel M., Leesport, assignor to D. W. Dormer, Reading, Pa. Sanitary burial-crypt vent. 1,773,865; Aug. 26.
- Rotherman Bryan, London, England. Combined seat cushion, foot muff, and carrier or receptacle. 1,776,983; Sept. 30.
- Rothermel, Jacob, San Luis Obispo, Calif. Dirigible head-light structure. 1,777,629; Oct. 7.
- Rothermel, Samuel W., Lynbrook, N. Y., and E. W. Hewitt, Stamford, Conn., assignors to The Western Union Telegraph Company, New York, N. Y. Speed-adjusting device for motor governors. 1,750,361; Mar. 11.
- Rothermel, William E., Chicago, Ill. Fuel-saving device. 1,751,175; Mar. 18.
- Rothermund, Werner F., Keyport, N. J. Engine starter. 1,764,893; June 17.
- Rothmann, Albert. (See Werner, R., and Rothmann.)
- Rothmann, Gerhard, Herne, Germany. Working piston for high-speed reciprocating compressors. 1,764,526; June 17.
- Rothmüller, S., A. G. (See Bandhauer, F., assignor.)
- Rothschild, Heinrich, Nienburg-on-the-Weser, Germany. Running horse. 1,773,062; Aug. 12.
- Rothstein, Morris, et al. (See Wallach, Leon, assignor.)
- Rothstein, William, et al. (See Wallach, Leon, assignor.)
- Rotor Air Tool Company, The. (See Burrell, E. P., and Hunt, assignors.)
- Rotor Air Tool Company, The. (See Cook, Hal L., assignor.)
- Rotor, Air Tool Company, The. (See Van Hamersveld, John J. N., assignor.)
- Rotospray Manufacturing Co. (See Luense, Frederick H., assignor.)
- Rottmund, Fred G., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Printing block for producing marbled effects in printed floor coverings. 1,773,063; Aug. 12.
- Rouanet, Louis, assignor to Compagnie D'Applications Mecaniques, Ivry-Port, France. Brake-operating device for motor vehicles. 1,750,904; Mar. 18.
- Rouanet, Louis, assignor to Compagnie D'Applications Mecaniques, Ivry-Port, France. Mounting single and double row ball bearings. 1,762,891; June 10.
- Rouanet, Louis, assignor to Compagnie D'Applications Mecaniques, Ivry-Port, France. Brake-operating device for motor vehicles. 1,766,309; June 24.
- Rouanet, Louis, assignor to Compagnie D'Applications Mecaniques, Ivry-Port, France. Brake-operating device for steering wheels. 1,766,359; June 24.
- Roudié, Pierre P., Paris, France. Implement for measuring the hardness of metals. 1,762,639; June 10.
- Rouillard, René, Detroit, Mich. Heated spark-plug holder. 1,784,541; Dec. 9.
- Rouiller, Albert, Paris, France. Winding and unwinding device for the handling of very long films. 1,774,847; Sept. 2.
- Rouis, Paul A. A., Burlingham, N. Y. Egg-protecting means. 1,749,675; Mar. 4.
- Roumazeilles, Maurice J. P. (See Girard, A. E. P., and Roumazeilles.)
- Round, Albert W., assignor to The Turner & Seymour Manufacturing Co., Torrington, Conn. Egg beater or the like. 1,755,132; Apr. 15.
- Round, Henry J., Muswell Hill, London, England, assignor to The Radio Corporation of America, New York, N. Y. Thermionic receiving device for wireless telegraphy and telephony. 1,759,593; May 20.
- Round, Henry J., Westfield, Muswell Hill, London, England, assignor to Radio Corporation of America. Picture telegraphy. 1,759,594; May 20.
- Round, Henry J., London, England, assignor to Radio Corporation of America. Microphone. 1,765,449; June 24.
- Round, Henry J., London, and N. M. Rust, Chelmsford, England, assignors to Radio Corporation of America. Radioreceiver. 1,746,796; Feb. 11.
- Rountree, David H. (See Cooper, O., and Rountree.)
- Rouse, Chester W., Hopkinton, Iowa. Apparatus for washing and drying utensils. 1,763,904; June 17.
- Rouse, Elmer R., Rolfe, Iowa. Adjustable belt pulley. 1,764,855; June 17.
- Rouse, H. B., and Company. (See Stuckeman, William F., assignor.)
- Rouse, John E. (See Cooke, T. S., and Rouse.)
- Rouse, John H., et al. (See Rouse, John H., assignor.)
- Rouse, John H., assignor to J. H. Rouse and W. F. Kahn, a copartnership doing business as R-M Mfg. Co., San Francisco, Calif. Electrical measuring instrument. 1,772,760; Aug. 12.
- Rousseau, Ernest J., et al. (See Rousseau, Leo J., assignor.)
- Rousseau, Joseph E., assignor of one-half to A. C. Murphy, Haverhill, Mass. Rotary cutter. 1,763,370; June 10.
- Rousseau, Lacasse, Montmagny, Quebec, Canada. Article-packing strip. 1,781,476; Nov. 11.
- Rousseau, Leo J., et al. (See Rousseau, Leo J., assignor.)
- Rousseau, Leo J., assignor of one-third to L. J. Rousseau, one-third to E. J. Rousseau, and one-third to R. J. Rousseau, Detroit, Mich. Toy seesaw. Des. 81,350; June 10.
- Rousseau, Ranol J., et al. (See Rousseau, Leo J., assignor.)
- Rousseau, Stanislas, Alton, assignor to Western Cartridge Company, East Alton, Ill. Process and apparatus for making bullets. 1,783,261; Dec. 2.
- Rousseaux, Henri. (See Blaudeau, J. B., Limousin, Rousseaux, and Dumont.)
- Roussey, John L., Rome City, Ind. Animal poke. 1,773,792; Aug. 26.
- Routledge, Simpson J., Ensley, Ala. Friction wire-block clutch mechanism. 1,748,796; Feb. 25.
- Roux, Joseph S., Manchester, N. H. Mop handle. 1,755,363; Apr. 22.
- Rover, Walter H., assignor to Gardner-Denver Company, Denver, Colo. Chuck structure. 1,760,565; May 27.
- Rovere, Lewis H. (See Mott, E. V., Rovere, and Rowland.)
- Rowan Controller Company. (See Rowan, J. S., assignor, and Fox.)
- Rowan, Edward. (See Craig, John M., assignor.)
- Rowan, John S., Baltimore, Md., and G. Fox, Chicago, Ill.; said Rowan assignor to Rowan Controller Company, Baltimore, Md., and said Fox assignor to Freyn Engineering Company, Chicago, Ill. Stock indicator. 1,760,609; May 27.
- Rowan, Thomas, Brooklyn, assignor to Structural Gypsum Corporation, New York, N. Y. Building construction. Re17,913; Dec. 30.
- Rowan, Walter R. C., Pittsburgh, Pa. Tab. 1,767,555; June 24.
- Rowe, Alvin V., Galesburg, Ill. Animal-feeding device. 1,746,558; Feb. 11.
- Rowe, Alvin V., Galesburg, Ill. Animal-feeding device. 1,750,025; Mar. 11.
- Rowe, Alvin V., Galesburg, Ill. Hog house. 1,750,026; Mar. 11.
- Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Lawn mower. 1,775,500; Sept. 9.
- Rowe, Andrew R., Midland, Pa. Hot top. 1,761,494; June 3.
- Rowe, Clell E. (See Knight, L. A., and Rowe.)
- Rowe, Edgar E., Chicago, Ill., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping shoe uppers. 1,763,822; June 17.
- Rowe, Fred H. (See Chandler, Daniel L., assignor.)
- Rowe, Fred H., Gloucester, assignor of one-half to E. Wilcock, Boston, Mass. Guard for automobile windshields. 1,775,256; Sept. 9.
- Rowe Manufacturing Company. (See Rowe, Alvin V., assignor.)
- Rowe Manufacturing Company. (See Wilson, Douglas A., assignor.)
- Rowe, T. B., and Company. (See Charlton, Arthur H., assignor.)
- Rowe, William H., Los Angeles, Calif. Vending-machine cabinet. 1,754,527; Apr. 15.
- Rowe, William H., Los Angeles, Calif. Coin-controlled mechanism. 1,756,388; Apr. 29.
- Rowe, William W., assignor to The Paper Service Company, Cincinnati, Ohio. Crinkling and reinforcing paper. Re17,633; Apr. 1.
- Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Cover for annular objects. 1,755,133; Apr. 15.
- Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Creping process. 1,782,767; Nov. 25.
- Rowell, I. B. Co. (See Meyer, Henry J., assignor.)
- Rowell, Sydney W., and H. S. Hirst, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, London, England. Oxidizing acetaldehyde to acetic acid. 1,778,511; Oct. 14.
- Rowland, Ben W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Manufacturing rubber articles. 1,757,928; May 6.
- Rowland, Charles L., assignor to American Welding Company, Carbondale, Pa. Welding machine. 1,763,867; June 17.

- Rowland, Davidge H. (See Mott, E. V., Rovere, and Rowland.)
- Rowland, Davidge H., assignor to Locke Insulator Corporation, Baltimore, Md. Glass insulator and making same. 1,780,246; Nov. 4.
- Rowland, Davidge H., assignor to Locke Insulator Corporation, Baltimore, Md. Manufacture of insulators. 1,784,392; Dec. 9.
- Rowland, Florence W., Altadena, Calif. Infant's harness. 1,779,337; Oct. 21.
- Rowland, Harold W., Grand Island, Nebr. Rake. 1,772,113; Aug. 5.
- Rowland, Herbert R., East Orange, N. J., assignor to C & C Developing Company, Kansas City, Mo. Manufacturing useful products from hydrocarbons. 1,779,402; Oct. 21.
- Rowland, John. (See Tarone, P., and Rowland.)
- Rowland, Leonard. (See Brooke-Hunt, G. L., and Rowland.)
- Rowland, Louis D., Seattle, Wash. Safety blow-off for boilers. 1,783,368; Dec. 2.
- Rowland, Walter B. (See Hunt, W. F., Mabbs, and Rowland.)
- Rowland, William R. (See Maunula, O. A., and Rowland.)
- Rowledge, Arthur J. (See Royce, F. H., Rowledge, and Rowledge, Arthur J., assignor to Rolls-Royce Limited, Derby, England. Change-speed gear. 1,749,264; Mar. 4. Elliott.)
- Rowley, Andrew W., Richfield, Utah. Food trough. 1,774,947; Sept. 2.
- Rowley, Archie, Havre, Mont. Weeder. 1,756,495; Apr. 29.
- Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Fusible link. 1,765,243; June 17.
- Rowley, Charles D., London, and W. Jackson, Brighton, assignors to The Autokal Syndicate Limited, London, W. I., England. Calculating machine. 1,753,093; Apr. 1.
- Rowley, Clifford A., Chicago, Ill., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Cutting apparatus for sheet glass. 1,755,365; Apr. 22.
- Rowley, Clifford A., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Drawing sheet glass. 1,761,234; June 3.
- Rowley, Clifford A., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Drawing sheet glass. 1,761,235; June 3.
- Rowley, Clifford A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for cutting sheet glass. 1,785,496; Dec. 16.
- Rowley, Clifford A., Chicago, Ill., and J. A. Reece, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Drawing sheet glass. 1,785,497; Dec. 16.
- Rowley, Edward G., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,764,416; June 17.
- Rowley, Millard C., Williamsport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,742,415; Jan. 7.
- Rowntree, Bernard, Carmel Highlands, Calif. Sliding-door hanger. 1,784,910; Dec. 16.
- Rowntree, Harold, Scarsdale, assignor to National Pneumatic Company, New York, N. Y. Exhaust-pressure-control valve. 1,748,496; Feb. 25.
- Rowntree, Harold, Scarsdale, assignor to National Pneumatic Company, New York, N. Y. Pneumatic motor. 1,756,307; Apr. 29.
- Rowntree, Harold, Scarsdale, assignor to National Pneumatic Company, New York, N. Y. Compensating switch. 1,784,883; Dec. 16.
- Rowse, Frank J., Pawtucket, R. I. Coin-operated vending machine. 1,753,481; Apr. 8.
- Rowse, Frank J., Pawtucket, R. I. Coin-operated vending machine. 1,782,768; Nov. 25.
- Rowsey, Gentry L., Amarillo, Tex. Sweetening process. 1,754,649; Apr. 15.
- Roxburg, Alvina C., McPherson, Kans. Bandage. 1,758,764; May 13.
- Roy, James R., Winnipeg, Manitoba, Canada. Window. 1,760,170; May 27.
- Roy, Joseph W., assignor of fifty-one per cent to P. Delage, Detroit, Mich. Valve-seat grinder. 1,747,085; Feb. 11.
- Roy, Simon O. (See Stewart, S., Allen, and Roy.)
- Roy, Wilfrid J., assignor to Gemex Company, Newark, N. J. Clasp for foldable extension devices. 1,750,133; Mar. 11.
- Roy, Wilfred J., East Orange, assignor to Gemex Company, Newark, N. J. Bracelet chain. 1,750,786; Mar. 18.
- Roy, Wilfred J., East Orange, N. J., assignor to Gemex Company, Newark, N. J. Bracelet chain. 1,753,971; Apr. 8.
- Roy, Wilfrid J., assignor to Gemex Company, Newark, N. J. End hook. 1,775,174; Sept. 9.
- Roy, William, assignor to Lord & Burnham Company, Irvington on Hudson, N. Y. Sash position-indicating device. 1,756,912; Apr. 29.
- Royal, Charles B., Chicago, Ill. Lubricator for railway journal boxes. 1,784,542; Dec. 9.
- Royal, James M., Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for covering cores. 1,779,559; Oct. 28.
- Royal, James M., Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for covering cores. 1,779,560; Oct. 28.
- Royal Railway Improvements Corporation. (See Sauvage, William H., assignor.)
- Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,767,403; June 24.
- Royal Robes Co. (See Horowitz, Samuel, assignor.)
- Royal, Roscoe, Chicago, Ill. Recording apparatus. 1,750,863; Mar. 18.
- Royal, Thomas M., Philadelphia, Pa. Manufacturing bags. 1,770,865; July 15.
- Royal, Thomas M., Philadelphia, Pa. Making paper bags. 1,782,884; Nov. 25.
- Royal Typewriter Company. (See Degener, Gustave O., assignor.)
- Royal Typewriter Company. (See Dowd, Bernard J., assignor.)
- Royal Typewriter Company. (See Handley, George F., assignor.)
- Royal Typewriter Company. (See Myers, Lewis C., assignor.)
- Royalty Holding Corporation. Hasselbring, John, jr., assignor.)
- Royan, George, Chicago, Ill., assignor, by mesne assignments to American Machine & Foundry Company, New York, N. Y. Mixing machine. 1,767,481; June 24.
- Royce, Frederick H., Elmstead, West Wittering, near Chichester, England, assignor to Rolls-Royce Limited, Derby, England. Suspension of road vehicles. 1,743,399; Jan. 14.
- Royce, Frederick H., West Wittering, near Chichester, assignor to Rolls Royce Limited, Derby, England. Electrical turning gear for starting internal-combustion engines. 1,748,902; Feb. 25.
- Royce, Frederick H., West Wittering, near Chichester, assignor to Rolls-Royce Limited, Derby, England. Shock absorber. 1,749,609; Mar. 4.
- Royce, Frederick H., West Wittering, Chichester, assignor to Rolls Royce Limited, Derby, England. Resilient driving gear, particularly for half-speed shafts of internal-combustion engines. 1,757,337; May 6.
- Royce, Frederick H., West Wittering, near Chichester, assignor to Rolls Royce Limited, Derby, England. Electrical turning gear for starting internal-combustion engines. 1,782,318; Nov. 18.
- Royce, Frederick H., West Wittering, near Chichester, A. J. Rowledge, Ellerslie, Derby, and A. G. Elliott, West Wittering, near Chichester, England. Cylinder of internal-combustion engines. 1,782,317; Nov. 18.
- Roye, Richard T., Houston, Tex. Fluid controller. 1,757,439; May 6.
- Royer, Enos S., assignor of one-half to R. J. O'Donnell, Wilkes-Barre, Pa. Separator. 1,755,364; Apr. 22.
- Royer, Jesse R., assignor to Royer Manufacturing Company, Janesville, Iowa. Running-gear connection for road-maintaining machines. 1,743,868; Jan. 14.
- Royer Manufacturing Company. (See Royer, Jesse R., assignor.)
- Royersford Foundry and Machine Company. (See Champion, Earl M., jr., assignor.)
- Royle, Vernon. (See Devine, James W., assignor.)
- Royle, Vernon, Paterson, N. J. Panning machine. 1,745,644; Feb. 4.
- Royle, Vernon, Paterson, N. J. Head for extruding machines. 1,768,790; July 1.
- Roys, Henry E. (See Bradbury, B., and Roys.)
- Royston, Joseph R. (See Aiken, G. A., and Royston.)
- Rozelle, William M., et al. (See Laswell, Vernon E., assignor.)
- Rozieres, Jean A. L., assignor of one-half to Societe Francaise de Centrifugation, Paris, France. Apparatus for recovering fats from emulsions containing solid particles. 1,782,974; Nov. 25.
- Rozman, Armin, Poughkeepsie, N. Y. Calculating machine. 1,742,824; Jan. 7.
- Rtcheuloff, Boris, London, England. Television and telephotography. 1,745,029; Jan. 28.
- Rtcheuloff, Boris, London, England. Recording and reproducing pictures, images, and the like. 1,771,820; July 29.
- Ruatti, Joseph B., assignor of one-half to B. Tornavacca, Los Angeles, Calif. Ditch digger. 1,769,074; July 1.
- Ruau, Felix F., Deptford, London, England. Cigarette-making machinery. 1,782,180; Nov. 18.
- Rubber Latex Research Corporation. (See Wescott, William B., assignor.)
- Rubber Service Laboratories Company, The. (See Merkle, Harry A., assignor.)
- Rubber Service Laboratories Co., The. (See North, Clayton O., assignor.)
- Rubber Service Laboratories Co., The. (See Scott, Winfield, assignor.)
- Rubber Service Laboratories Company, The. (See Scott, W., and ter Horst, assignors.)
- Rubber Service Laboratories Company. (See Ter Horst, William P., assignor.)
- Rubber Service Laboratories Company, The. (See Vignos, James C., assignor.)
- Rubber Shock Insulator Corporation, The. (See Edson, William R., assignor.)
- Rubber Shock Insulator Corporation, The. (See Lipcot, Fred L., assignor.)
- Rubber Shock Insulator Corporation, The. (See Masury, Alfred F., assignor.)

- Rubber Shock Insulator Corporation, The. (See Masury, A. F., and Leipert, assignors.)
- Rubber Shock Insulator Corporation, The. (See Riker, Andrew L., Jr., assignor.)
- Rubel, Chester D., et al. (See Welsh, Ralph B., assignor.)
- Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Folder mounting for sewing machines. 1,756,956; May 6.
- Rubel, James L., assignor to Apex Stamping Company, Chicago, Ill. Toy aeroplane. Des. 80,331; Jan. 14.
- Rubel, James L., Chicago, assignor to Apex Stamping Company, Riverside, Ill. Hand plane. 1,745,558; Feb. 4.
- Ruben Patents Company. (See Ruben, Samuel, assignor.)
- Ruben Rectifier Corporation. (See Ruben, Samuel, assignor.)
- Ruben, Samuel, New York, N. Y. Phonograph pick-up. 1,757,547; May 6.
- Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Ionic discharge device. 1,747,648; Feb. 18.
- Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Making a resistance element. 1,747,649; Feb. 18.
- Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Microphone. 1,748,620; Feb. 25.
- Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Electric condenser. 1,774,455; Aug. 26.
- Ruben, Samuel, New York, N. Y., assignor to Ruben Rectifier Corporation, Englewood, N. J. Asymmetric electric couple. 1,751,359; Mar. 18.
- Ruben, Samuel, New York, N. Y., assignor to Ruben Rectifier Corporation, Englewood, N. J. Electric-current rectifier. 1,751,360; Mar. 18.
- Ruben, Samuel, New York, N. Y., assignor to Ruben Rectifier Corporation, Englewood, N. J. Electric-current rectifier. 1,751,361; Mar. 18.
- Ruben, Samuel, New York, N. Y., assignor to Ruben Rectifier Corporation, Englewood, N. J. Electric-current rectifier. 1,751,362; Mar. 18.
- Ruben, Samuel, New York, N. Y., assignor to Ruben Rectifier Corporation, Englewood, N. J. Electric-current rectifier. 1,751,363; Mar. 18.
- Ruben, Samuel, Brooklyn, N. Y., assignor to Ruben Rectifier Corporation, Englewood, N. J. Asymmetric electric couple. 1,751,460; Mar. 18.
- Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Sound-emitting device. 1,751,888; Mar. 25.
- Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Method and apparatus of telephonic communication. 1,752,811; Apr. 1.
- Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Electrical condenser. 1,781,033; Nov. 11.
- Ruben, Samuel, assignor, by mesne assignments, to Ruben Tube Company, New York, N. Y. Vacuum-tube apparatus. 1,755,272; Apr. 22.
- Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Electron-tube apparatus. 1,755,796; Apr. 22.
- Ruben, Samuel, New York, N. Y., assignor, by mesne assignments, to Ruben Rectifier Corporation of Delaware. Electric-current rectifier. 1,779,188; Oct. 21.
- Ruben Tube Company. (See Ruben, Samuel, assignor.)
- Rubens, Ben, assignor of one-fifth to A. Brick, Los Angeles, Calif., one-eighth to W. Hallner, one-eighth to I. Pritsker, one-eighth to S. Kagan, one-eighth to N. L. Cohen, and one-fortieth to S. Horowitz, Los Angeles, Calif. Treating leather. 1,744,506; Jan. 21.
- Rubenstein, Gustave D., Brooklyn, assignor to Indestructible Pearl Bead Makers, Inc., New York, N. Y. Ash tray. 1,764,692; June 17.
- Rubenstein, Harry, Brooklyn, N. Y. Knitted fabric. 1,755,968; Apr. 22.
- Ruberoid Co., The. (See Winch, Harry E., assignor.)
- Rubin, Ernest, Atlanta, Ga. Aircraft. 1,787,325; Dec. 30.
- Rubin, Hyman, Roxbury, Mass. Store-front construction. 1,759,818; May 20.
- Rubin, Jacob. (See Rosentreter, M., and Huber, assignors.)
- Rubin, Milton H., New York, N. Y. Shuttle. 1,771,947; July 22.
- Rubins, Kate, New York, N. Y. Receptacle for deodorant or incense. Des. 81,664; July 22.
- Rubinstein, Wilton, St. Louis, Mo. Collar fastener. 1,762,528; June 10.
- Rubinstein, Wilton, St. Louis, Mo. Shirt. 1,771,101; July 22.
- Ruble, Roland O., Rosedale, Kans. Automobile signal switch. 1,760,212; May 27.
- Rubner, Norbert A., Milwaukee, Wis. Drip pan for toilet flush tanks. 1,785,877; Dec. 23.
- Rubsam, Charles F., Jackson, Mich. Rim tool. 1,770,015; July 8.
- Rubsamen, Charles, Richmond Hill, assignor to William Demuth & Company. Cigar lighter. 1,762,079; June 3.
- Ruby, Charles E. (See Smith, L. B., and Ruby.)
- Ruby, Charles H., St. Petersburg, Fla. Wear-compensating means for connecting rod bearings. 1,776,639; Sept. 23.
- Ruby Lamp Mfg. Co. (See Ulvad, Bernhard E., assignor.)
- Ruby, William. (See Dunn, J. W., and Ruby.)
- Rucker, George, San Francisco, Calif., assignor to Holophane Company, Inc., New York, N. Y. Luminair. 1,762,743; June 10.
- Ruckes, Michael. (See Moran, F. A., and Ruckes.)
- Ruckstuhl, Alwin, assignor to Swiss Locomotive and Machine Works, Winterthur, Switzerland. Regulating valve. 1,767,702; June 24.
- Rudd Manufacturing Company. (See Klemm, William J., assignor.)
- Rudd, Frank E., Louisville, Ky. Textile fabric. Des. 82,392; Oct. 28.
- Rudd, Frank E., Louisville, Ky. Textile fabric. Des. 82,393; Oct. 28.
- Rudd, Frank E., Louisville, Ky. Textile fabric. Des. 82,394; Oct. 28.
- Rudd, Harry B., Douglaston, N. Y. Railroad control circuits. 1,776,337; Sept. 23.
- Rudd, Harry B., Douglaston, N. Y. Method of and apparatus for utilizing phase-changeable material. 1,785,326; Dec. 16.
- Rudd, Maurice A. (See Light, G. G., Drake, Rudd, and Blanton.)
- Rudd, Seth G. (See Higgins, A. W., and Rudd.)
- Ruddell, William A., Cape May Point, N. J., assignor to Right Idea Jap-Beetle Trap Co., Norfolk, Va. Beetle trap. 1,787,421; Dec. 30.
- Rudge-Whitworth, Limited. (See Pugh, John V., assignor.)
- Ruddick, Jacob L. (See Morris, J. W., and Ruddick.)
- Ruddick, John J., West Newton, Mass., assignor to General Street Signal Corporation, Rochester, N. Y. Circuit controller. 1,752,812; Apr. 1.
- Ruddy, Martin T., Lakewood, Ohio. Dowel-pin construction. 1,749,547; Mar. 4.
- Rüdenberg, Reinhold, Berlin-Grunewald, and W. Schottky, Berlin-Charlottenburg, assignors to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Producing thin insulating layers upon wires. 1,786,920; Dec. 30.
- Rüder, Heinrich B., assignor to Lurgi-Gesellschaft für Wärmetechnik m. b. H., Frankfurt-on-the-Main, Germany. Production of adsorbents. 1,784,543; Dec. 9.
- Rudge, Clarence H., and E. A. Buchanan, Nampa, Idaho. Oil-feeding device. 1,765,618; June 24.
- Rudge-Whitworth, Limited. (See Pugh, John V., assignor.)
- Rudges, Jacob, Hollis, assignor, by mesne assignments, to Noma Electric Corporation, New York, N. Y. Decorative device. 1,765,940; June 24.
- Rudigier, Edward A., Baltimore, Md., assignor to Standard Oil Development Company. Lubricant. 1,750,134; Mar. 11.
- Rudin, Karl V., Stockholm, Sweden. Transfer mechanism. 1,777,898; Oct. 7.
- Rudlin, Frederick W., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Driving device. 1,775,917; Sept. 16.
- Rudnick, Paul. (See Hershman, Paul R., assignor.)
- Rudnick, Louis, Brooklyn, assignor to Percy L. Marks Inc., New York, N. Y. Infants' bonnet. 1,773,644; Aug. 19.
- Rudnick, Paul, et al. (See Hershman, Paul R., assignor.)
- Rudolf, Ferdinand A. (See Zieley, J. D., Rudolf, and Ryder.)
- Rudolf, Leo, and B. Zschimmer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of color lakes. 1,776,931; Sept. 30.
- Rudolph & Kühne G. m. b. H. (See Pieron, O., assignor.)
- Rudolph, Walter H. (See Cave, H., and Rudolph.)
- Rudolph, Walter J., assignor to Jas. P. Marsh & Company, Chicago, Ill. Air valve. 1,762,487; June 10.
- Rudolph, Wilhelm. (See du Bois-Reymond, A., and Rudolph.)
- Rudolph, Wilhelm G., Hanover, Germany. Rubber tread and connecting the same to shoes. 1,770,671; July 15.
- Rudy, Ulysses S. (See Anderson, R. O., Rudy, and Gessel.)
- Rudzenia, Charles F., Oakland, Calif. Cleaning fluid. 1,748,999; Mar. 4.
- Rudzinski, John T., New York, N. Y. Hip-reducing garment. 1,760,984; June 17.
- Rue, Bert C. (See Baxter, R. N., and Rue.)
- Rue, Knute, Mapleton, Minn. Quack-grass eradicator. 1,767,619; June 24.
- Rue, John D., Asheville, N. C., assignor to The Champion Fibre Company, Canton, N. C. Purification of chemical wood pulp. 1,771,064; July 22.
- Ruebel, Adam, Ithaca, N. Y. Edge trimmer. 1,753,132; Apr. 1.
- Ruef, Heinrich, Zurich, Switzerland. Mixing drum for mixing concrete, mortar, and the like. 1,770,532; July 15.
- Ruegg, Clement, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Cylinder head for internal-combustion engines. 1,750,729; Mar. 18.
- Rüegger, Eduard, Zurich, assignor to the firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Electrically-actuated refrigerating machine. 1,781,082; Nov. 11.
- Ruegger, Walter, Lugano, assignor to A. G. Prior Patentverwertungs-Gesellschaft, Glaris, Switzerland. Liquid-fuel burner. 1,754,573; Apr. 15.
- Ruemelin, Richard, St. Paul, Minn. Dust separator. 1,743,934; Jan. 14.
- Ruemelin, Richard, St. Paul, Minn. Adjustable portable folding sand-blast cabinet. 1,773,374; Aug. 19.
- Ruesenberg, Carl A., Rockford, Ill., assignor by mesne assignments to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 1,748,148; Feb. 25.

- Rueter, Hermann, assignor of one-half to D. Herl, Niagara Falls, N. Y. Railway chair. 1,773,468; Aug. 19.
- Rueth, Edward J., Cleveland, Ohio. Lighting fixture. 1,772,087; Aug. 5.
- Ruetz, George D., assignor of one-third to J. J. Heinisch, Racine, Wis. Ice-cream disher. 1,747,737; Feb. 18.
- Ruf, Christian E., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Arm attachment for indicators. 1,774,157; Aug. 26.
- Ruf, Herman P., New York, N. Y. Cord machine. 1,754,335; Apr. 15.
- Ruff, William J., Quincy, Ill. Fire-extinguishing device. 1,767,098; June 24.
- Ruffing, John, sr., Nokomis, Ill. Oil-gauge-rod wiper. 1,780,505; Nov. 4.
- Rügamer, Andreas, Pforzheim, Germany. Hygienic dental bur-cleaning apparatus. 1,781,956; Nov. 18.
- Rugen, John, New York, N. Y. Automatic gum-tape-dispensing machine. 1,767,942; June 24.
- Rugg, Frank D., Greenfield, Mass. Shovel. 1,766,691; June 24.
- Rugg, Walter S., Pittsburgh, Pa., and H. J. Murray, Brooklyn, N. Y., assignors to R. M. Company, Inc., East Pittsburgh, Pa. Bridge-controlled transmission lock. 1,743,730; Jan. 14.
- Ruggiero, Antonio L. (See Galterio, E., Mariotti, and Ruggiero.)
- Ruggiero, Guiseppe, Port Colborne, Ontario, Canada, and J. De Cesare, Roseto, Pa. Automatic gas-stove lighter. 1,756,763; Apr. 29.
- Ruggles, Horace F., Brooklyn, N. Y. Hoisting and weighing means. 1,753,753; Apr. 8.
- Ruggles-Klingemann Mfg. Co. (See Kimball, James L., assignor.)
- Ruggles, Leonard L., Wheaton, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,752,543; Apr. 1.
- Ruggles, Leonard L., Wheaton, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,776,570; Sept. 23.
- Ruggles, William A., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge device. 1,742,935; Jan. 7.
- Ruggles, William A., Schenectady, N. Y., assignor to General Electric Company. Magnesium covered calcium wire. 1,752,813; Apr. 1.
- Ruggles, William A., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge device. 1,768,421; June 24.
- Ruhe, Paul P., Woodcliff, N. J., and W. A. Senen, Bronx, N. Y. Fur-treating machine. 1,771,144; July 22.
- Ruhl, Lester R., Mifflinburg, Pa. Chisel. 1,772,616; Aug. 12.
- Rühlemann, Herbert, Sommerda, assignor to Rheinische Metallwaren- und Maschinenfabrik, Düsseldorf-Derendorf, Germany. Electric fuse for projectiles. 1,755,023; Apr. 15.
- Rühling, Waldemar, Dresden, Germany. Device for measuring average velocity for an appreciable length of time. 1,746,130; Feb. 4.
- Rührlemann, Herbert, Sommerda, assignor to Rheinische Metallwaren und Maschinenfabrik, Düsseldorf-Derendorf, Germany. Electrical projectile igniter. 1,776,796; Sept. 30.
- Ruiz, Miguel, Chicago, Ill. Dispensing device. 1,769,392; July 1.
- Rukaber, Frederick E., and C. J. Van Avery, Salem, Ore. Folding bed. 1,747,028; Feb. 11.
- Rule, John F., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Automatic temperature control for glass. 1,750,966; Mar. 18.
- Rule, John F., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Automatically controlling the temperature of molten glass. 1,750,967; Mar. 18.
- Rulfs, Edward A., New York, N. Y. Coin holder. Des. 82,586; Nov. 18.
- Rulianich, John J. O., New Kensington, Pa. Power-transmission apparatus. 1,754,528; Apr. 15.
- Rulianich, John J. O., Arnold, Pa. Power-transmission apparatus. 1,770,016; July 8.
- Rulifson, John W. (See Wilkins, Thomas M., assignor.)
- Rullman, Elmer E. (See Andres, Lloyd J., assignor.)
- Rumely, Vincent P., assignor to Hudson Motor Car Company, Detroit, Mich. Cyanide pot. 1,769,313; July 1.
- Rumer, Frank A., Portland, Ore. Elevated bath support for infants. 1,766,085; June 24.
- Rumford Chemical Works. (See Edwards, Robert S., assignor.)
- Rumford Chemical Works. (See Fiske, Augustus H., assignor.)
- Rumford, Fred, Jetmore, Kans., and H. T. Henry, New York, N. Y. Stabilizer for aeroplanes. 1,752,396; Apr. 1.
- Rumford, John B. (See Rawling, W., Marshall, and Rumford.)
- Rumidor Corporation, The. (See Weinberg, Fred, assignor.)
- Rump, Sigurd, Boston, Mass., assignor to American Brown Boveri Electric Corporation, New York, N. Y. Condenser bushing. 1,759,419; May 20.
- Rumpf, Herman and I., San Francisco, Calif. Curtain-attaching means. 1,742,561; Jan. 7.
- Rumpf, Irwin. (See Rumpf, Herman and I.)
- Rumpler, Edmund, Berlin, Germany. Motor vehicle. 1,748,903; Feb. 25.
- Rumsey, Edward C., Detroit, Mich., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Signal. 1,772,499; Aug. 12.
- Rundell, Raymond R., Miami, Fla. Self opening and closing container cap. 1,752,700; Apr. 1.
- Rundell, Raymond R., Waterville, Conn., assignor to H. Baker, Miami, Fla. Self opening and closing container cap. 1,776,395; Sept. 3.
- Runden, Albert, and C. Bruman, Portland, Ore. Device for the tightening of form tie wires. 1,744,507; Jan. 21.
- Rundlett, Carl W., Jackson Heights, assignor, by mesne assignments, to L. L. Steindler, New York, N. Y. Filtering method and apparatus. 1,742,281; Jan. 7.
- Rundqvist, Thore R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Rock-drilling mechanism. 1,761,313; June 3.
- Rundqvist, Thore R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Rock-drilling mechanism. 1,774,186; Aug. 26.
- Runge, Alfred O. A., Windsor, Ontario, Canada. Internal-combustion engine. 1,762,666; June 10.
- Runge, Arthur C., and E. C. Badger, Detroit, Mich.; said Badger assignor to said Runge. Fuel-charge moistener. 1,749,924; Mar. 11.
- Runge, Frederick C., New York, N. Y. Lighting fixture. 1,767,482; June 24.
- Runge, Robert F. (See Brunner, H. E., and Runge.)
- Runge, Walter, East Orange, N. J., assignor, by mesne assignments, to International Coal Carbonization Company. Carbonizing of coal. 1,775,323; Sept. 9.
- Runge, Walter, East Orange, N. J., and E. A. Packard, Yonkers, assignors to International Combustion Engineering Corporation, New York, N. Y. Drying and pulverizing coal. 1,775,324; Sept. 9.
- Runge, Walter, East Orange, N. J., and E. A. Packard, Yonkers, N. Y., assignors, by mesne assignments, to International Coal Carbonization Company. Processing of coal and product thereof. 1,783,982; Dec. 9.
- Runge, Walter, East Orange, N. J., assignor, by mesne assignments, to International Coal Carbonization Company. Powdered coke product. 1,783,983; Dec. 9.
- Runge, Wilhelm, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulating system for high-frequency currents. 1,775,213; Sept. 9.
- Runge, Wilhelm, Berlin, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. High-frequency signaling system. 1,778,730; Oct. 21.
- Runkel, Grant A., Lancaster, Pa. Shuttle hook. 1,747,183; Feb. 18.
- Runne, Ernst et al. (See Herz, R., Runne, and Albrecht.)
- Runne, Ernst. (See Thiess, K., Runne, Moldaenke, and Meissner.)
- Runne, Ernst. (See Wagner, H., Hoffa, Runne, Thoma, and Heyna.)
- Runne, Ernst, K. Moldaenke, and E. Fischer, Frankfurt-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Alkoxy-3-keto-dihydrothionaphthenes and making them. 1,765,703; June 24.
- Runnels, Walter S., Kalamazoo, Mich. Vending machine. 1,786,868; Dec. 30.
- Runner, Claude C., Schenectady, N. Y., assignor to General Electric Company. Variable-speed motor-control apparatus. 1,761,748; June 3.
- Runser, Margaret E., New York, N. Y. Adjustable curtain rod. 1,773,645; Aug. 19.
- Runsvold, Martin S., San Diego, Calif. Automatic heat-regulating device. 1,755,612; Apr. 22.
- Ruopp, George F., assignor to Marshalltown Manufacturing Company, Marshalltown, Iowa. Pressure gauge. 1,773,378; Aug. 19.
- Rupe, William B., Louisville, Ky. Broom. 1,764,527; June 17.
- Rupert, George C. (See Noirot, Leo F. and O. G., and Rupert.)
- Rupp, Carl A., assignor to Commercial Iron Works of Los Angeles, Los Angeles, Calif. Ink fountain for printing presses. 1,742,787; Jan. 7.
- Rupp, Carl A., assignor to Commercial Iron Works of Los Angeles, Los Angeles, Calif. Stereotype-plate-casting machine. 1,766,692; June 24.
- Rupp, Louis C. (See Schmitz, I. W., and Rupp.)
- Rupp, John L. (See Aldrich, H. H., and Rupp.)
- Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Latch. Des. 81,552; July 8.
- Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Hinge. Des. 81,758; Aug. 5.
- Ruppel, Frederick C., Grand Rapids, assignor, by mesne assignments, to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Latch handle. Des. 82,595; Nov. 18.
- Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Radiator for motor vehicles. 1,763,184; June 10.
- Ruppel, Sigwart, assignor to the firm "Elfa" Elektrotechnische Fabrik G. m. b. H., Frankfurt-on-Main, Germany. Electric switch. 1,772,291; Aug. 5.
- Ruppin, Karl. (See Lehmann, E. P., and Ruppin.)
- Rupprecht, Edgar P., Chicago, Ill., assignor to American Rolling Screen Co. Window screen. 1,775,657; Sept. 16.
- Rupprecht, Konrad. (See Weiske, P., and Rupprecht.)
- Rupprecht, Konrad, Berlin, and P. Dietze, Pankow, Germany, assignors to General Electric Company. Motor-control system. 1,785,597; Dec. 16.

- Rusatz, Andrew, assignor of one-half to J. Yurasits, Northampton, Pa. Bath cabinet. 1,750,284; Mar. 11.
- Rüsberg, Friedrich, Berlin-Niederschöneweide, assignor to Kali-Chemie, Aktiengesellschaft, Berlin, Germany. Chemical decomposition of crude potash salts. 1,774,040; Aug. 26.
- "Rusbol," Société à Responsabilité Limitée. (See Bolard, Alfred J. G., assignor.)
- Rusch, Herman C., assignor to Seaman Body Corporation, Milwaukee, Wis. Door. 1,767,703; June 24.
- Rusche, Theodorus W. A., Oosterbeek, Netherlands. Automatic heat-medium-control device. 1,749,850; Mar. 11.
- Ruscher, Harold, New York, N. Y. Ticket dispensing. 1,776,602; Sept. 23.
- Ruschke, Ewald, Luder, Hanover, Germany. Safety device for boiler feed and delivery pipings. 1,765,883; June 24.
- Ruschmeyer, William J. H., Toledo, Ohio. Building. 1,775,697; Sept. 16.
- Rusden, Ethelbert A., Nayatt, assignor to The Textile-Finishing Machinery Company, Providence, R. I. Cloth guiding and stretching device. 1,752,966; Apr. 1.
- Russell, Alexander C., New York, N. Y. Fountain shaving brush. 1,763,905; June 17.
- Rush, Albert, Columbus, Ohio. Bumper for motor vehicles. 1,774,672; Sept. 2.
- Rush, Albert, assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Door for hangars and other structures. 1,784,948; Dec. 16.
- Rush, Earl S., Erie, Pa., assignor to Doherty Research Company, New York, N. Y. Pilot-controlled demand meter. 1,745,059; Jan. 28.
- Rush, John F., Indianapolis, Ind. Flower stand. 1,769,190; July 1.
- Rush, Milton A., San Francisco, Calif. Radio leg rest. Des. 82,642; Nov. 25.
- Rush, William M., Pittsburgh, Pa. Saw set. 1,747,086; Feb. 11.
- Rushing, Clyde M., Bozeman, Mont. Fuel-tank lock cap. 1,776,704; Sept. 23.
- Rushmore, Samuel W., Plainfield, N. J. Hydraulic brake. 1,786,633; Dec. 30.
- Rushton, James L., Bolton, England. Gearing for conveying rotary motion. 1,746,871; Feb. 11.
- Ruskamp, Joseph, Dodge, Nebr. Stock waterer. 1,782,075; Nov. 18.
- Ruskin, Joseph A., Chicago, Ill. Novelty container. 1,756,135; Apr. 29.
- Ruskin, Simon L. (See Silberman, David, assignor.)
- Ruskowsky, August, assignor of one-half to G. M. North, Jr., Jackson, Mich. Stitch-removing tool. 1,747,845; Feb. 18.
- Russ, Abram B., New Orleans, La., and R. W. Hepler, Biloxi, Miss. Upper-supporting device. 1,776,198; Sept. 16.
- Russ, Emil F., Cologne, Germany. Induction furnace. 1,770,662; July 15.
- Russ, John B., Shelton, Conn. Webbing buckle for garters. 1,757,845; May 6.
- Russ Manufacturing Company, The. (See Seitz, Dean C., assignor.)
- Russ, Walter L. (See Boswell, James G., assignor.)
- Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Regulator. 1,786,402; Dec. 23.
- Russell, Arthur, Baltimore, Md., and J. F. Hegeman, New York, N. Y. Producing cellulose acetate. 1,752,853; Apr. 1.
- Russell, Arthur D., New York, N. Y. Pinning machine. 1,775,357; Sept. 9.
- Russell, Bennett, Huntington, W. Va. Attachment for percolators. 1,787,394; Dec. 30.
- Russell, Bert, assignor to General Motors Corporation, Detroit, Mich. Bumper. 1,749,112; Mar. 4.
- Russell, Bertrand M., Seattle, Wash. Automobile seat cover. 1,781,034; Nov. 11.
- Russell, Burdsall & Ward Bolt & Nut Company. (See Burdsall, Richard L., assignor.)
- Russell, Burdsall & Ward Bolt and Nut Company. (See Ward, William L., assignor.)
- Russell, Burton A., assignor of one-half to W. T. Lamoignon, White Plains, N. Y. Socket wrench. 1,748,246; Feb. 25.
- Russell, C. E. (See Mitchell, James C., assignor.)
- Russell, Charles, Westfield, assignor to Ginn and Company, Boston, Mass. Scaling and grading instrument. 1,772,638; Aug. 12.
- Russell, Charles L., Rahway, N. J., assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Cage for ball bearings. 1,783,141; Nov. 25.
- Russell, Edelbert. (See Thompson, W. W., and Russell.)
- Russell, Edgar A., Sapulpa, Okla. Sanitary toothbrush holder. Des. 81,811; Aug. 12.
- Russell, Edgar A., Sapulpa, Okla. Sanitary toothbrush holder. 1,742,936; Jan. 7.
- Russell, Edgar J., and E. W. Goodeke, St. Louis, Mo. Choker control. 1,769,191; July 1.
- Russell, Edward A. (See Gold, E. H., and Russell.)
- Russell, Edward A. (See Gold, E. H., Manchester, and Russell.)
- Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. End train-pipe valve. 1,777,580; Oct. 7.
- Russell, Edward A., and T. H. Manchester, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Hose coupler. 1,743,287; Jan. 14.
- Russell, Edward A., and T. H. Manchester, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Hose coupler. 1,743,288; Jan. 14.
- Russell, Frank H. (See Peterson, H. C., and Russell.)
- Russell, Frederick T., assignor to Savage Arms Corporation, Utica, N. Y. Automatic clutch. 1,766,227; June 24.
- Russell, George W., Stockton, Calif. Auto screen attachment. 1,762,244; June 10.
- Russell, Gordon W., Brookline, Mass., assignor to James Russell Boiler Works Co. Fire-tube steam boiler. 1,786,317; Dec. 23.
- Russell, Harlow M., Chelsea, Mass. Making box partitioning. 1,745,060; Jan. 28.
- Russell, Harvey A., Madera, Calif. Cord-severing implement. 1,754,241; Apr. 15.
- Russell, Herbert. (See Schneider, G., and Russell.)
- Russell, James, Boiler Works Co. (See Russell, Gordon W., assignor.)
- Russell, James, Boiler Works Co. (See Russell, Warren K., assignor.)
- Russell, James E., Sheridan, Wyo. Milk strainer. 1,778,689; Oct. 14.
- Russell, James M., San Diego, Calif., assignor to Russell Parachute Company, Wilmington, Del. Helmet. 1,775,409; Sept. 9.
- Russell, John B. (See Morgan, Porter S., assignor.)
- Russell, John, Cutlery Company. (See Ewing, Lawrence, assignor.)
- Russell, John D., Bay City, Mich. Steering and propelling device. 1,774,848; Sept. 2.
- Russell, John F., Kansas City, Mo. Tool holder. 1,779,189; Oct. 21.
- Russell, John J., Rochester, N. Y. Clamp. 1,784,544; Dec. 9.
- Russell, John R., Sterling, Ill. Quilting machine. 1,785,049; Dec. 16.
- Russell, Joseph F., assignor to Modern Foundry and Pattern Works, Oakland, Calif. Rinsing and drying apparatus. 1,772,056; Aug. 5.
- Russell, Joseph W. (See Bronson, E. G., and Russell.)
- Russell, Leslie A., assignor to Koehring Company, Milwaukee, Wis. Hoe-type shovel crane. 1,783,055; Nov. 25.
- Russell, Leslie A., assignor to Koehring Company, Milwaukee, Wis. Instroke shovel crane. 1,783,056; Nov. 25.
- Russell, Linus E., and G. E. Peters, Springfield, Ohio. Luggage carrier for automobiles. 1,747,458; Feb. 18.
- Russell, Lois, Brackney, Pa. Flowerpot or tub. 1,776,375; Sept. 23.
- Russell Manufacturing Company. (See Fagan, Richard C., assignor.)
- Russell Manufacturing Company. (See Fisher, William C., assignor.)
- Russell Manufacturing Company, The. (See Russell, Thomas M., assignor.)
- Russell Manufacturing Company, The. (See Sheldon, Amy, assignor.)
- Russell Manufacturing Company, The. (See Taylor, Schuyler J., assignor.)
- Russell Manufacturing Company. (See Tower, Elmer V. J., assignor.)
- Russell Manufacturing Company, The. (See Zimmerer, Frederick J., assignor.)
- Russell, Mark N., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Locking socket. 1,771,009; July 22.
- Russell, Mark N., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Switch and fixture support. 1,760,003; May 27.
- Russell, Mark N., and J. W. Brooks, Syracuse, assignors to Pass & Seymour, Incorporated, Syracuse, N. Y. Electric sign. 1,768,422; June 24.
- Russell, Nelson J., Chicago, Ill. Fuel-saving device. 1,766,191; June 24.
- Russell Parachute Company. (See Russell, James M., assignor.)
- Russell, Philip T., Mount Rainier, Md. Apparatus for measuring distances. 1,748,797; Feb. 25.
- Russell, R. K., Warren, Pa. Article support. 1,756,883; Apr. 29.
- Russell, Ronald F., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Strip-pulling device. 1,753,174; Apr. 1.
- Russell, Roy V. (See Byrum, J. R., Russell, and Meeks.)
- Russell, Samuel G., assignor to Shakespeare Company. Kalamazoo, Mich. Fishing reel. 1,766,086; June 24.
- Russell, Samuel G., E. L. Buchanan, and R. R. Potter, assignors to Shakespeare Products Company, Kalamazoo, Mich. Broom or the like. 1,749,987; Mar. 11.
- Russell, Samuel G., and R. R. Potter, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,759,065; May 20.
- Russell & Stoll Company. (See Rothen, Edward M., assignor.)
- Russell, Thomas F., North Lima, Ohio. Dustless ash remover. 1,767,312; June 24.
- Russell, Thomas M., assignor to The Russell Manufacturing Company, Middletown, Conn. Making brake bands and the like. 1,785,391; Dec. 16.
- Russell, W. A., & Company. (See Russell, William A., assignor.)

- Russell, Warren K., Newton, assignor to James Russell Boiler Works Co., Boston, Mass. Storage tank. 1,757,923; May 6.
- Russell, William, Salina, Kans. Invalid-chair holder. 1,743,904; Jan. 14.
- Russell, William A., Yonkers, assignor to W. A. Russell & Company, New York, N. Y. Air-relief valve. 1,761,685; June 3.
- Russell, William A., Yonkers, assignor to W. A. Russell & Co., New York, N. Y. Air valve. 1,767,704; June 24.
- Russell, William L. A., assignor to Skinner Brothers Manufacturing Company, St. Louis, Mo. Pneumatic conveyor. 1,772,017; Aug. 5.
- Russia Cement Company. (See Suiter, Arthur W., assignor.)
- Russian, Michael, Binghamton, N. Y. Shop tool rack. 1,743,570; Jan. 14.
- Russow, Marshall A., Chicago, Ill. Irrigator. 1,766,724; June 24.
- Rust, Clarence W. (See Nead, J. H., Kenyon and Rust.)
- Rust, James E., Park Ridge, assignor to G. A. E. Kohler, Chicago, Ill. Switch for devices for supplying paper to printing presses. 1,782,698; Nov. 25.
- Rust, Martha, Erie, Pa. Sink pad. 1,743,400; Jan. 14.
- Rust, Noel M. (See Round, H. J., and Rust.)
- Rustless Rule Co., The. (See Van Dusen, Frank L., assignor.)
- Rutenber, Edwin A., assignor to A. J. Lindemann-Hoverson Company, Milwaukee, Wis. Toaster. Des. 82,965; Dec. 30.
- Rutenber, Edwin A., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Thermostatic device. 1,783,309; Dec. 2.
- Rugers, Dr. Meibe, te's-Gravenhage en Anton Ferdinand Johannes Dijkgraaf te Rotterdam, elk voor, et al. (See Meindersma, Wigger, assignor.)
- Ruth-Aldo Company. (See Klein, Melitta, assignor.)
- Ruth, Charles H., Huntington Park, Calif. Wave and tide motor. 1,766,457; June 24.
- Ruth, Charles H., Huntington Park, assignor, by mesne assignments, to Ruth Dredger Manufacturing Corporation, Ltd., Los Angeles, Calif. Ditch-digging machine. 1,782,478; Nov. 25.
- Ruth Dredger Manufacturing Corporation, Ltd. (See Ruth, Charles H., assignor.)
- Ruth, Harold M., Huntington Park, Calif. Load-ejecting apparatus for conveyers. 1,760,964; June 3.
- Ruth, John F., St. Louis, Mo. Window. 1,754,439; Apr. 15.
- Ruth, Joseph P., jr. (See Brinker, Frederic A., assignor.)
- Ruth, Joseph P., jr., Denver, Colo. Flotation apparatus. 1,746,682; Feb. 11.
- Ruth, Joseph P., jr., Denver, Colo. Device for conditioning ores. 1,755,273; Apr. 22.
- Ruth, Joseph P., jr., Denver, Colo. Flotation apparatus. 1,760,916; June 3.
- Ruth, Laura, Lancaster, Pa. Shoe pad. 1,747,603; Feb. 18.
- Ruth, Samuel D., assignor to The John H. von Steen Company, Beatrice, Neb. Portable silo. 1,751,250; Mar. 18.
- Ruth, William C., Gap, Pa. Baling-press feeder. 1,768,214; June 24.
- Ruther, Walter H., St. Louis, Mo. Electric coin-operated switch. 1,762,892; June 10.
- Rutherford, Charles E., West Hartford, assignor to The Wiremold Company, Hartford, Conn. Flexible conduit for electrical conductors. 1,778,040; Oct. 14.
- Rutherford, Eugene W., New Haven, assignor to The Shoe Hardware Company, Waterbury, Conn. Slider for interlocking fasteners. 1,752,111; Mar. 25.
- Rutherford, Harry K., Cambridge, Mass. Computing device. 1,778,201; Oct. 14.
- Rutherford, Roy F., and W. Hood, San Francisco, Calif. Mattress tuft. 1,743,487; Jan. 14.
- Rutherford, Roy F., and W. Hood, San Francisco, Calif. Mattress-tufting device. 1,777,769; Oct. 7.
- Ruths Accumulator Aktiebolag. (See Ruths, J., Frenne, and Bäckström, assignors.)
- Ruths, Johannes, Djursholm, and N. H. Frenne and M. Bäckström, assignors, by mesne assignments, to Ruths Accumulator Aktiebolag, Stockholm, Sweden. Boiler for high pressure. 1,745,383; Feb. 4.
- Ruths Steam Storage Incorporated. (See Wettstein, Fritz, assignor.)
- Ruthven, Alfred L., Rochester, N. Y. Run-down and reset train control. 1,754,905; Apr. 15.
- Ruthven, Alfred L., Rochester, N. Y. Simplex normal danger automanual train-control apparatus. 1,754,906; Apr. 15.
- Ruthven, Alfred L., Rochester, N. Y. Continuous train control. 1,754,907; Apr. 15.
- Ruthven, Alfred L., Rochester, N. Y. Automanual resetting device. 1,774,728; Sept. 2.
- Ruthven, William, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Shaping tool. 1,752,507; Apr. 1.
- Rutkay, Jacob R., Flushing, N. Y. Clock case. Des. 81,553; July 8.
- Rutkowski, Walter L., St. Louis, Mo., assignor to R. C. Can Company, St. Louis, Mo. Closure for receptacles. 1,762,310; June 10.
- Rutledge, Arthur E., and E. T. Cleary, Rockford, Ill. Trip device. 1,761,052; June 3.
- Rutledge, George E., Chicago, Ill., assignor to The Munsingwear Corporation, Minneapolis, Minn. Bathing suit. 1,786,869; Dec. 30.
- Rutquist, Axel, Portland, Oreg. Combination tool. 1,780,506; Nov. 4.
- Ruttenberg, Samuel, Brooklyn, N. Y. Controlling the value of an electric current. 1,772,193; Aug. 5.
- Rutter, Argyle R., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,764,351; June 17.
- Rutter, Argyle R., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Meter housing. 1,783,547; Dec. 2.
- Rutter, Argyle R., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction timing motor. 1,778,835; Oct. 21.
- Rutter, Joseph E., Fort Lee, N. J. Furnace for burning liquid fuel. 1,764,528; June 17.
- Rutter, Joseph E., Fort Lee, N. J. Furnace for burning liquid fuel. 1,764,529; June 17.
- Rutter, Josiah B., Wakefield, Mass. Cribbing. 1,749,303; Mar. 4.
- Rutter, Mont, and E. E. Lechler, Atglen, Pa. Torpedo and making same. 1,760,004; May 27.
- Rüttger-Pelli Maria, Lucerne, Switzerland. Apparatus for massaging. 1,777,151; Sept. 30.
- Ruttiman, Alfred. (See White, F. E., and Ruttiman.)
- Ruttiman, Alfred, assignor to Florence Stove Company, Gardner, Mass. Ignition device. 1,758,853; May 13.
- Rutz, Frank C., Rockford, Ill. Hand brake. 1,745,061; Jan. 28.
- Ruxton, George T., Alameda, assignor to Pacific Pumping Co., San Francisco, Calif. Pump. 1,750,135; Mar. 11.
- Ruzicka, Rudolph. (See Allen, A. S., and Ruzicka.)
- Ryan, Allan C., et al. (See Miller, William A., assignor.)
- Ryan, Andrew H., Chicago, Ill., assignor to The Hoover Company. Suction cleaner. 1,771,583; July 29.
- Ryan, Benjamin W., San Fernando, Calif. Cable car. 1,748,798; Feb. 25.
- Ryan, Bernard A., Syracuse, N. Y. Roller bearing. 1,752,616; Apr. 1.
- Ryan, Edward, Knox, Ind., and E. R. Funk, Galesburg, Ill., assignors to The Standard Stoker Company, Incorporated, New York, N. Y. Locomotive tender. 1,785,287; Dec. 16.
- Ryan, George F., and E. H. Burke, Lynn, Mass., assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Grading mechanism for pattern-copying machines. 1,757,220; May 6.
- Ryan, George F., and E. H. Burke, Lynn, Mass., assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Pattern-copying machine. 1,757,221; May 6.
- Ryan, John, Columbus, Ohio. Steam trap. 1,766,725; June 24.
- Ryan, John J. (See Janda, Anna J., assignor.)
- Ryan, John T., Detroit, Mich. Tire-valve dust cap and locking mechanism therefor. 1,782,584; Nov. 25.
- Ryan Manufacturing Corporation. (See Hinds, Daniel C. and O. Q., assignor.)
- Ryan Mfg. Corporation. (See Faverty, Clyde B., assignor.)
- Ryan Mfg. Corporation. (See Schlacks, W. J., and Faverty, assignors.)
- Ryan, Ralph B. (See Cox, M. C., and Ryan.)
- Ryan, Scully & Company. (See Beach, George F., assignor.)
- Ryan, Tubal C., San Diego, Calif. Aeroplane. 1,754,529; Apr. 15.
- Rybeck, Adolph W., assignor to T. L. Smith Company, Milwaukee, Wis. Material-handling machine. 1,765,450; June 24.
- Rybeck, Adolph W., assignor to T. L. Smith Company, Milwaukee, Wis. Concrete-mixing machine. 1,779,013; Oct. 21.
- Ryckman, Norman E. (See Kemp, C. T., and Ryckman.)
- Ryckoff, Alfred M. (See Reynolds, Harry H., assignor.)
- Rydberg, John T., Harrison, N. J. Aeroplane. 1,757,879; May 6.
- Rydberg, John T., Harrison, N. J. Aeroplane. 1,769,393; July 1.
- Rydberg, William, Waverley, Mass. Machine for forming baking units from dough. 1,747,954; Feb. 18.
- Ryder, Ambrose, Carmel, N. Y. Umbrella, parasol, and the like. 1,753,666; Apr. 8.
- Ryder, Elmer, Elgin, Ill. Heater for motor vehicles. 1,760,005; May 27.
- Ryder, Elmer, Elgin, Ill. Shock absorber. 1,760,006; May 27.
- Ryder, Forest C., Elgin, Oreg. Automobile glare shield. 1,764,856; June 17.
- Ryder, Frank E., Bolton, England. Adjustable bearing for spindles. 1,779,781; Oct. 28.
- Ryder, Frank H., Cobleskill, N. Y., assignor to Harder Refrigerator Corporation. Refrigerator. 1,757,390; May 6.
- Ryder, Frank H., Cobleskill, N. Y., assignor to Harder Refrigerator Corporation. Refrigerator. 1,757,391; May 6.
- Ryder, Frank P., Niagara Falls, N. Y. Machine for separating string beans from stalks, etc. 1,743,240; Jan. 14.
- Ryder, Frank P., Niagara Falls, N. Y. Machine for separating articles. 1,775,214; Sept. 9.

- Ryder, Frank P., Niagara Falls, N. Y. Feeding device for thrashing machines. 1,752,577; Apr. 1.
- Ryder, Frank P., Niagara Falls, N. Y. Self-cleaning, sorting, or sifting machine. 1,755,336; Apr. 22.
- Ryder, James C. (See Zieley, J. D., Rudolf, and Ryder.)
- Ryder, Robert W., San Francisco, Calif. Spiral-conveyer coupling. 1,761,591; June 3.
- Rydman, Carl G. A., Oakland, Calif. Dental mirror. 1,750,194; Mar. 11.
- Rydmark, Josef, New Rochelle, assignor to International Combustion Engineering Corporation, New York, N. Y. Air-preheating device. 1,781,303; Nov. 11.
- Ryerson, Thorval L., Park Ridge, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Lawn sprinkler. 1,760,375; May 27.
- Ryffel, John, Brooklyn, N. Y. Controlling apparatus. 1,775,501; Sept. 9.
- Rygel, Daniel, et al. (See Schoenberger, John P., assignor.)
- Rygl, Frank, New York, N. Y. Extension table top. 1,781,602; Nov. 11.
- Rylander, Paul N. (See Coulling, J. O. B., and Rylander.)
- Ryley, Bertram H., Moyle, British Columbia, Canada. Treating the filter cake produced from continuous filters. 1,761,652; Nov. 11.
- Ry-Lock Company. (See Rymer, John A., assignor.)
- Rym, Peter, Yorkville, Ohio. Animal trap. 1,778,403; Oct. 14.
- Rymer, John A., Alameda, Calif., assignor, by mesne assignments, to Ry-Lock Company, Ltd., Reno, Nev. Door lock. 1,769,166; July 1.
- Rymer, John A., Berkeley, Calif., assignor, by mesne assignments, to Ry-Lock Company, Ltd., Reno, Nev. Door lock. 1,769,314; July 1.
- Rynders, George W., Carpentersville, assignor to Fairbanks, Morse & Co., Chicago, Ill. Hopper. 1,745,716; Feb. 4.
- Rys, Ladislav, Ruzomberok, Czechoslovakia. Bleaching cellulose of any kind. 1,787,395; Dec. 30.
- Rystedt Engineering Company, The. (See Rystedt, Ingemar K., assignor.)
- Rystedt, Ingemar K., Dayton, Ohio. Airplane. 1,761,053; June 3.
- Rystedt, Ingemar K., assignor to The Rystedt Engineering Company, Dayton, Ohio. Coupling device. 1,742,416; Jan. 7.
- Rystrom, Oscar A., York, Nebr. Road sign. 1,751,176; Mar. 18.
- Ryther, George D., Carthage, N. Y. Sectional drive or conveyer chain. 1,756,136; Apr. 29.
- Ryther, Henry A. (See Swain, D. B., and Ryther.)
- S. I. A. M. Limited. (See Guermont, Miguel E., assignor.)
- S. L. Products Company. (See Steiert, A. F., and Linke, assignors.)
- S. O. and C. Company, The. (See Neuberth, Franklin G., assignor.)
- S. and B. Folding Machine Company. (See Roby, Edward B., assignor.)
- S. & T. Metal Company. (See Shoemaker, Robert J., assignor.)
- Saalburg, Charles W., East Orange, N. J. Moving-picture device. 1,742,282; Jan. 7.
- Saatman, Walter A. (See Rider, E. G., and Saatman.)
- Saatman, Walter A., Roslyn, Pa. Adjustable apron feed for glue machines. 1,778,433; Oct. 14.
- Sabath, Albert, assignor to Scene-In-Action Corporation, Chicago, Ill. Transparency. 1,761,802; June 3.
- Sabbah, Camille A., Schenectady, N. Y., assignor to General Electric Company. Transmission of pictures and views. 1,747,988; Feb. 18.
- Sabbah, Camille A., Schenectady, N. Y., assignor to General Electric Company. Vapor electric device. 1,752,204; Mar. 25.
- Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Power-converting apparatus. 1,752,205; Mar. 25.
- Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Apparatus for measuring pressure. 1,754,180; Apr. 8.
- Sabik, George, Western Springs, assignor to U. S. Duplicator Company, Chicago, Ill. Duplicating machine. 1,749,160; Mar. 4.
- Sabin, Harold G., New Haven, Conn. Digger-bucket control. 1,748,400; Feb. 25.
- Sabin, Herbert B. (See Fisher, Albert H., assignor.)
- Sabo, Charles K., et al. (See Kovács, Balint, assignor.)
- Sabol, John, Brooklyn, N. Y. Smoke consumer. 1,756,663; Apr. 29.
- Sabor, Russell. (See Hartry, Earl P., assignor.)
- Saccaggio, Pedro C., Buenos Aires, Argentina. Control mechanism for power-transmission gearing. 1,754,181; Apr. 8.
- Saccoccia, Nicolas, Cranston, assignor to Fulford Mfg. Co., Providence, R. I. Fastener. 1,764,806; June 17.
- Sacerdote, Guido M., Bayside, N. Y. Paper clip. 1,753,094; Apr. 1.
- Sacerdote, Guido M., Bayside, assignor to B. McLaughlin, Flushing, N. Y. Clamping mechanism for rolling screens. 1,751,950; Mar. 25.
- Sacerdote, Guido M., Bayside, assignor to B. McLaughlin, Flushing, N. Y. Adjustable rolling screen. 1,779,262; Oct. 21.
- Sacerdote, Guido M., New York, N. Y. Dispensing container. 1,764,352; June 17.
- Sachs, Abraham, Salisbury, Md. Device for forming recesses and enlargements on shoe insoles. 1,747,029; Feb. 11.
- Sachs, Abraham, Salisbury, Md., assignor to Sachs Sole Shaping Machine Company, Incorporated. Device for forming recesses and enlargements on shoe insoles. Re17,914; Dec. 30.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,754,440; Apr. 15.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,754,441; Apr. 15.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,754,442; Apr. 15.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,754,443; Apr. 15.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,754,444; Apr. 15.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,754,445; Apr. 15.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,754,446; Apr. 15.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,755,366; Apr. 22.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,755,367; Apr. 22.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,755,368; Apr. 22.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,755,369; Apr. 22.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,757,741; May 6.
- Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,757,742; May 6.
- Sachs, Joseph, West Hartford, Conn. Electric-meter service appliance. 1,757,743; May 6.
- Sachs, Joseph, West Hartford, Conn. Electric-meter service appliance. 1,757,744; May 6.
- Sachs, Joseph, West Hartford, Conn. Electric-meter service installation. 1,758,981; May 20.
- Sachs, Joseph, West Hartford, Conn. Protected electric-meter-service appurtenance. 1,767,259; June 24.
- Sachs, Joseph, West Hartford, Conn. Protected electric-meter-service appurtenance. 1,767,260; June 24.
- Sachs, Joseph, West Hartford, Conn. Electric-meter-service appliance. 1,767,261; June 24.
- Sachs, L. C. (See Adams, George R., assignor.)
- Sachs Sole Shaping Machine Company. (See Sachs, Abraham, assignor.)
- Sachs, William B., Jamaica, N. Y. Flash light. 1,782,015; Nov. 18.
- Sachse, Ernest C., Edgewater, N. J. Apparatus for facilitating the manipulation of manicuring. 1,783,262; Dec. 2.
- Sachse, Herman P., Chicago, Ill., assignor to Central Scientific Company, Chicago, Ill. Educational appliance. 1,767,774; June 24.
- Sachsenwerk, Licht- und Kraft-Aktiengesellschaft. (See Kergel, Hermann, assignor.)
- Sächsische Maschinenfabrik vorm. Rich. Hartmann Aktiengesellschaft. (See Quass, Georg K., assignor.)
- Sächsische Metallwaren fabrik August Wellner Söhne, Aktiengesellschaft. (See Vogelsang, Fritz, assignor.)
- Sack, Ernest Waverly, Iowa. Railway mower. 1,754,336; Apr. 15.
- Sackett, A. J., and Sons Company, The. (See Sackett, Augustus J., assignor.)
- Sackett, Augustus J., Anne Arundel County, Md., assignor to The A. J. Sackett and Sons Company. Fertilizer-screen vibrator. 1,756,835; Apr. 29.
- Sackoncrete Company. (See Lillard, William W., assignor.)
- Sacksteder, Overton, jr., assignor to Aladdin Manufacturing Company, Muncie, Ind. Portable lamp. 1,745,584; Feb. 4.
- Saco-Lowell Shops. (See Banfield, F. E., jr., and Albrecht, assignors.)
- Saco-Lowell Shops. (See Banfield, F. E., jr., and Hoagland, assignors.)
- Sadacca, Albert, assignor to Noma Electric Corporation, New York, N. Y. Electric-lighting device. 1,781,885; Nov. 18.
- Sadacca, Albert, assignor to Noma Electric Corporation, New York, N. Y. Ornamental illuminating device. 1,783,750; Dec. 2.
- Sadinoff, Max, Brooklyn, N. Y. Lace trimmings or the like. Des. 81,726; July 29.
- Sadinoff, Max, Brooklyn, N. Y. Lace trimmings or the like. Des. 81,727; July 29.
- Sadinoff, Max, Brooklyn, N. Y. Lace trimmings or the like. Des. 81,729; July 29.
- Sadinoff, Max, Brooklyn, N. Y. Lace trimmings or the like. Des. 81,730; July 29.
- Sadler, Edward P., Louisville, Ky. Aerial-mast bracket. 1,745,814; Feb. 4.
- Sadler, Ernest K., assignor of one-half to C. E. Schnell, Fresno, Calif. Automatic switch-reclosing mechanism. 1,745,717; Feb. 4.
- Sadler, Frederick W., assignor of one-fourth to B. E. Turney, Oklahoma City, Okla. Casing cover and tool holder for wells. 1,756,799; Apr. 29.
- Sadler, Frederick W., and R. C. Veirs, Oklahoma City, Okla. Shade attachment for goggles and other eyeglasses. 1,749,676; Mar. 4.
- Sadtler, Edwin B., assignor to Peabody Engineering Corporation, New York, N. Y. Valve. 1,767,228; June 24.

- Sadtler, Helena S., Erdenheim, Pa. Steel printing body and producing the same. Re17,805; Sept. 16.
- Sadtler, Helena S., Erdenheim, Pa. Combination cutting chart and transfer pattern. 1,747,323; Feb. 18.
- Sadtler, Helena S., Erdenheim, Pa. Transfer for multi-colored designs and markings. 1,759,868; May 27.
- Sadtler, Philip B., Chicago, assignor to Swenson Evaporator Company, Harvey, Ill. Condenser. 1,783,369; Dec. 2.
- Sadtler, Samuel S. (See Hepburn, D. McK., and Sadtler.)
- Sadtler, Samuel S., Springfield Township, Montgomery County, Pa. Water softener. 1,761,411; June 3.
- Sadtler, Samuel S., Springfield Township, Montgomery County, Pa., assignor to Amiesite Asphalt Company of America, Camden, N. J. Road-building material and making the same. 1,758,913; May 13.
- Sadtler, Samuel S., Springfield Township, Montgomery County, Pa., assignor to Amiesite Asphalt Company of America, Camden, N. J. Road-building material and making the same. 1,758,914; May 13.
- Sadtler, Wilhelm, Bad Homburg, Germany. Toy weapon. 1,782,479; Nov. 25.
- Sadtler, William F., Baltimore, Md. Loose-leaf binder. 1,776,376; Sept. 23.
- Sadwith, Ryan, Newark, assignor to Nicholas Products Corporation, Highland Park, N. J. Oven. 1,771,145; July 22.
- Sadwith, Ryan, Newark, N. J., assignor to Nichols Products Corp., New York, N. Y. Wall and partition construction for insulating purposes. 1,782,794; Nov. 25.
- Saemisch, Erich C., Chicago, Ill. Sanitary display stand. 1,748,656; Feb. 25.
- Safat Società Anonima Fabbrica Armi-Torino. (See Mascarucci, Giuseppe, assignor.)
- Safetee Glass Company. (See Hackett, R. W., and Worral.)
- Safety Car Heating & Lighting Company, The. (See Coffee, Fritz, assignor.)
- Safety Car Heating & Lighting Company, The. (See Cole, Theodore S., assignor.)
- Safety Car Heating & Lighting Company, The. (See Eise-mann, Carl W., assignor.)
- Safety Car Heating & Lighting Company, The. (See John-son, Seth, assignor.)
- Safety Car Heating & Lighting Company. (See Schaller, O., and Schröter, assignors.)
- Safety Car Heating & Lighting Company, The. (See Schepmoes, Lindsley, assignor.)
- Safety Car Heating & Lighting Company. (See Schröter, Bassett M., assignor.)
- Safety Car Heating & Lighting Company, The. (See Stro-bell, John D., assignor.)
- Safety Car Heating & Lighting Company, The. (See Von Ohlsen, Louis, assignor.)
- Safety Check Protector Corporation. (See Chapel, George L., assignor.)
- Safety Clear Vision, Inc. (See MacLennan, K. M., and Marcelais, assignors.)
- Safety Dry Cleaning System Company, The. (See Johnson, Wallace C., assignor.)
- Safety Dry Cleaning System Company, The. (See Mishaw, Egbert W., assignor.)
- Safety Grinding Wheel & Machine Company, The. (See Vance, George E., assignor.)
- Safety Mining Company. (See Helmholtz, A. W., and Ferrell, assignors.)
- Safety Oil Tank Company. (See Kueffer, Frederick W., assignor.)
- Safety Signal Company. (See Morrison, John A., as-signor.)
- Safety Tire Pop-Valve Company. (See Nelson, Nels S., as-signor.)
- Safford, Clarence E., assignor to A. H. Greeley, Cleveland, Ohio. Heat-exchange apparatus. 1,753,318; Apr. 8.
- Safford, Henry T., sr., El Paso, Tex. Device for pressing soap. 1,782,076; Nov. 18.
- Safir, Leo C., New York, N. Y. Slipper-display container. 1,757,478; May 6.
- Saftigard-Nudriare, Inc. (See Hutchinson, Edward, jr., assignor.)
- Sagendorph, William K., executor. (See Hopkins, George F.)
- Sager, Abraham, Chicago, Ill. Ring. Des. 80,743; Mar. 18.
- Sager, Abraham, Chicago, Ill. Ring. Des. 82,450; Nov. 4.
- Sager, Abraham, Chicago, Ill. Ring. Des. 82,760; Dec. 9.
- Sager Pen Corporation, The. (See Sager, Solomon M., assignor.)
- Sager, Samuel N., Chicago, Ill. Pull-off legging. 1,749,231; Mar. 4.
- Sager, Samuel N., Chicago, Ill. Pull-off legging. 1,749,232; Mar. 4.
- Sager, Solomon M., Chicago, Ill., assignor to The Sager Pen Corporation. Packing unit. 1,742,283; Jan. 7.
- Saginaw Manufacturing Co. (See Gilbert, Henry J., as-signor.)
- Saglioni, Romeo, Caltagirone, Italy. Change-speed gear-ing. 1,754,697; Apr. 15.
- Sague, George, Oakes, N. Y., assignor to George Sague Mfg. Corp. Detector. 1,769,039; July 1.
- Sague, George, Mfg. Co. (See Sague, George, assignor.)
- Saha, Aatto P., Brooklyn, N. Y. Inclinator. 1,755,027; Apr. 15.
- Saharoff, Alexander V., Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Unloading apparatus for variable-volume compressors. 1,756,137; Apr. 29.
- Sahlberg, Rolf, assignor to The Aerocrete Corporation of America, New York, N. Y. Supporting concrete beam. 1,746,559; Feb. 11.
- Sahlstrom, Carl E., Chicago, Ill. Pocket for garments. 1,756,138; Apr. 29.
- Sahner, Emil, Sackingen, Baden, Germany. Clock-actu-ated calendar. 1,782,274; Nov. 18.
- Saibi Mojami Kabushiki Kaisha. (See Kakuda, Saibel, assignor.)
- Sailer, Rudolph J., Townley, assignor to The Singer Manu-facturing Company, Elizabeth, N. J. Sewing-machine attachment. 1,784,614; Dec. 9.
- Sailor, Horace P., Cleveland, Ohio. Apparatus for welding hollow metallic articles. 1,766,229; June 24.
- Sailor, Thomas A. (See Horsley, C. E., and Sailor.)
- St. Anne's Board Mill Company Limited. (See Heys, Ro-land B., assignor.)
- St. Clair, Byron W., Lynn, Mass., assignor to Genreal Electric Company. Electric measuring instrument. 1,776,708; Sept. 23.
- St. Clair, Merle C. (See Swain, F. T., and St. Clair.)
- St. Clair, Oscar A., and E. L. Tenney, Chicago, Ill., as-signors, by mesne assignments, to Certain-teed Prod-ucts Corporation. Plaster-board-handling apparatus. 1,776,201; Sept. 16.
- St. George, Arthur, Chicago, Ill. Bird fountain. 1,755,706; Apr. 22.
- St. Hilaire, Frank L., Cincinnati, Ohio. Stapling machine. 1,757,883; May 6.
- St. John, Everett. (See Fish, L. B., and St. John.)
- St. John, Everett, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Drive ring. 1,750,694; Mar. 18.
- St. John, George, jr., assignor to Wm. Demuth & Co., New York, N. Y. Decorating pipes. 1,754,289; Apr. 15.
- St. Joseph Iron Works. (See Hatch, William E., assignor.)
- St. Joseph Iron Works. (See Loomis, John H., assignor.)
- St. Joseph Iron Works. (See Schmidtke, Albert H., as-signor.)
- St. Joseph Iron Works. (See Swigert, Clyde, assignor.)
- St. Joseph Lead Company. (See Gaskill, Earl C., assignor.)
- St. Joseph Lead Company. (See Gaskill, Earl C., as-signor.)
- St. Louis Butcher's Supply Co. (See Kohl, Charles A., assignor.)
- St. Louis Frog & Switch Company. (See Einstein, Robert E., assignor.)
- St. Louis, George C., Fresno, Calif. Airplane. 1,749,047; Mar. 4.
- St. Louis Scale Corporation. (See Moser, Frank R., jr., assignor.)
- St. Onge, Edward H., Detroit, Mich. Woodworking tool. 1,770,557; July 15.
- St. Pierre, William, Manchester, N. H. Bobbin-clutch attachment for whirles. 1,779,019; Oct. 21.
- St. Regis Paper Company. (See Bates, Adelmer M., as-signor.)
- St. Regis Paper Company. (See Cornell, J. E., and Verwys, assignors.)
- St. Regis Paper Company. (See Kendall, Marvin R., as-signor.)
- St. Regis Paper Company. (See Kronmiller, Carl G., as-signor.)
- St. Regis Paper Company. (See Lilly, Scott H. and G. E., assignors.)
- St. Regis Paper Company. (See Marsh, Esli A., assignor.)
- St. Regis Paper Company. (See Martin, Chester C., as-signor.)
- St. Regis Paper Company. (See Menke, Edward W., assignor.)
- St. Regis Paper Company. (See Menke, E. W., and Reding-ton, assignors.)
- St. Regis Paper Company. (See Redington, John C., as-signor.)
- Saives, Leon, assignor to Société Anonyme des Usines Renault, Billancourt, France. Steering of endless-track vehicles. 1,758,806; May 13.
- Saives, Léon, Paris, assignor to L. Renault, Billancourt, France. Brake for vehicles. 1,742,788; Jan. 7.
- Saives, Leon, assignor to L. Renault, Billancourt, France. Apparatus for igniting internal-combustion engines. 1,782,940; Nov. 25.
- Sakier, George, New York, N. Y. Bowl or similar article. Des. 80,971; Apr. 15.
- Sakier, George, New York, N. Y. Sherbet or similar arti-cle. Des. 80,972; Apr. 15.
- Sakier, George, New York, N. Y., assignor to Fostoria Glass Co., Moundsville, W. Va. Goblet or similar article. Des. 81,301; June 3.
- Sakier, George, New York, N. Y., assignor to Fostoria Glass Co., Moundsville, W. Va. Goblet. Des. 81,302; June 3.
- Sakier, George, assignor to Standard Sanitary Manufac-turing Company, New York, N. Y. Pedestal for lava-tory basin. Des. 82,348; Oct. 21.
- Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. Des. 82,909; Dec. 23.
- Saklatwalla, Byramji D., Crafton, Pa. Ferrous alloy. 1,781,527; Nov. 11.

- Saklatwalla, Byramji D., Crafton, assignor to Vanadium Corporation of America, Bridgeville, Pa. Recovery of vanadium from ores or compounds. 1,779,856; Oct. 28.
- Saksa, Eino E. (See Bennett, G. D., and Saksa.)
- Sakuma, Eikichi, Tokyo Fu, Japan. Apparatus for making asphalt roofings. 1,753,027; Apr. 1.
- Sakurai, Sueo. (See Suzuki, T., and Sakurai.)
- Sala, Charles J. (See Kern, J. G., and Sala.)
- Sala, David G. (See Lindstrom, L. O. B., and Sala.)
- Salazar, Antonio J., San Francisco, Calif. Vehicle signal. 1,764,121; June 17.
- Salazar, Jess G., Atwater, Calif. Renewable-head tool. 1,781,344; Nov. 11.
- Salberg, Karl. (See Crichton, James V., assignor.)
- Salerni, Edoardo M., Paris, France, assignor to E. M. S. Industrial Processes Limited, London, England. Apparatus for removing dust from gases or vapors. 1,758,624; May 13.
- Salerni, Nicholas B., Indianapolis, Ind. Vaginal syringe. 1,761,588; June 3.
- Salerni, Piere M., Westminster, London, England. Safety razor. 1,771,235; July 22.
- Salerni, Piero M., Sydenham Hill, London, England, assignor, by mesne assignments, to Rolls Razor Limited, London, England. Device for sharpening safety-razor blades. 1,772,617; Aug. 12.
- Salinger, Morris, assignor of one-half to E. D. Stein, New York, N. Y. Clock case. Des. 81,665; July 22.
- Salinger, Morris, assignor of one-half to E. D. Stein, New York, N. Y. Combined cigarette dispenser and ash tray. Des. 81,666; July 22.
- Salinger, Morris, assignor of one-half to E. D. Stein, New York, N. Y. Combined cigarette dispenser and ash tray or similar article. Des. 82,110; Sept. 23.
- Salinger, Morris, assignor of one-half to E. D. Stein, New York, N. Y. Clock case or similar article. Des. 82,180; Sept. 30.
- Salisbury, Frank M., Dundalk, assignor to The Glenn L. Martin Co., Baltimore, Md. Airplane flotation system. 1,776,865; Sept. 30.
- Salisbury, Hervey M., Walnut Grove, and A. E. Miller, Sacramento, Calif. Variable-area wing structure for airplanes. 1,764,122; June 17.
- Salisbury, Hervey M., Walnut Grove, and A. E. Miller, Sacramento, Calif. Airplane. 1,777,018; Sept. 30.
- Salisbury, Hervey M., Walnut Grove, and A. E. Miller, Sacramento, Calif. Stabilizer for aeroplanes. 1,782,149; Nov. 18.
- Salisbury, Howard D., Birmingham, Ala. Disconnect switch. 1,774,456; Aug. 26.
- Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Loop buckle. 1,775,094; Sept. 9.
- Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,775,095; Sept. 9.
- Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,775,096; Sept. 9.
- Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Prong buckle. 1,778,814; Oct. 21.
- Salisbury, O. J. (See Apablaza, John V., assignor.)
- Salisbury, William, Detroit, Mich. Plant pot. 1,775,831; Sept. 16.
- Salisbury, William, Toledo, Ohio. Knock-out bottom. 1,775,537; Sept. 9.
- Salisbury, William, Toledo, Ohio. Knockout bottom. 1,776,666; Sept. 23.
- Salkowski, Heinrich. (See Kalischer, G., Salkowski, and Frister.)
- Sall Brothers Company. (See Sall, John A., assignor.)
- Sall, John A., assignor to Sall Brothers Company, Rockford, Ill. Battery-terminal clamp and making the same. 1,762,529; June 10.
- Sallop, Harry A., New York, N. Y. Fastener. 1,754,770; Apr. 15.
- Sallop, Harry A., New York, N. Y. Fastener. 1,754,772; Apr. 15.
- Sallop, Harry A., New York, N. Y. Fastener device. 1,772,088; Aug. 5.
- Sallop, Harry A., New York, N. Y. Removable automobile seat cover. 1,777,451; Oct. 7.
- Salls, Carroll M. (See McKee, R. H., and Salls.)
- Salmar, Frank W., Chicago, Ill. Cigar knife. 1,787,396; Dec. 30.
- Salmi, Joseph, New York, N. Y. Novelty can. 1,761,495; June 3.
- Salmon, George W., Columbus, Ohio. Timing lamp lighter. 1,773,121; Aug. 19.
- Salmon, James P., Philadelphia, Pa., assignor of part interest to J. W. France and J. A. Missar, Philadelphia, Pa. Sign. 1,767,483; June 24.
- Salmon, Reginald D. (See Creed, F. G., and Salmon.)
- Salmon, Reginald D., assignor, by mesne assignments, to Creed and Company, Ltd., Croydon, England. Electric transmitter suitable for use in automatic telegraphy. 1,773,866; Aug. 26.
- Salo, Axel W., North Hibbing, Minn. Toy. 1,747,487; Feb. 18.
- Salomon, Fay B., New York, N. Y. Toilet compact. 1,749,445; Mar. 4.
- Salomon, Hans, Berlin-Halensee, and M. Friedrich, Berlin, Germany. Apparatus for inducing sleep. 1,759,761; May 20.
- Salomonsen, Jacob, Greenwood, Wis. Motor-truck trailer. 1,787,213; Dec. 30.
- Salter, George, and Company Limited. (See Bache, E. W., and Grice, assignors.)
- Salter, James A. (See Salter, James W. and J. A.)
- Salter, James W. and J. A., Berkeley, assignors to Coast to Coast Amusement Association, Oakland, Calif. Game apparatus. Des. 81,759; Aug. 5.
- Salter, Vernon D., Oakland, Calif. Game apparatus. 1,783,370; Dec. 2.
- Saltrick, William R., Purley, England, assignor to R. W. Stimson, New York, N. Y. Alloy. 1,770,433; July 15.
- Saltzman, Joseph G. (See Atticks, H. J., and Saltzman.)
- Saltzman, Joseph, Chicago, Ill. Cushion pad for foot treadles. 1,763,987; June 17.
- Salustri, Emilio and G., Detroit, Mich. Portable time-stamping mechanism. 1,780,770; Nov. 4.
- Salustri, Giacomo. (See Salustri, Emilio and G.)
- Salvage Process Corporation. (See Engstrand, Gunnar C., assignor.)
- Salvat, Pierre, San Francisco, Calif. Woodworking machine. 1,748,366; Feb. 25.
- Salvati, Dominick, Brooklyn, and H. Le Quornik, Richmond Hill, N. Y.; said Le Quornik, assignor to said Salvati. Smoker's article. 1,756,836; Apr. 29.
- Salvatore, John, East Orange, N. J. Strainer. 1,757,977; May 13.
- Salveson, Elmer F., Fullerton, Calif. Vacuum fishing tool. 1,777,581; Oct. 7.
- Salvucci, Nunziato, Lynn, Mass. Dusting brush. 1,767,313; June 24.
- Salwén, Ragmar, and J. Öhrn, Grangesberg, assignors to Morgardshammars Mekaniska Verstdads Aktiebolag, Morgardshammars, Sweden. Dehydration of substances suspended in water. 1,768,215; June 24.
- Salz, James, New York, N. Y. Fountain pen. 1,777,736; Oct. 7.
- Salz, Michel, New York, N. Y. Burner appliance. 1,775,866; Sept. 16.
- Salzman, Julia C., Toledo, Ohio. Necktie hanger. Des. 81,025; Apr. 22.
- Samaras, Stephen, and L. Ravizza, Oakland, Calif. Golf club. 1,769,235; July 1.
- Samburg, Maurice, et al. (See Degener, Gustav O., assignor.)
- Samlow, George H., Napoleon, Ohio. Feeder. 1,743,571; Jan. 14.
- Sammis, Donald S., Stratford, assignor to The New Haven Sand Blast Company, New Haven, Conn. Feed apparatus. 1,754,121; Apr. 8.
- Sampey, Harvey D., Telford, assignor to Dextdale Hosiery Mills, Lansdale, Pa. Knitting machine. 1,775,032; Sept. 2.
- Sample, Warren M., Muncie, Ind. Refrigerator stand. Des. 82,058; Sept. 16.
- Sample, Wilbur S., assignor of one-half to E. F. Hunter, Los Angeles, Calif. Reverse-movement brake mechanism for automobiles. 1,755,459; Apr. 22.
- Sampson, Charles H., Rochester, N. Y. Printing machine. 1,781,477; Nov. 11.
- Sampson, George. (See Gordon, G. N., and Sampson.)
- Sampson, Harry L., trustees, et al. (See Blake, Charles C., assignor.)
- Sampson, Harry O., Beaumont, Tex. Signal recorder. 1,768,154; June 24.
- Sampson, Henry L., Los Angeles, Calif. Reclosing mechanism for circuit breakers. 1,751,059; Mar. 18.
- Sampson, Robert W., New York, N. Y. Pneumatic cushion, mattress, and the like. 1,777,477; Oct. 7.
- Samson Cordage Works. (See Peterson, Charles M., assignor.)
- Samson, Meyer, Philadelphia, Pa. Receptacle. 1,743,980; Jan. 14.
- Samson-United Corporation. (See Samuels, Abe O., assignor.)
- Samstag & Hilder Bros., Inc. (See Samstag, Louis A., assignor.)
- Samstag, Louis A., assignor to Samstag & Hilder Bros., Inc., New York, N. Y. Hand bag. 1,756,764; Apr. 29.
- Samter, L., & Sons. (See Samter, Samuel L., assignor.)
- Samter, Samuel L., assignor to L. Samter & Sons, San Francisco, Calif. Four-in-hand tie, method of making the same, and material used in the manufacture thereof. 1,762,591; June 10.
- Samuel, André, Lyon, France, assignor, by mesne assignments, to Samuels Process Corporation, Boston, Mass. Machine for placing and ironing sheet material. 1,747,794; Feb. 18.
- Samuel, André A., Paris, France. Thermal and electrical insulator and manufacture thereof. 1,770,663; July 15.
- Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Sadiron cover. Des. 82,226; Oct. 7.
- Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Knife sharpener. 1,762,698; June 10.
- Samuels, André, Lyon, France, assignor, by mesne assignments, to Samuels Process Corporation, Boston, Mass. Machine for drying sheet material. 1,750,055; Mar. 11.
- Samuels, Frances, Flushing, assignor to S. Behr, New York, N. Y. Hat support. Des. 81,351; June 10.
- Samuels Process Corporation. (See Samuel, André, assignor.)
- Samuels, William, Detroit, Mich. Piston drive. 1,787,173; Dec. 30.

- Samuelson, Arthur H., assignor to The Heil Co., Milwaukee, Wis. Partition. 1,775,971; Sept. 16.
- Samuelson, Alfred M., Henning, Minn. Cream cooler. 1,783,585; Dec. 2.
- Samuelsson, Carl M., Stockholm, Sweden. Traversing hoist. 1,777,019; Sept. 30.
- Sanborn, Elmer E. (See Kennedy, C. E., and Sanborn.)
- Sanborn, Francis A., Le Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding apparatus. 1,744,804; Jan. 28.
- Sanborn, Horatio, Bend, Oreg. Asparagus harvester. 1,775,142; Sept. 9.
- Sancken, Carl C., Saunemin, Ill. Automatic bundle-tripping mechanism for binders. 1,763,446; June 10.
- Sandalari, Inc. (See Bendelari, Mary E., assignor.)
- Sandberg, Nathaniel. (See Bigney, S. O., and Sandberg.)
- Sandell, Carl A., Wilkeson, Wash. Fuel chest. 1,762,530; June 10.
- Sandell, Joseph H., Chicago, Ill., assignor to Comstock-Castle Stove Company, Quincy, Ill. Heater door. Des. 80,855; Apr. 1.
- Sandeman Edward K. (See Deloraine, E. M., and Sandeman.)
- Sanden, Arthur G., South Bellingham, Wash. Drafting instrument. 1,755,024; Apr. 15.
- Sander, Paul, Chemitz, Germany. Endless pattern band for textile machinery. 1,765,286; June 17.
- Sanders, Arthur F., assignor to R. A. Lister & Company, Limited, Dursley, England. Compression-ignition internal-combustion engine. 1,787,326; Dec. 30.
- Sanders, Edward, Moorehead, Minn. Potato harvester. 1,750,362; Mar. 11.
- Sanders, Floyd A., Tulsa, Okla., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Oil-well torpedo container. 1,777,153; Sept. 30.
- Sanders, Granison M., assignor of one-half to M. L. Luce, Ontario, Calif. Piston-ring-fitting machine. 1,750,195; Mar. 11.
- Sanders, Leon, et al. (See Seidel, Morris, assignor.)
- Sanders, Raymond G. (See Johnson, O., and Sanders.)
- Sanders, Richard D. (See West, H. W., and Sanders.)
- Sanders, Richard D., Norfolk, Va. Fluid-heating apparatus. 1,766,802; June 24.
- Sanders, Walter C., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway-car-axle construction. 1,776,272; Sept. 23.
- Sanders, Walter C., and J. Hektner, assignors to The Timken Roller Bearing Company, Canton, Ohio. Railway-passenger-car axle. 1,742,825; Jan. 7.
- Sanders, Walter C., and J. Hektner, assignors to The Timken Roller Bearing Company, Canton, Ohio. Locomotive axle. 1,742,826; Jan. 7.
- Sanderson, Arthur N., and F. H. Dana, West Springfield, and K. G. Vogel, Mittineague, Mass. Window fastener. 1,782,016; Nov. 18.
- Sanderson, Clarence H., Nutley, N. J., assignor to General Electric Company. Electric switch. 1,751,364; Mar. 18.
- Sanderson, Clarence H., Nutley, N. J., assignor to Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Air-flow-indicating apparatus. 1,776,297; Sept. 23.
- Sanderson, Edwin. (See Laverack, Squire, assignor.)
- Sanderson, John C. (See Monroe, W. S., and Sanderson.)
- Sanderson, Samuel E., Brooklyn, N. Y. Cutting attachment. 1,748,904; Feb. 25.
- Sandford, Dent, Toledo, Ohio. Oil-pumping-prevention piston means. 1,754,404; Apr. 15.
- Sandford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake mechanism. 1,776,954; Sept. 30.
- Sandherr Automatic Transmissions, Inc. (See Sandherr, Frederick H., assignor.)
- Sandherr, Frederick H., St. Louis, Mo., assignor to Sandherr Automatic Transmissions, Inc., Wilmington, Del. Transmission. 1,777,860; Oct. 7.
- Sandholm, Hazel A. (See Schoenberg, J. A., and Sandholm.)
- Sandin, Jerome, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rotary switch. 1,744,245; Jan. 21.
- Sandin, Maurits J., Wilkins Township, Allegheny County, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cut-out. Re17,840; Oct. 21.
- Sandmeier, Ernst G., assignor to Swiss Jewel Co. S. A., Locarno, Switzerland. Synthetic oriental emerald or emerald-green sapphire. 1,775,867; Sept. 16.
- Sandmeier, Ernst G., assignor to Swiss Jewel Co. S. A., Locarno, Switzerland. Synthetic green spinel. 1,775,868; Sept. 16.
- Sandmeier, Ernst G., assignor to Swiss Jewel Co. S. A., Locarno, Switzerland. Synthetic spinel colored like a Brazilian emerald. 1,775,869; Sept. 16.
- Sandmeier, Ernst G., assignor to Swiss Jewel Co. S. A., Locarno, Switzerland. Synthetic spinel gem resembling blue zircon. 1,775,870; Sept. 16.
- Sandner, Erich, Kobe, Japan. Torque cushioning shaft coupling. 1,751,496; Mar. 25.
- Sando, Joseph B., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Dry room. 1,763,541; June 10.
- Sands, Charles F. (See Lonaberger, R. F., and Sands.)
- Sands, Thomas J., Auburn, R. I., assignor to Universal Winding Company, Boston, Mass. Slug or bunch catcher. 1,749,511; Mar. 4.
- Sand Spun Patents Corporation. (See Losey, Arthur, assignor.)
- Sand Spun Patents Corporation. (See Moore, W. D., and Morgan, assignors.)
- Sand Spun Patents Corporation. (See Moore, W. D., Loring, and Bowers, assignors.)
- Sand Spun Patents Corporation. (See Moxley, Stephen D., assignor.)
- Sandstrom, Felix C., Milwaukee, Wis., assignor to International Harvester Company. Cream-separator-gear housing. 1,755,841; Apr. 22.
- Sandstrom, George F. (See Sharp, W. E., Sandstrom, and Ridlon.)
- Sandt, Julius, Pirmasens, Germany. Shoe machine. 1,753,836; Apr. 8.
- Sandura Company. (See Millholland, James H., assignor.)
- Sandvikens Jernverks Aktiebolag. (See Janson, Carl A., assignor.)
- Sandwich Manufacturing Co. (See Dolan, James J., assignor.)
- Sandwich Manufacturing Co. (See Hartman, Edward, assignor.)
- Saner, R. E. L. (See Cushman, J. W. Everett, and Farrell, assignors.)
- Sanford, Alfred F., Knoxville, Tenn. Radio apparatus. 1,755,028; Apr. 15.
- Sanford, Hugh W., and P. S. McCallen, Knoxville, Tenn., assignors to Sanford Investment Company, Wilmington, Del. Mine car. 1,762,667; June 10.
- Sanford, Hugh W., and H. W. Jones, Knoxville, Tenn., assignors to Sanford Investment Company, Wilmington, Del. Journal box and axle. 1,768,004; June 24.
- Sanford Investment Company. (See Sanford, H. W., and Jones, assignors.)
- Sanford Investment Company. (See Sanford, H. W., and McCallen, assignors.)
- Sanford Investment Company. (See Stow, Audley H., assignor.)
- Sanford, John W., Chicago, Ill., assignor to Sullivan Machinery Company. Compressor-controlling mechanism. 1,786,128; Dec. 23.
- Sanford, John W., Claremont, N. H., assignor to Sullivan Machinery Company. Automatic compressor-control system. 1,785,979; Dec. 23.
- Sanford, John W., Claremont, N. H., assignor to Sullivan Machinery Company. Automatic compressor-control system. 1,785,980; Dec. 23.
- Sanford, John W., Claremont, N. H., assignor to Sullivan Machinery Company. Automatic compressor-control system. 1,786,367; Dec. 23.
- Sanford-Riley Stoker Corporation. (See Grabame, Dallas F., assignor.)
- Sanford, Roy S. (See Dodge, A. Y., and Sanford.)
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,756,996; May 6.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,759,420; May 20.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Motor-vehicle body. 1,762,640; June 10.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating means. 1,762,699; June 10.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake mechanism. 1,773,755; Aug. 26.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Servo brake. 1,774,158; Aug. 26.
- Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,774,527; Sept. 2.
- Sanford, Roy S., and O. B. Clark, South Bend, Ind., assignors to Bendix Brake Company, Chicago, Ill. Lubricant guard for brakes. 1,756,995; May 6.
- Sanford, William C., Jr., Cerro de Pasco, Peru. Liquid mixing and cooling device. 1,786,129; Dec. 23.
- Sangamo Electric Company. (See De Long, Charles E., assignor.)
- Sangamo Electric Co. (See Holtz, Frederick C., assignor.)
- Sanger, Walter E., deceased, Chicago, Ill.; Union Trust Company, executor, Detroit, Mich., assignor to O. H. Wurster. Apparatus for distilling liquids. 1,743,289; Jan. 14.
- Sanger, Walter E., deceased, Chicago, Ill., by Union Trust Company, executor, Detroit, Mich., assignor to O. H. Wurster, Chicago, Ill. Distilling liquids. 1,743,488; Jan. 14.
- Sanguinetti, George A., Peters, Calif. Tractor tread. 1,747,488; Feb. 18.
- Sani-Loc Cabinet Company. (See Montgomery, Harry A., assignor.)
- Sanitarium Equipment Company. (See Goodrich, Norris E., assignor.)
- Sanitarium Equipment & Company. (See Wentworth, Merton W., assignor.)
- Sanitary Automatic Candy Corporation. (See Pelzer, Harold H., assignor.)
- Sanitary Food Machine Corporation. (See Banff, Peter S., assignor.)
- Sanitary Products Corporation of America. (See Fine, Bernard M., assignor.)
- Sanite Corporation. (See Mendel, William, assignor.)
- Sankey, Elmer. (See Tennant, A. A., and Sankey.)
- Sankyo Kabushiki Kaisha. (See Nakamura, Michisuke, assignor.)

Sankyo Kabushiki Kaisha. (See Shoji, Ichitaro, assignor.)
 Sansburn, Alexander W., Pilares de Nacozari, Mex. Lamp bracket. 1,758,469; May 13.
 Sansom, Robert C. (See MacArthur, J. B., and Sansom.)
 Sansone, Frank, New Orleans, La. Cushion heel. 1,764,353; June 17.
 Santa Catalina Island Company. (See Renton, D. M., Long, and Murphy, assignors.)
 Santangelo, Giuseppe, New York, N. Y. Safety means for motor vehicles. 1,785,598; Dec. 16.
 Santarcangelo, Joseph, Pittsburgh, Pa. Shade holder. 1,749,446; Mar. 4.
 Santhony, Joseph N., Lincoln Park, Mich. Boot and shoe scraper. 1,768,375; June 24.
 Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Expanding roller underreamer. 1,745,650; Feb. 4.
 Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Expanding reamer. 1,754,530; Apr. 15.
 Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Expansive reamer and drill. 1,756,524; Apr. 29.
 Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Rotary expansion underreamer. 1,774,763; Sept. 2.
 Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Expansive reamer. 1,774,764; Sept. 2.
 Santurello, Peter, Columbus, Ohio. Hair-curling apparatus. 1,760,320; May 27.
 Sanymetal Products Company. (See Carpenter, R. F., and Anderson, assignors.)
 Sapien, Abraham, assignor to Universal Stamping & Mfg. Co., Chicago, Ill. Film framer for motion-picture projectors. 1,780,945; Nov. 11.
 Sapp, James E., Bainbridge, Ga. Vending machine. 1,744,679; Jan. 21.
 Sappington, G. Ridgely, et al., trustees. (See Mas, George N., assignor.)
 Sarafian, Haig, New York, N. Y., assignor to Novelite, Inc. Display device. 1,754,242; Apr. 15.
 Sarason, David, Munich, Germany. Enema. 1,747,391; Feb. 18.
 Sarason, David, Munich, Germany. Strip of sticking plaster. 1,774,489; Aug. 26.
 Sarason, David, Munich, Germany. Apparatus for the hot treatment of parts of the body. 1,775,442; Sept. 9.
 Sarasone Screen Company. (See Harson, Chester A., assignor.)
 Sarazin, Robert, Neuilly-sur-Seine, France. Arc welding. 1,759,373; May 20.
 Sarchi, Pietro. (See Zambelli, R., Sarchi, and Magri.)
 Sarco Company. (See Smith, Herbert A., assignor.)
 Sardeson, Robert, and F. J. La Mere, assignors to Sardeson & La Mere Patents Holding Company, Ltd., Minneapolis, Minn., and Martinson Brothers & Osborn, Inc. Engine mounting for automotive vehicles. 1,751,100; Mar. 18.
 Sardeson, Robert, F. J. La Mere, and J. Corser, Minneapolis, Minn. Resilient engine mounted. 1,767,015; June 24.
 Sardeson & La Mere Patents Holding Company, et al. (See Sardeson, R., and La Mere, assignors.)
 Sargeant, Nathan E., Montesano, Wash. Trimming machine. 1,786,676; Dec. 30.
 Sargent, Allan C., Westford, Mass. Device for inspecting continuous picture films. 1,745,718; Feb. 4.
 Sargent, August, Challis, Idaho. Fish tongs. 1,767,898; June 24.
 Sargent, Charles E., Elgin, Ill. Wind motor. 1,744,924; Jan. 28.
 Sargent & Company. (See Brittingham, Elisha F., assignor.)
 Sargent & Company. (See Carlin, Joseph, assignor.)
 Sargent & Company. (See Kimball, Frank I., assignor.)
 Sargent & Company. (See Page, Harry B., assignor.)
 Sargent & Company. (See Phillips, Clayton L., assignor.)
 Sargent & Company. (See Shaw, John H., assignor.)
 Sargent & Company. (See Thomas, William N., assignor.)
 Sargent Engineering Corporation. (See Sargent, Sumner B., assignor.)
 Sargent, Frank P. (See Moore, R. G., and Sargent.)
 Sargent & Greenleaf, Inc. (See Hill, Reuben, assignor.)
 Sargent & Greenleaf, Inc. (See Hill, W. R., and Diesel, assignors.)
 Sargent, Lester G., Keene, N. H. Golf tee. Des. 82,059; Sept. 16.
 Sargent & Lundy, Incorporated. (See Monroe, W. S., and Sanderson, assignors.)
 Sargent & Lundy Incorporated. (See Wise, Irwin L., assignor.)
 Sargent, Sumner B., assignor to Sargent Engineering Corporation, Los Angeles, Calif. Pump jack. 1,742,486; Jan. 7.
 Sargent, Tom. (See Robinson, P. G., Foweraker, Beasley, and Sargent.)
 Sargent's, C. G., Sons Corporation. (See Furbush, Frank L., assignor.)
 Sargent's, C. J. Sons Corporation. (See Furbush, Frank L., assignor.)
 Sarjeant, Cyril J. (See Whitaker, F. P., and Sarjeant.)
 Sarkisian, Carapiet D., Ciudad, Jaurez, Mexico. Doorlock. 1,764,807; June 17.
 Sarkisian, Dickran M., Forest Hills, N. Y. Drapery support. 1,764,891; June 17.
 Sarotti Aktiengesellschaft. (See Horra, Wenzel, assignor.)

Sartakoff, J. D., Corporation, et al. (See Sartakoff, Jack D., assignor.)
 Sartakoff, Jack D., assignor of one-half to J. D. Sartakoff Corporation and one-half to Khetah Corporation, New York, N. Y. Liquid-level-indicating system. 1,757,061; May 6.
 Sartelle, James A., Lancaster, Mass. Automatic parking-light switch. 1,746,907; Feb. 11.
 Sartor, Richard, Wahlbach, near Burbach, Westphalia, Germany. Dough-kneading machine. 1,759,137; May 20.
 Sarver, Ray D., Minneapolis, Minn. Windshield-wiper element and construction. 1,786,457; Dec. 30.
 Sasaki, Masaichi, Lihue, Hawaii. Cane cutter. 1,756,664; Apr. 29.
 Sass, Friedrich, and M. Krauss, Charlottenburg, Germany assignors to General Electric Company. Internal-combustion engine. 1,742,971; Jan. 7.
 Sasse, Wilhelm, Spandau, Germany. Drilling tool. 1,746,716; Feb. 11.
 Sasser, Edward C., Washington, D. C. Shaving mug. 1,756,957; May 6.
 Sasser, Edward C., Washington, D. C. Tobacco pipe. 1,763,185; June 10.
 Sasser, Edward C., Washington, D. C. Safety razor. 1,785,652; Dec. 16.
 Sater, Lenore E., assignor to Iowa State College of Agricultural and Mechanical Arts, Ames, Iowa. Electric device for cooking food or the like. 1,754,574; Apr. 15.
 Sather, Jack, New England, N. Dak. Hat. 1,761,368; June 3.
 Satler, Louis L., Aspinwall, Pa., assignor to Allegheny Steel Company. Pickling alloys. 1,770,712; July 15.
 Sato, Ryuji, New York, N. Y. Hermetic tube closure. 1,761,236; June 3.
 Satow, Teikichi, Tokio, Japan. Forming a rapidly-vulcanizing composition. 1,745,768; Feb. 4.
 Satow, Teikichi, Tokyo, Japan. Lacquer composition. 1,754,243; Apr. 15.
 Satow, Teikichi, Tokyo, Japan. Preparing colloidal silver. 1,764,417; June 17.
 Satterlee, Percy, Detroit, Mich. Building construction. 1,779,713; Oct. 28.
 Satterthwaite, Joshua P., Westfield, N. J., and J. E. Dingman, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Measurement of echoes. 1,748,192; Feb. 25.
 Sattler, Carl, assignor to the firm Deutsche Edelstahlwerke Aktiengesellschaft, Krefeld, Germany. 1,773,793; Aug. 26.
 Sattler, Hans, Munich, Germany. Guide device for neckties. 1,767,899; June 24.
 Sauer, Hans. (See Lappe, F., Koch, Pier, and Sauer.)
 Sauer, Louis J., Oak Park, and C. H. Joy, jr., assignors to C. H. Joy, sr., Chicago, Ill. Forming bearings. 1,753,837; Apr. 8.
 Sauer, Johan N. A., deceased; H. A. P. M. Tervooren, representative, assignor to Naamlouze Vennootschap Algemeene Norit Maatschappij, Amsterdam, Netherlands. Apparatus for producing active carbon. 1,759,138; May 20.
 Sauer, Joseph, Hollis, N. Y. Folding table. 1,778,124; Oct. 14.
 Sauer, Julius, Karlshorst-Berlin, Germany, assignor to General Electric Company. Arc-welding apparatus. 1,770,808; July 15.
 Sauer, Louis B., Western Springs, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Distributor. 1,778,836; Oct. 21.
 Sauer, Theodor, Company. (See Sauer, Walter P., assignor.)
 Sauer, Walter P., Forest Hills, assignor to Theodor Sauer Company, New York, N. Y. Extension table. 1,750,968; Mar. 18.
 Sauer, Walter P., Forest Hills, assignor to Theodor Sauer Company, New York, N. Y. Extension table. 1,767,016; June 24.
 Sauerman, Ernest W., assignor to Transo Envelope Company, Chicago, Ill. Centering means for blank-cutting dies. 1,751,603; Mar. 25.
 Sauers, Henry. (See Briggs, A. L., and Sauers.)
 Saugman, Hartvig P., Glendale, Calif. Beverage display. 1,760,887; June 3.
 Saul, Siegfried, Aachen, Germany. Air valve for inflating hollow bodies. 1,758,625; May 13.
 Saul, Siegfried, Aachen, Germany. Filling tube for inflatable bodies. 1,762,893; June 10.
 Sauls, John M., Pampa, Tex. Fishing tool. 1,745,274; Jan. 28.
 Sauls, John M., Seminole, Okla. Fishing tool. 1,754,696; Apr. 15.
 Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Teapot or similar article. Des. 81,109; May 6.
 Saunders, Ira C., Oilmont, Mont. Wrench. 1,771,692; July 29.
 Saunders, John B., and J. Kranig, Park Falls, Wis. Window structure. 1,754,122; Apr. 8.
 Saunders, Kenneth H. (See Mendoza, M., and Saunders.)
 Saunders, Kenneth H., assignor to British Dyestuffs Corporation Limited, Manchester, England. Azo dyes derived from aminosulphones. 1,766,946; June 24.
 Saunders, Kenneth H., assignor to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of new azo dyestuffs. 1,766,947; June 24.

- Saunders, Kenneth H., assignor to British Dyestuffs Corporation Limited, Manchester, England. Intermediate derived from aminosulphones. 1,766,951; June 24.
- Saunders, Kenneth H., Manchester, assignor to British Dyestuffs Corporation Limited, Manchester, England. Intermediate derived from aminosulphones. 1,766,952; June 24.
- Saunders, Norman H., Homewood, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone trunking system. 1,756,214; Apr. 29.
- Saunders, Norman H., Homewood, Ill., assignor, to Reserve Holding Company, Kansas City, Mo. Telephone-switching system. 1,759,869; May 27.
- Saunders, Norman H., Homewood, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Connector switch. 1,762,700; June 10.
- Saunders, Norman H., Homewood, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Party-line telephone system. 1,765,619; June 24.
- Saunders, Norman H., Homewood, assignor to Reserve Holding Company, Chicago, Ill. Telephone system. 1,772,690; Aug. 12.
- Saunders, Norman H., Homewood, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,778,230; Oct. 14.
- Saunders, Norman H., Homewood, C. E. Lomax, Oak Park, and T. C. Riebe, Chicago, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Telephone-station equipment. 1,783,310; Dec. 2.
- Saunders, Philip K., Benoni, Transvaal, South Africa. Valve, cock, or the like. 1,772,292; Aug. 5.
- Saunier, Pierre P., assignor to Virginia Toy and Novelty Manufacturing Company, Inc., Richmond, Va. Toy railway system. 1,779,148; Oct. 21.
- Saurman, Atlee B., Pittsburgh, J. B. Webb, Wilkinsburg, Pa., and L. D. Beach, Longview, Wash., assignors, by mesne assignments, to General Cable Corporation. Joint structure for electrical conductors. 1,769,967; July 8.
- Sause, Richard, New York, N. Y. Coin-controlled radio-receiver. 1,745,506; Feb. 4.
- Sause, Richard, New York, N. Y. Coin-controlled timing device for electrically-actuated refrigerators and like machines. 1,762,354; June 10.
- Sausser S. A. (See Wylder, Hermann, assignor.)
- Sausmikat, Ewald. (See Hensel, R., and Sausmikat.)
- Saussard, Louis, Paris, France. Pump. 1,744,805; Jan. 28.
- Sautai, Pierre E. M. J., Amiens, France. Automatically-variable-speed fan for motor cars. 1,764,054; June 17.
- Sautter, Hosea F., Fort Worth, Tex. Packing for rods and shafts. 1,787,020; Dec. 30.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Hand brake. 1,743,981; Jan. 14.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Hand brake. 1,753,133; Apr. 1.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,764,228; June 17.
- Sauvage, William H., assignor, by mesne assignments, to Gould Coupler Company, New York, N. Y. Slack adjuster. 1,787,123; Dec. 30.
- Sauvage, Stanley, Chicago, Ill. Heat distributor or plate. 1,782,699; Nov. 25.
- Sauveur, Albert, Cambridge, Mass., assignor to The American Rolling Mill Company, Middletown, Ohio. Iron-carbon alloy. 1,745,645; Feb. 4.
- Sauveur, Harry, Hanover, Germany. Preventing leakage. 1,750,818; Mar. 18.
- Sauveur, Harry, Hannover-Wulfel, Germany. Regulator for controlling fluid pressure in submerged machines. 1,753,625; Apr. 8.
- Sauzedde, Claude, Detroit, Mich. Wheel-brake mechanism. 1,771,010; July 22.
- Sauzedde, Claude, Detroit, Mich. Wheel-brake mechanism. 1,771,011; July 22.
- Savage Arms Corporation. (See Russell, Frederick T., assignor.)
- Savage, Arthur, Knoxville, assignor to Ty-Sa-Man Machine Company, Knoxville, Tenn. Slab-cutting machine. 1,772,818; Aug. 12.
- Savage, David P., Sydney, New South Wales, Australia. Internal-combustion engine. 1,764,530; June 17.
- Savage-De Remer Corporation. (See Warner, Lawrence E., assignor.)
- Savage, John C. (See Randall, C. E., and Thompson, assignors.)
- Savage, John C., London, England. Apparatus for disseminated material in finely-divided or powdrous form. 1,787,397; Dec. 30.
- Savage, John L. (See McClellan, L. N., Kinzie, Savage, and Day.)
- Savage, Linnaeus T., East Orange, N. J. Toy climbing tractor. Des. 81,352; June 10.
- Savage, Lowell E., Arlie, Tex. Two-row lister cultivator. 1,744,579; Jan. 21.
- Savage, Paris L., Bisbee, Ariz., and W. Rhodes, Long Beach, Calif.; said Rhodes assignor to J. Valdin, Bisbee, Ariz. Hammer drill. 1,768,216; June 24.
- Savage, Paul M. (See Harshaw, W. J., Savage, and Bezenberger.)
- Savageau, Fred L., Denver, Colo., assignor to Independence Coffee and Spice Company. Bag closure and support. 1,785,498; Dec. 16.
- Saviano, Nicola F., Brooklyn, assignor to C. C. Orcutt, New York, N. Y. Cork-feeding machine. 1,773,867; Aug. 26.
- Saviano, Nicola F., Brooklyn, assignor to C. C. Orcutt, New York, N. Y. Bottle-corking machine. 1,773,868; Aug. 26.
- Saviano, Nicola F., Brooklyn, assignor to C. C. Orcutt, New York, N. Y. Bottle-conveying machine. 1,777,654; Oct. 7.
- Saviano, Nicola F., Brooklyn, assignor to C. C. Orcutt, New York, N. Y. Bottle-feeding mechanism. 1,777,655; Oct. 7.
- Savidge, Albert C., Indianapolis, Ind. Valve-seat reamer. 1,764,184; June 17.
- Saville, Jay D., Spokane, Wash. Delivery-vehicle shelf system. 1,778,277; Oct. 14.
- Savino, Camillo, City Island, N. Y. Bottle closure. 1,783,207; Nov. 25.
- Savitt, Benjamin M., Minneapolis, Minn. Cleaning furs, fabrics, and the like. 1,747,324; Feb. 18.
- Savitzky, Abraham. (See Offerman, L., Blanshaft, and Savitzky.)
- Savonius, Sigurd J., Helsingfors, Finland. Wind rotor. 1,766,765; June 24.
- Savoy, Lloyd M., Houston, Tex. Condiment shaker. 1,742,562; Jan. 7.
- Savoie, Charles U., Hackensack, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater. 1,782,585; Nov. 25.
- Savutime Devices, Inc. (See Hunt, George C., assignor.)
- Savy, Emile L. A., Paris, France. Chocolate-coating apparatus. 1,775,475; Sept. 9.
- Savy, Robert, Courbevoie, France, G. R. Baker, and W. E. Prescott, London, England, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Plant for molding creams and the like. 1,781,345; Nov. 11.
- Sawbrook Steel Castings Company, The. (See Sawtelle, Elmer S., assignor.)
- Sawford, Frank. (See Dike, T. W., and Sawford.)
- Sawford, Frank, jr. (See Sawford, Frank, assignor.)
- Sawford, Frank, jr. (See Sawford, Frank and F., jr.)
- Sawford, Frank, assignor of one-half to F. Sawford, jr., Vancouver, British Columbia, Canada. Apparatus for determining the density of smoke. 1,785,393; Dec. 16.
- Sawford, Frank and F., jr., Vancouver, British Columbia, Canada. Device for indicating and recording the quality of smoke. 1,785,392; Dec. 16.
- Sawin, George A., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,745,868; Feb. 4.
- Sawin, Lester M., assignor to General Nut Company, Chicago, Ill. Box for nuts, confectionery, and the like. Des. 82,181; Sept. 30.
- Sawtelle, Edmund M. (See Solberg, J. C., Langenberg, and Sawtelle.)
- Sawtelle, Elmer S., Cincinnati, assignor to The Sawbrook Steel Castings Company, Lockland, Ohio. Method and apparatus for casting metal. 1,752,280; Mar. 25.
- Sawyer, Albert F., assignor to I. L. Keith, Haverhill, Mass. Refrigerating system. 1,746,406; Feb. 11.
- Sawyer, Albert F., assignor to I. L. Keith, Haverhill, Mass. Combined refrigerating tank and ice-cream freezer. 1,767,857; June 24.
- Sawyer, Arthur E., Amboise, France. Gasoline tank for motor vehicles. 1,742,972; Jan. 7.
- Sawyer, Charles B., Cleveland Heights, assignor to The Brush Laboratories Company, Cleveland, Ohio. Thermostat cartridge. 1,764,087; June 17.
- Sawyer, Charles B., Cleveland Heights, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Cutting sections of piezo crystals. 1,764,088; June 17.
- Sawyer, Charles B., assignor to The Brush Laboratories Company, Cleveland, Ohio. Flow meter. 1,766,148; June 24.
- Sawyer, Charles B., assignor to The Brush Laboratories Company, Cleveland, Ohio. Flow meter. 1,766,149; June 24.
- Sawyer, David P., assignor to Economy Products Corporation, Cleveland, Ohio. Can-opening apparatus. 1,751,251; Mar. 18.
- Sawyer, Frederick T., Trustee. (See Berger, Christian, assignor.)
- Sawyer, Gregory E., Independence, Kans. Sucker-rod elevator. 1,755,134; Apr. 15.
- Sawyer, Gregory E., and J. W. Smith, Independence, Kans. Lead-wood and ground-cork packing. 1,761,749; June 3.
- Sawyer, Harold L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Device for softening stiffeners for boots and shoes. 1,783,587; Dec. 2.
- Sawyer, Henry A., administrator. (See Hancock, Harry H.)
- Sawyer, Howard H., Portland, Oreg. Trap. 1,765,941; June 24.
- Sawyer, Luvisa, Denver, Colo. Air cushion for bedpans. 1,772,783; Aug. 12.
- Sawyer, Robert T., Columbus, Ohio. Stringed musical instrument. 1,747,650; Feb. 18.
- Sawyer, Wilfred D., Long Beach, Calif., assignor of one-half to N. E. Reynolds, Greeley, Colo. Method and means to pump oil with fluids. 1,758,376; May 13.
- Sawyer, Wilfred D., Long Beach, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Interchangeable draw-works gift. 1,786,089; Dec. 23.

- Sawyer, William K., assignor to Morgan & Wright, Detroit, Mich. Breaker fabric and preparing the same. 1,756,069; Apr. 29.
- Saxton, Frank L., Pontiac, Mich. Babbitting machine. 1,769,394; July 1.
- Saxton, John N., Bucyrus, Ohio, assignor to The Grease-Rite Corporation, Chicago, Ill. Grease gun. 1,751,660; Mar. 25.
- Sayers, Fred, Yonkers, N. Y. Building block. 1,785,499; Dec. 16.
- Sayford, Howard A., Vineland, N. J. Test tube or bottle cap and manufacturing the same. 1,747,030; Feb. 11.
- Sayles, Ray. (See Stevens, W. E., assignor, and Jay.)
- Saylor, Frank D., Detroit, Mich. Safety device for looms. 1,775,325; Sept. 9.
- Saylor, William P., Pittsburgh, Pa. Fastener. 1,782,275; Nov. 18.
- Sayre, Gordon B., Syracuse, N. Y. Submerged circuit controller. 1,744,508; Jan. 21.
- Sayres, Clinton, and D. C. Peabody, Philadelphia, Pa., assignor to The J. G. Brill Company. Load-regulating means. 1,783,142; Nov. 25.
- Sbrolla, John, Atlantic City, N. J. Swimming glove. 1,773,440; Aug. 19.
- Scafe, Lincoln R. (See De Long, Robert B., assignor.)
- Scaglia, Gregorio, Turin, Italy. Safety device for projectiles, grenades, and the like. 1,776,705; Sept. 23.
- Scaglia, Gregorio, Turin, assignor to Società Italiana Ernesto Breda, Milan, Italy. Bomb. 1,744,713; Jan. 21.
- Scaglia, Gregorio, Turin, assignor to Società Italiana Ernesto Breda, Milan, Italy. Impact ignition device. 1,749,720; Mar. 4.
- Scaffe, Wm. B., & Sons Co. (See Duden, Emil G., assignor.)
- Scala, Mary. (See Floechini, John B., assignor.)
- ScalPELLI, Sylvester, assignor to The Coil Spring Bumper Company, Joliet, Ill. Bumper. 1,776,165; Sept. 16.
- Scammell China Co. (See Ellis, George, assignor.)
- Scandia Manufacturing Company. (See Nordquist, H. G., and Bronander, assignors.)
- Scanlan, Bart E., Omaha, Nebr. Rotary brush. 1,774,067; Aug. 26.
- Scanlon, John A., Pittsburgh, Pa. Golf game. 1,771,466; July 29.
- Scaramuzza, Giovanni B., La Ceiba, Honduras, Central America. Extension ladder. 1,748,799; Feb. 25.
- Scarborough, Harry E., Chicago, Ill., assignor to General Electric Company. Metal-melting pot. 1,745,120; Jan. 28.
- Scarpa, Nunzio, New York, N. Y. Safety device for elevators. 1,780,568; Nov. 4.
- Scarpin, Fiorenzo. (See Manzolini, E., Capobianco, and Scarponi.)
- Scarr, Agnes H., Atlantic, Iowa. Clothespin. 1,784,252; Dec. 9.
- Scarritt, Elwood W. (See Partridge, E. M., and Scarritt.)
- Scartsaris, James P., Cleveland, Ohio. Butter cutter. 1,747,392; Feb. 18.
- Scavone, Eugene, et al. (See Trippeda, C. S., and Dichiaro, assignors.)
- Seelzi, John B., Hopewell, Va. Ash receiver. Des. 82,521; Nov. 11.
- Scene-In-Action Corporation. (See Sabath, Albert, assignor.)
- Schaab, Harry M. (See Proctor, R. V., and Schaab.)
- Schaaf, Charles, Chicago, Ill. Thumb and finger warmer. 1,751,365; Mar. 18.
- Schaaf, Edward. (See Fortune, J. A., and Whitson, assignors.)
- Schaaf, Oscar G., and F. W. Christiansen, Seattle, Wash., assignors, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,747,680; Feb. 18.
- Schaaff, John T., Washington, D. C., assignor to The Tabulating Machine Company, New York, N. Y. Punching device. 1,763,067; June 10.
- Schaaff, John T., Washington, D. C., assignor to The Tabulating Machine Company, Endicott, N. Y. Ribbon mechanism. 1,763,068; June 10.
- Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Current collector. 1,747,489; Feb. 18.
- Schaal, Norbert J., Seattle, Wash., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Nesting can bodies. 1,755,666; Apr. 22.
- Schaal, Norbert J., Seattle, Wash., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Solder horn. 1,767,900; June 24.
- Schaap, Walter P., St. Louis, Mo. Can opener. 1,764,648; June 17.
- Schabarum, Bruno R., assignor to The National Supply Company, Toledo, Ohio. Gas-lift pump. 1,777,680; Oct. 7.
- Schabloski, Frank, Bovina, N. Y. Auxiliary bay-loader attachment. 1,773,122; Aug. 19.
- Schachat, Abraham B., New York, assignor to N. Statham, Irvington-on-Hudson, N. Y. Slide-operable fastening device. 1,763,186; June 10.
- Schacht, G. A., Motor Truck Company, The. (See Schacht, Gustave A., assignor.)
- Schacht, Gustave A., assignor to The G. A. Schacht Motor Truck Company, Cincinnati, Ohio. Brake. 1,758,012; May 13.
- Schacht, William A. (See Jacobson, Moses, assignor.)
- Schachtel, Otto, Chicago, Ill. Machine and method for bending metals. 1,774,490; Aug. 26.
- Schachter, Joseph W., Brooklyn, N. Y. Teapot. 1,785,878; Dec. 23.
- Schack, Alfred, Dusseldorf, and M. Wenzl, Oberhausen, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemenstadt, near Berlin, Germany. Flow pyrometer. 1,746,012; Feb. 4.
- Schade, Floyd L., St. Louis, Mo. Mold for edible articles. 1,773,603; Aug. 19.
- Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Clip for book backs. 1,754,908; Apr. 15.
- Schade, John, Holyoke, Mass., assignor to National Blank Book Co., with F. B., E. S., J. M. Towne, and F. W. Wilson as trustees. Visible-index book. 1,742,827; Jan. 7.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf book. 1,761,589; June 3.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf book. 1,777,328; Oct. 7.
- Schade, Paul. (See Kurda, K., and Schade.)
- Schade, Paul F., assignor to Chemieprodukte G. m. b. H., Berlin, Germany. Protecting metal bodies from corrosive agencies. 1,777,107; Sept. 30.
- Schadt, John A. (See Roberts, Samuel J., assignor.)
- Schaefer, Adolph O., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Toilet-paste-tube compressor. 1,783,101; Nov. 25.
- Schaefer, Bernard, Cincinnati, Ohio. Table lighting fixture. Des. 82,451; Nov. 4.
- Schaefer, Edward C. F., York, Pa. Manure spreader. 1,769,715; July 1.
- Schaefer, Eugene. (See White, C. B., and Schaefer.)
- Schaefer & Fiedelmeier. (See Johannssen, Ernst, assignor.)
- Schaefer, Frank M., Chicago, Ill., assignor to American Utensil Company. Separator. 1,750,764; Mar. 18.
- Schaefer, Frederic, Pittsburgh, Pa. Attachment of brake levers to connecting rods. 1,751,661; Mar. 25.
- Schaefer, Frederic, Pittsburgh, Pa. Brake lever. 1,769,756; July 1.
- Schaefer, George W., South Braintree, Mass., assignor to Addressograph Company, Chicago, Ill. Index tab. 1,757,338; May 6.
- Schaefer, John H., Grosse Pointe, Mich. Clock case. Des. 82,452; Nov. 4.
- Schaefer, Josef, Frankfurt-on-the-Main-Bockenheim, assignor, by mesne assignments, to Miag Mühlenbau und Industrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Apparatus for grinding grain into crushed malt and the like. 1,749,925; Mar. 11.
- Schaefer, Josef, Dortmund, Germany. Washer. 1,759,282; May 20.
- Schaefer, Leo, New York, N. Y. Frame wallet. 1,766,953; June 24.
- Schaefer, Wilhelm, and W. Pohl, Dresden-A., assignors to Keramische Industrie-Bedarfs Aktiengesellschaft, Dresden, Germany. Process and apparatus for heating coal and other like furnaces. 1,747,846; Feb. 18.
- Schaeffer, Charles, assignor to Société Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Piston for internal-combustion engines. 1,756,884; Apr. 29.
- Schaeffer, Charles, assignor to Société Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Speed-changing mechanism. 1,762,080; June 3.
- Schaeffer, Georges. (See Kahn, M., Le Breton, and Schaeffer.)
- Schaeffer, Jacob H., Brooklyn, N. Y. Finger ring. Des. 82,705; Dec. 2.
- Schaeffer, John, assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Grain drill. 1,751,951; Mar. 25.
- Schaeffer, Max, Co. (See Parlato, Peter, assignor.)
- Schaeffers, Joseph, assignor to The Wichita Blue Streak Motors Company, Wichita, Kans. Internal-combustion engine. 1,777,487; Oct. 7.
- Schaer, Charles, Langenthal, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Internal-combustion engine. 1,752,031; Mar. 25.
- Schaer, Charles, Langenthal, assignor to the firm Sulzer Freres Société Anonyme, Winterthur, Switzerland. High-pressure piston or reciprocating compressor. 1,757,782; May 6.
- Schaer, Charles, Langenthal, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Bore-hole pump. 1,758,175; May 13.
- Schaer, Charles, Langenthal, assignor to the firm of Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Steam trap. 1,759,066; May 20.
- Schaer, Charles, Langenthal, assignor, to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. High-pressure piston or reciprocating compressor or the like. 1,760,213; May 27.
- Schaer, Charles, Langenthal, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. High-pressure reciprocating-piston compressor. 1,767,404; June 24.
- Schaer, Charles, Langenthal, assignor to the firm Sulzer Freres Société Anonyme, Winterhaven, Switzerland. High-pressure compressor. 1,768,791; July 1.

- Schaer, Charles, Langenthal, assignor to the firm of Sulzer Frères Société Anonyme, Winterthur, Switzerland. High-pressure reciprocating compressor. 1,782,975; Nov. 25.
- Schaer, Otto A., Lusane, Switzerland. Aeroplane control. 1,774,568; Sept. 2.
- Schaerer, Otto, Cologne-on-the-Rhine, assignor to the firm A. H. Schütte, Cologne-Deutz, Germany. Screw-cutting lathe and like turning engine. 1,775,737; Sept. 16.
- Schäfer, Emanuel, assignor of one-half to E. Flechtheim, Dusseldorf, Germany. Internal-combustion engine. 1,776,843; Sept. 30.
- Schafer, John V., assignor to Bronson Reel Company, Bronson, Mich. Card holder. 1,756,885; Apr. 29.
- Schafer, John V., assignor to Bronson Reel Company, Bronson, Mich. Reel. 1,761,750; June 3.
- Schäfer, Richard, and A. Meier, Berlin, Germany. Tire interliner. 1,779,014; Oct. 21.
- Schafer, Robert A. (See Galloway, R. M., and Schafer.)
- Schaffer, Ernest C., et al. (See Biette, Henry C., assignor.)
- Schaffer, Isidor M., Brooklyn, N. Y., assignor to Max Schaffer Co., Inc. Globe for lighting fixtures. Des. 80,914; Apr. 8.
- Schaffer, Jacob M., Washington, D. C. Disinfectant and antiseptic product. 1,745,507; Feb. 4.
- Schaffer, Jacob M., Washington, D. C. Antiseptic and germicidal product. 1,745,508; Feb. 4.
- Schaffer, John C., Pittsburgh, Pa., assignor to American Pine Products Corp., Reno, Nev. Distilling resinous woods. 1,757,144; May 6.
- Schaffer, Max, Co. (See Schaffer, Isidor M., assignor.)
- Schaffer, Walter, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Circuit arrangement for telephone or signaling systems with tube senders. 1,748,561; Feb. 25.
- Schaffer, Walter, Berlin, assignor, to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation circuit. 1,760,285; May 27.
- Schaffer, Walter, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Method and arrangement for diminishing noise in vacuum tubes. 1,765,542; June 24.
- Schaffer, Walter, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Coupling arrangement for frequency changers. 1,780,542; Nov. 4.
- Schaffert, Adolf H., assignor to Truscon Steel Company, Youngstown, Ohio. Window structure. 1,758,893; May 13.
- Schaffert, Adolf H., assignor to Truscon Steel Company, Youngstown, Ohio. Window structure. 1,758,894; May 13.
- Schaffert, Adolf H., assignor to Truscon Steel Company, Youngstown, Ohio. Roofing structure. 1,777,228; Sept. 30.
- Schaffner-Glössl, Konrad, Vienna, Austria. Manufacturing low-tension bridge fuses. 1,777,916; Oct. 7.
- Schaffner, John W., Oak Park, Ill. Belt construction. 1,773,321; Aug. 19.
- Schaffner, Karl, Nuremberg, assignor to the firm Vereinigte Schuhfabriken Berneis-Wessels A. G., Augsburg-Oberhausen, Germany. Baby's shoe. Des. 80,809; Mar. 25.
- Schaffner, Rome A., St. Paul, Minn. Apparatus for sterilizing cereals with ultra-violet rays. 1,768,635; July 1.
- Schafraan, Isaac, assignor of one-fourth to J. Snarck, New York, N. Y., and one-fourth to J. F. O'Brien, Englewood, N. J. Pump. 1,750,969; Mar. 18.
- Schalk, Jacob R. (See Parsons, Sylvanus H. H., assignor.)
- Schaller, John L., Wellesley, Mass. Temporary pipe support. 1,750,819; Mar. 18.
- Schaller, Otto, Berlin-Sudende, and F. Schröter, Berlin-Schmargendorf, Germany, assignors to Safety Car Heating & Lighting Company. Gaseous conduction lamp. 1,749,610; Mar. 4.
- Schaller, William F., Alameda, Calif., assignor, to M. W. Hendrich, New York, N. Y. Oil burner. 1,760,007; May 27.
- Schallis, Charles A., Ernestville, Lincoln Park, and C. W. Dann, East Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Coffee maker or like article. Des. 82,208; Sept. 30.
- Schallreutter, Walter. (See Skaupy, F., Ewest, Pulfrich, and Schallreutter.)
- Schamberg, George, assignor to Buffalo Co-Operative Stove Co., Buffalo, N. Y. Hinge. 1,748,733; Feb. 25.
- Schampel, Royal, Chicago, Ill. Mop holder. 1,742,937; Jan. 7.
- Schanbacher, Orville L., Mansfield, Pa. Windshield heater. 1,778,278; Oct. 14.
- Schandua, Emil J., and H. Reichenau, Fredericksburg, Tex. Blowfly trap. 1,762,668; June 10.
- Schane, Edward H., assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Apparatus for forming metallic retaining members. 1,758,470; May 13.
- Schane, Edward H., assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Awning bracket. 1,759,715; May 20.
- Schane, Edward H., assignor to The Fanner Mfg. Co., Cleveland, Ohio. Intermediate awning bracket. 1,765,451; June 24.
- Schane, Edward H., assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Awning support. 1,765,452; June 24.
- Schank, Adolf, and O. Bittel, Ottweiler, Germany. Automatic stop gear for lift cages. 1,773,869; Aug. 26.
- Schano, Peter, Union City, N. J. Foldable copy stand for portable typewriters. 1,784,253; Dec. 9.
- Schantz, Gordon M., Allentown, Pa., assignor, to International Motor Company, New York, N. Y. Door-operating mechanism. 1,760,528; May 27.
- Schanz, George H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Extruding machine. 1,751,844; Mar. 25.
- Schaper, George F., and J. A. Schmitz, Burbank, Calif. Saw rig. 1,762,798; June 10.
- Schaper, Harry C., assignor to Schaper Scale Company, St. Louis, Mo. Weighing scale. 1,743,163; Jan. 14.
- Schaper, Harry C., assignor to Schaper Scale Company, St. Louis, Mo. Scale bearing. 1,764,649; June 17.
- Schaper Scale Company. (See Schaper, Harry C., assignor.)
- Schapiro, Simon, New York, N. Y. Two-sided window-cleaning device. 1,753,947; Apr. 8.
- Schappi, Daniel. (See Hyde, R. E., and Schappi.)
- Scharer, Arnold O., assignor to The Bishop & Babcock Company, Cleveland, Ohio. Making metallic bellows. 1,745,585; Feb. 4.
- Schärer, Carl, Zurich, Switzerland. Cuff button. 1,769,549; July 1.
- Scharf, Jacob S., New York, N. Y. Garment hanger. 1,753,667; Apr. 8.
- Scharf, Joachim B., Chicago, Ill. Combined smoker's and reader's stand. Des. 81,554; July 8.
- Scharff, Adrian C., East Haven, assignor to The G and O Manufacturing Company, New Haven, Conn. Ash receiver. 1,777,770; Oct. 7.
- Scharffenberg, Jean H., assignor to J. H. Stewart, Lynn, Mass. Counter-molding apparatus. 1,755,900; Apr. 22.
- Scharowsky, Günther. (See Baudisch, K., and Scharowsky.)
- Scharpenberg, Charles C., Bakersfield, assignor to Standard Oil Company of California, San Francisco Calif. Sand-flinging bearing for well drills. 1,778,731; Oct. 21.
- Scharpenberg, Charles C., Bakersfield, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Drilling apparatus. 1,786,173; Dec. 23.
- Scharpenberg, Henry A., Bakersfield, Calif. Transporting petroleum products. 1,762,423; June 10.
- Scharpf, Arthur W., La Crosse, Wis. Vulcanizer. 1,754,575; Apr. 15.
- Schars, Alphonse J., Bordeaux, France. Centrifugal diffusing apparatus for spreading products for the maintenance of roadways. 1,751,531; Mar. 25.
- Schat, Ane P., Wassenaar, near The Hague, Netherlands. Handling lifeboats. 1,747,795; Feb. 18.
- Schatz, Desiderius, Zittau, Germany. Device for mechanically determining and indicating the degree of usage of a mechanism. 1,780,603; Nov. 4.
- Schatz, Rudolph, Philadelphia, Pa. Combined weight cash box and advertising device for unattended news stands. 1,746,013; Feb. 4.
- Schatz, William A., Long Island, N. Y. Faucet. 1,761,089; June 3.
- Schatz, William A., Astoria, N. Y. Dispenser. 1,781,035; Nov. 11.
- Schaub, Edward J., assignor to Central Glass Works, Wheeling, W. Va. Goblet or similar article. Des. 80,747; Mar. 18.
- Schaub, Edward J., assignor to Central Glass Works, Wheeling, W. Va. Glass goblet or similar article. Des. 80,810; Mar. 25.
- Schaub, Edward J., assignor to Central Glass Works, Wheeling, W. Va. Glass goblet or similar article. Des. 82,910; Dec. 23.
- Schaub, Jacob, Westfield, N. J., assignor to Best Foods, Inc., New York, N. Y. Coloring material for oleomargarine, butter, and the like. 1,783,154; Nov. 25.
- Schauberger, Viktor, Purkersdorf, near Vienna, Austria. Method and apparatus for assorting timber. 1,775,871; Sept. 16.
- Schauly, Georges, Nantes, France. Miner's safety lamp indicating the amount of fire damp in the air. 1,744,416; Jan. 21.
- Schaum, Carl, Wyncote, assignor to Fletcher Works, Philadelphia, Pa. Support for centrifugals. 1,753,722; Apr. 8.
- Schaum, Carl, Germantown, assignor, to Fletcher Works, Incorporated, Philadelphia, Pa. Centrifugal. 1,760,286; May 27.
- Schaum, Carl, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Compensating device for looms. 1,768,934; July 1.
- Schaum, Fletcher, assignor to Fletcher Works, Philadelphia, Pa. Automatic machine-control mechanism. 1,751,532; Mar. 25.
- Schaum, Fletcher, assignor to Fletcher Works, Philadelphia, Pa. Hydroextractor. 1,766,310; June 24.
- Schaum, Fletcher, assignor to Fletcher Works, Philadelphia, Pa. Automatic control mechanism. 1,767,901; June 24.
- Schauman, Bror M. (See Schauman, Frank and B. M.)
- Schauman, Bror M., assignor of one-half to M. W. Cantwell, New York, N. Y. Liquid heater. 1,747,184; Feb. 18.
- Schauman, Bror M., Highlands, N. J., assignor, by mesne assignments, to Thord-Gray Holding Corporation, New York, N. Y. Aircraft. 1,758,377; May 13.

- Schauman, Frank, assignor to Automatic Anchor-Control Corporation, New York, N. Y. Anchor weighing and casting mechanism. 1,744,057; Jan. 21.
- Schauman, Frank and B. M., assignors to Automatic Anchor-Control Corporation, New York, N. Y. Anchor davit. 1,749,193; Mar. 4.
- Schauman, Karl O., New York, N. Y., assignor to W. H. Avery, San Francisco, Calif. Vehicle control means. 1,758,854; May 13.
- Schauman, Karl O. and L. M., New York, N. Y.; said Karl O. Schauman assignor to said L. M. Schauman. Window guard. 1,762,424; June 10.
- Schauman, Lucy M. (See Schauman, Karl O. and L. M.)
- Schaumann, Alfred, Berlin-Friedenau, Germany. Body armor. 1,758,296; May 13.
- Schaumann, Bruno A., assignor to F. J. Garvens, Milwaukee, Wis. Hydrocarbon burner. 1,746,969; Feb. 11.
- Schaumann, Otto. (See Ludwig, W., and Schaumann.)
- Schaun, Erich. (See Brecht, W., and Schaun.)
- Schaup, William T., Swissvale, Pa. Nozzle for metal-pouring ladles. 1,747,530; Feb. 18.
- Schauseil, Albert P. (See Bullock, E. W., Schauseil, Draeske, Galloway, and Hill.)
- Schauss, Adolf F., Oberursel, near Frankfurt-on-the-Main, Germany. Typewriter. 1,768,155; June 24.
- Schavoir, Frederick H., Stamford, Conn., assignor to Schavolite Golf Corporation, New York, N. Y. Head for golf and similar clubs. 1,768,792; July 1.
- Schavolite Golf Corporation. (See Schavoir, Frederick H., assignor.)
- Schawrow, Morris, Bayonne, N. J. Threadless coupling. 1,784,393; Dec. 9.
- Schecker, Henry F., Brooklyn, N. Y., assignor to Aerovox Wireless Corporation. Electrical condenser and making the same. Re17,605; Feb. 25.
- Scheckler, Gordon F., Stockton, Calif. Dirt spreader for ditching machines. 1,767,017; June 24.
- Scheele, Edwin H., New York, N. Y., assignor to Westfield River Paper Company, Inc., Russell, Mass. Embossed glassine paper. Des. 82,111; Sept. 23.
- Scheele, Edwin H., New York, N. Y., assignor to Westfield River Paper Company, Inc., Russell, Mass. Embossed glassine paper. Des. 82,627; Nov. 25.
- Scheeler, John C., assignor to Buffalo Wire Works Co., Inc., Buffalo, N. Y. Coupling for fence posts. 1,749,000; Mar. 4.
- Scheeler, John C., assignor to Buffalo Wire Works Co., Inc., Buffalo, N. Y. Coupling for fence posts and the like. 1,749,001; Mar. 4.
- Scheeler, John C., assignor to Buffalo Wire Works Co., Inc., Buffalo, N. Y. Screen mounting. 1,763,371; June 10.
- Scheer, Charles, Silverton, Colo. Attachment for pipe stems. 1,753,095; Apr. 1.
- Scheibe, Otto, Maquoketa, Iowa. Toy windmill. Des. 82,587; Nov. 18.
- Scheibel, Charles, assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill. Radio tuning mechanism. 1,782,368; Nov. 18.
- Scheibner, Aaron B., Audubon, N. J. Ornament for Christmas-tree garden. 1,773,824; Aug. 26.
- Scheibner, Emil, Paterson, N. J. Permutation padlock. 1,773,204; Aug. 19.
- Scheidegger, Fred, Monroe, Wis. Device for lifting invalids. 1,760,443; May 27.
- Scheidemandel, Hans, Munich, Germany. Device for the manufacture of doweled wooden boards. 1,780,721; Nov. 4.
- Scheinberg, Isidore. (See Cline, H. P., Scheinberg, and Watson.)
- Scheining, George, Morning Sun, Iowa. Crutch. 1,769,167; July 1.
- Scheiwer, Albert T., Erie, Pa. Curved-blade barber clippers. 1,780,276; Nov. 4.
- Scheler, Armin, assignor to Ideal Lighting Novelty Co., New York, N. Y. Lighting-fixture brace. Des. 81,464; June 24.
- Schell, Charles, assignor to Schell Leather Goods Company, Cincinnati, Ohio. Brief case. Des. 82,349; Oct. 21.
- Schell Leather Goods Company. (See Schell, Charles, assignor.)
- Schellberg, Oscar B., New York, N. Y. Bracket for supporting liquid containers. 1,745,509; Feb. 4.
- Schellberg, Oscar B., New York, N. Y. Apparatus for practice of duodenal drainage. 1,749,089; Mar. 4.
- Schelleng, John C. (See Oswald, A. A., and Schelleng.)
- Schelleng, John C., Millburn, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Signaling system. 1,768,269; June 24.
- Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Tube mounting. 1,768,297; June 24.
- Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Tube socket. 1,768,298; June 24.
- Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Resistance strip. 1,771,236; July 22.
- Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Tube socket. 1,781,957; Nov. 18.
- Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Automatic plug. 1,781,958; Nov. 18.
- Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Rheostat. 1,781,959; Nov. 18.
- Schellens, Christopher A., Marblehead, Mass., and E. L. Schellens, Maplewood, assignors to C-S Engineering Company, Jersey City, N. J. Superheater. 1,787,021; Dec. 30.
- Schellens, Eugene L. (See Schellens, C. A. and E. L.)
- Schellens, Eugene L., Millburn, assignor to C-S Engineering Company, Jersey City, N. J. Railway track. 1,747,185; Feb. 18.
- Schellens, Eugene L., Pointe Claire, Quebec, Canada, assignor to Franklin Railway Supply Company. Power-amplifying machine. 1,753,870; Apr. 8.
- Schellens, Eugene L., Pointe Claire, Quebec, Canada, and J. S. Coffin, jr., Lisbon, N. H., assignors, by mesne assignments, to C-S Engineering Company. Locomotive front end. 1,753,905; Apr. 8.
- Schellens, Eugene L., Pointe Claire, Quebec, Canada, and J. S. Coffin, jr., Lisbon, N. H., assignors, by mesne assignments, to C-S Engineering Company. Locomotive draft appliance. 1,753,906; Apr. 8.
- Schellentrager, Eugene W., Shaker Heights, Ohio. Coke-plant machinery. 1,769,236; July 1.
- Schellentrager, Eugene W., assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Door-locking mechanism for coke-quenching cars. 1,755,077; Apr. 15.
- Schellentrager, Eugene W., Cleveland Heights, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Weighing indicator. 1,755,078; Apr. 15.
- Schellentrager, Eugene W., Shaker Heights, assignor to The Atlas Bolt & Screw Co., Cleveland, Ohio. Battery box. 1,756,703; Apr. 29.
- Schellentrager, Eugene W., Cleveland Heights, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Automatic recording means for dump cars. 1,762,196; June 10.
- Schellentrager, Eugene W., Cleveland Heights, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Automatic recording means for dump cars. 1,787,287; Dec. 30.
- Schellentrager, Eugene W., Shaker Heights, and B. E. Clarkson, assignors to Atlas Bolt & Screw Company, Cleveland, Ohio. Battery-handling apparatus. 1,764,354; June 17.
- Schellentrager, Eugene W., Shaker Heights, and B. E. Clarkson, assignors to Atlas Bolt & Screw Company, Cleveland, Ohio. Battery-handling method. 1,764,355; June 17.
- Schellin, John C., Wooster, Ohio. Shut-off hose nozzle. 1,746,609; Feb. 11.
- Schellin, John C., Wooster, Ohio. Hose-coupling adapter. 1,761,157; June 3.
- Scheminger, John, Jr., Providence, R. I., assignor, by mesne assignments, to Petroleum Heat and Power Company, New York, N. Y. Safety device for liquid-fuel burners. 1,745,062; Jan. 28.
- Schemmel, Robert C., Union City, Ind. Ornamental conductor for electric wires. Re17,691; June 3.
- Schemmel, Robert C., Union City, Ind. Finishing welt. 1,743,624; Jan. 14.
- Schemmel, Robert C., Union City, Ind. Gasket. 1,765,884; June 24.
- Schenck, Charles, Bethlehem, Pa., assignor to Bethlehem Steel Company. Clutch. 1,775,832; Sept. 16.
- Schenck, John F., sr. (See Wright, W. C., and Schenck.)
- Schenck, Le Roy C., Moline, Ill., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Ironing machine. 1,763,190; June 10.
- Schenck, Le Roy C., East Moline, Ill., assignor, by mesne assignments, to Troy Laundry Machinery Company, Inc., Dover, Del. Handle construction. 1,765,775; June 24.
- Schenk, Tamis C., Brooklyn, N. Y. Nut and bolt assembling machine. 1,766,003; June 24.
- Schenk, Rudolf, Vienna, Austria, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,767,943; June 24.
- Schenkein, Samuel M. (See Gray, A. E. N., and Schenkein.)
- Schenkel, Moritz, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Corona elimination in dynamo-electric machines. 1,784,997; Dec. 16.
- Schenker, Max, Schonenward, Switzerland. Machining materials. 1,771,192; July 22.
- Schenker, Walter, assignor to the firm: Sulzer Frères Société Anonyme, Winterthur, Switzerland. Cylinder for internal-combustion engines. 1,762,425; June 10.
- Schenuit, Frank G., Baltimore, Md. Tire. 1,754,836; Apr. 15.
- Scheppmann, Wilhelm, Berlin-Tempelhof, Germany. Short-wave tube transmitter. 1,747,797; Feb. 18.
- Scheppmann, Wilhelm, assignor to C. Lorenz Aktien-gesellschaft, Berlin-Tempelhof, Germany. Scanning device. 1,763,482; June 10.
- Scheppmann, Wilhelm, Berlin-Tempelhof, and A. Eulen-höfer, Königswusterhausen, near Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Apparatus for speed regulation of rotating bodies. 1,749,304; Mar. 4.
- Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Lighting fixture. 1,783,311; Dec. 2.
- Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Lighting fixture. 1,786,962; Dec. 30.

- Schepss, Wilhelm. (See Kahn, M., Schepss, and Zeh.)
 Schepss, Wilhelm. (See Lieske, R., and Schepss.)
 Schepss, Wilhelm, Leverkusen-on-the-Rhine, E. Tietze, Cologne-on-the-Rhine, and A. Ossenbeck, Cologne Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Mothproof material and making same. 1,757,222; May 6.
 Scher, Louis, Cleveland, Ohio. Ticket-delivery mechanism. 1,750,196; Mar. 11.
 Scherer, John R., Detroit, Mich., assignor to The Abbey-Scherer Company. Rear door for vehicle bodies. 1,753,907; Apr. 8.
 Scherf, Arno R., San Jose, Calif. Rifle. 1,777,771; Oct. 7.
 Schering-Kahlbaum Aktiengesellschaft. (See R  th, Curt, assignor.)
 Schering-Kahlbaum A.-G. (See Schoeller, W., and Allardt, assignors.)
 Schering-Kahlbaum A.-G. (See Schoeller, W., Jordan, and Clerc, assignors.)
 Schering-Kahlbaum A. G. (See Schultz, Wolfgang M., assignor.)
 Schering-Kahlbaum Aktiengesellschaft. (See Stephen, K., and Ulfers, assignors.)
 Schering-Kahlbaum Aktiengesellschaft. (See Ulfers, Fritz, assignor.)
 Scherm, Hans, jr., Eschenbach, Germany. Machine for driving in and pulling out nails. 1,765,885; June 24.
 Schermerhorn, Edwards F., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Insulated rail joint. 1,769,651; July 1.
 Schermerhorn, Edwards F., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Compensating bushing for rail joints. 1,775,573; Sept. 9.
 Schermerhorn, George D., Reading, Mich. Folding chair. 1,760,008; May 27.
 Schermerhorn, George D., Reading, Mich. Folding chair. 1,765,942; June 24.
 Schermuly, Joseph, Wichita, Kans. Ridge-leveling machine. 1,746,872; Feb. 11.
 Scherner, John, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Mold breaker. 1,762,836; June 10.
 Scherotto, John J., Union City, N. J., assignor to Snyder & Black, Incorporated, New York, N. Y. Package-display device. 1,752,655; Apr. 1.
 Schertel, Ludwig, and W. L  ty, assignors to the firm Th. Goldschmidt A.-G., Essen, Germany. Obtaining lead oxide in a state of high dispersion. 1,749,781; Mar. 11.
 Schertz, Charles B., Cedar City, Utah. Rotary road drag. 1,747,955; Feb. 18.
 Scherubel, Erwin F. (See Taylor, H. F., Scherubel, and Phelps.)
 Scherz, Louis, Wilkes-Barre, Pa. Direction signal for motor vehicles. 1,765,100; June 17.
 Schettl, Louis J., Manitowoc, Wis. Animal feeder. 1,755,337; Apr. 22.
 Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Splitting machine. 1,749,891; Mar. 11.
 Schettler, Gustav A., Leeds, England, assignor, to The Turner Tanning Machinery Company, Portland, Me. Machine for operating on hides, skins, and leather. 1,759,871; May 27.
 Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Leather measuring and marking machine. 1,762,355; June 10.
 Schettler, Gustav A., Bramley, Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Oreg. Measuring machine. 1,778,202; Oct. 14.
 Scheu Manufacturing Company. (See Nutt, H. G., and Bartholomew, assignors.)
 Scheuch, William A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustic diaphragm. 1,759,632; May 20.
 Scheuchzer, Auguste, Lausanne, Switzerland. Railway-track ballast-cleaning machine. 1,778,690; Oct. 14.
 Scheuchzer, Auguste, Renens, Switzerland. Device for shunting vehicles off a main line of track. 1,782,941; Nov. 25.
 Scheuer, Jacob H., New York, assignor to Herman Scheuer's Son & Co., Long Island City, N. Y. Wallet. 1,787,054; Dec. 30.
 Scheuer's, Herman, Son & Co. (See Scheuer, Jacob H., Schey, Max, Brooklyn, N. Y. Range. 1,747,325; Feb. 18.
 Scheyer, Heinz. (See Kallischer, G., and Scheyer.)
 Scheyer, Heinz. (See Kallischer, G., Scheyer, and Keller.)
 Scheyer, Heinz. (See Kallischer, G., Scheyer, Nawlsky, and Krauch.)
 Scheyer, Heinz, Rio de Janeiro, Brazil, assignor to General Aniline Works, Inc., New York, N. Y. Compound of the pyrazolanthrone series and making same. 1,781,248; Nov. 11.
 Schiano, Salvatore, Brooklyn, N. Y. Perfume-vending machine. 1,764,693; June 17.
 Schibler, Joseph, Canton, assignor to W. W. Billings, Rocky River, Ohio. Electrically-energized spring motors. 1,776,706; Sept. 23.
 Schibsted, Helge. (See Merrell, I. S., and Schibsted.)
 Schick, Harry C., Inc. (See Grassmann, Edward C., assignor.)
 Schick, Jacob, Stamford, Conn. Shaving machine. 1,747,031; Feb. 11.
 Schick, Jacob, Stamford, Conn. Shaving machine. 1,757,978; May 13.
 Schick, Jacob, East Orange, N. J., assignor to Magazine Repeating Razor Company. Safety razor. 1,756,439; Apr. 29.
 Schick, Jacob, East Orange, N. J., assignor to Magazine Repeating Razor Company. Shaving unit. 1,767,705; June 24.
 Schick, Jacob, Stamford, Conn., assignor to Magazine Repeating Razor Company. Safety razor. 1,767,706; June 24.
 Schick, Jacob, Stamford, Conn., assignor to Magazine Repeating Razor Company. Combined sales package and razor. 1,767,707; June 24.
 Schickler, Albert C., assignor to E. E. Allyne, Cleveland, Ohio. Refrigerating system. 1,754,967; Apr. 15.
 Schickler, Albert C., assignor to E. E. Allyne, Cleveland, Ohio. Liquid trap for refrigerating systems. 1,762,197; June 10.
 Schidrowitz, Philip, London, England, assignor of one-half to J. B. Crockett, Cambridge, Mass. Treating case-in and product of said method. 1,754,651; Apr. 15.
 Schiebeler, Carl, Berlin, Germany, assignor to General Electric Company. Electric motor control for reversing operations. 1,755,079; Apr. 15.
 Schiebuhr, Friedrich, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Drive for paper machines. 1,784,545; Dec. 9.
 Schieferstein, Georg H., Berlin-Charlottenburg, Germany. Power transmission. 1,757,392; May 6.
 Schieferstein, Georg H., Berlin-Charlottenburg, Germany. Supervising railroads. 1,771,449; July 29.
 Schield, Oscar, Medford, Wis. Mullion center. 1,770,809; July 15.
 Schieldrop, Bjarne H., assignor to Blaw Knox Company, Pittsburgh, Pa. Method and apparatus for projecting loose material. 1,750,864; Mar. 18.
 Schiele, Frederick, Niles, Mich. Cut-out valve. 1,783,628; Dec. 2.
 Schiemann, Frank, New York, N. Y. Collapsible boat. 1,774,336; Aug. 26.
 Schier, Johann. (See von Hofe, C., Petschenig, and Schier.)
 Schierenbeck, John, Albany, N. Y. Submarine salvaging apparatus. 1,765,101; June 17.
 Schierer, Jacob. (See Messer, Abraham, assignor.)
 Schierghofer, Fred, Mount Vernon, N. Y. Window-closing device. 1,752,854; Apr. 1.
 Schiff, Benjamin A. (See Fox, Earle D., assignor.)
 Schiff, Edmund. (See Wilder, F. L., Morris, Schiff, and King.)
 Schiff, Sigmund, assignor to The J. H. Day Company, Cincinnati, Ohio. Cake mixer. 1,761,237; June 3.
 Schiff, Sigmund, assignor to The J. H. Day Company, Cincinnati, Ohio. Process and apparatus for dividing plastics. 1,784,113; Dec. 9.
 Schiff, Sigmund, assignor to The J. H. Day Company, Cincinnati, Ohio. Differential-speed agitator drive. 1,785,562; Dec. 16.
 Schiff, Sigmund, assignor to The J. H. Day Company, Cincinnati, Ohio. Egg whip and the like. 1,785,563; Dec. 16.
 Schiffman, Karl. (See Schulz, W., Frischke, and Schiffmann.)
 Schifter, John, New York, N. Y. Outlet strainer. 1,746,683; Feb. 11.
 Schigyo, Iwane, Yokohama, Japan, assignor to General Electric Company. Alternating current commutator motor. 1,773,633; Aug. 19.
 Schild, Theodor, Grenchen, Switzerland. Pocket lighting device. 1,749,782; Mar. 11.
 Schiller, Morris, St. Louis, Mo. Sanitary portable water-closet. 1,777,108; Sept. 30.
 Schilling, John M., Lima, Ohio. Bottle cooler. 1,751,558; Mar. 25.
 Schilling, John M., Lima, Ohio. Bottle cooler. 1,766,547; June 24.
 Schilling, Louis F., deceased, Salem, Ohio., R. Schilling, administratrix. Folding bed. 1,763,447; June 10.
 Schilling, Ray, administratrix. (See Schilling, Louis F.)
 Schilpp, Helen, Eustis, Nebr. Stocking hanger. 1,750,905; Mar. 18.
 Schiltz, Bernard P., Cleveland, Ohio. Flexible driving connection for tool holders. 1,782,633; Nov. 25.
 Schimanek, Emil, assignor to the firm Hermes Magyar Altalanos, Valtouzlet Reszvenytarsasag, Budapest, Hungary. Carburetor. 1,778,868; Oct. 21.
 Schimmel, Abraham A., Brookline, Mass. Slip cover. 1,753,668; Apr. 8.
 Schimmel, Abraham A., Brookline, Mass. Slip cover. 1,753,669; Apr. 8.
 Schimmel, Fridolin, Faribault, Minn. Apparatus for dipping table legs and other objects in finishing liquids. 1,747,681; Feb. 18.
 Schimmel, Lloyd G., Los Angeles, Calif., assignor to Perfection Faucet Mfg. Corporation. Faucet. 1,753,535; Apr. 8.
 Schimpf, Robert. (See Br  ckel, W., and Schimpf.)
 Schimpf, Robert, Berlin-Schlachtensee, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Arc-ground suppressor. 1,784,682; Dec. 9.
 Schindler, Bruno H. (See Deasy, John A., assignor.)
 Schindler, Carl. (See Taylor, C. B., and Schindler.)

- Schindler, Christian E., Barnesville, Minn. Dispensing spout. 1,779,049; Oct. 21.
- Schinscholl, Erich, Cincinnati, Ohio. Egg carton. 1,759,716; May 20.
- Schipper, Alexander C., Hamilton, Ohio. Boat. 1,766,360; June 24.
- Schippers, Francis J., Brooklyn, N. Y. Game. 1,760,287; May 27.
- Schirmacher, Karl. (See Mayer, F., Billig, Horst, and Schirmacher.)
- Schirmacher, Karl, Höchst-on-the-Main, and H. Schlichenmaier, and W. Kross, Bad-Soden, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Tetrahydronaphthostyrls and preparing the same. 1,742,322; Jan. 7.
- Schirmacher, Karl, and K. Eishold, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff. 1,755,667; Apr. 22.
- Schirmacher, Karl, and W. Schirmacher, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing diazosulphamic acids. 1,750,057; Mar. 11.
- Schirmacher, Werner. (See Schirmacher, Karl and W.)
- Schirmer, August H., Newark, N. J., assignor to American Telephone and Telegraph Company. Electrical protective device. 1,759,023; May 20.
- Schiske, Hubert, Munich, Germany. Carbureter. 1,744,580; Jan. 21.
- Schissler, William P., Milwaukee, Wis. Vise. 1,757,548; May 6.
- Schjolin, Eric O., Birmingham, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Frame construction. 1,756,913; Apr. 29.
- Schjolin, Eric O., Birmingham, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Reversed-flow water-cooled engine. 1,761,935; June 3.
- Schjolin, Eric O., Birmingham, assignor, by mesne assignments, to Yellow Truck & Coach Manufacturing Co., Pontiac, Mich. Spring suspension. 1,768,494; June 24.
- Schjolin, Eric O., Birmingham, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Radiator. 1,783,928; Dec. 2.
- Schlacht, Herman, New York, N. Y. Watch holder. Des. 81,731; July 29.
- Schlacks, Henry J., Chicago, Ill. Window. 1,765,543; June 24.
- Schlacks, William J., Chicago, Ill. Locomotive-piston-rod crosshead connection. 1,767,484; June 24.
- Schlacks, William J., Chicago, Ill., and C. B. Faverty, Hammond, Ind., assignors to Ryan Mfg. Corporation, Chicago, Ill. Road grader. 1,769,716; July 1.
- Schlaegel, Daniel H., Wadena, Minn. Detachable battery terminal. 1,754,053; Apr. 8.
- Schlaepfer, Hans A. (See Bornand, E., and Schlaepfer.)
- Schlaf, Arthur H. (See Lewis, J. D., Jones, and Schlaf.)
- Schlafhorst, W., & Co. (See Reiners, W., and Kahlisch, assignors.)
- Schlage Lock Company. (See Schlage, Walter R., assignor.)
- Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Front-door handle plate. Des. 80,748; Mar. 18.
- Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 1,751,101; Mar. 18.
- Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Closet-door latch. 1,751,102; Mar. 18.
- Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Latch-face-plate mounting. 1,759,374; May 20.
- Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Split spindle for door latches. 1,759,375; May 20.
- Schlageter, Frederick, and F. Maletsky, Paterson, N. J. Paint stirring and mixing device. 1,747,032; Feb. 11.
- Schlagheck, Joseph, Toledo, Ohio. Fish-bowl standard. Des. 80,395; Jan. 21.
- Schlaich, Herman, Brooklyn, N. Y. Introducing temperature-responsive elements into engine-cooling systems. 1,745,063; Jan. 28.
- Schlaich, Herman, Elmhurst, N. Y. Illuminated indicating instrument. 1,743,401; Jan. 14.
- Schlaich, Herman, Elmhurst, N. Y. Indicating device. 1,761,751; June 3.
- Schlaich, Herman, Elmhurst, N. Y. Attaching capillary tubes to bulbs. 1,771,194; July 22.
- Schlaich, Herman, Frankfort-on-the-Main, Germany. Indicator for distance-type thermometers. 1,757,949; May 6.
- Schlaich, Herman, Long Island City, N. Y. Temperature-responsive element. 1,771,193; July 22.
- Schlaich, Herman, Long Island City, N. Y. Indicating mechanism. 1,772,568; Aug. 12.
- Schlaich, Herman, Long Island City, N. Y. Indicating device. 1,773,756; Aug. 26.
- Schlaich, Herman, Long Island City, N. Y. Indicating instrument switch. 1,779,294; Oct. 21.
- Schlaich, Herman, Long Island City, N. Y. Mounting for temperature-responsive elements. 1,784,756; Dec. 9.
- Schlaich, Herman, Long Island City, N. Y. Temperature indicator for transformers and the like. 1,787,327; Dec. 30.
- Schlatter, Eugene R., Little Falls, N. J., assignor to Dip-It Inc., New York, N. Y. Nonaqueous dye bath. 1,754,285; Apr. 15.
- Schlayer, Felix, Madrid, Spain. Axial thrashing and straw-reducing machine. 1,744,144; Jan. 21.
- Schlayer, Felix, Madrid, Spain. Thrashing machine. 1,744,334; Jan. 21.
- Schlayer, Felix, Madrid, Spain. Axial thrashing and straw-reducing machine. 1,744,335; Jan. 21.
- Schlayer, Felix, Madrid, Spain. Axial thrashing and straw-reducing machine. 1,744,336; Jan. 21.
- Schlayer, Felix, Madrid, Spain. Axial thrashing machine. 1,776,396; Sept. 23.
- Schlecht, Leo, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetone. 1,755,193; Apr. 22.
- Schlee, Adam J., et al. (See Frick, William C., assignor.)
- Schlegel, Charles P., assignor to The Schlegel Manufacturing Co., Rochester, N. Y. Grip strap. Des. 80,396; Jan. 21.
- Schlegel, Charles P., assignor to The Schlegel Manufacturing Co., Rochester, N. Y. Tassel. Des. 80,397; Jan. 21.
- Schlegel, Charles P., assignor to The Schlegel Manufacturing Co., Rochester, N. Y. Grip strap. Des. 80,398; Jan. 21.
- Schlegel, Charles P., assignor to The Schlegel Manufacturing Co., Rochester, N. Y. Shade tassel. Des. 80,399; Jan. 21.
- Schlegel, Charles P., assignor to Schlegel Mfg. Company, Rochester, N. Y. Gun swab. 1,766,192; June 24.
- Schlegel, Charles P., assignor to Schlegel Mfg. Company, Rochester, N. Y. Grip strap or toggle. 1,781,478; Nov. 11.
- Schlegel Mfg. Company. (See Schlegel, Charles P., assignor.)
- Schlegel, Ronald M., and A. H. Bowlzer, jr., Los Angeles, Calif., assignors, by mesne assignments, to Kimball-Krogh Pump Company. Nonreverse mechanism for rotary pumps. 1,778,341; Oct. 14.
- Schleicher Corporation, The. (See Schleicher, Frederick L., assignor.)
- Schleicher, Edward G., Mount Vernon, N. Y. Stabilizing device for aeroplanes. 1,786,266; Dec. 23.
- Schleicher, Frank J., St. Louis, Mo. Box. Des. 80,811; Mar. 25.
- Schleicher, Frank J., St. Louis, Mo. Box lid. Des. 82,708; Dec. 2.
- Schleicher, Frank J., University City, Mo. Box. Des. 81,893; Aug. 26.
- Schleicher, Frank J., University City, Mo. Box. 1,772,878; Aug. 12.
- Schleicher, Franz. (See Schwaebel, G., and Schleicher.)
- Schleicher, Frederick L., St. Louis, Mo., assignor to The Schleicher Corporation, Wilmington, Del. Machine for descaling boilers. 1,757,745; May 6.
- Schleicher, George, New York, N. Y. Beater. 1,762,081; June 3.
- Schleicher, Henry M., Monterey, Mexico, assignor to American Metal Company, Ltd., New York, N. Y. Separating tin compounds from solutions. 1,742,284; Jan. 7.
- Schleicher, Henry M., Monterey, Mex. Autoclave and operating same. 1,757,592; May 6.
- Schleicher, John C., New York, N. Y. Amphibian plane. 1,768,863; July 1.
- Schleicher, John C., Bronx, N. Y. Sea float. 1,770,044; July 8.
- Schleicher, Manfred, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric switch. 1,746,363; Feb. 11.
- Schleicher, Manfred, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, Germany. Apparatus for controlling and indicating earth leakages in alternating-current lines. 1,784,546; Dec. 9.
- Schleicher, Manfred, Berlin-Charlottenburg, D. Albrecht, Berlin, W. Gaarz and G. Keinath, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin and Elsewhere, Germany. Apparatus for measuring earth resistances. 1,775,502; Sept. 9.
- Schleicher, Manfred, Berlin-Charlottenburg, and P. Cario, Berlin-Grünwald, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Relay. 1,782,100; Nov. 18.
- Schleicher, Manfred, and W. Liesegang, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. System for the regulation of machines. 1,774,673; Sept. 2.
- Schleicher, Martin, Fremont, Nebr. Lawn-trimming attachment. 1,770,434; July 15.
- Schleifer, Wilhelm, Vienna, Austria. Rider for registration cards. 1,758,334; May 13.
- Schleiffers, Ernest H., Montreal, Quebec, Canada. Sound distributor. 1,757,145; May 6.
- Schleitzer, John, Rochester, N. Y. Tool for removing caps from jars. 1,750,820; Mar. 18.
- Schlemmer, Walter P., Fufts, Ill. Power take-off rack. 1,770,253; July 8.
- Schlemper, Carl, Ohligs, Germany. Pile wire and making the same. 1,748,522; Feb. 25.
- Schlenker, Paul, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Electrical resistance furnace. 1,745,915; Feb. 4.
- Schlenker, Vesper A., Orange, N. J. Sound reproducer. 1,771,318; July 22.

- Schlenker, Vesper A., Orange, N. J. Acoustic diaphragm. 1,787,055; Dec. 30.
- Schlenker, Vesper A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacturing acoustic radiators. 1,747,847; Feb. 18.
- Schlesinger, Carl, assignor to Pollak Manufacturing Company, Arlington, N. J. Cowl construction. 1,757,783; May 6.
- Schlesinger, Eugen, Berlin-Schöneberg, Germany. Photographic copying apparatus. 1,745,956; Feb. 4.
- Schlesinger, Harry, Des Moines, Iowa. Fire-extinguishing valve system. 1,747,393; Feb. 18.
- Schlesinger, Harry, Des Moines, Iowa. Plait-holding apparatus. 1,764,808; June 17.
- Schletter, Richard E., Philadelphia, assignor by mesne assignments, to Textile Machine Works, Wyomissing, Pa. Attachment for flat-knitting machines. 1,752,206; Mar. 25.
- Schleusner, Henry, Garner, Iowa. Aerofoil. 1,767,944; June 24.
- Schlew, Arthur A. (See Clarke, B. E., and Schlew.)
- Schleyer, Victor, Anderson, Ind. Turbo pump. 1,787,088; Dec. 30.
- Schlichenmaier, Hans. (See Schirmacher, K., Schlichenmaier, and Kross.)
- Schlichter, Henry G., Fitchburg, Mass. Expansion and contraction switch. 1,761,456; June 3.
- Schlick, Albert, Borna B/Leipzig, Germany. Turntable or revolving show stand for shop windows and the like. 1,768,217; June 24.
- Schliephake, Otto. (See Griessbach, R., and Schliephake.)
- Schliephake, Otto. (See Griessbach, R., Schliephake, and Heuser.)
- Schlinck, Julius, and G. Münchmeyer, Hamburg, Germany. Manufacture of hornlike material. 1,753,626; Apr. 8.
- Schlitt, Joseph L. (See Van Nuys, C. C., and Schlitt.)
- Schlitters, Michael J., Jr., and S. Imerman, Detroit, Mich. Tool-retaining device. 1,784,911; Dec. 16.
- Schlitz, Edward A., Milwaukee, Wis. Cuff. 1,774,069; Aug. 26.
- Schlitz, Thomas, Brooklyn, N. Y. Triple piano. 1,747,459; Feb. 18.
- Schloemann Aktiengesellschaft. (See Gassen, Josef, assignor.)
- Schloemann Aktiengesellschaft. (See Löwy, Ludwig, assignor.)
- Schloerb, Edwin W., San Diego, Calif. Lubricant heat-dissipating means. 1,761,686; June 3.
- Schlossberg, Sallie A., Henrietta, Tex. Bread box. Des. 81,157; May 13.
- Schlossberg, Samuel, New York, N. Y. Imitation braided button. 1,751,763; Mar. 25.
- Schlossberger, Hermann A., Buenos Aires, Argentina. Toilet-paper-distributing apparatus. 1,763,259; June 10.
- Schlosser, Friedrich, Höchst-on-the-Main, and M. Paquin, Koenigstein-in-Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Refining the raw oil of turpentine. 1,755,668; Apr. 22.
- Schlosser, John J., Frankfurt, Ind. Brick-wrapping machine. 1,749,548; Mar. 4.
- Schlossfabrik-Aktiengesellschaft vorm. Wilh. Schulte. (See Münch, Heinrich, assignor.)
- Schlotter, Georg A., Dresden, Germany, assignor of ten per cent to R. Suezek, New York, N. Y. Pump or the like. 1,785,460; Dec. 16.
- Schlotz, Elmer E., Denver, Colo. Illusion apparatus. 1,764,356; June 17.
- Schlotzhauer, Walter S., Douglas, Ariz. Wind motor. 1,754,698; Apr. 15.
- Schloz, Arthur H. (See Dorman, N. W., Schloz, and Hatch.)
- Schluchter, Alfred W., Dearborn, assignor to General Motors Research Corporation, Detroit, Mich. Rust-proofing iron or steel. 1,761,936; June 3.
- Schluecke, Erich, et al. (See Boyd, Martin, assignor.)
- Schlumbohm, Peter, Berlin, Germany. Bidet. 1,779,753; Oct. 28.
- Schlumpf, Jacques, Horcheim, near Coblenz, Germany. Device for subdividing liquid containers. 1,758,335; May 13.
- Schlüssler, Alfred, Berlin-Neukolin, Germany. Safety razor. 1,765,805; June 24.
- Schluter, Henry J., assignor to J. C. Deagan, Inc., Chicago, Ill. Lever mechanism. 1,771,467; July 29.
- Schmalz, Charles H., Kennett Square, Pa. Glass-gob cutter. 1,747,087; Feb. 11.
- Schmalz, Charles H., assignor to Rotex Valve Company, Philadelphia, Pa. Fluid-flow-controlling valve. 1,742,828; Jan. 7.
- Schmalzgruber, Sebastian, Bloomfield, Conn. Cabinet. 1,779,218; Oct. 21.
- Schmuck, Herbert P., assignor to Philadelphia Toboggan Company, Philadelphia, Pa. Track construction. 1,755,030; Apr. 15.
- Schmeichel, Julius M., Pittsburgh, Pa. Suspenders. 1,776,707; Sept. 23.
- Schmeisser, Hugo, Suhl, Germany. Air pistol. 1,761,993; June 3.
- Schmelz, Ernst M., Detroit, Mich. Aircraft-launching apparatus. 1,749,357; Mar. 4.
- Schmelzer, Albert. (See Ballauf, F., Muth, and Schmelzer.)
- Schmerler, Joseph J., New York, N. Y. Combined opener and closure for paper milk containers. 1,785,599; Dec. 16.
- Schmick, Hans, Greifswald, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Determining a constituent in a mixture of substances. 1,758,088; May 13.
- Schmick, Henry J., Louisville, Ky. Power driving unit. 1,781,083; Nov. 11.
- Schmicking, Edward H., New York, N. Y. Print-drying machine. 1,776,571; Sept. 23.
- Schmid, Albert P. (See Kranz, P., and Schmid.)
- Schmid, Alfred, Vienna, Austria. Ceiling construction. 1,785,050; Dec. 16.
- Schmid, Anton, assignor to Bosch Aktiengesellschaft, Stuttgart, Germany. Commutator. 1,757,393; May 6.
- Schmid, Anton, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Friction clutch. 1,777,937; Oct. 7.
- Schmid, August W., Connerville, Ind. Pull-tight molding. 1,764,531; June 17.
- Schmid, Emil, Washington, D. C. Heat-exchange device for food liquids. 1,750,730; Mar. 18.
- Schmid, Emil, Washington, D. C. Ornamental treatment of wood. 1,758,336; May 13.
- Schmid, Ferdinand A. F., Rosemary, N. C., assignor to Draper Corporation, Hopedale, Mass. Filling-replenishing loom. 1,785,227; Dec. 16.
- Schmid, Max, Nuremberg, Germany. Paper carriage for typewriting machines. 1,750,363; Mar. 11.
- Schmid, Max, Nuremberg, Germany. Feed device for the carriage of typewriting machines. 1,753,134; Apr. 1.
- Schmid, Walter. (See Bürgin, E., and Schmid.)
- Schmid, Werner, Rumlang, Switzerland. Unraveling machine for horsehair, grass wrack, and the like. 1,768,376; June 24.
- Schmidling, Gilbert T., assignor to A. J. Carter, Chicago, Ill. Television apparatus. 1,765,453; June 24.
- Schmidt, Adalbert, Osterode, Germany. Chaff cutter. 1,773,499; Aug. 19.
- Schmidt, Albert B., and L. A. James, Independence, Kans. Dishwashing machine. 1,760,779; May 27.
- Schmidt, Albert H. W., assignor of one-half to A. Walder, Minneapolis, Minn. Heating and ventilating system. 1,779,714; Oct. 28.
- Schmidt, Albrecht, Frankfurt-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Liquid for producing low temperatures for cooling purposes. 1,777,183; Sept. 30.
- Schmidt, Albrecht, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Tanning agent. 1,780,983; Nov. 11.
- Schmidt, Alfred, Weehawken, N. J. Cell-finishing machine. 1,780,982; Nov. 11.
- Schmidt, Alois. (See Jones, L. L., Schmidt and Jones.)
- Schmidt, Arno. (See Kucharzik, A., and Schmidt.)
- Schmidt, Arthur A., and H. F. Kollé, Milwaukee, Wis. Container cover. 1,776,599; Sept. 23.
- Schmidt, Arthur L., Baldwin Park, Calif. Grass-cutting device. 1,765,288; June 17.
- Schmidt, August F., St. Petersburg, Fla. Carton-discharging device. 1,752,352; Apr. 1.
- Schmidt, August H. (See Strehle, Julius, assignor.)
- Schmidt, Benjamin F., Los Angeles, Calif. Gear-shift-lever construction. 1,743,241; Jan. 14.
- Schmidt, Benjamin F., Los Angeles, Calif. Brake-actuating mechanism. 1,778,610; Oct. 14.
- Schmidt, Carl A., Brooklyn, N. Y. Securing means for hookless fasteners for receptacles. 1,759,283; May 20.
- Schmidt, Carl A., New York, N. Y. Locking means for hookless fasteners for receptacles. 1,759,284; May 20.
- Schmidt, Carl E., & Company. (See Toole, John P., assignor.)
- Schmidt, Carl G. A., Jr., assignor to American Road Machinery Company, Inc., Kennett Square, Pa. Rock crusher. 1,774,159; Aug. 26.
- Schmidt, Carl J., Inc. (See Kurkjian, Yervant H., assignor.)
- Schmidt, Carlos A., Oakland, Calif. Vehicle bumper. 1,771,319; July 22.
- Schmidt, Charles W., New York, N. Y. Cabinet. 1,748,849; Feb. 25.
- Schmidt, Clarence C., Reynoldsburg, and J. L. Richter, Bexley, Ohio. Hydraulic-brake mechanism. 1,784,547; Dec. 9.
- Schmidt, Edmund, Berlin-Tempelhof, assignor to the firm Autom-Spezial-Maschinen G. m. b. H., Berlin, Germany. Apparatus for capping and paraffining the carbon rods of the dollies of electric dry batteries. 1,780,139; Oct. 28.
- Schmidt, Edward P. (See Olson, C. T., and Schmidt.)
- Schmidt, Edwin T., Lancaster, Pa. Seam cutter. 1,776,046; Sept. 16.
- Schmidt, Elisabeth. (See Stinson, B., Schmidt, and Milovich.)
- Schmidt, Emil M. (See Ransome, A. E., and Schmidt.)
- Schmidt, Ernest H., Mankato, Minn. Mechanical movement and toy. 1,787,174; Dec. 30.
- Schmidt, Ernst, Dantzic-Langfuhr, and E. Dyckerhoff, Schloss Blumenau, near Wunstorf, Germany. Heat insulation. 1,757,479; May 6.
- Schmidt, Frank W., Jackson, assignor to General Motors Corporation, Detroit, Mich. Demountable rim and its cooperating felly. 1,749,358; Mar. 4.
- Schmidt, Fred W., and W. B. Thornton, Philadelphia, Pa. Exhaust nozzle. 1,774,948; Sept. 2.
- Schmidt, Frederick E., New York, N. Y. Brush. 1,770,344; July 8.

- Schmidt, Friedrich K., Speldorf, Muelheim-on-the-Ruhr, Germany. Apparatus for preventing the passing of danger signals. 1,783,857; Dec. 2.
- Schmidt, Friedrich W., Berlin-Mariendorf, Germany. Rail-machining device. 1,759,325; May 20.
- Schmidt, Georg J., Sweibrücken, Germany. Valve. 1,758,471; May 13.
- Schmidt, George G., Forest Hills, N. Y., assignor to Carrier Engineering Corporation, Newark, N. J. Preventing condensation of moisture from flue gases. 1,773,870; Aug. 26.
- Schmidt, Gustav E., Chicago, Ill. Tubular support for skate runners and process. 1,747,682; Feb. 18.
- Schmidt, Gustav E., Chicago, Ill. Skate-runner support and making same. 1,750,689; Mar. 18.
- Schmidt, Gustav E., Chicago, Ill. Tubular support for skate runners and process. 1,750,690; Mar. 18.
- Schmidt, Gustav E., Chicago, Ill. Tubular support for skate runners and process. 1,750,691; Mar. 18.
- Schmidt, Gustave F., Hollywood, Calif. Gas generator and distributor. 1,754,773; Apr. 15.
- Schmidt, Hans, Vohwinkel, near Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Formaldehyde bisulphite amino-aryl antimony compounds. 1,766,361; June 24.
- Schmidt, Hellmuth. (See Rohrmann, A., and Schmidt.)
- Schmidt, Henri. (See Hénocque, V. A., and Schmidt.)
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pump. Re17,648; Apr. 22.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pump. 1,747,848; Feb. 18.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Power plant. 1,751,604; Mar. 25.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic-fluid turbine. 1,756,958; May 6.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Liquid-fuel burner. 1,762,356; June 10.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid-pressure governor. 1,762,357; June 10.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Propeller-type blower. 1,762,358; June 10.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Blower. 1,762,359; June 10.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thrust bearing. 1,762,360; June 10.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine blade. 1,762,361; June 10.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Blower. 1,778,041; Oct. 14.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Discharge louver. 1,785,228; Dec. 16.
- Schmidt, Henry G., American Fork City, Utah. Antifreezing liquid. 1,772,618; Aug. 12.
- Schmidt, James K., Trenton, N. J., assignor to New Jersey Seating Co., New York, N. Y. Combination chair seat and back. Des. 82,911; Dec. 23.
- Schmidt, Johan C., Copenhagen, Denmark. Vibrating pick for cleaning and treatment of the surfaces of objects. 1,745,384; Feb. 4.
- Schmidt, Johannes, Berlin-Friedenau, Germany, assignor to General Electric Company. Elastic-fluid turbine and valve structure for use therewith. 1,774,997; Sept. 2.
- Schmidt, John, assignor to Sprague-Sells Corporation, Hoopeston, Ill. Apparatus for treating food materials. 1,758,064; May 13.
- Schmidt, John E., assignor to Kling Bros. Engineering Works, Chicago, Ill. Variable-diameter pulley. 1,770,948; July 22.
- Schmidt, John P., Baltimore, Md. Combination ventilator and shade for vehicles. 1,759,421; May 20.
- Schmidt, Joseph F., assignor to Wheeler Company, Railroad, Pa. Automatic press. 1,742,670; Jan. 7.
- Schmidt, Karl, Neuruppin, Germany. Portable fire extinguisher. 1,751,218; Mar. 18.
- Schmidt, Karl, Nuremberg, Germany. Dust cart. 1,781,346; Nov. 11.
- Schmidt, Karl, Leverkusen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New dyestuffs of the triphenylmethane series. 1,749,113; Mar. 4.
- Schmidt, Karl, Berlin-Lichtenrade, assignor to C. Lorenz, Aktien-Gesellschaft, Berlin-Tempelhof, Germany. Mechanical rectifier. 1,760,966; June 3.
- Schmidt, Karl, Berlin-Lichtenrade, assignor to C. Lorenz, Aktien-Gesellschaft, Berlin-Tempelhof, Germany. Power system. 1,767,405; June 24.
- Schmidt, Karl, Berlin-Lichtenrade, and W. Hahnemann, Berlin-Mariefelde, assignors to C. Lorenz Aktien-Gesellschaft, Berlin-Tempelhof, Germany. Iron core for magnetic apparatus. 1,760,965; June 3.
- Schmidt, Kranz & Co. Nordhäuser Maschinenfabrik Aktien-Gesellschaft. (See Hoffmann, Ernst, assignor.)
- Schmidt, Kurt, Wernigerode-on-the-Harz, Germany. Anti-leakage device. 1,772,963; Aug. 12.
- Schmidt, Kurt, Cologne-Holweide, assignor to Motoren-fabrik Deutz, Aktiengesellschaft, Cologne-Deutz, Germany. Regulating device for multicylinder explosion motors. 1,774,729; Sept. 2.
- Schmidt, Lambert, Brooklyn, N. Y. Theftproof lamp. 1,765,943; June 24.
- Schmidt, Lambert, jr., Brooklyn, assignor to himself and to L. Freund, New York, N. Y. Electric socket. 1,755,613; Apr. 22.
- Schmidt, Louis, New York, N. Y. Gardenia collar. 1,744,083; Jan. 21.
- Schmidt, Louis A., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing presses. 1,756,308; Apr. 29.
- Schmidt, Max. (See Goldacker, P., and Schmidt.)
- Schmidt, Maximilian P. (See Kränzlein, G., Greune, Zahn, and Schmidt.)
- Schmidt, Maximilian P., and W. Krieger, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Light-sensitive materials and making them. 1,756,400; Apr. 29.
- Schmidt, Maximilian P., and W. Krieger, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Light-sensitive layers and preparing them. 1,758,676; May 13.
- Schmidt, Maximilian P., and W. Krieger, Wiesbaden-Biebrich, Germany, assignors, to Kalle & Co., Aktiengesellschaft. Light-sensitive layers and preparing them. 1,760,780; May 27.
- Schmidt, Maximilian P., Wiesbaden, and O. Limpach, Biebrich, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Isatin-carbazole compound vat dye-stuff. 1,783,588; Dec. 2.
- Schmidt, Maximilian P., R. Zahn, and W. Krieger, Wiesbaden-Biebrich, Germany, assignor to Halle & Co. Aktiengesellschaft. Preparing pictures to be produced by tanning action. 1,762,033; June 3.
- Schmidt & Melmer. (See Hirschner, Karl, assignor.)
- Schmidt, Oscar, Inc. (See Schmidt, W. O., and Haberman, assignors.)
- Schmidt, Otto C., Sharpsburg, Pa. Grease. 1,780,315; Nov. 4.
- Schmidt, Otto, K. Seydel, Ludwigshafen-on-the-Rhine, and E. Meyer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of artificial masses from casein. 1,775,175; Sept. 9.
- Schmidt, Paul, and F. V. Malloy, Chicago, Ill. Apparatus for blood transfusion. 1,786,090; Dec. 23.
- Schmidt, Richard. (See Eggert, J., Schmidt, and Wendt.)
- Schmidt, Robert E., Elberfeld, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Splitting off sulphogroups from anthraquinone sulphonic acid derivatives. 1,782,747; Nov. 25.
- Schmidt, Robert E., and B. Stein, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of 2-7 dinitro-anthraquinone. 1,758,855; May 13.
- Schmidt, Rudolf, Vienna, Austria, assignor to "Patiag" Patentverwertungs- und Industrie-Aktiengesellschaft, Vaduz (Liechtenstein). Rotary pump. 1,771,863; July 29.
- Schmidt, Walter A., assignor to International Precipitation Company, Los Angeles, Calif. Method and apparatus for fluid pressure regulation. 1,773,279; Aug. 19.
- Schmidt, Walter O., Hackensack, and C. Haberman, North Bergen, assignors to Oscar Schmidt, Inc., Jersey City, N. J. Stringed musical instrument. 1,758,626; May 13.
- Schmidt, Wilhelm, Peine, assignor to the firm Gebr. Karges, Brunswick, Germany. Transporting vessel. 1,763,823; June 17.
- Schmidtke, Albert H., assignor to St. Joseph Iron Works, St. Joseph, Mich. Method and apparatus for making baskets. 1,752,856; Apr. 1.
- Schmidtke, Albert H., assignor to St. Joseph Iron Works, St. Joseph, Mich. Basket-making machine. 1,770,628; July 15.
- Schmidtke, Albert H., assignor to St. Joseph Iron Works, St. Joseph, Mich. Stapling machine. 1,786,870; Dec. 30.
- Schmidtman, firm Aug. (See Hochschild, Richard, assignor.)
- Schmidt'sche Heissdampf G. m. b. H. (See Davin, George H., assignor.)
- Schmidt'sche Heissdampf-G. m. b. H. (See Hartmann, O. H., and Peperkorn, assignors.)
- Schmidt'sche Heissdampf-G. m. b. H. (See Hartmann, O. H., and Uhde, assignors.)
- Schmidt'sche Heissdampf, G. m. b. H. (See Hartmann, O. H., and Wempe, assignors.)
- Schmidt'sche Heissdampf-Gesellschaft, m. b. H. (See Hartmann, O. H., and Jung, assignors.)
- Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Hartmann, Otto H., assignor.)
- Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung. (See Hartman, Otto H., assignor.)
- Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Peperkorn, Heinrich, assignor.)
- Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung. (See Thomsen, Peter, assignor.)
- Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung. (See Uhde, Robert, assignor.)
- Schmieder, Robert S., assignor to Milwaukee Corrugating Company, Milwaukee, Wis. Hip tile. 1,755,412; Apr. 22.

- Schmieder, Robert S., assignor, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. Imitation plaster. 1,783,454; Dec. 2.
- Schmieding, Warren H. F., assignor to Delco-Light Company, Dayton, Ohio. Electric apparatus. 1,744,283; Jan. 21.
- Schmieding, Warren H. F., assignor, to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,759,958; May 27.
- Schmieding, Warren H. F., assignor to Delco-Light Company, Dayton, Ohio. System of electrical distribution. 1,768,636; July 1.
- Schmieding, Warren H. F., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,768,637; July 1.
- Schmieding, Warren H. F., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,780,442; Nov. 4.
- Schmierer, Eugene. (See Thurm, R., and Schmierer.)
- Schmierer, Eugene, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Heating-element arrangement for mixer bowls. 1,751,605; Mar. 25.
- Schmierer, Johannes M., Gross Lichterfelde near Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Discharge tube containing auxiliary electrodes. 1,750,058; Mar. 11.
- Schmierer, Michel, Berlin-Lichterfelde, Germany, assignor to Radio Patents Corporation, New York, N. Y. Fluorescent tube. Re17,712; June 24.
- Schmieske, Carl. (See Bauer, G., and Schmieske.)
- Schmitt, Arthur J., Chicago, Ill. Combined connected lamp socket and heater element. Des. 80,289; Jan. 7.
- Schmitt, Bernard A., Brooklyn, N. Y., assignor, by mesne assignments, to Gotham Knitbac Machine Corporation. Machine for repairing runs in hosiery. 1,769,860; July 1.
- Schmitt, Charles J., Algoma, Wis. Folding table. 1,758,856; May 13.
- Schmitt, Edward J. (See Bauer, August, assignor.)
- Schmitt, Ernest C., Durant, Iowa, assignor of one-half to L. Trede. Safety device for glasses. 1,779,015; Oct. 21.
- Schmitt, Fred, assignor to Fred Schmitt Realty & Investment Company, St. Louis, Mo. Motor vehicle. 1,778,837; Oct. 21.
- Schmitt, George P., Oakland, Calif. Paper clip. 1,780,893; Nov. 4.
- Schmitt, Harry J., St. Albans, N. Y., assignor to William R. Noe & Sons. Pedestal for electric lamps. Des. 80,290; Jan. 7.
- Schmitt, Henry, Troy, N. Y. Heater. 1,771,693; July 29.
- Schmitt, Joseph J., Algoma, Wis. Rotary-drive mechanism. 1,755,026; Apr. 15.
- Schmitt, Joy B., assignor to The De Vilbiss Company, Toledo, Ohio. Switch. 1,769,040; July 1.
- Schmitt, Otto A. (See Coyle, J., Taliaferro, and Schmitt.)
- Schmitt Realty & Investment Company. (See Schmitt, Fred assignor.)
- Schmitt, Victor T., assignor to Hinckley & Schmitt, Chicago, Ill. Water cooler. 1,749,194; Mar. 4.
- Schmitt, William H., St. Paul, Minn. Stewpan cover. 1,770,997; July 22.
- Schmittnigel, Johann P., Basle, Switzerland, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Making cyanogen chlorides. 1,779,984; Oct. 28.
- Schmitz, Carl, Oelde, Germany. Separator. 1,758,586; May 13.
- Schmitz, Carl, Oelde, Germany. Centrifugal machine for clarifying liquids and the like. 1,767,314; June 24.
- Schmitz, Carl, Oelde, Germany. Centrifugal bowl separator. 1,786,921; Dec. 30.
- Schmitz, Carl, Oelde in Westfalen, Germany. Centrifugal separator. 1,759,522; May 20.
- Schmitz, Carl, Oelde, Westphalia, Germany. Two-speed drive for centrifugal separators. 1,771,468; July 29.
- Schmitz, Charles, La Louviere, Belgium. Expandible valve obturator. 1,779,893; Oct. 28.
- Schmitz, Fred A., assignor to The Just Manufacturing Company, Canton, Ohio. Game board. Des. 81,407; June 17.
- Schmitz, Fred A., assignor to The Just Manufacturing Company, Canton, Ohio. Game board. Des. 81,555; July 8.
- Schmitz, Fred A., Canton, Ohio, assignor to The Berger Manufacturing Company. File follower. 1,750,544; Mar. 11.
- Schmitz, Fred A., assignor, by mesne assignments, to The Berger Manufacturing Company, Canton, Ohio. Casing for boilers and the like. 1,764,281; June 17.
- Schmitz, Fred A., and J. Sturn, assignors, by mesne assignments, to The Berger Manufacturing Company, Canton, Ohio. Locker latch. 1,766,193; June 24.
- Schmitz, George C., assignor to Arnold Electric Company, Racine, Wis. Drink-mixer unit. 1,767,262; June 24.
- Schmitz, Harry. (See Macke, J., and Schmitz.)
- Schmitz, Isabelle W., Los Angeles, Calif., and L. C. Rupp, Bisbee, Ariz. Ornamental hand bell. 1,764,532; June 17.
- Schmitz, Johan M. M. (See Jacobs, F. G., and Schmitz.)
- Schmitz, John A. (See Schaper, G. F., and Schmitz.)
- Schmohl, Alfred C., Beaver Falls, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. 1,758,857; May 13.
- Schmohl, Alfred C., Beaver Falls, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. 1,762,245; June 10.
- Schmoltdt, Bernhardt F., Cleveland, Ohio. Skid platform. 1,748,621; Feb. 25.
- Schmolka, Herbert. (See Kastner, R., and Schmolka.)
- Schnuck, Louis A. (See Harrison, Ercell B., assignor.)
- Schmücking, August, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Separator drum. 1,750,364; Mar. 11.
- Schmuckler, Hans, Berlin, Germany. Welding table. 1,755,031; Apr. 15.
- Schnabel, Alfred, New York, N. Y. Tobacco container with pipe-filling means. 1,769,550; July 1.
- Schnabel, Alfred, New York, N. Y. Baby carriage or the like. 1,784,976; Dec. 16.
- Schnabel, James F., assignor to The Clark Controller Company, Cleveland, Ohio. Control system for electric motors. 1,773,409; Aug. 19.
- Schnaier, Milton, New York, N. Y. Filling apparatus. 1,749,161; Mar. 4.
- Schnaier, Milton, New York, N. Y. Frozen confectionery. 1,764,282; June 17.
- Schnaser, Oscar, Milbank, S. Dak. Lamp gauge. 1,781,862; Nov. 18.
- Schnecko, Otto. (See Voss, J., and Schnecko.)
- Schnedarek, Emil. (See Kratz, G. D., and Schnedarek.)
- Schnedarek, Emil, assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Apparatus for vulcanizing inner tubes. 1,755,563; Apr. 22.
- Schneebeli, Hugo, Courbevoie, France. Carburetor. 1,777,229; Sept. 30.
- Schneemann, Justin, Chicago, Ill. Table contact. 1,781,523; Nov. 11.
- Schneible, Claude B., et al., as trustees. (See Schneible, Claude B., assignor.)
- Schneible, Claude B., et al. (See Schneible, Joseph, assignor.)
- Schneible, Claude B., Evanston, Ill., assignor to C. B. Schneible, K. F. Schreier, and B. B. Schneider as trustees under the name of Joseph Schneible Trust. Column. 1,783,813; Dec. 2.
- Schneible, Joseph, deceased, Chicago, Ill.; B. S. Ingram, administratrix, assignor, by mesne assignments, to C. B. Schneible, Los Angeles, Calif., and K. F. Schreier, Highland Park, Ill. Whole-grain flour and the like. 1,744,581; Jan. 21.
- Schneible, Joseph, Trust. (See Schneible, Claude B.)
- Schneider, Albert C., Fort Thomas, and H. E. Schneider, Newport, Ky., assignors to The Cincinnati Fly Screen Company, Cincinnati, Ohio. Fly screen. 1,743,935; Jan. 14.
- Schneider, Arno, Döbeln, Germany. Splash guard for vehicle wheels. 1,774,242; Aug. 26.
- Schneider, Benjamin B., et al., as trustees. (See Schneible, Claude B., assignor.)
- Schneider, Bernard R., Lyndhurst, N. J., assignor to Ebco Machine Corporation, New York, N. Y. Strip container for coiled springs. 1,777,020; Sept. 30.
- Schneider, Charles H., Windsor, Conn. Garage-door hanger. 1,773,634; Aug. 19.
- Schneider, Christian, Chicago, Ill. Sign-supporting frame. 1,756,389; Apr. 29.
- Schneider & Cie. et al. (See de Courseulles, Robert, assignor.)
- Schneider & Cie. (See Fieux, Jean, assignor.)
- Schneider & Cie. (See Methlin, Nicholas E., assignor.)
- Schneider, Edwin J., Jamaica, assignor to Eastern Tube & Tool Co., Inc., Brooklyn, N. Y. Armored electric conductor. 1,779,951; Oct. 28.
- Schneider, Edwin J., Jamaica, and M. B. Bradt, assignors to Eastern Tube and Tool Co. Inc., Brooklyn, N. Y. Insulation shield for electric wiring. 1,742,488; Jan. 7.
- Schneider, Edwin J., Jamaica, and P. Wiggins, Maspeth, assignors to Eastern Tube and Tool Co., Inc., Brooklyn, N. Y. Electric conductor. 1,780,722; Nov. 4.
- Schneider, Frederick W., Baltimore, Md., assignor to Pittsburgh Plate Glass Company. Bristle tester. 1,783,455; Dec. 2.
- Schneider, George. (See Dreyfus, C., and Schneider.)
- Schneider, George, Saginaw, and H. Russell, Freeland, assignors to Wilcox-Rich Corporation, Detroit, Mich. Tappet. 1,747,490; Feb. 18.
- Schneider, George A. (See Steinhauer, Fritz P., assignor.)
- Schneider, Hans, Paris, France. Steering device for motor vehicles. 1,773,794; Aug. 26.
- Schneider, Harry E. (See Schneider, Albert C. and H. E.)
- Schneider, Henry C., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Grinding machine. 1,745,646; Feb. 4.
- Schneider, Hermann. (See Straub, F., Mayer, and Schneider.)
- Schneider, Johann, and G. Heckmann, assignors, to the Firm Fuld & Co., Telephon und Telegraphenwerke A. G., Frankfurt-on-the-Main, Germany. Microtelephone. 1,760,568; May 27.
- Schneider, Johann, and G. Heckmann, assignors to the firm H. Fuld & Co., Telephon und Telegraphenwerke, Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Telephone instrument. 1,762,641; June 10.
- Schneider, John J., and E. Nester, Buffalo, N. Y. French. 1,749,002; Mar. 4.
- Schneider, John M., Albany, N. Y. Styptic pencil. 1,761,025; June 3.
- Schneider, Josef C. M., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,763,372; June 10.

- Schneider, Max, Duisburg-Ruhrort, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. 1,750,365; Mar. 11.
- Schneider, Michael J. N., Winterhaven, Fla., assignor to Walter G. Meyer, Milwaukee, Wis. Flashing. 1,782,246; Nov. 18.
- Schneider, Otto, Oberkaufungen, Germany. Electric switch. 1,776,600; Sept. 23.
- Schneider, Peter F., assignor to Transit Mixers, Inc., San Francisco, Calif. Concrete mixer. 1,756,390; Apr. 29.
- Schneider, Russell H., Dayton, Ohio. Back-pressure valve mechanism. 1,775,833; Sept. 16.
- Schneider, Wilhelm. (See Neresheimer, H., and Schneider.)
- Schneider, William H., Milwaukee, Wis. Fan. 1,756,215; Apr. 29.
- Schnell, Charles E. (See Sadler, Ernest K., assignor.)
- Schnell, Conrad, Woodhaven, N. Y. Snowplow attachment. 1,763,373; June 10.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Motor-vehicle door handle or similar article. Des. 80,400; Jan. 21.
- Schnell, William, assignor to Ternstedt Manufacturing Co., Detroit, Mich. Dome light for an automobile. Des. 80,496; Feb. 11.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Combination smoking and vanity case. Des. 80,856; Apr. 1.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Door handle or similar article for an automotive vehicle. Des. 81,026; Apr. 22.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Outside door handle or similar article for an automotive vehicle. Des. 81,158; May 13.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Radiator cap or similar article for an automotive vehicle. Des. 81,303; June 3.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Motor-vehicle door handle or similar article. Des. 81,465; June 24.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Motor-vehicle door handle or similar article. Des. 81,466; June 24.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Motor-vehicle door handle or similar article. Des. 81,556; July 8.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Motor-vehicle-door handle or similar article. Des. 81,760; Aug. 5.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Motor-vehicle door handle or similar article. Des. 81,761; Aug. 5.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Radiator cap or similar article for an automotive vehicle. Des. 82,588; Nov. 18.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Dome light or the like for an automotive vehicle. Des. 82,628; Nov. 25.
- Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Rear corner light for vehicle bodies. 1,763,824; June 17.
- Schnell, William, and W. H. Hollindale, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Rear corner light for an automotive vehicle. Des. 80,915; Apr. 8.
- Schnell, William, and B. E. Lemm, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Door handle. Des. 80,332; Jan. 14.
- Schnelle, Ernest E., Rochester, N. Y. Compensating center. 1,742,451; Jan. 7.
- Schnelle, Ernest E., Rochester, N. Y. Belt hook. 1,768,935; July 1.
- Schnellpressenfabrik Akt.-Ges. Heidelberg. (See Jungels, Erwin, assignor.)
- Schnetka, Moritz, Leverkusen-on-the-Rhine, Germany, assignor to Titanium Pigment Co., Inc., New York, N. Y. Production of titanic oxide. 1,758,472; May 13.
- Schnetzler, Eberhard, Hanau-on-the-Main, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Time-limit relay. 1,746,287; Feb. 11.
- Schnetzler, Harry G., assignor to Standard Oil Company, Whiting, Ind. Apparatus for distilling hydrocarbon oils. 1,779,918; Oct. 28.
- Schneyer, Max D., Windsor, Ontario, Canada, and S. Cochran, Detroit, assignors of one-third to N. Shifrin, Fordson, Mich. Device for protection of goods displayed in show windows against theft. 1,752,578; Apr. 1.
- Schnitzeler, Peter. (See Schröter, F., Schriever, and Schnitzeler.)
- Schnitzer, Richard, Zurich, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Apparatus for governing duplex-machine drivers. 1,766,548; June 24.
- Schnitzspahn, Karl. (See Keller, F., and Schnitzspahn.)
- Schnoor, Raymond D., Park Ridge, Ill. Fuel-signal device. 1,785,329; Dec. 16.
- Schnuck, Carl F., New Haven, assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Calendar. 1,783,263; Dec. 2.
- Schober, Oskar. (See Von Halban, H., and Schober.)
- Schöberl, Robert, Budapest, Hungary. Chair convertible into a bedstead or couch. 1,755,842; Apr. 22.
- Schobert, Oscar E. (See Weigand, H., and Schobert.)
- Schockett, Harry U., Denver, Colo. Electric-light fixture. 1,778,869; Oct. 21.
- Schoedinger, F. O. (See Conrad, Isaiah, assignor.)
- Schoeller, Walter. (See Jordan, H., and Schoeller, and Clerc.)
- Schoeller, Walter, Berlin-Charlottenburg, H. Jordan, Berlin-Steglitz, and R. Clerc, assignors to Schering-Kahlbaum A.-G., Berlin, Germany. Production of menthol. 1,765,620; June 24.
- Schoeller, Walter, Berlin-Charlottenburg, and H. G. Alldardt, Berlin-Reinickendorf-West, assignors to Schering-Kahlbaum A.-G., Berlin, Germany. Production of anesthetics. 1,765,621; June 24.
- Schoeller, Walter, Berlin-Westend, and H. Jordan, Berlin-Steglitz, assignors to the firm Chemische Fabrik auf Action, (vorm. E. Schering), Berlin, Germany. Production of thymol. 1,786,922; Dec. 30.
- Schoeller, Walter E., Borgwaldt, and A. Feldt, assignors to Chemische Fabrik auf Action (vorm. E. Schering), Berlin, Germany. Organic metallo mercapto sulphonic compounds and making same. 1,784,497; Dec. 9.
- Schoemaker, Richard L. A., Delft, Netherlands. Telegraphing in Morse code and apparatus therefor. 1,780,507; Nov. 4.
- Schoemer, John R., St. Albans, N. Y., assignor to Ostrand-er & Eshleman, Inc. Hinge construction. 1,772,194; Aug. 5.
- Schoen, Arthur L., assignor to Eastman Kodak Company Rochester, N. Y. Heat-elimination screen for projecto-systems. 1,750,197; Mar. 11.
- Schoen, August C., Lansdale, Pa. Stocking-inspecting device. 1,764,986; June 17.
- Schoen, George H., New York, N. Y. Valve-clearance-adjusting device for automobile engines. 1,746,797; Feb. 11.
- Schoen, Michael, Brooklyn, N. Y. Throw dart and target for the same. 1,774,765; Sept. 2.
- Schoen, Otto A., assignor to The Climalene Company, Canton, Ohio. Dispensing device. 1,765,622; June 24.
- Schoenberg, Jake A., and H. A. Sandholm, Spokane, Wash. Truck. 1,763,542; June 10.
- Schoenberger, Arthur, Pittsburgh, Pa. Rope fastener. 1,751,762; Mar. 25.
- Schoenberger, John P., San Jose, assignor of two-thirds to D. Rygel, Oakland, and E. J. Burt, San Jose, Calif. Automatic oven-temperature control. 1,746,908; Feb. 11.
- Schoenberger, Paul, Belton, assignor of one-half to C. Yale, Whitefish, Mont. Sprinkler system. 1,786,963; Dec. 30.
- Schoene, Kurt, Hamburg, Germany. Pump and compressor. 1,760,171; May 27.
- Schoene, Kurt, Hamburg, Germany. Valve gear for pumps and compressors. 1,760,172; May 27.
- Schoenfeld, Walter, St. Paul, Minn. Heater for automobile engines. 1,786,130; Dec. 23.
- Schoenhard, William F., St. Louis, Mo. Umbrella. 1,769,315; July 1.
- Schoenhut, A., Company, The. (See Schoenhut, Frederick C., assignor.)
- Schoenhut, Frederick C., assignor to The A. Schoenhut Company, Philadelphia, Pa. Lamp shade. Des. 82,958; Dec. 30.
- Schoenky, August R., Beverly, Mass., assignor to The Celastic Corporation, Wilmington, Del. Treating shoe-stiffener blanks. 1,775,143; Sept. 9.
- Schoenrock, Otto R., Chicago, Ill. Internal-combustion engine. 1,785,146; Dec. 16.
- Schoenrock, Otto R., Chicago, Ill., assignor to International Harvester Company. Overtire for lugged traction wheels. 1,786,871; Dec. 30.
- Schoepfle, Orwell F., Sandusky, Ohio. Packing measuring and cutting device. 1,745,815; Feb. 4.
- Schoeppe, Edward. (See Delany, Percy, assignor.)
- Schoettle, Edwin J., Philadelphia, Pa. Mailing tube. 1,745,341; Jan. 28.
- Schoettle, Edwin J., Philadelphia, Pa. Cardboard or paper box and preparing the same. 1,773,064; Aug. 12.
- Schoettler, Frederick H., assignor of thirty-five per cent to J. H. Taft, Chicago, and twenty-five per cent to W. F. Bruggmann, Evanston, Ill. Carburetor. 1,761,846; June 3.
- Schofer, Eugen, Pforzheim, Germany. Machine for manufacturing metal-chain mail. 1,784,254; Dec. 9.
- Schoff, Albert L., Caldwell, N. J., and F. H. Meyer; said Meyer assignor to The American Welding & Manufacturing Co., Warren, Ohio, and said Schoff assignor to Overman Cushion Tire Company, Inc., New York, N. Y. Cushion-tire structure. 1,743,688; Jan. 14.
- Schofield, John C., Los Angeles, Calif. Laundry tool. 1,757,146; May 6.
- Schofield, William R., jr., and R. D. Milner, assignors to Leeds & Northrup Company, Philadelphia, Pa. Control of proportions of components of gaseous mixtures. 1,753,319; Apr. 8.
- Schofield's, J. S., Sons Co. (See Craven, George W., assignor.)
- Scholes, Daniel R., assignor to Aermotor Company, Chicago, Ill. Power-transmission gearing. 1,749,892; Mar. 11.
- Scholes, Howard S. (See Nourse, R. C. C., and Scholes.)
- Scholes, Richard T., Hinsdale, Ill. Rail joint. 1,787,089; Dec. 30.
- Scholes, Richard T., Hinsdale, Ill. Rail joint. 1,787,090; Dec. 30.
- Scholl, Henry L., Yakima, Wash. Trunk holder. 1,780,044; Oct. 28.
- Scholl Mfg. Co. Inc., The. (See Priest, Charles A., assignor.)
- Scholl, Willard J., Jackson, Mich., assignor to Malt-O-Matic Corporation. Food beverage and preparing the same. 1,781,249; Nov. 11.

- Scholl, William M., Chicago, Ill. Arch support. 1,755,460; Apr. 22.
- Scholl, William M., Chicago, Ill. Orthopedic shoe. 1,767,229; June 24.
- Scholl, William M., Chicago, Ill. Metatarsal-arch support. 1,767,263; June 24.
- Scholle, Gustav F., Concordia, Mo. Poultry feeder. 1,779,016; Oct. 21.
- Scholler, Frederick C., Philadelphia, Pa. Oiler for threads. 1,759,326; May 20.
- Scholler, Frederick C., Philadelphia, Pa. Thread oiler or moistener. 1,766,954; June 24.
- Schollhorn, William, Company, The. (See Bernard, William A., assignor.)
- Schöllkopf, Karl, Dusseldorf-Oberkassel, Germany. Obtaining toluol and propylene from cymol. 1,747,604; Feb. 18.
- Schöllkopf, Karl, Dusseldorf-Oberkassel, and A. Serini, Dusseldorf-Heerdt, assignors to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Dusseldorf-Oberkassel, Germany. Manufacture of inactive menthol. 1,773,500; Aug. 19.
- Schöllkopf, Karl, Dusseldorf-Oberkassel, and A. Serini, Dusseldorf-Heerdt, assignors to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Dusseldorf-Oberkassel, Germany. Making inactive menthol. 1,776,087; Sept. 16.
- Schöllkopf, Karl, Dusseldorf-Oberkassel, and A. Serini, Dusseldorf-Heerdt, assignors to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Dusseldorf-Oberkassel, Germany. Making inactive menthol. 1,776,088; Sept. 16.
- Schöllkopf, Karl, Dusseldorf-Oberkassel, and A. Serini, Dusseldorf-Heerdt, assignors to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Dusseldorf-Oberkassel, Germany. Making inactive menthol. 1,776,667; Sept. 23.
- Schöllkopf, Karl, Dusseldorf-Oberkassel, and A. Serini, Dusseldorf-Heerdt, assignors to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Dusseldorf-Oberkassel, Germany. Making inactive menthol. 1,776,668; Sept. 23.
- Schöllkopf, Karl, Dusseldorf-Oberkassel, and A. Serini, Dusseldorf-Heerdt, assignors to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Dusseldorf-Oberkassel, Germany. Making inactive menthol. 1,776,669; Sept. 23.
- Schöllkopf, Karl, Dusseldorf-Oberkassel, and A. Serini, Dusseldorf-Heerdt, assignors to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Dusseldorf-Oberkassel, Germany. Making inactive menthol. 1,776,670; Sept. 23.
- Schöllkopf, Karl, Dusseldorf-Oberkassel, and A. Serini, Dusseldorf-Heerdt, assignors to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Dusseldorf-Oberkassel, Germany. Making inactive menthol. 1,776,671; Sept. 23.
- Schollmeyer, William A., Yonkers, N. Y. Shingle. 1,750,331; Mar. 11.
- Schollmeyer, William A., Yonkers, N. Y. Shingle. 1,750,332; Mar. 11.
- Schölnhammer, Hans, Waidhofer, assignor to M. Leber, Vienna, Austria. Table convertible to a chair. 1,773,501; Aug. 19.
- Scholtus, Peter, Detroit, Mich. Tire chain. 1,753,388; Apr. 8.
- Scholz, Arthur C., assignor to Scholz Woodturning Co., Milwaukee, Wis. Display fixture. 1,769,316; July 1.
- Scholz, Karl. (See von Ehrenthal, B. P., and Scholz.)
- Scholz, William, Altona-Klein Flottbek, assignor to Deutsche Werft Aktiengesellschaft, Hamburg, Germany. Balanced rudder. 1,745,916; Feb. 4.
- Scholz Woodturning Co. (See Scholz, Arthur C., assignor.)
- Schon, Heinrich W., Pomeroy, Iowa. Corn-shock binder. 1,767,556; June 24.
- Schon, Lester. (See Shoenberg, M. H., and Schon.)
- Schönberger, Fritz, Sterkrade, Germany. Apparatus for measuring physical characteristics of flowing streams of fluid. 1,752,855; Apr. 1.
- Schonbrun, Irving L. (See Emis, Benjamin, assignor.)
- Schönfelder, Robert. (See Gluud, W., and Schönfelder.)
- Schönfelder, Robert. (See Gluud, W., Schönfelder, and Riese.)
- Schönhöfer, Fritz. (See Schulemann, W., Schönhöfer, and Mietzsch.)
- Schonhofer, Fritz. (See Schulemann, W., Schonhofer, and Wiegler.)
- Schooling, Luther L., assignor to Electric Wheel Company, Quincy, Ill. Wheel. 1,780,404; Nov. 4.
- Schoonenberg, Pancras, and J. J. Hardenberg, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Sorting device. 1,770,810; July 15.
- Schoonmaker, Frederick W., jr., Caldwell, N. J. Nasal applicator. 1,778,090; Oct. 14.
- Schoonmaker, James M., jr., Sewickley, Pa., assignor to Standard Steel Spring Company. Bumper. 1,771,736; July 29.
- Schoonmaker, William H., Montclair, N. J. Clutch for gear sets. 1,777,479; Oct. 7.
- Schoonmaker, William H., Montclair, N. J. Clutch for gear sets. 1,777,480; Oct. 7.
- Schoonmaker, William J., New York, N. Y. Moving-picture screen for use in connection with sound pictures. 1,785,330; Dec. 16.
- Schoop, Max U., Hoengg, Switzerland. Coating articles, particularly with metals. 1,758,473; May 13.
- Schor, Joseph, et al. (See Skoverski, John R., assignor.)
- Schorger, Arlie W., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Stereotype mat. 1,778,125; Oct. 14.
- Schori, Fritz, Wetzikon, Switzerland. Atomizer for materials in powder form. 1,781,603; Nov. 11.
- Schorn, Hans, Lausitz, Germany. Incorrodible aluminum alloy. 1,747,796; Feb. 18.
- Schorr, Paul C., and L. H. Syring, assignors to The Commonwealth Electric Company, St. Paul, Minn. Insert. 1,783,391; Dec. 2.
- Schorsch, Henry. (See Giltisch, J., and Schorsch.)
- Schoshusen, Arthur, West Somerville, Mass. Shoe-tree. 1,746,610; Feb. 11.
- Schossow, Frederick A., Detroit, Mich. Flushing valve. 1,742,973; Jan. 7.
- Schotsmans, Henri. (See Bernier, M., Duriez, and Schotsmans.)
- Schott, Erich, assignor to the firm: Jenaer Glaswerk Schott & Gen., Jena, Germany. Device for protecting the exhausting socket of vacuum glass vessels containing mercury. 1,777,861; Oct. 7.
- Schott, Frederick W., Lolo Hot Springs, Mont. Animal trap. 1,770,584; July 15.
- Schott, Howard H. (See Cross, F. J., and Schott.)
- Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Percolator. Des. 82,285; Oct. 14.
- Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Waffle iron. 1,754,486; Apr. 15.
- Schott, Wallace F., Cleveland, Ohio, assignor by mesne assignments to The Foundry Equipment Company. Drawer-operating mechanism. 1,775,538; Sept. 9.
- Schotte, Herbert, Berlin-Wilmersdorf, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Sulphur containing guanidine derivatives and making same. 1,785,916; Dec. 23.
- Schötteldreier, Wilhelm, Nachrodt in Westfalen, Germany, assignor to Vereinigte Stahlwerke A. G. Dusseldorf. Heating rolls. 1,783,524; Dec. 2.
- Schottelius, Bernhard, Dusseldorf, assignor to Rheinische Metallwaren-und Maschinenfabrik, Dusseldorf-Deren-dorf, Germany. Power-producing system. 1,774,293; Aug. 26.
- Schottky, Walter. (See Rüdenberg, R., and Schottky.)
- Schöttler, Emil, Essen-Rutt, Germany. Distributing gear for big hydraulic working machines. 1,787,328; Dec. 30.
- Schou, Theodor, assignor to The Ideal Electric & Manufacturing Company, Mansfield, Ohio. Standardizing the manufacture of dynamo-electric machines. 1,751,559; Mar. 25.
- Schou, Theodor, assignor to The Ideal Electric & Manufacturing Co., Mansfield, Ohio. Pole mounting for electro-dynamo machines. 1,772,114; Aug. 5.
- Schoultz, Albert R., Joliet, Ill. Radiator trap. 1,782,319; Nov. 18.
- Schrack, Eduard, and R. Ettenreich, Vienna, Austria. Electron-discharge-tube generator. 1,745,559; Feb. 4.
- Schrader, Friedrich, Heudeber, near Halberstadt, Germany. Oil can with insertable nozzle. 1,748,680; Feb. 25.
- Schrader, Gustave C., Woodstock, assignor to H. I. Bernhard, deceased, Brooklyn, N. Y.; A. M. Bernhard, executrix. Apparatus for distributing fertilizer in soluble condition. 1,763,374; June 10.
- Schrader, Herbert, Wheeling, W. Va., assignor, by mesne assignments, to Continental Can Company, Inc. Can. 1,742,879; Jan. 7.
- Schrader, Karl. (See Schulze, Erich, assignor.)
- Schrader, Thomas O., Allentown, assignor to The Dent Hardware Company, Fullerton, Pa. Reversible stop fastener. 1,775,574; Sept. 9.
- Schrader's, A., Son, Incorporated. (See Myers, Eugene V., assignor.)
- Schrader's, A., Son, Incorporated. (See Spill, Charles J., assignor.)
- Schrader's, A., Son, Inc. (See Volckhausen, Julius, assignor.)
- Schrafft, W. F. & Sons Corporation. (See Steely, Dale G., assignor.)
- Schramm, Albert O., St. Louis, Mo., assignor, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio. Laundry drier. 1,746,799; Feb. 11.
- Schramm, Albert O., St. Louis, Mo., assignor, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio. Laundry drier. 1,763,676; June 17.
- Schramm, Albert O., St. Louis, Mo., assignor, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio. Apparatus for stretching and drying laundered articles. 1,770,553; July 15.
- Schramm, Albert O., and J. H. Schreiber, St. Louis, Mo., assignors, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio. Machine for raising nap on textiles and the like. 1,746,798; Feb. 11.
- Schramm, Albert O., and J. H. Schreiber, St. Louis, Mo., assignor, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio. Nap-raising machine. 1,763,675; June 17.
- Schramm, Carl. (See Clark, E. W., and Schramm.)

- Schramm, Carl, West Hartford, and E. W. Clark, assignors to The Smyth Manufacturing Company, Hartford, Conn. Casing-in machine. 1,765,349; June 17.
- Schramm, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,747,491; Feb. 18.
- Schramm, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,764,418; June 17.
- Schramm, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,764,419; June 17.
- Schrauth, Walther, Berlin-Britz, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Cleaning, wetting, and emulsifying. 1,750,198; Mar. 11.
- Schrayssshuen, Carl, assignor to Speidel Chain Company, Providence, R. I. Watch bracelet or similar article. Des. 81,027; Apr. 22.
- Schreiber, Edward M. (See Mossbacher, Solomon, assignor.)
- Schreiber, Emile, Atchison, Kans. Rack. 1,755,029; Apr. 15.
- Schreiber, Ernest F., Omaha, Nebr. Booth. Des. 81,862; Aug. 19.
- Schreiber, Harry, New York, N. Y. Wrist-watch protector. 1,767,315; June 24.
- Schreiber, John H. (See Schramm, A. O., and Schreiber.)
- Schreiber, John H., St. Louis, Mo. Machine for raising nap on textiles and the like. 1,742,829; Jan. 7.
- Schreiber, Moses, assignor to Allentown Knit Fabrics Company, New York, N. Y. Knitted fabric. Des. 81,208; May 20.
- Schreiber, Moses, assignor to Allentown Knit Fabrics Company, New York, N. Y. Knitted fabric. Des. 81,209; May 20.
- Schreiber, Moses, assignor to Allentown Knit Fabrics Company, New York, N. Y. Knitted fabric or similar article. Des. 82,522; Nov. 11.
- Schreier, George J., Chicago, Ill. Pipe insulation. 1,762,276; June 10.
- Schreier, K. F., et al., as trustees. (See Schneible, Claude R., assignor.)
- Schreier, Konrad F., et al. (See Schneible, Joseph, assignor.)
- Schreil, August, and H. J. Hillborn, Milwaukee, Wis., assignors, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich. Electrical system for outboard motors. 1,765,454; June 24.
- Schrelle, Adolf, and J. Lenz, Vienna, Austria. Drawing and pushing device for central couplings of vehicles. 1,775,972; Sept. 16.
- Schremp, Edward J., Beechhurst, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine for garments and the like. Re17,570; Jan. 21.
- Schremp, Edward J., Beechhurst, Long Island, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Hosiery-pressing tray. 1,760,917; June 3.
- Schremp, Edward J., Beechhurst, and P. N. Braun, assignors, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,782,101; Nov. 18.
- Schremp, Albert, Dusseldorf, Germany. Filter device. 1,783,143; Nov. 25.
- Schrey, John P., Pittsburgh, Pa. Electric toy fence. 1,754,123; Apr. 8.
- Schriever, Lüder, Danzig-Langfuhr, Free State of Danzig, and A. Michael, Bremen, Germany. Porthole for ships. 1,744,806; Jan. 28.
- Schriever, Lüder, Danzig-Langfuhr, Danzig, and A. Michael, Bremen, Germany. Porthole for ships. 1,773,795; Aug. 26.
- Schriever, Otto. (See Schröter, F., Schriever, and Schnitzler.)
- Schriever, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Intermediate frequency modulation inside a radio-frequency modulator tube. 1,786,579; Dec. 30.
- Schrimpe, Conrad F., Woodbridge, N. J., assignor to Bakelite Corporation, New York, N. Y. Preparing condensation products of acetylene and phenols. 1,742,519; Jan. 7.
- Schrobsdorff, Walter, Berlin-Westend, Germany. Production of metal alloy and of articles made thereof. 1,742,417; Jan. 7.
- Schröder, Edmund, Berlin, Germany. Three-phase one-phase converter, especially for electric resistance heating and welding machines. 1,782,634; Nov. 25.
- Schroder, Fred F., Chicago, Ill. Reversible fan. 1,779,050; Oct. 21.
- Schroder, George H., Oakland, Calif. Clamping tongs for shoe repairing. 1,764,533; June 17.
- Schröder, Heinrich, Cassel, Germany. Umbrella. 1,780,946; Nov. 11.
- Schroder, Howard, Oakland, Calif. Windshield wiper. 1,765,806; June 24.
- Schröder, Hugo, Essen-on-the-Ruhr, Germany. Coke oven. 1,770,998; July 22.
- Schroder, John E., assignor to Hartford-Empire Company, Hartford, Conn. Ware-conveying head. 1,766,549; June 24.
- Schroder, John E., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for handling glassware. 1,783,939; Dec. 2.
- Schröder, Wilhelm G., Lubeck, Germany. Cooling drum. 1,768,156; June 24.
- Schroder, William, Covington, Ky., assignor to The Sebastian Lathe Company, Cincinnati, Ohio. Machine-tool stop mechanism. 1,768,495; June 24.
- Schroeder, Anthony, deceased, assignor of one-half to J. M. Finney, Cleveland, Ohio; A. Y. Beckwith, administrator. Dispensing mechanism. 1,744,925; Jan. 28.
- Schroeder, Arthur C., Syracuse, assignor to Standard Sealing Equipment Corporation, Long Island City, N. Y. Carton-sealing apparatus. 1,779,985; Oct. 28.
- Schroeder, Arthur C., Syracuse, and W. D. Kimball, New York, assignors to Standard Sealing Equipment Corporation, Long Island City, N. Y. Carton handling and sealing apparatus. 1,783,814; Dec. 2.
- Schroeder, Charles, and H. Tatosian, assignors to Ice Cream Cone Machinery Inc., Bridgeport, Conn. Batter-feeding device for pastry-cake machines. 1,785,394; Dec. 16.
- Schroeder, Emil F., Weyauwega, Wis. Animal trap. 1,750,027; Mar. 11.
- Schroeder, Ernst. (See Prantl, F., Luthi, and Schroeder.)
- Schroeder, Eugenia K., executrix. (See Kibele, Eugene.)
- Schroeder, Frank W., Bemidji, Minn. Vehicle signal. 1,749,305; Mar. 4.
- Schroeder, Frederick A. (See Hunt, F. H., and Schroeder.)
- Schroeder, Henry L., Chicago, Ill. Score board or similar article. Des. 81,260; May 27.
- Schroeder, James E., Houston, Tex. Sulphur mining. 1,750,136; Mar. 11.
- Schroeder, Leo, Le Mars, Iowa. Harness. 1,756,886; Apr. 29.
- Schroeder, Louis H., Woodhaven, assignor to Progressive Corrugated Paper Machinery Co. Inc., Brooklyn, N. Y. Taping machine for box blanks. 1,750,943; Mar. 18.
- Schroeder, Louis H., Woodhaven, and J. Wagner, Brooklyn, N. Y., assignors to Progressive Corrugated Machinery Co., Inc., Brooklyn, N. Y. Rotary box-blanking machine. Re17,653; Apr. 29.
- Schroeder, Max, Berlin, Germany. Recovering gas constituents from gas mixtures. 1,751,103; Mar. 18.
- Schroeder, Oscar C., Chicago, Ill., assignor to General Electric Company. Brush holder. 1,774,998; Sept. 2.
- Schroeder, Simon E., Minier, Ill. Washing-machine-agitator mechanism. 1,752,757; Apr. 1.
- Schroeder, Simon E., Bloomington, Ill. Washing machine. 1,772,845; Aug. 12.
- Schroeder, Simon E., assignor, by mesne assignments, to Automatic Washer Company, Newton, Iowa. Forming washing-machine dollies. 1,744,509; Jan. 21.
- Schroeder, Simon E., assignor, by mesne assignments, to Automatic Washer Company, Newton, Iowa. Wringer. 1,759,208; May 20.
- Schroeder, Simon E., assignor, by mesne assignments, to Automatic Washer Company, Newton, Iowa. Washing machine. 1,770,713; July 15.
- Schroedter, Edmund, Baldwin, N. Y. Ash receiver. 1,745,769; Feb. 4.
- Schroeter, Georg, Berlin, Germany, assignor to Newport Manufacturing Company, Carrollville, Wis. Purification of naphthalene. 1,763,410; June 10.
- Schroeter, George A., Brooklyn, N. Y., assignor of one-half to C. E. Heckel, Cincinnati, Ohio. Shoe construction. 1,781,197; Nov. 11.
- Schrön, Hans, Munich, Germany. Crank shaft. 1,780,947; Nov. 11.
- Schröter, Fritz. (See Schaller, O., and Schröter.)
- Schröter, Fritz, Berlin, Germany, assignor to Safety Car Heating & Lighting Company. Rectifying alternating currents. 1,749,611; Mar. 4.
- Schröter, Fritz, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Picture-transmission system. 1,751,606; Mar. 25.
- Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Fading elimination in radio picture-transmission systems. 1,757,480; May 6.
- Schröter, Fritz, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Method and arrangement for amplifying photoelectric currents. 1,770,497; July 15.
- Schröter, Fritz, Berlin, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Picture transmission. 1,784,850; Dec. 16.
- Schröter, Fritz, O. Schriever, and P. Schnitzler, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Facsimile-transmitting arrangement. 1,746,407; Feb. 11.
- Schröter, Karl, Lichtenberg, near Berlin, Germany, assignor to General Electric Company. Hard-metal alloy and making same. Re17,624; Mar. 18.
- Schröter, Karl, Lichtenberg, near Berlin, Germany, assignor to General Electric Company. Hard alloy for tools and their production. 1,774,849; Sept. 2.
- Schröter, Karl, Berlin-Lichtenberg, and H. Wolff, Berlin, assignors to Fried. Krupp Aktiengesellschaft, Essen/Ruhr, Germany. Manufacture of bodies for tools and the like from materials such as carbides, the alloys thereof, and the like. 1,757,846; May 6.
- Schrott, Kasimir. (See Wieghardt, P., and Schrott.)
- Schroyer, Harry H., Chicago, Ill., assignor to Morton Manufacturing Company. Releasable curtain-roller mounting. 1,748,734; Feb. 25.
- Schrum, Chris, Lincoln, Nebr. Tire-valve-core-vending machine. 1,765,180; June 17.

- Schrup, Alfred F., assignor to H. B. Glover Company, Dubuque, Iowa. Combined garment and hood. 1,763,375; June 10.
- Schrupp, Walter H., Granite Falls, Minn. Renewable fuse. 1,761,054; June 3.
- Schruricht, Alfons G. (See O'Neil, A. S., and Schuricht.)
- Schubardt, Walter. (See Mittasch, A., Müller, and Schubardt.)
- Schubardt, Walter. (See Müller, C., and Schubardt.)
- Schubart, Benno, Nuremberg, Germany, assignor to the firm Vereinigte Schuhfabriken Berneis-Wessels, A. G., Augsburg-Oberhausen, Germany. Baby's shoe box. Des. 81,159; May 13.
- Schubart, Benno, Nuremberg, assignor to the firm Vereinigte Schuhfabriken Berneis-Wessels A. G., Augsburg-Oberhausen, Germany. Baby's shoe box. Des. 82,523; Nov. 11.
- Schubart, Benno, Nuremberg, assignor to the firm Vereinigte Schuhfabriken Berneis-Wessels A. G., Augsburg-Oberhausen, Germany. Baby's shoe box. Des. 82,524; Nov. 11.
- Schubart, Benno, Nuremberg, assignor to Vereinigte Schuhfabriken Berneis-Wessels A. G., Augsburg-Oberhausen, Germany. Box with folding lid. 1,766,194; June 24.
- Schubert, Charles, Long Island City, N. Y. Self-propelled sled. 1,751,252; Mar. 18.
- Schubert, Francis C., Syracuse, Kans. Dental-floss holder. 1,780,045; Oct. 28.
- Schubert, Frank R., assignor to McGill Metal Company, Valparaiso, Ind. Cage for antifriction bearings. 1,742,418; Jan. 7.
- Schubert, Friedrich W., assignor to Brysilka Limited, Apperly Bridge, near Bradford, England. Manufacture of artificial silk. 1,778,301; Oct. 14.
- Schubert, Friedrich W., assignor to Brysilka, Limited, Apperley Bridge, near Bradford, England. Apparatus for use in manufacturing artificial silk. 1,778,302; Oct. 14.
- Schubert, John L., Hillsboro, and J. E. Caldwell, Mount Hamill, Iowa. Adjustable wrench. 1,758,013; May 13.
- Schubert, Kurt E., assignor of one-half to A. A. Lindquist, Susanville, Calif. Automatic window cleaner. 1,766,550; June 24.
- Schubert, Max. (See Herz, R., and Schubert.)
- Schubert, Max. (See Kaufmann, H. P., and Schubert.)
- Schubert, Richard, Bremen, Germany. Producing waterproof concrete specially for pavings. 1,760,214; May 27.
- Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Graeber, Rudolph, assignor.)
- Schuberth, Paul, Augsburg, Germany. Door for vehicles for removing house refuse. 1,753,135; Apr. 1.
- Schubnell, Hugo H., New York, N. Y. Match-book holder. 1,783,751; Dec. 2.
- Schuchardt, August, Winona, Minn. Attrition mill. 1,758,539; May 13.
- Schuck, Harold P., San Francisco, Calif., assignor to Daniels & Schuck, Inc., East Orange, N. J. Box-end-making machine. 1,762,642; June 10.
- Schuck, Harold P., San Francisco, Calif. Box-end-making machine. 1,762,643; June 10.
- Schuchman, Bertram F., Pittsburgh, Pa., assignor to Forster Manufacturing Company. Toy telephone. 1,749,447; Mar. 4.
- Schuda, Ernest J., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,779,511; Oct. 28.
- Schuda, Ernest J., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,779,512; Oct. 28.
- Schudel, George J., Nitro, W. Va., assignor, by mesne assignments to Elko Chemical Company. Manufacture of phosphorous oxychloride and thionyl chloride. 1,753,754; Apr. 8.
- Schueler, Frederick, Providence, R. I., assignor, by mesne assignments, to Prairie Window Ventilator Corporation. Metal-sash-window ventilator. 1,745,121; Jan. 28.
- Schuelke, Emil A., assignor to The Napier Company, Meriden, Conn. Combined desk blotter and box. 1,785,229; Dec. 16.
- Schuerger, Andrew, Cleveland, Ohio. Roadway sander. 1,772,367; Aug. 5.
- Schuette, Erwin E., Milwaukee, Wis. Belt-replacing device. 1,767,155; June 24.
- Schuette, Johann, Lichterfelde-Ost, near Berlin, Germany. Framework structure for the steering gear of airships. 1,780,569; Nov. 4.
- Schuette, Robert W. (See Wilson, E. H., and Schuette.)
- Schufabrik Hassia A.-G. (See Renter, Robert, assignor.)
- Schuffan, Paul, assignor to Gesellschaft Für Linde's Eismaschinen, A. G., Holriegelskreuth, near Munich, Germany. Separation of gas mixtures. 1,773,012; Aug. 12.
- Schuhmann, Richard L. (See Stimpson, W. F., and Schuhmann.)
- Schul, Max, Brussels, Belgium. Propeller for vessels and aircraft. 1,780,843; Nov. 4.
- Schulemann, Werner, Vohwinkel, and W. Kropp, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Aminoalkylamino derivative of aromatic aminohydroxy or polyamino compounds. 1,757,394; May 6.
- Schulemann, Werner, Fritz Schönhöfer, and F. Mietzsch, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. New 6-alkoxy-8-amino quinolines. 1,747,532; Feb. 18.
- Schulemann, Werner, Vohwinkel-Hammerstein, and F. Schönhöfer and A. Wingler, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of new pharmaceutical products. 1,747,531; Feb. 18.
- Schulemann, Werner, Vohwinkel, near Elberfeld, F. Schönhöfer and A. Wingler, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Aminoalkylation of amines. 1,752,617; Apr. 1.
- Schulemann, Werner, Vohwinkel, near Elberfeld, F. Schönhöfer and A. Wingler, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. 6-alkoxy-8-aminoquinolines. 1,758,378; May 13.
- Schulemann, Werner, Vohwinkel, near Elberfeld, F. Schönhöfer and A. Wingler, Elberfeld, Germany, assignors, to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of new pharmaceutical products. 1,760,781; May 27.
- Schulemann, Werner, Vohwinkel-Hammerstein, A. Wingler, and F. Mietzsch, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Pharmaceutical product. 1,766,403; June 24.
- Schuler, Albert, assignor to Aktiengesellschaft Chocolat Tobler, Bern, Switzerland. Cake of chocolate. Des. 81,812; Aug. 12.
- Schuler, Callista O. (See Wilson, R. O., and Schuler.)
- Schuler, Charles E., assignor to The International Derrick & Equipment Company, Columbus, Ohio. Adjustable platform. 1,763,069; June 10.
- Schuler, Eugene Z., et al. (See Smith, Oliver, assignor.)
- Schuler, George, Woodside, N. Y. Awning. 1,750,285; Mar. 11.
- Schuler, George, Woodside, N. Y. Awning construction. 1,779,561; Oct. 28.
- Schuler, Gustave. (See Brennan, M. O., and Schuler.)
- Schuler, Hannah M., Galesburg, Ill. Automobile screen. 1,744,177; Jan. 21.
- Schuler, Hermann, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Automatic firearm. 1,746,364; Feb. 11.
- Schuler, Hermann, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Fuse-setting machine. 1,769,861; July 1.
- Schüler, Hermann, and F. Herlach, Dusseldorf, assignors to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Gun mounted on a wheel carriage. 1,763,988; June 17.
- Schuler, John A. (See Meyer, Leo J., assignor.)
- Schuler, L., A.-G. (See Haverbeck, Edgar, assignor.)
- Schuler, L., A.-G. Werkzeugmaschinenfabrik. (See Gläser, O., and Flemnitz, assignors.)
- Schuler, Robert E., Birmingham, Ala., assignor to Anderson Brass Works, Inc. Cable clamp. 1,778,984; Oct. 21.
- Schulman, Charles, et al. (See Fairhill, Morris S., assignor.)
- Schulman, Joseph, Brooklyn, N. Y. Combined radiator ornament, parking-light holder, and fender support. Des. 82,395; Oct. 28.
- Schulman, Joseph, Brooklyn, N. Y. Fender. Des. 82,525; Nov. 11.
- Schulman, Solomon, deceased, New York, N. Y., by L. Freedman, Los Angeles, Calif., assignee. Mop wringer. Re17,754; July 29.
- Schulze, H. E., Inc. (See Schulze, Herman E., assignor.)
- Schulze, Herman E., New York, N. Y., assignor to H. E. Schulze Inc. Dispensing container. 1,780,508; Nov. 4.
- Schulte, Arthur, et al. (See Lüdorf, Gustav, assignor.)
- Schulte, Artur, et al. (See Lüdorf, Gustav, assignor.)
- Schulte, Carl E. (See Guerin, A. S., and Schulte.)
- Schulte, Edmund, Bronxville, N. Y. Gateway. Des. 81,467; June 24.
- Schulte, Edmund, Bronxville, N. Y. Balustrade unit. Des. 81,557; July 8.
- Schulte, Edmund, Bronxville, N. Y. Balustrade unit. Des. 81,558; July 8.
- Schulte, Eugen. (See Siedler, P. C. H., and Schulte.)
- Schulte, Fritz. (See Herz, R., and Schulte.)
- Schulte, Karl, Duisburg-Ruhrort, Germany. Roller conveyor. 1,745,030; Jan. 28.
- Schulte, Louis, Cleveland, Ohio, assignor, by mesne assignments, to Allegheny Steel Company, Brackenridge, Pa. Grinding and polishing apparatus. 1,744,807; Jan. 28.
- Schulte, Louis, Cleveland, Ohio, assignor, by mesne assignments, to Allegheny Steel Company, Brackenridge, Pa. Machine for surfacing sheets. 1,744,808; Jan. 28.
- Schulte, Louis, Pittsburgh, assignor to Allegheny Steel Company, Brackenridge, Pa. Tin-coated chromium iron alloy and making the same. 1,776,603; Sept. 23.
- Schulte, Walter B., assignor to Burgess Battery Company, Madison, Wis. Hand-lamp holder. 1,778,568; Oct. 14.
- Schulte, Walter B., assignor to Burgess Battery Company, Madison, Wis. Battery hand lamp. 1,784,114; Dec. 9.
- Schulte, Walter B., Madison, Wis., assignor to Burgess Battery Company. Battery. 1,785,981; Dec. 23.
- Schulte, William H., Trenton, N. J. Flush tank. 1,759,492; May 20.
- Schultheiss, Fred, Woodhaven, N. Y. Woven fabric. Des. 81,028; Apr. 22.
- Schultheiss, John P. (See Darling, George W., assignor.)
- Schultis, Charles F., assignor of one-fourth to I. Herzbrun and one-fourth to S. W. Goldman, Cleveland, Ohio. Method of and machine for flanging pipes. 1,752,508; Apr. 1.

- Schultis, Charles F., assignor of one-fourth to I. Herzbrun and one-fourth to S. W. Goldman, Cleveland, Ohio. Pipe-flanging machine. 1,765,704; June 24.
- Schultz, Abraham J., Newark, N. J. Collapsible side rail for bedsteads. 1,765,455; June 24.
- Schultz, Alfred W., assignor to The Zeidler Concrete Products Machinery Company, Waterloo, Iowa. Machine and method for constructing concrete pipe. 1,782,446; Nov. 25.
- Schulz, Arthur P. (See Teller, J., and Schulz.)
- Schultz, August L., assignor to The American Multigraph Company, Cleveland, Ohio. Plate-feeding mechanism for addressing machines. 1,768,862; July 1.
- Schultz, Charles E., Chicago, Ill. Gas furnace. 1,752,460; Apr. 1.
- Schultz, Edward, Chicago, Ill., assignor to J. B. Ladd, Des Moines, Iowa. Caster. 1,754,576; Apr. 15.
- Schultz, Edward F., Chicago, Ill. Canopy for funerals. Des. 82,396; Oct. 28.
- Schultz, Edward, assignor to The Nagel-Chase Manufacturing Company, Chicago, Ill. Combined fan and pulley. 1,781,960; Nov. 18.
- Schultz, Edwin W., and F. D. Banham, Palo Alto, Calif.; said Banham assignor to said Schultz. Grinder and disintegrator. 1,759,245; May 20.
- Schultz, Emil, Streator, Ill. Window scaffold. 1,760,009; May 27.
- Schultz, Fred, assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Pan connecting and reinforcing strip. 1,762,563; June 10.
- Schultz, Henry O. (See Herzberg, A. A., and Schultz.)
- Schultz, Hermann, Berlin-Lankwitz, Germany. Apparatus for machining welded rail joints. 1,759,327; May 20.
- Schultz, Hermann, Lankwitz, near Berlin, Germany. Casting mold for aluminothermic welding. 1,760,010; May 27.
- Schultz, Hermann, Berlin-Lankwitz, Germany. Crucible for aluminothermic reactions. 1,774,816; Sept. 2.
- Schultz, Hermann, Berlin-Lankwitz, Germany. Casting mold for aluminothermic rail welding. 1,776,601; Sept. 23.
- Schultz, Joseph B., Cleveland, Ohio. Nonslipping wrench. 1,764,990; June 17.
- Schultz, Karl A. (See Kritchevsky, W., and Schultz.)
- Schultz, Wolfgang M., Berlin-Karlshorst, assignor to Schering-Kahlbaun A. G., Berlin, Germany. Washing drum for photographic pictures. 1,767,858; June 24.
- Schultz, Lolle D., Long Beach, Calif. Adjustable chiropractic-bed appliance. 1,778,279; Oct. 14.
- Schultz, M. L., administrator. (See Pribnow, J. F., and Mitchell.)
- Schultze, Hermann S., Griesheim-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preserving dibasic calcium hypochlorite. 1,743,242; Jan. 14.
- Schulz, Arthur E. (See McMullan, S., and Schulz.)
- Schulz, Ernest R., assignor, to W. H. Miner, Inc., Chicago, Ill. End-door construction for railway cars and locking means therefor. 1,760,173; May 27.
- Schulz, George W., Cleveland, Ohio, assignor to Yawman & Erbe Manufacturing Co., Rochester, N. Y. Book-keeper's desk. 1,765,742; June 24.
- Schulz, Hans F., Bomlitz, near Walsrode, Germany. Applying nitrocellulose varnishes. 1,780,844; Nov. 4.
- Schulz, Josef, Berlin, Germany. Traffic airship of the rigid type. 1,775,604; Sept. 9.
- Schulz, Werner, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 1,771,657; July 29.
- Schulz, Werner, M. Frischke, and K. Schifffmann, assignors to Siemens & Halske, Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 1,783,312; Dec. 2.
- Schulz, William P. (See Yeager, F. W., and Schulz.)
- Schulze, Erich, assignor to K. Schrader, Hanover, Germany. Manufacturing permanently-sterile injection liquids. 1,776,010; Sept. 16.
- Schulze, Wilhelm, Michigan City, Ind. Potato-harvesting machine. 1,786,131; Dec. 23.
- Schulze, William H., Detroit, Mich. Piston. 1,766,150; June 24.
- Schumacher, Conrad, Lynnbrook, N. Y., assignor to Autostrop Patents Corporation, Dover, Del. Hardening metal strips. 1,747,145; Feb. 11.
- Schumacher, Elmer L. (See Wells, J. C., and Schumacher.)
- Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,786,580; Dec. 30.
- Schumacher, Ernst, Frankfurt-on-the-Main, Germany. Generator or producer. 1,781,765; Nov. 18.
- Schumacher, Ernst, assignor of one-half to the corporation of Frankfurter Gesellschaft, Frankfurt-on-the-Main, Germany. Producer-gas apparatus. 1,772,819; Aug. 12.
- Schumacher, Erwin A. (See Heise, G. W., and Schumacher.)
- Schumacher, Frederick J., Los Angeles, Calif. Burring machine. 1,772,500; Aug. 12.
- Schumacher, John, Los Angeles, Calif. Applying edge-covering strips to plaster board. 1,764,123; June 17.
- Schumacher, John C., assignor to The Dayton Mfg. Company, Dayton, Ohio. Double-pan hopper and foot control. 1,779,642; Oct. 28.
- Schumacher, Karl. (See Jenner, James, assignor.)
- Schumacher'sche Fabrik G. m. b. H. (See Müller, Josef, assignor.)
- Schumaker, Lorraine J., Philadelphia, Pa. Ice-cream cone. Des. 81,408; June 17.
- Schumann, Alfred G., Baltimore, Md. Propeller for aircraft. 1,742,938; Jan. 7.
- Schumann, Otto W., Magdeburg, Germany. Rotary internal-combustion engine. 1,780,443; Nov. 4.
- Schumer, John, Cincinnati, Ohio. Ornamented jewelry. 1,785,364; Dec. 16.
- Schumers, Clarence P., Chicago, Ill. Heat exchanger. 1,772,557; Aug. 12.
- Schumm, Max, Port Jefferson, N. Y. Method of and apparatus for employing tuning forks to generate audio-frequency current as a medium for sound. 1,753,069; Apr. 1.
- Schünemann, Heinrich, Spandau, assignor to Messrs. Neuerburg'sche Verwaltungsgesellschaft m. b. H., Gereonshaus, Cologne, Germany. Spreading cut tobacco in cigarette-making machines. 1,755,080; Apr. 15.
- Schünemann, Heinrich, Spandau, assignor to Messrs. Neuerburg'sche Verwaltungsgesellschaft m. b. H., Gereonshaus, Cologne, Germany. Loosening and spreading cut tobacco. 1,755,081; Apr. 15.
- Schünemann, Paul, assignor to the firm Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Elektromagnet-Apparate, Eisenach, Germany. Electromagnetic friction couplings. 1,746,365; Feb. 11.
- Schünemann, Paul, assignor to Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Elektromagnet-Apparate, Eisenach, Germany. Electromagnetically-operated friction coupling. 1,760,174; May 27.
- Schupfer, Raymond, Pawtucket, and L. B. Eaton, Saylesville, R. I. Ice-cream dipper. 1,773,013; Aug. 12.
- Schupp, Alfred B., Richmond Hill, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Manufacturing spark plugs. 1,751,662; Mar. 25.
- Schupp, Alfred B., Richmond Hill, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Nickel-plating apparatus. 1,753,350; Apr. 8.
- Schupp, Alfred B., Richmond Hill, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Motor-heat indicator. 1,756,070; Apr. 29.
- Schur, Milton O. (See Richter, G. A., and Schur.)
- Schur, Milton O. (See Richter, G. A., Schur, and Rasch.)
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Pulp-stock-tonnage regulator. 1,744,145; Jan. 21.
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Liquid-flow meter. 1,765,776; June 24.
- Schur, Milton O., and R. H. Rasch, assignors to Brown Company, Berlin, N. H. Mercerized wood-fiber tissue and preparing same. 1,749,003; Mar. 4.
- Schur, Milton O., and R. H. Rasch, assignors to Brown Company, Berlin, N. H. Material for conversion into cellulose derivatives and producing the same. 1,783,313; Dec. 2.
- Schuricht, Alfons G. (See O'Neill, A. S., Schuricht, and Olin.)
- Schurman, John, Cleveland, Ohio, assignor to York Ice Machinery Corporation, York, Pa. Refrigerating apparatus. 1,762,644; June 10.
- Schurr, Charles H., assignor to Lees-Bradner Company, Cleveland, Ohio. Tool for finishing gear teeth. 1,745,344; Jan. 28.
- Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gear-grinding machine. 1,751,104; Mar. 18.
- Schurr, Harold, assignor to Parlor City Paper Box Company, Binghamton, N. Y. Folding paper box. 1,743,572; Jan. 14.
- Schurr, Leslie A., and F. Breckenridge, Breckenridge, Mich. Washing machine. 1,784,316; Dec. 9.
- Schurr, William H., Irvington, N. J. Fixture support. 1,743,831; Jan. 14.
- Schussler, John H., Chicago, Ill. Inking mechanism for printing presses. 1,760,721; May 27.
- Schuster, Jacob H., St. Louis, Mo. Reciprocating-action safety razor. 1,785,917; Dec. 23.
- Schuster, Karl R., Hopatcong, N. J. Mixing machine. 1,765,544; June 24.
- Schuster, Kurt, and H. Hopff, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preservation of latex. 1,783,057; Nov. 25.
- Schuster, Nicholas, Buffalo, N. Y. Child's vehicle. 1,770,242; July 8.
- Schutt, Emmett J., Ramsey, N. J. Attachment plug. 1,745,233; Jan. 28.
- Schütte, Alfred H. (See Schaerer, Otto, assignor.)
- Schutte, August E., Northboro, assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Apparatus for saturating fibrous material. 1,765,777; June 24.
- Schutte, August E., Northboro, assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Saturating fibrous material. 1,765,778; June 24.
- Schutte, Julius M., assignor to The Aero Model Company, Chicago, Ill. Toy aeroplane. Re17,564; Jan. 14.
- Schutte and Koerting Company. (See von Brockdorff, Rudolf, assignor.)
- Schutte and Koerting Company. (See Muhleisen, Karl, assignor.)

- Schutz, Ernest G. (See Heny, W. G., and Schutz.)
- Schutz, Joseph M., Chicago, Ill., assignor, by mesne assignments, to Centrifux Corporation, Cleveland, Ohio. Centrifugal apparatus. 1,753,972; Apr. 8.
- Schütz, Ludwig. (See Berendes, R., and Schütz.)
- Schutz-O'Neill Company. (See O'Neill, Benjamin A., assignor.)
- Schuyler, Frank B., Berkeley, Calif., assignor, by mesne assignments, to The Johnson Washer Company. Driving mechanism for washing machines. 1,742,616; Jan. 7.
- Schvacho, Stefan, Trencianske Teplice Lazne, Czechoslovakia. High-tension switch for X-ray apparatus. 1,747,956; Feb. 18.
- Schvacho, Stefan, Trencianske Teplice, Lazne, Czechoslovakia. Combination X-ray radiator. 1,751,292; Mar. 18.
- Schvacho, Stefan, Trencianske Teplice Lazne, Czechoslovakia. Socket for the combination X-ray radiators. 1,755,025; Apr. 15.
- Schwab, Adam L., New Philadelphia, Ohio. Ingot-feeder clamp and shoulder support. 1,755,669; Apr. 22.
- Schwab, Edward L., Chicago, Ill. Bracket. 1,762,311; June 10.
- Schwab, Francis C. (See Garrett, Edmund A., assignor.)
- Schwab, Gustav, Townley-Elizabeth, N. J. Heating apparatus. 1,772,916; Aug. 12.
- Schwab, Louie D., Portland, Oreg. Forced air mixer for gas engines. 1,776,741; Sept. 23.
- Schwab, Martin C., Chicago, Ill. Sign. 1,746,611; Feb. 11.
- Schwab, Martin C., Chicago, Ill., assignor to Otis Elevator Company, New York, N. Y. Moving stairway. 1,767,945; June 24.
- Schwabe, Edwin J., Far Rockaway, N. Y. Hand mirror. Des. 82,060; Sept. 16.
- Schwabe, Edwin J., Far Rockaway, Long Island, N. Y. Vanity case. 1,760,015; May 27.
- Schwabe, Rudolf. (See Lautenschläger, C. L., Bockmühl, and Schwabe.)
- Schwadron, Joel I., Vienna, Austria. Stocking. Des. 80,857; Apr. 1.
- Schwaebel, George, Leverkusen-on-the-Rhine, and F. Schleicher, Wiesdorf-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Concentration of acetic acid. 1,766,404; June 24.
- Schwager, Henry A., assignor to General Motors Corporation, Detroit, Mich. Throttle-operated spark control. 1,761,538; June 3.
- Schwalbe, Carl G., Eberswalde, and H. Wenzl, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Process of rapidly bleaching vegetable fibers of any kind. 1,754,909; Apr. 15.
- Schwalge, William, Elmhurst, Ill. Device for separating gasoline from lubricating oils. 1,757,223; May 6.
- Schwalge, William, Elmhurst, Ill. Vulcanizer for automobile tires. 1,761,687; June 3.
- Schwalm, Rudolph H., assignor of one-half to L. C. Knirnschild, Millvale, Pa. Shoe-ventilating device. 1,750,970; Mar. 18.
- Schwanda, Henry T., Winfield Junction, N. Y. Belt-adjusting slide. 1,776,338; Sept. 23.
- Schwanhauser, Walter E., Maplewood, N. J., assignor to Charles Beseler Company, New York, N. Y. Projection apparatus. 1,746,014; Feb. 4.
- Schwantes, Julius A., Wauwatosa, Wis., assignor to Colgate-Palmolive-Peet Company, Chicago, Ill. Soap-cutting apparatus. 1,760,087; May 27.
- Schwantes, Julius A., Wauwatosa, Wis., assignor to Colgate-Palmolive-Peet Company, Chicago, Ill., Apparatus for producing shredded soap. 1,785,532; Dec. 16.
- Schwantes, Julius A., Wauwatosa, Wis., assignor to Colgate-Palmolive-Peet Company, Chicago, Ill. Soap manufacture. 1,785,533; Dec. 16.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 80,858; Apr. 1.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 80,859; Apr. 1.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 80,860; Apr. 1.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 80,861; Apr. 1.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 80,862; Apr. 1.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 80,863; Apr. 1.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 80,864; Apr. 1.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 80,973; Apr. 15.
- Schwarting, Grace C. (See Schwarting, Walter W.)
- Schwarting, Walter W., deceased, Minneapolis, Minn.; Grace C. Schwarting, owner by decree of distribution of estate. Oil-base insulating pan for internal-combustion engines. 1,760,376; May 27.
- Schwartz, Aaron. (See Stanger, Edward A., assignor.)
- Schwartz, Benjamin, Chester, Pa. Drum. 1,769,551; July 1.
- Schwartz, Carl, Detroit, Mich. Change-making machine. 1,764,357; June 17.
- Schwartz, Carl, New York, N. Y., assignor to International Combustion Engineering Corporation. Plant for producing and utilizing steam. 1,745,816; Feb. 4.
- Schwartz, Emil W., and F. R. Kaimer, Bridgeport, Conn., assignors to General Electric Company. Electrode for arc welding and making the same. 1,770,811; July 15.
- Schwartz, Ernest L., East Orange, N. J., and A. J. Williams, Jr., Media, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Retardation coil for composite sets. 1,762,744; June 10.
- Schwartz, Frank, New York, N. Y. Micrometric drawing instrument. 1,785,500; Dec. 16.
- Schwartz, George L. (See Reid, E. E., and Schwartz.)
- Schwartz, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Absorbent paper. 1,757,756; May 6.
- Schwartz, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing porous paper. 1,757,757; May 6.
- Schwartz, Gerhardt F., St. Louis, Mo. Hot-water tank. 1,780,316; Nov. 4.
- Schwartz, Harry W., assignor to C. G. Conn, Ltd., Elkhart, Ind. Saxophone or similar article. Des. 82,061; Sept. 16.
- Schwartz, Henry, Chicago, Ill. Sealing cap. 1,771,012; July 22.
- Schwartz, John L., assignor to Philadelphia Thermometer Co., Philadelphia, Pa. Pocket thermometer. 1,764,987; June 17.
- Schwartz, Joseph L., Philadelphia, assignor to Sidway-Topliff Company, Washington, Pa. Sidewalk bicycle. 1,744,417; Jan. 21.
- Schwartz, Louis C. (See Cunningham, H., and Schwartz.)
- Schwartz, Max, Brooklyn, N. Y. Collapsible umbrella. 1,781,479; Nov. 11.
- Schwartz, Max C., Washington, D. C. Game signaling apparatus. 1,759,918; May 27.
- Schwartz, Morris A., Los Angeles, Calif. Distortion motor. 1,756,800; Apr. 29.
- Schwartz, Sidney H. (See Connor, A. W., and Schwartz.)
- Schwartz, Stephen, Columbus, Ind., assignor to Doherty Research Company, New York, N. Y. Apparatus for distilling oil. 1,768,965; July 1.
- Schwartz, Walter M., A. J. Harrison, and J. L. Fagan, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Panel-assembling apparatus. 1,753,070; Apr. 1.
- Schwartzman, Harry, Jersey City, N. J. Garment-hanger attachment. 1,768,005; June 24.
- Schwartzman, Harry, Jersey City, N. J. Tag fastener. 1,778,691; Oct. 14.
- Schwarz, Alfred, Upper Montclair, N. J., assignor to Coal and Oil Products Corporation. Producing enriched water gas. 1,745,454; Feb. 4.
- Schwarz, Alfred, Montclair, N. J. Apparatus for distilling oil. 1,765,886; June 24.
- Schwarz, Alfred, Montclair, N. J., assignor to Petroleum Sand Products Corporation. Oil-cracking process. 1,756,887; Apr. 29.
- Schwarz, Alfred, Montclair, N. J., assignor to Coal and Oil Products Corporation. Gas-making apparatus. 1,758,858; May 13.
- Schwarz, Friedrich, Hamburg, Germany. Internal-combustion engine. 1,746,560; Feb. 11.
- Schwarz, Gotthold P., Bridgeport, Conn. Smoker's stand. Des. 82,959; Dec. 30.
- Schwarz, Gustav, Wauwatosa, Wis. Temperature control. 1,766,260; June 24.
- Schwarz, Gustav, Wauwatosa, Wis. Steam or vapor heating system. 1,766,261; June 24.
- Schwarz, Henry G., Denver, Colo. Shredding machine. 1,762,592; June 10.
- Schwarz, Henry G., Denver, Colo. Separator. 1,762,593; June 10.
- Schwarz, Henry G., Denver, Colorado. Press for extracting liquids. 1,781,250; Nov. 11.
- Schwarze, Herman, Pontiac, Mich., assignor to Guide Lamp Corporation, Anderson, Ind. Fender lamp for motor vehicles. Des. 81,304; June 3.
- Schwarze, Herman, Pontiac, assignor to General Motors Corporation, Detroit, Mich. Theft-preventing device. 1,753,580; Apr. 8.
- Schwarze, Herman, Pontiac, assignor to General Motors Corporation, Detroit, Mich. Engine-starting apparatus. 1,761,539; June 3.
- Schwarze, Herman, Pontiac, assignor to General Motors Corporation, Detroit, Mich. Engine-starting apparatus. 1,761,540; June 3.
- Schwarze, Herman, Birmingham, assignor to General Motors Corporation, Detroit, Mich. Instrument-panel assembly. 1,757,395; May 6.
- Schwarze, Herman, Birmingham, assignor to General Motors Corporation, Detroit, Mich. Headlamp mounting. 1,761,937; June 3.
- Schwarzkopf, Arthur R., assignor to Theo. A. Kochs Company, Chicago, Ill. Sterilizing cabinet. 1,752,265; Mar. 25.
- Schwarzkopf, Paul, Reutte, Austria. Producing ferromolybdenum and ferrotungsten. 1,786,393; Dec. 23.
- Schwarzmann, Wolfgang E., Longmeadow, and A. Rosner, Springfield, Mass., assignors, by mesne assignments, to The Electric Auto-Lite Company. Cable terminal. 1,753,627; Apr. 8.
- Schwarzmann, Wolfgang E., Longmeadow, and C. Strniste, Springfield, Mass., assignors, by mesne assignments, to The Electric Auto-Lite Company. Governor for battery-ignition systems. 1,780,771; Nov. 4.

- Schwarzwälder Lampenuhrenfabrik G. m. b. H. Glöbura. (See Halstrup, Franz, assignor.)
- Schwechten, Wilhelm, Berlin-Lichterfelde, Germany. Bridge for pianos. 1,753,389; Apr. 8.
- Schwedler, Gustave H., Kansas City, Mo. Sterilizer. 1,750,245; Mar. 11.
- Schwedler, Gustave H., Kansas City, Mo. Sterilizing apparatus. 1,777,862; Oct. 7.
- Schweer, Hulda M., New York, N. Y. Textile fabric or similar article of manufacture. Des. 82,912; Dec. 23.
- Schweibold, Alvin W., Monroe, Mich. Lather rubber. 1,765,623; June 24.
- Schweig, Julius A., St. Louis, Mo. Elevator door. 1,771,102; July 22.
- Schweiger, William F., assignor to Multipost Company, Incorporated, Rochester, N. Y. Stamp-dispensing machine. 1,762,277; June 10.
- Schweigert, Frederick, New York, N. Y. Guard member for mop handles. 1,750,333; Mar. 11.
- Schweigert, Frederick, New York, N. Y. Wrench. 1,766,458; June 24.
- Schweigert, Frederick, New York, N. Y. Pliers. 1,766,459; June 24.
- Schweigert, Frederick, New York, N. Y. Sledge hammer. 1,784,683; Dec. 9.
- Schweigert, Frederick, New York, N. Y. Push-broom-handle bracket. 1,785,564; Dec. 16.
- Schweiker, Roy W., Lansdale, Pa. Lamp shade. Des. 81,110; May 6.
- Schweiker, Roy W., Lansdale, Pa. Lighting fixture. 1,756,309; Apr. 29.
- Schweiker, Roy W., Lansdale, Pa. Canopy for lighting fixtures. 1,761,090; June 3.
- Schwein, Bruce, Turon, Kans. Screen bracket for automobile windows and the like. 1,765,244; June 17.
- Schweinert, Maximilian C., deceased, West Hoboken, N. J.; C. E. Whitney, M. Schweinert, and The Farmers Loan & Trust Company, executors. Quick-detachable dust cap or the like. 1,777,329; Oct. 7.
- Schweinert, May, et al., executors. (See Schweinert, Maximilian C.)
- Schweinhardt, Harrison S. (See Harner, J. Z., and Schweinhart.)
- Schweiter, Hans, Horgen, near Zurich, Switzerland. Pirn-winding machine. 1,762,894; June 10.
- Schweitzer, Caroline, et al. (See Drahonovsky, John B., assignor.)
- Schweitzer & Conrad. (See Conrad, Nicholas J., assignor.)
- Schweitzer & Conrad. (See Ramsay, Allan, assignor.)
- Schweitzer, Edmund O., Chicago, Ill. Current-interrupting and arc-extinguishing means. 1,761,091; June 3.
- Schweitzer, Hugo, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Trisazo dyestuffs and producing them. 1,749,513; Mar. 4.
- Schweitzer, Hugo, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New azo dyestuffs. 1,775,605; Sept. 9.
- Schweitzer, Hugo, Wiesdorf, near Cologne, and W. Neelmeier, Leverkusen, near Cologne, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Aminodiarisulfonpyrazolone azo dyestuffs. 1,749,677; Mar. 4.
- Schweitzer, John J., Sandusky, Ohio. Bottle holding and dispensing cabinet. 1,754,487; Apr. 15.
- Schweitzer, Joseph, et al. (See Drahonovsky, John B., assignor.)
- Schweitzer, Louis P., New York, N. Y. Insulating layers for electrical condensers. 1,746,366; Feb. 11.
- Schweitzer, Thomas R. (See Hoffman, C., and Schweitzer.)
- Schweitzer, William K., assignor, mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Manganese-arsenate insecticide of low-water solubility. 1,770,999; July 22.
- Schweitzer, William K., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Sulphonated mineral oils as addition agents to zinc-chloride-base fluxes. 1,785,147; Dec. 16.
- Schweizer, Ernst, Basel, Switzerland. Machine for making spools or bobbins. 1,753,628; Apr. 8.
- Schweller, Sylvester M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,760,175; May 27.
- Schweller, Sylvester M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,760,176; May 27.
- Schwenlein, William, assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Brake drum. 1,786,132; Dec. 23.
- Schwendner, Anthony F., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Throttle-valve-operating mechanism. 1,769,968; July 8.
- Schwendt, Bernard J., Cleveland, and C. F. Stoltz, Cincinnati, Ohio. Rail support. 1,781,251; Nov. 11.
- Schwenger-Klein Company, The. (See Malling, Arthur, assignor.)
- Schwenke, Paul, Zerbst, Anhalt, Germany. Fuse for submarine bombs. 1,755,797; Apr. 22.
- Schwennker, Charles F., Schenectady, N. Y., assignor to General Electric Company. Buffer for electric switches. 1,745,122; Jan. 28.
- Schwennker, Charles F., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,760,529; May 27.
- Schwenzer, William E., Erie, Pa. Transformer core. 1,775,053; Sept. 2.
- Schwerin, Frank H., Bellevue, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Pinion pulley. 1,761,412; June 3.
- Schwerin, Frank H., Bellevue Borough, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Lifting jack. 1,764,472; June 17.
- Schwerin, Frank H., Bellevue Borough, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Motor-operated jack. 1,764,988; June 17.
- Schwerin, Paul, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,766,460; June 24.
- Schweydar, Wilhelm, Potsdam, assignor to Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Torsion balance for measuring the gravitation. 1,747,651; Feb. 18.
- Schweyer, Daniel H., Easton, Pa. Automatic train control. 1,758,765; May 13.
- Schwier, William, Detroit, Mich. Tie plate. 1,771,146; July 22.
- Schwieters, Frederick W., jr., New York, N. Y. Apparatus for making concrete piles. 1,779,643; Oct. 28.
- Schwimer, Max J., and J. A. Repcheck, assignors to Darks Hasp Lock Company, Inc., Pittsburgh, Pa. Locking mechanism. 1,773,757; Aug. 26.
- Schwimmer, Oscar, Los Angeles, Calif. Safety gas fitting. 1,759,872; May 27.
- Schwindt, Christian J. (See John, K. B., Coslow, and Schwindt.)
- Schwinzer, John R., Bayside, assignor to Tiffany Studios, New York, N. Y. Radiocabinet or similar article. Des. 81,762; Aug. 5.
- Schwob, Alexandre. (See Schwob, Marcel and A.)
- Schwob, Marcel and A., Paris, France. Universal and automatic machine tool. 1,744,809; Jan. 28.
- Schworetzky, Gustav, Esslingen A. N., Germany, assignor, by mesne assignments, to Jffa Ges. m. b. H., Berlin, Germany. High-pressure gas-developing cartridge. 1,753,871; Apr. 8.
- Schylander, John F., Chicago, Ill. Soldering iron. 1,749,396; Mar. 4.
- Schylander, John F., Chicago, Ill. Soldering device. 1,749,512; Mar. 4.
- Schylander, John F., Chicago, Ill. Lock. 1,764,056; June 17.
- Schylander, John F., assignor to Jas. P. Marsh & Company, Chicago, Ill. Air valve. 1,762,488; June 10.
- Schylander, John F., assignor to J. R. Kline, Chicago, Ill. Centrifugal switch. 1,764,055; June 17.
- Seiamanna, Vincenzo, assignor of one-half to R. Sturbo, Braddock, Pa. Wall-facing tile. 1,771,354; July 22.
- Sciaulino, Salvatore, et al. (See Arico, Joseph, assignor.)
- Scimonelli, Antonio, Brooklyn, N. Y. Adjustable shoe tree. 1,753,908; Apr. 8.
- Scintilla A. G. (See Steiner, Gottlieb, assignor.)
- Scintilla Magneto Company. (See Spengler, Walter J., assignor.)
- Sciutto, Ross. (See Furnari, C., Basile, and Sciutto.)
- Scofield, Edgar, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Two-piece closure cap. 1,783,314; Dec. 2.
- Scofield, Gilbert J., Albany, N. Y. Paper-making machinery. 1,771,355; July 22.
- Scofield, Sherman W., and J. B. La Rue, Cleveland, Ohio; said La Rue assignor to said Scofield. Separating the constituents of mineral silicates. 1,751,663; Mar. 25.
- Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Radio apparatus. 1,774,243; Aug. 26.
- Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Socket sleeve. 1,785,211; Dec. 16.
- Scofield, Virgil A., Cohise, Ariz. Needle threader. 1,765,102; June 17.
- Scognio, James, Paterson, N. J. Furnace. 1,744,084; Jan. 21.
- Scorelle, Frank, Brooklyn, assignor to Stern Brothers. New York, N. Y. Glove. 1,757,095; May 6.
- Scott, Angus C., Shaker Heights, Ohio. Trolley ear and attachment therefor. 1,787,091; Dec. 30.
- Scott, Anna, Chicago, Ill. Umbrella marker. 1,779,496; Oct. 28.
- Scott, Annie A., El. H., and P. R., Christchurch, New Zealand. Gas-heating burner. 1,766,803; June 24.
- Scott, Arthur, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Riveter. 1,767,946; June 24.
- Scott, Beatrice P., Marblehead, Mass. Stenciling. 1,784,912; Dec. 16.
- Scott, Beatrice P., Marblehead, Mass. Reproducing process. 1,784,913; Dec. 16.
- Scott, Bernard H., Glendale, and S. E. Ross, Long Beach, assignors to Scott-Ross and Company, Los Angeles, Calif. Liquid pump. 1,764,473; June 17.
- Scott, Charlie B., assignor to M. E. Green Manufacturing Co., St. Louis, Mo. Eye-testing apparatus. 1,749,612; Mar. 4.
- Scott, Charlie B., assignor to M. E. Green Manufacturing Co., St. Louis, Mo. Eye-testing device. 1,761,238; June 3.
- Scott, Charlie B., assignor to M. E. Green Manufacturing Co., St. Louis, Mo. Eye-testing device. 1,761,239; June 3.
- Scott, Clifford E., assignor to McQuay Radiator Corporation, Minneapolis, Minn. Motor mounting. 1,761,752; June 3.

- Scott, Clifford E., assignor to McQuay Radiator Corporation, Minneapolis, Minn. Heat unit and cabinet. 1,771,000; July 22.
- Scott, David C. (See Valentine, F. A., and Scott.)
- Scott, David J., executors, et al. (See Scott, David J., assignor.)
- Scott, David J., assignor to I., and D. J. Scott, executors of the estate of W. Scott, deceased, doing business under the name of Walter Scott & Company, Plainfield, N. J. Folding or other device. 1,784,757; Dec. 9.
- Scott, David T., Vancouver, British Columbia, Canada. Reversing gear for power-driven shafts. 1,777,899; Oct. 7.
- Scott, Drexel J., Youngstown, Ohio. Propeller-reversing device. 1,773,550; Aug. 19.
- Scott, Earl T., Los Angeles, Calif. Concrete structure. 1,779,989; Oct. 28.
- Scott, Earle B., Verona, N. J., assignor, by mesne assignments, to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Celluloid molding powder and producing the same. 1,744,582; Jan. 21.
- Scott, Earnest H. (See Scott, Annie A., E. H., and P. R.)
- Scott, Elmer T. (See Zublin, J. A., and Scott.)
- Scott, Elwin L. (See Marion, Frank, assignor.)
- Scott, Eric W. M., Church Stretton, and B. H. Leeson, Tynemouth, England, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Protective arrangement for sectionalized electric power circuits. 1,765,887; June 24.
- Scott, Ernest E., Denver, Colo., assignor to The Electric Alarm Co. Inc. Automatic control device for the operation of visual and audible signals. 1,779,986; Oct. 28.
- Scott, Ernest E., and E. H. Bridenbaugh, assignors to The Electric Alarm Co. Inc., Denver, Colo. Electric alarm device. 1,779,987; Oct. 28.
- Scott, Ernest E., and E. H. Bridenbaugh, assignors to The Electric Alarm Co., Inc., Denver, Colo. Electric alarm device. 1,779,988; Oct. 28.
- Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Bearing for roller earth-boring drills. 1,747,394; Feb. 18.
- Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Earth-boring drill. 1,747,395; Feb. 18.
- Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Roller well drill. 1,765,545; June 24.
- Scott, Garnett L., Baltimore, Md., assignor to General Chemical Company, New York, N. Y. Continuous production of hydrofluoric acid. 1,748,735; Feb. 25.
- Scott, George A., Brooklyn, N. Y., assignor, by mesne assignments, to Atlas Fowl Plucking Machine Corporation. Poultry feather picker. 1,768,864; July 1.
- Scott, George H. (See Richmond, V. C., and Scott.)
- Scott, George H., and F. M. Rope, Cardington, England. Aerostat. 1,778,692; Oct. 14.
- Scott, George M., Tulsa, Okla. Piston. 1,765,103; June 17.
- Scott, Harry C. (See Brockman, Henry F. W., assignor.)
- Scott, Henry D., Wheeling, W. Va. Thread protector. 1,749,162; Mar. 4.
- Scott, Henry L., Company. (See Valentine, F. A., and Scott, assignors.)
- Scott, Holland S., St. Paul, Minn. Case for phonograph records. 1,764,754; June 17.
- Scott, Howard B., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Rubbing machine. 1,747,396; Feb. 18.
- Scott, Howard B., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Rubbing pad. 1,761,541; June 3.
- Scott, Irving G., and M. C. Fox, New York, N. Y. Wall pot holder. Des. 81,262; May 27.
- Scott, Irving G., and M. C. Fox, New York, N. Y. Wall pot holder. Des. 82,629; Nov. 25.
- Scott, Isabella, executors, et al. (See Scott, David J., assignor.)
- Scott, Isabella, et al., executors. (See Scott, Walter C., assignor.)
- Scott, James G., Washington, D. C. Refrigerator. Des. 82,706; Dec. 2.
- Scott, James D., Curlew, Ky. Indicator switch for tanks. 1,745,031; Jan. 28.
- Scott, James K., East Orange, N. J., assignor to American Throttle Company, Inc., New York, N. Y. Throttle. 1,771,195; July 22.
- Scott, James W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrolytic system. 1,764,650; June 17.
- Scott, James Y., assignor to Van Norman Machine Tool Company, Springfield, Mass. Valve-reseating apparatus. 1,749,514; Mar. 4.
- Scott, John P., Pittsburgh, Pa. Flag holder. 1,765,245; June 17.
- Scott, John W., Bisbee, Ariz. Material carrier. 1,785,982; Dec. 23.
- Scott, John W., New York, N. Y. Nosing for stair treads. 1,743,982; Jan. 14.
- Scott, Lawrence W. (See Husted, Harry F., assignor.)
- Scott, Lester C. (See Mijer, P., Scott, and Radford.)
- Scott, Lester C., Brooklyn, assignor, by mesne assignments, to Two-Tone Corporation, New York, N. Y. Apparatus for dyeing, coloring, and coating. 1,786,031; Dec. 23.
- Scott, Murray R., assignor to Bausch & Lomb Optical Co., Rochester, N. Y. Optical glass. 1,765,287; June 17.
- Scott, Orville O., Houston, Tex. Falsework clamp. 1,763,677; June 17.
- Scott-Paine, Hubert, Hythe, Southampton, England. Steering water craft. 1,780,767; Nov. 4.
- Scott-Paine, Hubert, Southampton, England. Hull of water craft. 1,782,320; Nov. 18.
- Scott Paper Company. (See Liebeck, Harry, assignor.)
- Scott Paper Company. (See Parsons, Philip D., assignor.)
- Scott, Percy R. (See Scott, Annie A., E. H., and P. R.)
- Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Needle valve. 1,745,586; Feb. 4.
- Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Valve. 1,746,367; Feb. 11.
- Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Atomizing valve. 1,755,192; Apr. 22.
- Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Injector valve. 1,777,051; Sept. 30.
- Scott-Ross and Company. (See Scott, B. H., and Ross, assignors.)
- Scott-Ross and Company. (See Yungling, Paul F., assignor.)
- Scott, Rossiter S., New York, N. Y. Aircraft. 1,773,280; Aug. 19.
- Scott, Rossiter S., New York, N. Y. Aircraft. 1,773,281; Aug. 19.
- Scott, Rossiter S., New York, N. Y. Convertible garter. 1,773,871; Aug. 26.
- Scott, Rossiter S., New York, N. Y. Convertible garter and holding device. 1,773,872; Aug. 26.
- Scott, Rossiter S., New York, N. Y. Garment holder. 1,747,088; Feb. 11.
- Scott, Rossiter S., New York, N. Y. Garment holder. 1,773,873; Aug. 26.
- Scott, Roy W., Cleveland, Ohio. Apparatus for measuring the vital capacity of the lungs. 1,781,735; Nov. 18.
- Scott, Samuel M., West View, Pa. Baker's peel. 1,766,551; June 24.
- Scott-Snell, Charles and E., Bayswater, London, assignors to Vacuum Power Limited, London, England. Thermally-actuated motive device. 1,773,551; Aug. 19.
- Scott-Snell, Edward. (See Scott-Snell, Charles and E.)
- Scott & Williams, Incorporated. (See Page, Albert E., assignor.)
- Scott, Stewart, jr., Ferguson, Mo. Paper-feeding rack. 1,760,177; May 27.
- Scott, Vernon A., assignor of fifty-one per cent to U. D. Clark, Toronto, Ontario, Canada. Coin-controlled operating mechanism for vending machines and the like. 1,749,195; Mar. 4.
- Scott, Vernon A., assignor of fifty-one per cent to U. D. Clark, Toronto, Ontario, Canada. Machine for delivering newspapers and the like. 1,749,233; Mar. 4.
- Scott-Viner Company. (See Carmichael, Mead S., assignor.)
- Scott, Walter. (See Scott, David J.)
- Scott, Walter, & Company. (See Scott, David J.)
- Scott, Walter, & Company. (See Scott, Walter C.)
- Scott, Walter C., deceased, assignor to I. and D. J. Scott, executors, doing business as Walter Scott & Company, Plainfield, N. J. Web-replenishing mechanism. 1,758,176; May 13.
- Scott, Walter J., Woonsocket, R. I. Stop motion for drawing frames. 1,761,413; June 3.
- Scott, Walter M. (See David, Bruce W., assignor.)
- Scott, Warren F., Stoneham, assignor of one-half to H. L. Wadsworth, Lexington, Mass. Heat-conservation means. 1,743,731; Jan. 14.
- Scott, William, et al. (See Tune, Thomas P., assignor.)
- Scott, William, Medford, Mass. Carburetor. 1,749,893; Mar. 11.
- Scott, William M., Treddyfrin Township, Chester County, Pa. Electrical switching apparatus. 1,746,319; Feb. 11.
- Scott, William M., Treddyfrin Township, Chester County, Pa. Control system. 1,752,353; Apr. 1.
- Scott, William M., Treddyfrin Township, and G. A. Pack, Philadelphia, Pa.; said Pack assignor to said Scott. Control mechanism. 1,748,497; Feb. 25.
- Scott & Williams, Incorporated. (See Allen, John M., assignor.)
- Scott & Williams, Inc. (See Elliott, Frank L., assignor.)
- Scott & Williams, Incorporated. (See Page, Albert E., assignor.)
- Scott & Williams, Incorporated. (See Page, Frank R., assignor.)
- Scott & Williams, Incorporated. (See Paquette, Exillias E., assignor.)
- Scott & Williams, Inc. (See Smith, Fred W., assignor.)
- Scott & Williams, Inc. (See Sutphen, John L., assignor.)
- Scott and Williams, Inc. (See Swinglehurst, Harry, assignor.)
- Scott & Williams, Incorporated. (See Trudel, H. L., and Dawson, assignors.)
- Scott & Williams, Incorporated. (See Williams, Louis N. D., assignor.)
- Scott & Williams, Incorporated. (See Williams, L. N. D., and Swinglehurst, assignors.)
- Scott, Winfield, assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanization of rubber. 1,743,243; Jan. 14.
- Scott, Winfield, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Rubber-vulcanization accelerator and age-resisting compounds. 1,747,186; Feb. 18.

- Scott, Winfield, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Rubber-vulcanization accelerator. 1,747,187; Feb. 18.
- Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanization of rubber. 1,747,188; Feb. 18.
- Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanizing rubber. 1,756,310; Apr. 29.
- Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanizing rubber and products obtained thereby. 1,762,531; June 10.
- Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanizing rubber. 1,773,379; Aug. 19.
- Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanizing rubber and product thereby obtained. 1,777,738; Oct. 7.
- Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanization of rubber. 1,780,604; Nov. 4.
- Scott, Winfield, assignor to The Rubber Service Laboratories Company, Akron, Ohio. Manufacture of rubber vulcanization accelerators. 1,779,715; Oct. 28.
- Scott, Winfield, Nitro, W. V., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanizing rubber and product obtained therefrom. 1,784,498; Dec. 9.
- Scott, Winfield, and W. P. ter Horst, assignors to The Rubber Service Laboratories Company, Akron, Ohio. Rubber-vulcanization process. 1,777,737; Oct. 7.
- Scotti, Francois, Hollywood, Calif. Lamp-post. Des. 81,667; July 22.
- Scottish Dyes, Limited. (See Thomas, J., and Drescher, assignors.)
- Scottish Dyes, Limited. (See Wylam, B., Harris, and Thomas, assignors.)
- Scovel, John C., jr. (See Wallis, G. E., and Scovel.)
- Scovel, John C., jr., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Refrigerated agitating device. 1,748,401; Feb. 25.
- Scovel, John C., jr., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Automatic pressure-control valve. 1,753,536; Apr. 8.
- Scovel, John C., jr., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Refrigerant-compressor-control manifold. 1,756,571; Apr. 29.
- Scovel, John C., jr., and W. J. O'Brien, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Automatic expansion valve. 1,773,604; Aug. 19.
- Scovill, D. & H., Incorporated. (See Porter, Joseph S., assignor.)
- Scovill Manufacturing Company. (See Bennett, Morris H., assignor.)
- Scovill Manufacturing Company. (See Bennett, M. H., and Colina, assignors.)
- Scovill Manufacturing Company. (See Berger, Joseph E., assignor.)
- Scovill Manufacturing Company. (See Boden, George, assignor.)
- Scovill Manufacturing Company. (See Chapman, Romaine C., assignor.)
- Scovill Manufacturing Company. (See Clemons, Herbert D., assignor.)
- Scovill Manufacturing Company. (See Cook, Clarence P., assignor.)
- Scovill Manufacturing Company. (See Coons, Arthur M., assignor.)
- Scovill Manufacturing Company. (See Coryell, Charles N., assignor.)
- Scovill Manufacturing Company. (See Davis, Alvan L., assignor.)
- Scovill Manufacturing Company. (See Fenton, Paul E., assignor.)
- Scovill Manufacturing Company. (See George, J. S., and Sperry, assignors.)
- Scovill Manufacturing Company. (See Goss, John H., assignor.)
- Scovill Manufacturing Company. (See Hyde, Francis S., assignor.)
- Scovill Manufacturing Company. (See Janes, Edmund D., assignor.)
- Scovill Manufacturing Company. (See King, George A., assignor.)
- Scovill Manufacturing Company. (See Lusher, Albert C., assignor.)
- Scovill Manufacturing Company. (See Moran, Joseph F., assignor.)
- Scovill Manufacturing Company. (See Pasman, Abram N., assignor.)
- Scovill Manufacturing Company. (See Reutter, Frederick, assignor.)
- Scovill Manufacturing Company. (See Reutter, Philip A., assignor.)
- Scovill Manufacturing Company. (See Spender, Sidney, assignor.)
- Scovill Manufacturing Company. (See Summey, David L., assignor.)
- Scovill Manufacturing Company. (See Wayne, Glenn H., assignor.)
- Scovill Manufacturing Company. (See Wild, Henry W., assignor.)
- Scovill Manufacturing Company. (See Wild, H. W., and Reutter, assignors.)
- Scoville, Charles B., jr. (See Tucker, Eldred F., assignor.)
- Scrantom, De Hart G., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming electrical terminal members. 1,782,447; Nov. 25.
- Scranton, Charles J., jr., assignor to Avery Power Machinery Co., Peoria, Ill. Recleaner. 1,781,198; Nov. 11.
- Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Inking roller. 1,748,247; Feb. 25.
- Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway-car-axle bearing. 1,773,874; Aug. 26.
- Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Self-aligning roller bearing. 1,781,886; Nov. 18.
- Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Car-journal construction. 1,784,467; Dec. 9.
- Scrimgeour, John, Toronto, Ontario, Canada. Lip-stick device. 1,782,911; Nov. 25.
- Scrimgeour, William, Washington, D. C. Fuel burner. 1,747,798; Feb. 18.
- Scribner, Peter, Detroit, Mich. Mounting device for seed planters. 1,753,136; Apr. 1.
- Scribner, Jefferson D., and R. O. Starbuck, San Benito, Tex. Sun-bath cabinet. 1,778,815; Oct. 21.
- Scroggins, Philip, Galt, Ontario, Canada. Boot. 1,743,689; Jan. 14.
- Scrote, Merle C., Kenmore, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-making machine. 1,748,622; Feb. 25.
- Scrubby, George E., Dallas, Tex. Garment-hanger attachment. 1,786,923; Dec. 30.
- Scrubby, George E., and G. E. Hartman, Oklahoma City, Okla. Folding box. 1,776,134; Sept. 16.
- Scruggs, Frank A., Los Angeles, Calif. Molding machine. Re17,711; June 24.
- Scudder, Charles J., et al, executors. (See Janeway, Jacob J.)
- Scudder, Charles J., Scranton, Pa. Locomotive valve gear. 1,753,028; Apr. 1.
- Scull, Chester, sr., assignor to Budd Wheel Company, Philadelphia, Pa. Brake drum. 1,766,955; June 24.
- Scull, Chester, sr., assignor to Budd Wheel Company, Philadelphia, Pa. Making brake drums. 1,766,956; June 24.
- Sculley, Charles R., East St. Louis, Ill. Apparatus for impregnating roofing felt. 1,751,889; Mar. 25.
- Scullin, James B., Parkersburg, W. Va. Gutter cutter. 1,754,837; Apr. 15.
- Scullin Steel Co. (See Chiles, George S., assignor.)
- Scullin Steel Co. (See Doerr, Harry E., assignor.)
- Scullin Steel Co. (See Dreibus, Harry C., assignor.)
- Scullin Steel Company. (See Dreibus, H. C., and Chiles, assignors.)
- Scullin Steel Company. (See McCullough, Paul J., assignor.)
- Scully, John T., New York, N. Y. Combined safety-razor handle, blade support, and guard. Des. 82,453; Nov. 4.
- Scully, John T., New York, N. Y. Vanity-case compact. 1,774,903; Sept. 2.
- Scully, John T., New York, N. Y. Container for powders. 1,774,904; Sept. 2.
- Scully, John T., New York, N. Y. Handle for tools. 1,783,346; Dec. 2.
- Scully, Michael F. (See Wilson, L. R., and Scully.)
- Scully, Walter P., assignor to G. Felsenthal & Sons, Chicago, Ill. Coin savings bank. 1,782,213; Nov. 18.
- Sculthorpe, Ray, assignor to Shenango-Penn Mold Company, Sharpsville, Pa. Drying sand molds. 1,749,448; Mar. 4.
- Scurlock, Dexter W., Fort Worth, Tex. Emptying device for ice pans of refrigeration apparatus. 1,775,698; Sept. 16.
- Scusa, Lino, Phoenix, N. Y. Support for indicator gauges. 1,765,624; June 24.
- Scusa, Lino, Phoenix, N. Y. Machine for rewinding paper. 1,779,562; Oct. 28.
- Szczepczenski, Peter, assignor of forty-nine per cent to J. Stempien, Niagara Falls, N. Y. Lock. 1,774,730; Sept. 2.
- Sea, John, Alameda, Calif. Cabinetmaker's clamp. 1,766,230; June 24.
- Seaborn, Lenell R., Ponca City, Okla. Soldering ladle. 1,745,455; Feb. 4.
- Seabury, Ralph L., Toledo, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Bearing and making same. 1,753,581; Apr. 8.
- Seacord, Kenneth P., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone receiver. 1,746,800; Feb. 11.
- Seager, Elmer F., San Pedro, Calif. Valve mechanism. 1,746,612; Feb. 11.
- Seagrave Company, The. (See Havens, Homer M., assignor.)
- Seagrave Corporation, The. (See Havens, Homer M., assignor.)
- Seagren, John, Beloit, Wis., assignor to Fairbanks Morse & Co., Chicago, Ill. Fluid-compressing means. 1,764,753; June 17.

- Seaholm, John P., Moline, Ill., assignor, by mesne assignments, to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Cultivator. 1,784,499; Dec. 9.
- Seaholm, Nils, Mount Vernon, N. Y. Surgeon's knife. 1,754,650; Apr. 15.
- Sealey, Percy T., Grand Rapids, assignor to Kelvinator Corporation, Detroit, Mich. Refrigerator-gasket mold. 1,764,857; June 17.
- Sealey, Percy T., Grand Rapids, assignor to Kelvinator Corporation, Detroit, Mich. Removable supporting devices for refrigerator shelves. 1,767,316; June 24.
- Sealy Corporation, The. (See Edwards, Earl E., assignor.)
- Sealy, Paul M., and J. Carroll, Rock Hill, S. C. Tide or wave motor. 1,763,191; June 10.
- Seaman, Arthur T., Chicago, Ill. Recording device for meters. 1,745,647; Feb. 4.
- Seaman Body Corporation. (See Rusch, Herman C., assignor.)
- Seaman, Charles, Hollis, and G. Braf, Ozone Park, N. Y.; said Braf assignor to said Seaman. Piping and forming the same. 1,742,830; Jan. 7.
- Seaman, Charles, Hollis, and G. Braf, Ozone Park, N. Y.; said Braf assignor to said Seaman. Sewing machine. 1,756,036; Apr. 29.
- Seaman, Ellsworth F., Birmingham, Ala. Lock. 1,770,812; July 15.
- Seaman, Ernest W., assignor of one-third to W. S. Babcock and one-third to H. Parker, Sandusky, Ohio. Knock-down tent frame. 1,744,146; Jan. 21.
- Seaman Paper Company. (See Weinthrop, Adolph D., assignor.)
- Seamon, Percy R., Cambridge, assignor to Florence Stove Company, Boston, Mass. Electric broiler. 1,751,219; Mar. 18.
- Searcy, Benjamin N., Rising Sun, Ind. Marker. 1,769,468; July 1.
- Searle, George S., Rochester, N. Y. Street-indicating device. 1,771,013; July 22.
- Searle, Harry A., Council Bluffs, Iowa. Fumigating device. 1,755,901; Apr. 22.
- Searle, William F., jr., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatically-controlled valve mechanism. 1,784,077; Dec. 9.
- Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring shackle. 1,757,747; May 6.
- Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Antifriction spring connection. 1,785,654; Dec. 16.
- Searles, Raymond R., and E. H. Cooper, assignors to The Fafnir Bearing Company, New Britain, Conn. Vehicle-spring bearing. 1,757,746; May 6.
- Searles, Raymond R., and E. H. Cooper, assignors to The Fafnir Bearing Company, New Britain, Conn. Vehicle-spring bearing. 1,785,655; Dec. 16.
- Sears, Horace H., New York, N. Y. Column. 1,742,223; Jan. 7.
- Sears, James A., Long Beach, Calif. Sign. 1,766,362; June 24.
- Sears, Roebuck and Co. (See Cooper, William L., assignor.)
- Sears, Roebuck and Co. (See Cooper, W. L., and Fortier, assignors.)
- Sears, Roebuck and Co. (See Fortier, Leon D., assignor.)
- Sears, Roebuck and Co. (See Shively, Walter E., assignor.)
- Sears, Sterling G., Brooklyn, N. Y., assignor to Naylor Radio Corporation. Binding post. 1,747,989; Feb. 18.
- Sease, Chester A., assignor of one-half to P. Crowell, jr., Harrisburg, Pa. Bushing removing and replacing tool. 1,759,285; May 20.
- Seasholtz, Emory, Waycross, Ga. Adjustable side bearing. 1,759,717; May 20.
- Seasholtz, Emory, Waycross, Ga. Coupler connector. 1,775,373; Sept. 9.
- Seaton, Guy C. (See Blanchard, Adna F., assignor.)
- Seattle Astoria Iron Works. (See Troyer, Mervyn B., assignor.)
- Seattle Astoria Iron Works. (See Troyer, Nelson, assignor.)
- Seattle Astoria Iron Works. (See Troyer, N., and Mero, assignors.)
- Seattle Astoria Iron Works. (See Troyer, N., and Pearson, assignors.)
- Seaver, Elliot O. (See Good, J., and Seaver.)
- Seaward, Delaska E., Oklahoma City, Okla. Preserving eggs. 1,785,461; Dec. 16.
- Sebald, Joseph H., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Feed-water heater. 1,785,983; Dec. 23.
- Sebastian Lathe Company, The. (See Schroder, William, assignor.)
- Sebell, Harry, Boston, Mass. Combined automobile cover and tent. 1,784,115; Dec. 9.
- Sebell, Harry, Boston, assignor to A. H. Parker, Lexington, Mass. Can. 1,748,800; Feb. 25.
- Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Making cans. 1,762,532; June 10.
- Sebell, Harry, Boston, assignor to A. H. Parker, Lexington, Mass. Can-sealing machine. 1,773,758; Aug. 26.
- Sebell, Harry, Boston, assignor to A. H. Parker, Lexington, Mass. Machine for forming can covers. 1,775,738; Sept. 16.
- Seber, Jacob C., Titusville, Pa. Aural motor-knock detector. 1,774,294; Aug. 26.
- Seberg, Arin G. and H. M., Racine, Wis. Oarlock. 1,768,006; June 24.
- Seberg, Harold M. (See Seberg, Arin G. and H. M.)
- Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Liner and treating the same. 1,749,743; Mar. 4.
- Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Aldol condensation product and vulcanization of caoutchouc therewith. 1,754,865; Apr. 15.
- Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing caoutchouc. 1,757,944; May 6.
- Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Reaction product of mercapto-thiazole and a Schiff's base, and producing same. 1,757,945; May 6.
- Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Liner and treating the same. 1,763,618; June 10.
- Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing caoutchouc and the product derived therefrom. 1,763,619; June 10.
- Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing caoutchouc and the product derived therefrom. 1,779,375; Oct. 21.
- Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Uniting rubber and other substances. 1,781,649; Nov. 11.
- Sebrell, Lorin B., and J. Teppema, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Preparing thiazoles. 1,785,656; Dec. 16.
- Sebring, Charles L., Sebring, assignor to Leigh Potters, Inc., Alliance, Ohio. Plate or similar article. Des. 80,497; Feb. 11.
- Sebring, Charles L., Sebring, assignor to Leigh Potters, Inc., Alliance, Ohio. Plate or similar article. Des. 80,498; Feb. 11.
- Sebring, Charles L., Sebring, assignor to Leigh Potters, Inc., Alliance, Ohio. Casserole. Des. 80,499; Feb. 11.
- Secombe, Pauline S. (See Wyatt, Clayton F., assignor.)
- Seck, Willy. (See Ullmann, G., and Seck.)
- Secor, Frank B., Newark, assignor to Kerlow Steel Floor Company, Jersey City, N. J. Floor grating. 1,779,497; Oct. 28.
- Secor, John A., assignor to Advance-Rumely Company, La Porte, Ind. Method of and apparatus for reatomizing fuel. 1,785,501; Dec. 16.
- Secord, Frederick A., Portland, Me. Drying materials. 1,760,444; May 27.
- Secretary of Commerce of the United States as trustee for the Government and People of the United States. (See Hannen, P. T., and Bruce, assignors.)
- Secretary of War of the United States of America. (See Brayton, Harold M., assignor.)
- Security-First National Bank of Los Angeles, executor. (See Leefeld, Rufus F.)
- Security Seal & Lock Corp. (See Lewis, Theodore B., assignor.)
- Security Trust Company. (See Williams, Harvey D., assignor.)
- Security Trust Company et al., executors. (See Zimmerli, Charles.)
- Sedgley, Reginald F., Inc. (See Sedgley, Reginald F., assignor.)
- Sedgley, Reginald F., Philadelphia, Pa. Method of and apparatus for making coils. 1,777,900; Oct. 7.
- Sedgley, Reginald F., assignor to Reginald F. Sedgley, Inc., Philadelphia, Pa. Firearm. Re17,571; Jan. 21.
- Sedlmayr, Robert. (See Wulf, O., Sedlmayr, and Eckert.)
- Sedlmair, Michael, Mulheim-Ruhr, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Nozzle-valve construction for combustion turbines. 1,756,139; Apr. 29.
- Sedlmair, Michael, Mulheim-Ruhr, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Nozzle for combustion gas turbines. 1,778,126; Oct. 14.
- See, Cyrus V., Hardin, Mo. Fishing device. 1,752,397; Apr. 1.
- Seeber, Emil J., Chicago, Ill. Carpet needle. 1,748,850; Feb. 25.
- Seeber, Emil J., Chicago, Ill. Carpet needle. 1,774,405; Aug. 26.
- Seeburg, J. P., Piano Company. (See Barkstrom, Lewis T., assignor.)
- Seek, Ferdinand W., Lebanon, Oreg. Differential mechanism. 1,777,702; Oct. 7.
- Seede, John A., Schenectady, N. Y., assignor to General Electric Company. Japanning oven. 1,752,857; Apr. 1.
- Seederer, Jacob E., assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J. Scale beam. 1,779,263; Oct. 21.
- Seederer-Kohlbusch, Inc. (See Seederer, Jacob E., assignor.)
- Seeger, Adolph M., assignor to The Seeger Device Company, Toledo, Ohio. Cable-pulling head. 1,748,084; Feb. 25.
- Seeger Device Company, The. (See Seeger, Adolph M., assignor.)
- Seeger, Edwin W., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Circuit-controlling apparatus. 1,745,510; Feb. 4.

- Seeger, Edwin W., assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Motor-control system. 1,756,572; Apr. 29.
- Seeger, Edwin W., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Automatic reclosing circuit breaker. 1,769,168; July 1.
- Seeger, Edwin W., Wauwatosa, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. System of power transmission and distribution. 1,752,032; Mar. 25.
- Seeger, Edwin W., Wauwatosa, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,757,339; May 6.
- Seeger, Edwin W., Wauwatosa, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Generator control. 1,760,088; May 27.
- Seeger, Edwin W., Wauwatosa, assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Timing controller for electric motors. 1,767,620; June 24.
- Seeger, Edwin W., Wauwatosa, assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Controller for electric motors. 1,771,902; July 29.
- Seeger, Edwin W., Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Low-voltage protective means. 1,775,658; Sept. 16.
- Seeger, Edwin W., South Milwaukee, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Motor-control system for elevators and the like. 1,753,351; Apr. 8.
- Seeger, Edwin W., South Milwaukee, assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Power-distribution system. 1,774,528; Sept. 2.
- Seeger, Edwin W., South Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Push-button elevator-control system. 1,777,131; Sept. 30.
- Seeger, Edwin W., South Milwaukee, assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Push-button elevator-control system. 1,783,629; Dec. 2.
- Seeger, Edwin W., South Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Controller for power-driven pumps. 1,784,205; Dec. 9.
- Seeger, Oscar F., assignor to Cascade Fixture Company, Seattle, Wash. Bracket for lighting fixtures. Des. 80,582; Feb. 25.
- Seeger, Oscar F., assignor to Cascade Fixture Company, Seattle, Wash. Bracket for lighting fixtures. Des. 80,583; Feb. 25.
- Seegers, Clarence L., Haynesville, La. Wrist pin. 1,775,054; Sept. 2.
- Seegmuller, Jules, Strasbourg, France. Electric meat and like roaster. 1,765,247; June 17.
- Seehaus, Paul, Zurich, Switzerland. Storage and utilization of electrically-generated heat. 1,758,474; May 13.
- Seehusen, Frank C., Maplewood, N. J., assignor to The Foundation Company, New York, N. Y. Pneumatic feeder. 1,779,264; Oct. 21.
- Seek, Roy A. (See Weber, C. J., and Seek.)
- Seekonk Lace Company. (See Naumann, Theodore F., assignor.)
- Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Reducing the viscosity of nitrocellulose. 1,757,481; May 6.
- Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Gelatino silver-halide emulsion. 1,757,482; May 6.
- Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Combined humidifier and projector. 1,762,934; June 10.
- Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing sound and picture films. 1,765,944; June 24.
- Seeland, William J. (See Meacham, M. R., and Seeland.)
- Seelert, Edward H., assignor to McQuay Radiator Corporation, Minneapolis, Minn. Shutter-equipped grille. 1,771,014; July 22.
- Seelert, Edward H., assignor to McQuay Radiator Corporation, Minneapolis, Minn. Twin-unit heater. 1,778,732; Oct. 21.
- Seeley, Asa, Owosso, Mich. Gas-producing apparatus. 1,760,782; May 27.
- Seely, Don R. (See Preator, F., and Seely.)
- Seeley, Fay L., assignor to The Evans Auto Loading Co. Inc., Detroit, Mich. Nonadjustable holddown. 1,753,838; Apr. 8.
- Seeley, Fay L., and C. L. Snyder, assignors to The Evans Auto Loading Co. Inc., Detroit, Mich. Shipping device. 1,780,277; Nov. 4.
- Seeley, Frank E., assignor to Abendroth Brothers, Port Chester, N. Y. Oven shelf. 1,787,022; Dec. 30.
- Seeley, George N., Denver, Colo. Putting game. 1,774,187; Aug. 26.
- Seeley, Harold T., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,768,423; June 24.
- Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Automatic control equipment. 1,777,230; Sept. 30.
- Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Regulating system. 1,782,514; Nov. 25.
- Seeley, Hugh C., assignor to The Baker-Raulang Company, Cleveland, Ohio. Seat mounting. 1,773,875; Aug. 26.
- Seeley, Rica H. (See Wetmore, W. C., and Seeley.)
- Seeley, William H., assignor to Brown & Haley, Tacoma Wash. Identification and price tag. 1,756,216; Apr. 29.
- Seelman, George, jr., assignor to George Seelman & Sons Co., Milwaukee, Wis. Filing envelope. 1,777,452; Oct. 7.
- Seelman, George, & Sons Co. (See Seelman, George, jr., assignor.)
- Seely, Thomas H. (See Ballard, M. H., and Seely.)
- Seely, Thomas H. (See Kilburn, K., and Seely.)
- Seely, Thomas H., Melrose, Mass., assignor to The United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of boots and shoes. 1,776,397; Sept. 23.
- Seely, Thomas H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,777,382; Oct. 7.
- Seely, Thomas H., Malden, and M. H. Ballard, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon blanks. 1,743,489; Jan. 14.
- Seery, Spencer W., and J. P. Quinn, assignors to McShane Bell Foundry Company, Baltimore, Md. Soap-dispensing faucet. 1,777,453; Oct. 7.
- Seese, Robert S. (See Frost, N. J., and Seese.)
- Seewer, Paul W., assignor to The English Electric Company Limited, London, England. Mechanism of speed-governor devices. 1,743,732; Jan. 14.
- Seffens, Clarence, and J. R. Robinson, Parkersburg, W. Va. Changeable exhibitor. 1,786,133; Dec. 23.
- Sefton, Pennington. (See Sefton, Wilfred and P.)
- Sefton, Wilfred and P., Auburn, N. Y. Loud speaker. 1,773,605; Aug. 19.
- Segal Automatic Tweezer Corporation. (See Segal, Samuel, assignor.)
- Segal Lock & Hardware Co. (See Segal, Samuel, assignor.)
- Segal Lock & Hardware Co. Inc. (See Hines, John, assignor.)
- Segal, Samuel, New York, N. Y. Lock mounting. 1,748,801; Feb. 25.
- Segal, Samuel, New York, N. Y. Lock. 1,764,895; June 17.
- Segal, Samuel, New York, N. Y. Display box. 1,779,498; Oct. 28.
- Segal, Samuel, assignor, by mesne assignments, to Segal Lock & Hardware Co., Inc., New York, N. Y. Lock. 1,758,203; May 13.
- Segal, Samuel, assignor to Segal Automatic Tweezer Corporation, New York, N. Y. Tweezers. 1,758,475; May 13.
- Segal, Samuel, assignor to Segal Automatic Tweezer Corporation, New York, N. Y. Lighter. 1,764,896; June 17.
- Segal, Samuel, assignor to Segal Automatic Tweezer Corporation, New York, N. Y. Lighter. 1,764,897; June 17.
- Segal, Samuel, assignor to Segal Lock & Hardware Co., Inc., New York, N. Y. Lock. 1,764,898; June 17.
- Segal, Samuel, assignor, by mesne assignments, to Segal Lock & Hardware Co., Inc., New York, N. Y. Dispensing device. 1,770,672; July 15.
- Segal, Samuel, assignor to Segal Automatic Tweezer Corporation, New York, N. Y. Lighter. 1,786,267; Dec. 23.
- Segar, Elzie C., Santa Monica, assignor to Hamilton Forline, Los Angeles, Calif. Animal figure. Des. 81,111; May 6.
- Segelhorst, August L., assignor of one-half to Walter G. Black, Whittier, Calif. Swinging-cutter cutting-off tool. 1,767,018; June 24.
- Segerström, Carl D. (See Lindström, A. F. H., and Segerström.)
- Segesser, Ernest, Linden, N. J. Flash light. 1,743,936; Jan. 14.
- Seghers, Emiel P., Chicago, Ill. Decorative wiring. 1,758,982; May 20.
- Seghers, Emiel P., Chicago, Ill. Electric contact clip. 1,768,936; July 1.
- Segrave, Henry O. de H., London, England. Automobile body. Des. 80,745; Mar. 18.
- Segrin, Oscar E., Springfield, assignor, by mesne assignments, to Merrow Brothers, Inc., Boston, Mass. Candy-coating machine. 1,750,865; Mar. 18.
- Seguin, Julien E. M., Paris, France. Lubricating gun. 1,781,604; Nov. 11.
- Seibel, Clifford W. (See Odell, W. W., and Seibel.)
- Seiberling, Frank A., Akron, Ohio. Method and machine for producing bias strips. 1,747,652; Feb. 18.
- Seiberling Latex Products Company. (See Casey, Thomas W., assignor.)
- Seiberling Latex Products Company. (See Hollenbeck, Oscar D., assignor.)
- Seiberling Rubber Company. (See Messer, Vladimir V., assignor.)
- Seiberling Rubber Company. (See Pfeiffer, Fred B., assignor.)
- Seiberling Rubber Company. (See Wolfe, W. S., and Crossman, assignors.)
- Seibert, Edward G., Washington, D. C. Reproducing device. 1,781,605; Nov. 11.
- Seibt, Georg, Berlin-Schöneberg, Germany. Electrostatic loud-speaker. 1,753,137; Apr. 1.
- Seidel, Morris, Brooklyn, N. Y. Pipe-cleaning or cable-laying device. 1,761,592; June 3.

- Seidel, Morris, Brooklyn, assignor of fifty per cent to L. Sanders, Woodmere, Long Island, and G. Green, Brooklyn, N. Y. Automatic boiler-control and water-heating device. 1,785,098; Dec. 16.
- Seidell, Le Roy. (See Howitz, Gerald J., assignor.)
- Seidell, Le Roy, and G. B. Jack, jr., New York, assignors, by mesne assignments, to Jatón Manufacturing Corporation, Brooklyn, N. Y. Treating fabrics. 1,753,447; Apr. 8.
- Seidemann, William A., assignor to Snap-On Wrench Company, Milwaukee, Wis. Ratchet wrench. 1,772,524; Aug. 12.
- Seiden, John W., Lewistown, Mont. Airplane brake. 1,771,941; July 29.
- Seidensticker, Oswald G., Chicago, Ill., assignor to The Payson Manufacturing Company. Push and pull bar. Des. 80,744; Mar. 18.
- Seiders, Irwin A., Reading, Pa. Locomotive appliance. 1,762,362; June 10.
- Seidman, Charles, Philadelphia, Pa. Sweater. Des. 81,942; Sept. 2.
- Seidman, Charles, Philadelphia, Pa. Sweater. Des. 81,943; Sept. 2.
- Seidman, Charles, Philadelphia, Pa. Sweater. Des. 81,944; Sept. 2.
- Seidman, Charles, Philadelphia, Pa. Corded-edge knit neckband for sweaters and the like. 1,784,548; Dec. 9.
- Seifarh, Ernst T., Leipzig, Germany. Bedcover frame. 1,782,276; Nov. 18.
- Seifert, John W., assignor to National Laundry Machine Company, Houston, Tex. Drying tumbler. 1,762,594; June 10.
- Seifert, Otto, Burgstadt, Germany, assignor to Maratli Societe Anonyme, Geneva, Switzerland. Keeping knitting machines clean. 1,752,207; Mar. 25.
- Seifert, William V., Denver, Colo., assignor to The Universal Rotary Bit Company. Rotary drill bit. 1,747,908; Feb. 18.
- Seifert, William V., Denver, Colo., assignor to The Universal Rotary Bit Company. Rotary sectional bit. 1,747,909; Feb. 18.
- Seiffert, Franz, & Co. Aktiengesellschaft. (See Seiffert, Franz, assignor.)
- Seiffert, Franz, assignor to the firm Franz Seiffert & Co. Aktiengesellschaft, Berlin, Germany. Valve. 1,753,723; Apr. 8.
- Seigheim, Fritz, New York, N. Y. Vacuum container. 1,760,321; May 27.
- Seigle, Adolphe A. F. M., Paris, France. Transforming and distilling hydrocarbons. 1,779,828; Oct. 28.
- Seigle, Adolphe A. F. M., Paris, France. Treating heavy hydrocarbon oils. 1,779,829; Oct. 28.
- Seigle, William, Hinton, Okla. Coil-spring metatarsal-arch support. 1,763,260; June 10.
- Seigle, William, Hinton, Okla. Coil-spring longitudinal arch support. 1,763,261; June 10.
- Seignol, Edouard, Paris, France. Carburetor for combustion engines and the like. 1,745,957; Feb. 4.
- Seignol, Edouard, Paris, France. Carburetor. 1,759,666; May 20.
- Seignol, Edouard, Paris, France. Feeding device for internal-combustion engines. 1,772,160; Aug. 5.
- Seignol, Edouard, Paris, France. Self-feeding carburetor. 1,777,383; Oct. 7.
- Seil, Gilbert E., Newark, N. J., assignor to The Koppers Company, Pittsburgh, Pa. Aeration and gas-purification apparatus. 1,755,614; Apr. 22.
- Seil, Gilbert E., Newark, N. J., assignor to Koppers Company, Pittsburgh, Pa. Removal of naphthalene and carbon bisulphide from gases. 1,785,365; Dec. 16.
- Seil, Gilbert E., Newark, N. J., assignor to The Koppers Company, Pittsburgh, Pa. Gas purification. 1,786,509; Dec. 30.
- Seller, Joseph L., East Orange, assignor to The Warren Manufacturing Company, Riegelsville, N. J. Wax-lined paper bag. 1,747,189; Feb. 18.
- Sellheimer, Allen B., Tiffin, Ohio. Wrench. 1,745,560; Feb. 4.
- Seipp, Franz. (See Nättcher, A., and Seipp.)
- Seipp, Franz, Frankfurt-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical precipitation of suspended material from gases. 1,773,876; Aug. 26.
- Seitz, Dean C., Cleveland, Ohio, assignor to The Russ Manufacturing Company. Draft arm for a soda fountain. Des. 82,630; Nov. 25.
- Seitz, Dean C., assignor to The Russ Manufacturing Company, Cleveland, Ohio. Sirup pump. 1,784,977; Dec. 16.
- Seitz, John F., Hollywood, Calif. Camera and method of photography. 1,787,023; Dec. 30.
- Seitz, Louis J., jr., Elizabeth, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Weston standard cell. 1,760,178; May 27.
- Seitz, Oscar, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Vacuum pump. 1,769,075; July 1.
- Seitz, Valentine, Cleveland Heights, assignor to The Cleveland Clinic Foundation, Cleveland, Ohio. Safety device. 1,785,984; Dec. 23.
- Seiwerts, Alfons L., Barmen-Langerfeld, assignor to the Firm A. Rohleder, Barmen, Germany. Valenciennes lace. 1,783,858; Dec. 2.
- Seiz, Walter, Baden, Switzerland, assignor to General Electric Company. Exciter and exciting system for dynamo-electric machines. 1,761,753; June 3.
- Sejersen, Ejnar. (See Floor, E., and Sejersen.)
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,742,419; Jan. 7.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit-box cover. 1,746,909; Feb. 11.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,748,498; Feb. 15.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit coupling. 1,760,011; May 27.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Cover plate and making same. 1,773,410; Aug. 19.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit pull box. 1,777,504; Oct. 7.
- Selbach, Christian, Kitano-Machi, Kobe, Japan. Film winder. 1,759,024; May 20.
- Selby, Dwight E., Balboa, Calif. Fuel-injection valve for Diesel engines. 1,760,322; May 27.
- Selby, Eugene O., Schenectady, N. Y., assignor to General Electric Company. Conductive screen and shield. 1,756,888; Apr. 29.
- Selby, Roger A., assignor to The Selby Shoe Company, Portsmouth, Ohio. Shoe. Des. 80,746; Mar. 18.
- Selby, Roger A., assignor to The Selby Shoe Company, Portsmouth, Ohio. Shoe. Des. 82,112; Sept. 23.
- Selby, Roger A., assignor to The Selby Shoe Company, Portsmouth, Ohio. Shoe. Des. 82,761; Dec. 9.
- Selby Shoe Company, The. (See Selby, Roger A., assignor.)
- Selden, Arthur R., Rochester, N. Y. Machine for banding a strip and cutting the latter between the bands to provide banded pieces. 1,750,059; Mar. 11.
- Selden Company, The. (See Daniels, Lloyd C., assignor.)
- Selden Company, The. (See Jaeger, Alphons O., assignor.)
- Selden Company, The. (See Jaeger, A. O., assignor, and Bertsch.)
- Selden, Company, The. (See John, K. B., Coslow, and Schwindt, assignors.)
- Selden Company, The. (See Norton, Robert A., assignor.)
- Selden, John, St. Johns, Quebec, Canada, assignor of forty-nine one-hundredths to H. Zotti. Loose-leaf sheet. 1,769,395; July 1.
- Selden Research & Engineering Corporation. The. (See Jaeger, Alphons O., assignor.)
- Selectograph Company. (See Gollnick, P. A., and Harred, assignors.)
- Selectograph Company. (See Gollnick, P. A., and Broderick, assignors.)
- Selectograph Company. (See Gollnick, P. A., Toolan, and Harred, assignors.)
- Selectograph Company. (See Gollnick, Paul A. and N., assignors.)
- Selector Corporation. (See Nutt, Harry G., assignor.)
- Selector Corporation. (See Wurzbach, H. E., and Wadsworth, assignors.)
- Selector Corporation, The. (See Wurzbach, H. E., Wadsworth, and Nutt, assignors.)
- Self Locking Carton Company. (See Johnson, Harry C., assignor.)
- Self Locking Carton Company. (See Troyk, Felix, assignor.)
- Self Locking Carton Company. (See Walsh, John E., assignor.)
- Selhorst, Bernard. (See Oppenheim, T. H., and Selhorst.)
- Seligman, Milton B., Philadelphia, Pa. Paper baler. 1,743,832; Jan. 14.
- Seligman, Richard, Wandsworth, London, England. Removing incrustation formed on metallic surfaces. 1,759,762; May 20.
- Seligman, Richard, Wandsworth, London, assignor to The Aluminum Plant & Vessel Company, Limited, London, England. Sterilizing and preserving liquids. 1,757,880; May 6.
- Seligman, Richard, Wimbledon, England. Heat-exchange apparatus. 1,770,254; July 8.
- Selle, Frederick A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor-vehicle top. 1,748,736; Feb. 25.
- Sell, Helmut. (See Langenbeck, B., and Sell.)
- Sell, Helmut, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric appliance for the measuring of the acuteness of hearing. 1,778,985; Oct. 21.
- Sellas, Peter. (See Lamoureux, A. F., and Sellas.)
- Selle, Oliver, St. Louis, Mo. Link chain. Des. 82,913; Dec. 23.
- Seller, William A., Argentine, Mo. Static eliminator. 1,774,068; Aug. 26.
- Sellers, Isaac K., Lynch, Ky. Joint. 1,779,499; Oct. 28.
- Sels, Hollis K. (See Evans, R. D., and Sels.)
- Sellers, Stanley L., Philadelphia, Pa. Double-woven chain-mesh fence fabric. 1,743,690; Jan. 14.
- Sellers, William, & Company. (See Pedrick, Irene P., assignor.)
- Sellman, Henry. (See Garlick, R., and Sellman.)
- Sellner, Herbert W., Faribault, Minn. Amusement device. 1,745,719; Feb. 4.
- Sellon, Arthur M. (See Sellon, Roy G., assignor.)
- Sellon, Roy G., Hugo, Colo., assignor of one-half to A. M. Sellon, Randolph, Nebr. Tractor guide. 1,766,004; June 24.

- Seltzer, Abram E., Hialeah, Fla. Fertilizer distributor. 1,743,983; Jan. 14.
- Seltzer, Charles R., Longmeadow, Mass. Portable display rack. 1,755,615; Apr. 22.
- Seltzer, Charles R., Longmeadow, Mass. Portable display rack. 1,777,863; Oct. 7.
- Seltzer, Clifford S., Newark, N. J., assignor to American Can Company, New York, N. Y. Machine for vacuumizing and gassing food containers. 1,770,435; July 15.
- Selzer, Clarence F., North Milwaukee, Wis. Ship-steering device. 1,783,752; Dec. 2.
- Selzer, Glenn, Protection, Kans. Choke and needle valve control. 1,736,677; Dec. 2.
- Selzer, William B., Mendon, Mich. Air-tempering apparatus. 1,770,813; July 15.
- Selva, James, New York, N. Y. Toe-dancing shoe. 1,754,054; Apr. 8.
- Selvig, John N., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and mechanism for working fibrous material. 1,753,948; Apr. 8.
- Selway, Edward B., Leetsdale, Pa. Adjustable metallic form for concrete walls. 1,761,055; June 3.
- Sem, Mathias O., Buffalo, N. Y., assignor to Det Norske Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Electrode. 1,774,674; Sept. 2.
- Sem, Mathias O., Buffalo, N. Y., and C. W. Söderberg, assignors to Det Norske Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Manufacture of self-baking electrodes. 1,751,177; Mar. 18.
- Semet-Solvay Company. (See Knapp, Walter R., assignor.)
- Semet-Solvay Company. (See Lawton, Joseph J., assignor.)
- Semet-Solvay Engineering Corporation. (See Steere, Frank W., assignor.)
- Semet-Solvay Engineering Corporation. (See Tweit, Olav, assignor.)
- Semet-Solvay Engineering Corporation. (See Tymstra, Sybren R., assignor.)
- Seminole Furniture Shops, Inc. (See Molinari, R., and Baldi, assignors.)
- Semmes, Harry H. (See Barker, Maurice E., assignor.)
- Semmes, Harry H., Chevy Chase, Md., assignor to Bendix Aviation Corporation, New York, N. Y. Airfoil construction. 1,752,701; Apr. 1.
- Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cleaning metals. 1,756,311; Apr. 29.
- Semple, Charles E., jr., assignor to Claravox, Inc., Canton, Ohio. Loud-speaker. 1,778,693; Oct. 14.
- Semple, John M. (See Shaw, B. J., and Semple.)
- Semple-Lee Processes, Inc. (See Shook, Florain J., assignor.)
- Semrad, Charles A., et al. (See Dickinson, Roy G., assignor.)
- Sena, Peter A., et al. (See Zisch, George J., assignor.)
- Senaue, Alexander, New York, N. Y. Energizing radio apparatus. 1,748,499; Feb. 25.
- Send, Maurice, Detroit, Mich. Display sign. 1,779,190; Oct. 21.
- Sendelback, Joseph, and R. V. Palmer, McAlester, Okla. Cleaning composition. 1,751,764; Mar. 25.
- Seng Company, The. (See Fox, Martin, assignor.)
- Seng, Fred J., New Albany, Ind. Shock-forming machine. 1,76,314; June 3.
- Sengbusch, Gustav J., Milwaukee, Wis. Writing pen. 1,767,189; June 24.
- Sengbusch, Gustav J., Milwaukee, Wis. Pen support. 1,767,190; June 24.
- Sengebusch, Hans, Villa Park, assignor to Reserve Holding Company, Chicago, Ill. Casing for an impulse-sending machine. Des. 82,914; Dec. 23.
- Sengebusch, Hans, Villa Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Calling device. 1,770,554; July 15.
- Senger, Albert C., Hamilton, Ohio. Tire-changing machine. 1,758,264; May 13.
- Sengpiel, William S. (See Clark, L. H., and Sengpiel.)
- Senna, Samuel N., Chicopee, assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Testing machine. 1,749,265; Mar. 4.
- Senseney, George E. (See Heywood, F. C., Senseney, and Bracewell.)
- Senter, Frank G., Portland, Me. Compass. 1,754,055; Apr. 8.
- "Sentinel" Waggon Works Limited, The. (See Alley, S. E., and Hutt, assignors.)
- Sentkowski, Alexander. (See Sentkowski, George A. and A.)
- Sentkowski, George A., and A. Sentkowski, Detroit, Mich. Machine for use in the building of storage batteries. 1,776,327; Sept. 23.
- Sentry Company, The. (See Crocker, Percival B., assignor.)
- Sentry Safety Control Corporation. (See Cohen, Joseph E., assignor.)
- Sentry Safety Control Corporation. (See Feeney, T. L., and Godoy, assignors.)
- Septer, Walter K., Duquesne, Pa. Workholding apparatus. 1,750,369; Mar. 11.
- Serduke, James T., Schenectady, N. Y., assignor to General Electric Company. Sound reproducing and recording device. 1,768,377; June 24.
- Serelco, Inc. (See Serrell, Lemuel W., assignor.)
- Sergardi, Fabio. (See Hildorf, W. G., and Sergardi.)
- Sergeeff, George, Detroit, Mich. Dowel. 1,767,019; June 24.
- Sergent, Flay T., Belvidere, Ill. Roof rafter. 1,762,363; June 10.
- Sergeson, Robert, assignor to Central Alloy Steel Corporation, Massillon, Ohio. Nitriding steel articles. 1,748,623; Feb. 25.
- Sergeson, Robert, Massillon, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Heat treating nitrided articles. 1,774,999; Sept. 2.
- Serina, Arthur. (See Schöllkopf, K., and Serini.)
- Serna, Alex, Fordson, Mich. Aeroplane. 1,754,910; Apr. 15.
- Serog, Hugo, Vienna, Austria. Plane-grate furnace. 1,747,738; Feb. 18.
- Serota, Samuel, Ossining, N. Y. Ornamental cigarette and cigar holder and the like article and making same. 1,764,694; June 17.
- Serposse, Therese, Washington, D. C. Garment hanger. 1,758,807; May 13.
- Serre, Eugene E. C., Paris, France. Reaping machine. 1,782,321; Nov. 18.
- Serrell, Arthur H., et al. (See Mason, Frank B., assignor.)
- Serrell, Lemuel W., assignor to Serelco, Inc., New York, N. Y. Electric terminal block. 1,750,246; Mar. 11.
- Sersen, Fred J., Brooklyn, and K. B. Conger, jr., Aardsley-on-Hudson, N. Y. Acoustical correction and sound deadening. 1,758,808; May 13.
- Servais, Frank P., assignor to Chrysler Corporation, Detroit, Mich. Bumper. 1,773,502; Aug. 19.
- Servel, Inc. (See Brown, John J., assignor.)
- Servel, Inc. (See Peltier, Frank D., assignor.)
- Service Bureau, Inc. (See Dawson, George H., assignor.)
- Service Casters & Truck Co., The. (See Zeindler, Werner, assignor.)
- Service Company, The. (See Duerner, Lewis W., assignor.)
- Service Station Equipment Company. (See Brouse, Dav-enport, assignor.)
- Service Station Equipment Company. (See Wilson, Charles G., assignor.)
- Service Station Equipment Company. (See Woodford, Joe C., assignor.)
- Servon, Jean L., Bayonne, assignor to Embrayage Automatique Bloch Servon Société à Responsabilité Limitée, Paris, France. Automatic clutch and change-speed mechanism. 1,759,665; May 20.
- Séry, Claude, Aix-en-Provence, assignor to Société à Responsabilité Limitée "Etablissements Rotatifs," Paris, France. Circular-weaving loom. 1,765,246; June 17.
- Sesame Company, The. (See Hatch, Alexander G., assignor.)
- Seslar, Henry N., Milwaukee, Wis., assignor of one-half to E. A. Macbeth, New York, N. Y. Straight-line-discharge protector. 1,773,014; Aug. 12.
- Sessions, Frank L., Lakewood, Ohio. Treating tire fabrics. 1,747,533; Feb. 18.
- Sessions, J. H., & Son. (See Guiden, Nicholas C., assignor.)
- Sessler, Joseph G., assignor of one-half to F. Wilken, Chicago, Ill. Figure wheeled toy. 1,746,056; Feb. 4.
- Setbacken, Helmer I. (See Heggelund, R. O., and Setbacken.)
- Sethness, C. H. (See Hershman, Paul R., assignor.)
- Sethness, C. O. (See Hershman, Paul R., assignor.)
- Setterberg, Harry O. (See Lewis, C. L., and Setterberg.)
- Settlemore, Samuel E., Evansville, Ind. Curtain rod. 1,773,796; Aug. 26.
- Seufert, Friedrich, Munich, Germany, assignor of one-half to H. Seufert, Brooklyn, N. Y. Cinema or analogous projecting apparatus. 1,756,440; Apr. 29.
- Seufert, Hermann. (See Seufert, Friedrich, assignor.)
- Seuffert, Joseph F., New York, N. Y. Electrical switch. 1,777,330; Oct. 7.
- Severance, Charles D., and R. O. Stetson, assignors to Goodell-Pratt Company, Greenfield, Mass. Spirit level. 1,752,112; Mar. 25.
- Severin, Frank W., assignor to Venn-Severin Machine Co., Chicago, Ill. Engine. 1,773,877; Aug. 26.
- Severini, Ostilio, assignor to Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Pressure roller of machines for manufacturing felted sheets. 1,770,814; July 15.
- Sevigne, F. J., Machine Company. (See Sévigné, Frederick J., assignor.)
- Sévigné, Frederick J., Milford, assignor to F. J. Sevigne Machine Company, Nashua, N. H. Machine for marking round articles. 1,755,749; Apr. 22.
- Sévigné, Henri A. (See Hubbard, G., Fancher, Sevigne, and Johnson.)
- Seville, William, assignor to Draper Corporation, Hopedale, Mass. Cross-bar and open-weave loom. 1,747,883; Feb. 18.
- Sevison, Harry D., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Curtain fixture. 1,751,105; Mar. 18.
- Sewall Paint & Varnish Company. (See Bartling, Howard G., assignor.)
- Seward, Ernest R., Detroit, Mich., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinding machine. 1,782,480; Nov. 25.
- Seward, Roy R., and J. A. Booe, Indianapolis, Ind. Construction cleat. 1,763,483; June 10.

- Sewell, Charles W. (See Burgess, F. T., and Sewell.)
 Sexauer, John A., New York, N. Y. Washer. 1,781,119; Nov. 11.
 Sexe, Ammon T., Hills, Minn. Rerailing device. 1,787,329; Dec. 30.
 Sexson, William M. (See Stange, Charles L., assignor.)
 Sexton, Edward J., Indianapolis, Ind. Railroad crossing. 1,777,505; Oct. 7.
 Sexton, John R., Meriden, Conn. Tinsel cord. 1,783,315; Dec. 2.
 Sexton Mfg. Company. (See Bowman, Louis G., assignor.)
 Seydel, Karl. (See Schmidt, O., Seydel, and Meyer.)
 Seyfert & Donner. (See Lohs, Max, assignor.)
 Seyfried, Warren R., Anniston, assignor, by mesne assignments, to Swann Research, Inc., Birmingham, Ala. Smelting of phosphatic material in an electric furnace. 1,777,582; Oct. 7.
 Seyffert, William J., Cincinnati, Ohio. Lunch kit or a similar article. Des. 81,668; July 22.
 Seymour, Arthur J., St. Paul, assignor of one-half to G. H. Riebeth, Minneapolis, Minn. Electrical winding. 1,748,802; Feb. 25.
 Seymour, Benjamin F., Washington, D. C. Machine for aerial navigation. 1,751,890; Mar. 25.
 Seymour, Benjamin F., Washington, D. C. Shock-absorbing device. 1,755,194; Apr. 22.
 Seymour, Benjamin F., Washington, D. C. Shock-absorbing transmission. 1,769,276; July 1.
 Seymour, Charles H., Kansas City, Mo. Metal-bearing member and treating same. 1,785,502; Dec. 16.
 Seymour, James M., Newark, N. J. Cooling tower. 1,758,983; May 20.
 Seymour, Joseph A., Fabyans, N. H. Blade holder. 1,757,881; May 6.
 Seymour, Mary F., executrix. (See Seymour, Ralph C.)
 Seymour, Merrill W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic reversal process. 1,762,936; June 10.
 Seymour, Merrill W., assignor to Eastman Kodak Company, Rochester, N. Y. Color filter and manufacturing the same. 1,769,041; July 1.
 Seymour, Ralph C., deceased, Short Hills, N. J.; M. F. Seymour, executrix. Folding mechanism. 1,743,490; Jan. 14.
 Seymour, William A., assignor to The Hesse Manufacturing Company, Incorporated, Leavenworth, Kans. Automatic feeder for mills. 1,755,490; Apr. 22.
 Seyter, William C., Union City, N. J., assignor to The Torsion Balance Company, New York, N. Y. Balance. 1,759,139; May 20.
 Sezekoff, Andrew. (See Lewis, L. M., and Sezekoff.)
 Sfris, George, Corpus Christi, Tex. Door latch. 1,760,968; June 3.
 Sgritta, Alfonso, Brooklyn, N. Y. Automatic night-candle-molding machine. 1,786,634; Dec. 30.
 Shackelford, Benjamin E. (See Ferguson, J. E., and Shackelford.)
 Shackelford, Roy V., Long Beach, Calif. Clothespin. 1,760,445; May 27.
 Shackleton, William, et al. (See Gartner, John H., assignor.)
 Shackleton, William. (See Hammond, Cecil F., assignor.)
 Shadbolt, Samuel M. (See Grainger, J. E., Dixon, and Shadbolt.)
 Shadle, Clinton F., Indianapolis, Ind., assignor to Air Development Company, Inc. Air conditioner for compartments and railway cars. 1,762,837; June 10.
 Shadrick, Richard H. (See Olsen, R. A., and Shadrick.)
 Shadyac, John B., Littleton, N. H. Hydrocarbon burner. 1,745,032; Jan. 28.
 Shafer Bearing Corporation. (See Shafer, Julius E., assignor.)
 Shafer, Ira, San Diego, Calif. Saw. 1,779,857; Oct. 28.
 Shafer, Julius E., assignor to Shafer Bearing Corporation, Chicago, Ill. Antifriction bearing. 1,787,214; Dec. 30.
 Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Vibrating skip for concrete mixers. 1,742,420; Jan. 7.
 Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Transverse conveyor. 1,745,192; Jan. 28.
 Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Discharge chute for concrete mixers. 1,766,552; June 24.
 Shafer, Willis D., assignor to Shafer-Halligan Compton, Inc., Chicago, Ill. Coin-controlled clock. 1,753,949; Apr. 8.
 Shafer-Halligan-Compton, Inc. (See Shafer, Willis D., assignor.)
 Shaff, Ernest H., assignor to William H. Keller Inc., Grand Haven, Mich. Impact machine. 1,743,625; Jan. 14.
 Shaff, Ernest H., assignor to Wm. H. Keller, Inc., Grand Haven, Mich. Pressure-fluid motor. 1,781,130; Nov. 11.
 Shaff, Ernest H., assignor to Wm. H. Keller, Inc., Grand Haven, Mich. Pressure-fluid motor. 1,781,131; Nov. 11.
 Shaff, Ernest H., assignor to Wm. H. Keller, Inc., Grand Haven, Mich. Pressure-fluid motor. 1,781,132; Nov. 11.
 Shaff, Ernest H., assignor to William H. Keller, Inc., Grand Haven, Mich. Pressure-fluid motor. 1,781,133; Nov. 11.
 Shaffer, Cyril H. (See Latou, William L., assignor.)
 Shaffer, Ernest J., Tulsa, Okla. Sllp socket. 1,750,906; Mar. 18.
 Shaffer, Glenn A., assignor to Fort Howard Paper Company, Green Bay, Wis. Interleaved sheet and package thereof. 1,767,859; June 24.
 Shaffer, Glenn A., assignor to Fort Howard Paper Company, Green Bay, Wis. Roll of interleaved sheets. 1,767,860; June 24.
 Shaffer, Walter D., Chicago, Ill., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stock-fitting machine. 1,778,963; Oct. 21.
 Shafar, Ralph W., A. R. Nees, and R. J. Brown, Denver, Colo. Precipitation process. 1,769,469; July 1.
 Shaft-Pierce Shoe Company. (See Shaft, Willis S., assignor.)
 Shaft, Willis S., assignor to Shaft-Pierce Shoe Company, Faribault, Minn. Channeling knife. 1,752,113; Mar. 25.
 Shaft, Willis S., assignor to Shaft-Pierce Shoe Company, Faribault, Minn. Channeling soles. 1,755,843; Apr. 22.
 Shaft, Willis S., assignor to Shaft-Pierce Shoe Company, Faribault, Minn. Shoe heel. 1,766,311; June 24.
 Shakeproof Lock Washer Company. (See Hosking, Richard T., assignor.)
 Shakeproof Lock Washer Company. (See Olson, Carl G., assignor.)
 Shakespeare Company. (See Bokelund, Harry A., assignor.)
 Shakespeare Company. (See Bryer, E. J., and Pierce, assignors.)
 Shakespeare Company. (See Russell, Samuel G., assignor.)
 Shakespeare Company. (See Russell, S. G., and Potter, assignors.)
 Shakespeare, John, Canberra, New South Wales, Australia. Apparatus for the manufacture of concrete building blocks and the like. 1,770,219; July 8.
 Shakespeare Products Company. (See Russell, S. G., Buchanan, and Potter, assignors.)
 Shakespeare, William M. (See Macan, H. C., Yates and Shakespeare.)
 Shallcross, Herbert L., Philadelphia, Pa. Power brake. 1,761,896; June 3.
 Shallcross, James, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing electrical contacts. 1,744,810; Jan. 28.
 Shallenberger, John W., Bridgeport, Conn. Power hammer. 1,767,485; June 24.
 Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Grate and pallet structure. 1,756,037; Apr. 29.
 Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Sintering machine. 1,764,695; June 17.
 Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Sintering machine. 1,764,696; June 17.
 Shamblin, Harvey C., Miami, Okla. Charge-forming device for internal-combustion engines. 1,771,356; July 22.
 Shambow Shuttle Company. (See Fuller, Emil E., assignor.)
 Shanck, Roy B., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Tone reception for carrier telegraphy. 1,779,500; Oct. 28.
 Shand & Jurs Company. (See Shand, Reginald C., assignor.)
 Shand, Reginald C., Piedmont, Calif. Hose rack. 1,769,237; July 1.
 Shand, Reginald C., Piedmont, assignor to Shand & Jurs Company, Berkeley, Calif. Roof drain. 1,762,838; June 10.
 Shane, Minnie V., assignor of one-half to C. H. Winterborne, San Antonio, Tex. Manicurist's thumb guard. 1,783,984; Dec. 9.
 Shaner, George A., R. E. Damp, Tulsa, and G. G. Donovan, Seminole, Okla., assignors to Standard Oil Development Company. Method and apparatus for cleaning pipe lines. 1,785,230; Dec. 16.
 Shank, George H., et al. (See Loehr, Harry M., assignor.)
 Shankland, Archibald D., Bethlehem, Pa., assignor to Bethlehem Steel Company. Manufacture of alloy steels. 1,749,678; Mar. 4.
 Shankland, Nora L., Newton, Iowa. Window stop. 1,769,470; July 1.
 Shanks, Henry R., Dallas, Tex. Plaster construction. 1,763,262; June 10.
 Shanks, Henry R., Dallas, Tex. Hanging wall board. 1,763,263; June 10.
 Shanks, Henry R., Dallas, Tex. Suspending wall board. 1,763,264; June 10.
 Shanks, William, Brooklyn, and W. B. Cater, Douglaston, N. Y., assignors to Vulcan Rail and Construction Company, Maspeth, Long Island, N. Y. Rail fitting. 1,782,017; Nov. 18.
 Shann, Oscar A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Substation apparatus. 1,762,745; June 10.
 Shann, Oscar A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Substation locking apparatus. 1,762,746; June 10.
 Shannon, Arthur E. (See Thorn, G. M., Warden, Blackburn, and Shannon.)
 Shannon, Don H., Detroit, Mich., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,762,246; June 10.
 Shannon, Ellwood M. (See Keen, J. S., and Shannon.)

- Shannon, James L., Longmeadow, Mass. Flash-light casing. Des. 82,853; Dec. 16.
- Shannon, James L., Springfield, Mass., assignor to Blake Manufacturing Company. Electric hand flash light. 1,762,895; June 10.
- Shannon, John R., and O. A. Ash, Douglas, Ariz., said Ash assignor to said Shannon. Carburetor. 1,771,357; July 22.
- Shannon, John W. (See Jahn, J. R., and Shannon.)
- Shannon, Meldrum D., Sacramento, Calif. Preparing pavement composition. 1,764,534; June 17.
- Shannon, Richard S., et al. (See Pollock, Martin C. and E. E., assignors.)
- Shannon, Richard S., Denver, Colo. Telephone-operated service station. 1,742,285; Jan. 7.
- Shannon Rotary Valve Motor Co. (See Jahn, J. R., and Shannon, assignors.)
- Shannon, Thomas G., assignor of one-half to F. T. Marquis, San Francisco, Calif. Collapsible kiddie car. 1,751,765; Mar. 25.
- Shannon, Warren F., Beaumont, Tex. Piston ring. 1,773,878; Aug. 26.
- Shapiro, A. S. (See Weisz, George R., assignor.)
- Shapiro, Abraham, Brooklyn, N. Y. Circuit-controlling device for steam generators. 1,770,255; July 8.
- Shapiro, Barnet, et al. (See Fairhill, Morris S., assignor.)
- Shapiro, Benny, et al. (See Fairhill, Morris S., assignor.)
- Shapiro, David H., New York, N. Y. Carrying case and pattern for making the same. 1,745,770; Feb. 4.
- Shapiro, Edward, Chelsea, Mass. Ice-cream cone. Des. 81,410; June 17.
- Shapiro, Hyman, assignor to S. Perla, Brooklyn, N. Y. Lamp or article of analogous nature. Des. 82,286; Oct. 14.
- Shapiro, Hyman, assignor to S. Perlo, Brooklyn, N. Y. Illuminated base for statuary and the like. Des. 82,454; Nov. 4.
- Shapiro, Hyman, assignor to A. Dorsey, New York, N. Y. Dial. 1,771,513; July 29.
- Shapiro, Joseph. (See Balton, James, assignor.)
- Shapiro, Lazarus. (See Goldsmith, A. N., and Shapiro.)
- Shapiro, Lazarus, New York, N. Y., assignor to Radio Corporation of America. Multiplex radioreceiver. 1,746,446; Feb. 11.
- Shapiro, Lazarus, Bronx, N. Y., assignor to Radio Corporation of America. Sound-reproducing machine. 1,762,247; June 10.
- Shapiro, Philip C., assignor to Siegel Manufacturing Company, Philadelphia, Pa. Electric fixture. 1,758,129; May 13.
- Shapiro, Sam A., Bronx, assignor, by mesne assignments, to A. Dorsey, New York, N. Y. Attachment for connecting tuning units to dial controls. 1,751,560; Mar. 25.
- Sharke, Emil O., Schulenburg, Tex. Wrench. 1,760,784; May 27.
- Sharlin, Solomon, Trenton, N. J. Electric fixture. Des. 81,029; Apr. 22.
- Sharman, Herbert B., and A. E. Burrage, Northampton, England. Vacuum cleaner. 1,783,058; Nov. 25.
- Sharp, Cecil D. (See Steen W. B., and Sharp.)
- Sharp & Dohme, Inc. (See Dohme, Alfred R. L., assignor.)
- Sharp & Dohme, Inc. (See Krantz, John C., jr., assignor.)
- Sharp & Dohme, Inc. (See Leonard, Veader, assignor.)
- Sharp, Fred H., Selina, Kans. Apparatus for resizing pistons. 1,782,077; Nov. 18.
- Sharp, Frederick E., Prescott, Wash. Leveling device for tractors. 1,753,807; Apr. 8.
- Sharp, Frederick E., Prescott, Wash. Traction control for combined harvesters. 1,763,265; June 10.
- Sharp, Herbert C., Kingston, Ontario, Canada. Card holder. 1,757,440; May 6.
- Sharp, John E. (See Andersen, E. F., and Sharp.)
- Sharp, John E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Machine for vacuumizing containers. 1,774,529; Sept. 2.
- Sharp, L. Alan, Avalon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Duct end outlet aligning means. 1,782,548; Nov. 25.
- Sharp, Lewis, Los Angeles, Calif. Sheet separator. 1,744,337; Jan. 21.
- Sharp, Louis E., Denver, Colo. Combined coal and gas furnace. 1,754,405; Apr. 15.
- Sharp, Lewis, Maywood, Calif. Sheet-feeding mechanism. 1,773,879; Aug. 26.
- Sharp, Robert E. B., Philadelphia, Pa., assignor to I. P. Morris Corporation. Hydraulic apparatus. 1,779,191; Oct. 21.
- Sharp & Smith. (See Straus, David C., assignor.)
- Sharp & Smith, Inc. (See Magnuson, Paul B., assignor.)
- Sharp, William E., Chicago, Ill. Exerciser casing. Des. 80,812; Mar. 25.
- Sharp, William E., and G. F. Sandstrom, Chicago, Ill., and G. H. Ridlon, South Whitley, Ind.; said Sandstrom and Ridlon assignors to said Sharp. Deflecting machine. 1,753,250; Apr. 8.
- Sharp, William E., Chicago, Ill. Bottle or the like. Des. 82,398; Oct. 28.
- Sharp, William E., Chicago, Ill. Combined stand and receptacle for a cleaning machine or the like. Des. 82,406; Oct. 28.
- Sharp, William L., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 80,749; Mar. 18.
- Sharp, William L., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 80,750; Mar. 18.
- Sharp, William L., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 80,751; Mar. 18.
- Sharp, William L., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 80,974; Apr. 15.
- Sharp, William L., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas-heater radiant. Des. 82,182; Sept. 30.
- Sharp, William L., assignor to The Ohio Foundry & Manufacturing Company, Steubenville, Ohio. Stove. 1,757,593; May 6.
- Sharp, William L., assignor to The Ohio Foundry & Manufacturing Company, Steubenville, Ohio. Gas heater. 1,777,154; Sept. 30.
- Sharp, William R. (See Lamb, T., and Sharp.)
- Sharpe, Harry D., Liverpool, England, assignor, by mesne assignments, to Associated Telephone & Telegraph Company, Kansas City, Mo. Rotary line-switch circuit. 1,757,224; May 6.
- Sharpe, Ira G., Liberty Center, Ohio. Machine for coring cabbages or the like. 1,756,262; Apr. 29.
- Sharpe Manufacturing Co., The. (See Allen, William C., assignor.)
- Sharples, Laurence P., Chester, assignor to The Sharples Specialty Company, Philadelphia, Pa. Separation of mixtures. 1,754,774; Apr. 15.
- Sharples, Laurence P., Chester, assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal treatment of substances. 1,761,593; June 3.
- Sharples, Philip T., Merion, assignor to The Sharples Specialty Company, Philadelphia, Pa. Absorption process. 1,766,195; June 24.
- Sharples, Philip T., Merion, assignor to The Sharples Specialty Company, Philadelphia, Pa. Recovery of benzol and the like. 1,766,196; June 24.
- Sharples Specialty Company, The. (See Bath, Wilmer H., assignor.)
- Sharples Specialty Company, The. (See Berline, Raoul M., assignor.)
- Sharples Specialty Company, The. (See Clark, Lee H., assignor.)
- Sharples Specialty Company, The. (See Jones, Leo D., assignor.)
- Sharples Specialty Company, The. (See Jones, L. D., and Ayres, assignors.)
- Sharples Specialty Company, The. (See Sharples, Laurence P., assignor.)
- Sharples Specialty Company, The. (See Sharples, Philip T., assignor.)
- Sharples Specialty Company. (See Taylor, L. A., and Osbourne, assignors.)
- Sharpless, Stewart L. (See Claybourn, L. W., and Sharpless.)
- Sharpville Boiler Works Co. (See Fagan, Charles D., assignor.)
- Sharrock and Pursel. (See Pursel, Harold M., assignor.)
- Sharrow, Percy A., East Windsor, Ontario, Canada. Pencil. 1,780,405; Nov. 4.
- Shaub, Benjamin M., Ithaca, N. Y. Drawing instrument. 1,751,366; Mar. 18.
- Shaughnessy, Bernhard F., Brooklyn, N. Y. Gas separator. 1,767,317; June 24.
- Shaver, Archibald G., Chicago, Ill., and B. W. Meisel, Crestwood, assignors to The Regan Safety Devices Company, Inc., New York, N. Y. Train-control system. 1,742,617; Jan. 7.
- Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Switch-control apparatus. 1,763,011; June 10.
- Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Induction train-control system. 1,773,155; Aug. 19.
- Shaver, Francis J., Long Beach, and Z. A. Dyer, Ventura, Calif. Cementing head. 1,743,626; Jan. 14.
- Shaver, Walter E., Schenectady, N. Y. Chromatic playing attachment for harmonicas. 1,780,368; Nov. 4.
- Shaw, A. B., assignor to D. M. Storey, D. E. Storey, E. M. Storey, Santa Monica, Calif., and S. E. Knapp and J. G. Whittemore, trustees. Tire valve. 1,744,338; Jan. 21.
- Shaw, A. B., assignor to D. M. Storey, Santa Monica, Calif. Paper clip or fastener. 1,783,678; Dec. 2.
- Shaw, Alfred. (See de Lamprecht, Rodolph, assignor.)
- Shaw, Arthur L., Chicago, assignor to Chicago Automatic Conveyor Co., Cicero, Ill. Conveyor chain. 1,765,945; June 24.
- Shaw, Burdette J., and J. M. Semple, assignors to Rosenberg Bros. & Co., Rochester, N. Y. Cloth folding and measuring machine. 1,743,491; Jan. 14.
- Shaw, Charles E., Cranford, N. J. Method and apparatus for operation of filter presses. 1,767,318; June 24.
- Shaw, Claude C., Camden, S. C. Warp-beam lock. 1,781,736; Nov. 18.
- Shaw-Crane-Putnam Machine Company. (See Beaman, Lora E., assignor.)
- Shaw Crane-Putnam Machine Company. (See Skidmore, R. P., and Voedisch, assignors.)
- Shaw Crane-Putnam Machine Company. (See Wall, George A., assignor.)
- Shaw, Elizabeth, et al. (See Weigant, Casper, assignor.)

- Shaw, Ernest C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Networks. 1,761,590; June 3.
- Shaw, Frederick R., Armstrong, British Columbia, Canada. Radio loud-speaker. 1,760,377; May 27.
- Shaw, George F., Mayfield, Ky. Golf-bag support. 1,752,114; Mar. 25.
- Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Brake for baby carriages. 1,752,269; Mar. 25.
- Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Hood. 1,753,629; Apr. 8.
- Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Baby carriage. 1,758,895; May 13.
- Shaw, Harold N., Milwaukee, Wis., assignor, by mesne assignments, to Global Corporation, Niagara Falls, N. Y. Electrical furnace. 1,742,286; Jan. 7.
- Shaw, Harold N., Milwaukee, Wis., assignor to Global Corporation, Niagara Falls, N. Y. Electrical heating unit. 1,767,816; June 24.
- Shaw, Harry A., assignor to Reo Motor Car Company, Lansing, Mich. Commercial vehicle. Des. 82,239; Oct. 7.
- Shaw, James, Lodi, Calif., assignor of one-third to C. H. Oehm and F. M. Oehm, Brooklyn, N. Y. Piston-ring peener. 1,785,212; Dec. 16.
- Shaw, James G., San Jose, Calif. Package sealing. 1,766,405; June 24.
- Shaw, John C., and R. D., assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Work-positioning mechanism for machine tools. 1,757,929; May 6.
- Shaw, John C. and R. D., assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Electric tracer control for lathes. 1,772,431; Aug. 5.
- Shaw, John C., and R. D. Shaw, assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Zeroizing scale for work-positioning mechanism for machine tools. 1,785,395; Dec. 16.
- Shaw, John F., London, England. Attachment for umbrellas, walking sticks, handles of tennis bats, and the like. 1,758,379; May 13.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. 1,744,988; Jan. 28.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Padlock. 1,779,716; Oct. 28.
- Shaw, John S., Fazakerley, and W. Heap, West Derby, Liverpool, England. Speed-varying gear. 1,758,859; May 13.
- Shaw, John W., Norwood, N. J. Awning-operating mechanism. 1,777,739; Oct. 7.
- Shaw, Louis E., East Orange, N. J., assignor, by mesne assignments, to Dejur-Amsco Corporation, New York, N. Y. Electric condenser. 1,786,134; Dec. 23.
- Shaw, Noble C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Relay system. 1,758,540; May 13.
- Shaw, Noble C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,770,673; July 15.
- Shaw-Perkins Manufacturing Company. (See Davis, Archibald H., jr., assignor.)
- Shaw-Perkins Manufacturing Company. (See Sonneborn, Charles, assignor.)
- Shaw, Robert D. (See Shaw, John C., and R. D.)
- Shaw, Thomas, Hackensack, N. J., assignor to American Telephone & Telegraph Company. Neutralizing transformer arrangement. 1,769,969; July 8.
- Shaw, Thomas, assignor to Atlas Drop Forge Co., Lansing, Mich. Crank-twisting machine. 1,779,017; Oct. 21.
- Shaw, Thomas E., assignor of three-fourths to The W. E. Flooding Company, Atlanta, Ga. Garment. 1,783,485; Dec. 2.
- Shaw, Thomas P., and G. W. Rakestraw, Blackwell, Ga. Mail box. 1,748,637; Feb. 25.
- Shaw Van, Walter S., Philadelphia, Pa. Game-scoring device. 1,765,456; June 24.
- Shaw-Walker Company, The. (See Hunter, David E., assignor.)
- Shaw, Wallace W., Chicago, Ill. Automatic backwater valve. 1,753,724; Apr. 8.
- Shaw, Wallace W., Chicago, Ill. Sectional ash container. 1,769,317; July 1.
- Shaw, Wesley J., assignor to New England Wood Heel Co., Haverhill, Mass. Machine for grooving wood heels. 1,748,367; Feb. 25.
- Shaw, Wesley J., assignor to New England Wood Heel Co., Haverhill, Mass. Machine for grooving wood-heel blocks. 1,748,368; Feb. 25.
- Shaw, Wesley J., assignor to New England Wood Heel Co., Haverhill, Mass. Repaired last. 1,757,594; May 6.
- Shaw, Wesley J., assignor to New England Wood Heel Co., Haverhill, Mass. Machine for concaving wood-heel blocks. 1,761,026; June 3.
- Shaw, William E. V., Minneapolis, Minn. Bumper rack. 1,780,209; Nov. 4.
- Shaw, William S., Boise, Idaho. Street indicator. 1,758,476; May 13.
- Shawmut Engineering Company. (See Bixby, Walter, assignor.)
- Shawmut Engineering Company. (See Hall, B., and Hathaway, assignors.)
- Shawmut Engineering Company. (See Hathaway, Edgar F., assignor.)
- Shawmut Engineering Company. (See Hathaway, E. F., and Bixby, assignors.)
- Shay, Ralph R., assignor, by mesne assignments, to T. A. Banning, jr., Chicago, Ill. Moistener for gummed strips and the like. 1,783,679; Dec. 2.
- Shea, Elizabeth C. (See La Paugh, L. T., and Shea.)
- Shea, Emily, assignor to G. M. Shea, Chicago, Ill. Sanitary belt. 1,773,880; Aug. 26.
- Shea, Gladys M. (See Shea, Emily, assignor.)
- Shea, Thomas J., assignor of sixty one-hundredths to L. F. Knowlton, Portland, Oreg. Tank and joint for forming same. 1,765,946; June 24.
- Shea, Thomas J., assignor of sixty one-hundredths to L. F. Knowlton, Portland, Oreg. Tank and roof structure therefor. 1,765,947; June 24.
- Shea, Timothy E., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave transmission. 1,743,691; Jan. 14.
- Shea, Timothy E., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission network. 1,752,461; Apr. 1.
- Shea, Timothy E., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave filter. 1,752,579; Apr. 1.
- Shea, Timothy E., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Loading system. 1,772,558; Aug. 12.
- Sheaffer, George, Hollywood, Calif. Brake-lining tightener. 1,750,056; Mar. 11.
- Sheaffer, W. A., Pen Co. (See Casey, Robert W., assignor.)
- Sheaffer, W. A., Pen Co. (See Cuthbert, W. R., and Sodeberg, assignors.)
- Sheaffer, Walter A., and W. R. Cuthbert, Fort Madison, Iowa; said Cuthbert assignor, by mesne assignments, to Pen Desk Set Company. Fountain-pen desk stand. 1,783,630; Dec. 2.
- Sheahan, Frank I., assignor to M. H. Detrick Company, Chicago, Ill. Furnace-wall construction. 1,767,406; June 24.
- Shean, Joseph W., Spearville, Kans. Heavier-than-air craft. 1,746,320; Feb. 11.
- Sheard, Joseph H., assignor to David Lupton's Sons Company, Philadelphia, Pa. Hinge. 1,768,793; July 1.
- Sheard, Joseph H., assignor to David Lupton's Sons Company, Philadelphia, Pa. Ventilating system. 1,768,794; July 1.
- Shearer, Frederick C., Peoria, Ill., assignor of one-third to C. A. Swanagan, Terre Haute, Ind., and one-third to D. L. Beezley, Peoria, Ill. Advertising display mechanism. 1,773,707; Aug. 19.
- Shearer, Harry T., assignor to Landis Machine Company, Waynesboro, Pa. Die head. 1,760,567; May 27.
- Shearer, Harry T., assignor to Landis Machine Company, Waynesboro, Pa. Die head. 1,760,568; May 27.
- Shearer, Hayden R., Indianapolis, Ind. Surgical knife. 1,744,583; Jan. 21.
- Shearer, John P., Newark, N. Y. Folding paper boxes. 1,765,104; June 17.
- Shears, Sumner S., Brooklyn, N. Y. Vehicle spring. 1,763,192; June 10.
- Sheaser, Andrew, Long Beach, Calif. Hospital truck. 1,775,785; Sept. 16.
- Sheats, John H., assignor to Frigidaire Corporation, Dayton, Ohio. Pump for refrigerating apparatus. 1,768,638; July 1.
- Shedd, Hugh F., Minneapolis, Minn. Retainer. 1,775,374; Sept. 9.
- Sheborgan Couch Company. (See Meves, Charles W., assignor.)
- Sheedy, Frank T., H. C. Wood, and L. Traung, assignors to The Traung Company, San Francisco, Calif. Transfer press. 1,783,888; Dec. 2.
- Sheehan, John F., et al. (See Zim, Jesse G., assignor.)
- Sheehan, Raymond J., Tulsa, Okla. Pipe clamp. 1,774,530; Sept. 2.
- Sheehan, William M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive-ash-pan structure. 1,745,123; Jan. 28.
- Sheehan, William M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Hopper-car structure. 1,745,124; Jan. 28.
- Sheehan, William M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive mud ring. 1,757,340; May 6.
- Sheehan, William M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,766,406; June 24.
- Sheer, H. M., Company. (See Stollberg, Walter C., assignor.)
- Sheer, H. M., Company. (See Williams, James R., assignor.)
- Sheer, H. M., Company. (See Williams, Robert T., assignor.)
- Sheffield, Albert H., Kansas City, Kans. Terra-cotta-firing system. 1,749,988; Mar. 11.
- Sheffield, Charles, Clinton, Conn. Knee protector for trousers. 1,785,396; Dec. 16.
- Shefras, Solomon, London, England. Amusement-device case. Des. 82,227; Oct. 7.
- Sheftel, Abraham G., New York, N. Y. Sugar testing. 1,769,862; July 1.

- Shehan, William E., and G. Bell, Los Angeles, Calif. Closed-car wind-wing bracket. 1,786,635; Dec. 30.
- Shehyn, Joseph A., Quebec, Quebec, Canada. Loose-leaf sample system. 1,770,325; July 8.
- Sheirs, William J., Brooklyn, N. Y. Automobile clutch-control mechanism. 1,747,190; Feb. 18.
- Shakter, Adela F., Jamaica, N. Y. Enema pad. 1,780,800; Nov. 4.
- Shelander, Adolph N. (See Abrams, Victor R., assignor.)
- Shelburne, Samuel P., and A. O. Campbell, Oklahoma City, Okla. Building front. Des. 80,541; Feb. 18.
- Shelby, Helene A., Oakland, Calif. Apparatus for obtaining criminal confessions and photographically recording them. 1,749,090; Mar. 4.
- Shelby Spring Hinge Company, The. (See Hubbs, H. E., and Malone, assignors.)
- Shelden, Charles C., assignor to Walter Bates Steel Corporation, Gary, Ind. Grating. 1,768,157; June 24.
- Sheldon, Amy, assignor to The Russell Manufacturing Company, Middletown, Conn. Webbing for suspenders, garters, and similar articles. Des. 80,500; Feb. 11.
- Sheldon, Frank J. (See Kirchner, W., and Sheldon.)
- Sheldon, Gayle, Chicago, Ill. Corset and the like. 1,776,199; Sept. 16.
- Sheldon, Harry E., Pittsburgh, Pa. Mechanism for casting annealing-box covers. 1,777,506; Oct. 7.
- Sheldon, Waldo, South Norwalk, Conn. Well-drill rotary table. 1,772,368; Aug. 5.
- Sheldon, Waldo, South Norwalk, Conn. Well-bailing pump. 1,772,369; Aug. 5.
- Sheldon, Waldo, South Norwalk, Conn. Hoisting apparatus. 1,772,370; Aug. 5.
- Sheldon, Waldo, South Norwalk, Conn. Well-drilling apparatus. 1,774,531; Sept. 2.
- Sheldon, Waldo, South Norwalk, Conn. Packing for rotary well drilling. 1,776,797; Sept. 30.
- Sheldon, Waldo, South Norwalk, Conn. Well-drilling apparatus. 1,781,706; Nov. 18.
- Sheldon, Waldo, South Norwalk, Conn. Well-drilling apparatus. 1,781,707; Nov. 18.
- Sheldrake, Theodore E., Philadelphia, Pa. Fastening loose ends of tire chains. 1,781,708; Nov. 18.
- Sheldrick, Laurence S., assignor to Ford Motor Company, Dearborn, Mich. Instrument panel. Des. 82,710; Dec. 2.
- Shelgren, Walter F., Bradford, Pa. Vanity case. 1,757,946; May 6.
- Shelgren, Walter F., Bradford, Pa. Vanity case. 1,765,033; June 17.
- Shelhamer, Lester W., Oak Park, Ill. Truck load sections or trays. 1,782,667; Nov. 25.
- Shell Company of California. (See Whitaker, Charles N., assignor.)
- Shell Development Company. (See Kramer, Gustav A., assignor.)
- Shell Development Company. (See Taylor, Jack F. M., assignor.)
- Shell Development Company. (See Yates, Wallace J., assignor.)
- Shell Oil Company. (See Koch, George P., assignor.)
- Shell Petroleum Corporation. (See Carney, Samuel C., assignor.)
- Shelley, Frederick H., Bladensburg, Md. Educational appliance. 1,751,106; Mar. 18.
- Sheller, Harry E., assignor to Sheller Wood Rim Manufacturing Company, Inc., Portland, Ind. Steering wheel. 1,779,219; Oct. 21.
- Sheller, John C., Maywood, assignor to W. B. Hintze, Chicago, Ill. Locking device. 1,758,337; May 13.
- Sheller Wood Rim Manufacturing Company. (See Sheller, Harry E., assignor.)
- Shelley, Edgar E. and W. S., Newark, N. J., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel machine. 1,769,238; July 1.
- Shelley, Winfield S. (See Shelley, Edgar E. and W. S.)
- Shelmire, Stanley R., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Spool support for knitting machines. 1,777,681; Oct. 7.
- Shelton, Charles F., Los Angeles, Calif. Hose connection for air gauges. 1,760,323; May 27.
- Shelton, Charles S., Seattle, Wash. Waterproofing composition. 1,778,964; Oct. 21.
- Shelton, Donald C., Cambridge, Mass. Scalp-treating apparatus. 1,772,501; Aug. 12.
- Shelton, Dwight J. (See King, C. B., Jacoby, and Shelton.)
- Shelton, Edward L., Memphis, Tenn. Combined license-tag mounting and signal and tail light. 1,783,316; Dec. 2.
- Shelton, Jack F., Memphis, Tenn. Furnace. 1,780,984; Nov. 11.
- Shelton, Jack F., Memphis, Tenn. Seed pan. 1,780,985; Nov. 11.
- Shelton Jancke Corporation. (See Shelton, William G., assignor.)
- Shelton, Jesse M., Atlanta, Ga. Stadium chair. 1,752,208; Mar. 25.
- Shelton, William G., St. Louis, Mo. Hair-waving equipment. 1,756,837; Apr. 29.
- Shelton, William G., St. Louis, Mo. Hair drier. 1,760,997; June 3.
- Shelton, William G., St. Louis, Mo. Hair-waving equipment. 1,771,584; July 29.
- Shelton, William G., St. Louis, Mo. Hair-waving pad. 1,771,585; July 29.
- Shelton, William G., St. Louis, Mo. Hair-waving device. 1,778,838; Oct. 21.
- Shelton, William G., St. Louis, Mo. Hair-waving appliance. 1,778,870; Oct. 21.
- Shelton, William G., assignor to Shelton Jancke Corporation, New York, N. Y. Hair-curling appliance. 1,745,275; Jan. 28.
- Shenango-Penn Mold Company. (See Schulthorpe, Ray, assignor.)
- Shenango-Penn Mold Company. (See Tickner, F. W., and Thomas, assignors.)
- Shenkin, Moe, New York, N. Y. Cigarette dispenser or similar article. 82,183; Sept. 30.
- Sheo Hardware Company, The. (See Heffrin, Edward L., assignor.)
- Shepard, Alban F., Richmond, England. Converting rotary into reciprocating motion and vice versa. 1,783,589; Dec. 2.
- Shepard, Albert L. (See Prigan, Ernest W., assignor.)
- Shepard, Carl A., Des Moines, Iowa. Door hinge and stop. 1,766,197; June 24.
- Shepard, Frederick J., jr. (See Lewis, A. L., and Shepard.)
- Shepard, Frederick J., jr., et al. (See Warshaw, Nathaniel, assignor.)
- Shepard, Hubert L. (See Shepard, Lawrence E. and H. L.)
- Shepard, James A., assignor to Shepard-Niles Crane & Hoist Corporation, Montour Falls, N. Y. Crane hoist. 1,765,347; June 17.
- Shepard, Lawrence E. and H. L., Los Angeles, Calif. Well packer. 1,766,766; June 24.
- Shepard-Niles Crane & Hoist Corporation. (See Shepard, James A., assignor.)
- Shepard, Oscar F., Cincinnati, Ohio. Elevator control. 1,743,627; Jan. 14.
- Shepard, William A., Moberly, Mo. Pad-forming machine. 1,777,231; Sept. 30.
- Sheperd, Edward S., assignor to A. D. Stewart, St. Joseph, Mo. Process and apparatus for producing felted fibrous board. 1,782,214; Nov. 18.
- Sheperd, Edward S., assignor to A. D. Stewart, St. Joseph, Mo. Apparatus for producing felted fibrous board. 1,782,215; Nov. 18.
- Sheperd, Raymond E., Mount Vernon, N. Y. Combined insulator and shunt-circuit closer. 1,761,496; June 3.
- Sheperdson, John W. (See George, J. R., and Sheperdson.)
- Sheperdson, John W., assignor to Morgan Construction Company, Worcester, Mass. Method and apparatus for the manufacture and conditioning of skelp bar. 1,782,700; Nov. 25.
- Shepherd, B. Chaffey, et al. (See Anglemeyer, Herman B., assignor.)
- Shepherd, Charles B., New York, N. Y., assignor, by mesne assignments, to The P & M Company, Chicago, Ill. Tool for applying rail anchors. 1,746,288; Feb. 11.
- Shepherd, Charles B., New York, N. Y., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,753,755; Apr. 8.
- Shepherd, Charles B., New York, N. Y., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,756,071; Apr. 29.
- Shepherd, Charles B., New York, N. Y., assignor, by mesne assignments, to The P & M Company, Chicago, Ill. Rail anchor. 1,777,583; Oct. 7.
- Shepherd, Charles B., Springfield, Mass., assignor, by mesne assignments, to The P & M Company, Chicago, Ill. Rail anchor. 1,780,444; Nov. 4.
- Shepherd, Irving L., Elyria, Ohio. Pump. 1,777,052; Sept. 30.
- Shepherd, James D., Chicago, Ill. Shoe. 1,744,246; Jan. 21.
- Shepherd, John E., assignor to National Cold Steam Company, Charlottesville, Va. Method and apparatus for creating colloidal atomization. 1,748,248; Feb. 25.
- Shepherd, Judson O., Atlanta, Ga. Supervisory and control system. 1,786,780; Dec. 30.
- Shepherd, Maurice, Partington, England. Playing card. Des. 82,113; Sept. 23.
- Shepherd, Richard. (See De Long, H., Lely, and Shepherd.)
- Shepherdson, Arnold. (See Gibson, W., Hailwood, Payman, and Shepherdson.)
- Shepherdson, Arnold, and A. J. Hailwood, assignors to British Dyestuffs Corporation Limited, Manchester, England. 1-hydroxylamino-8-sulpho-anthraquinone. 1,767,230; June 24.
- Shepherdson, Arnold, and A. J. Hailwood, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of new vat dyes and intermediates derived from pyranthrone. 1,776,200; Sept. 16.
- Shepherdson, Arnold, and W. W. Tatum, assignors to British Dyestuffs Corporation Limited, Manchester, England. Anthraquinone dyes. 1,761,369; June 3.
- Shepherdson, Arnold, and W. W. Tatum, assignors to British Dyestuffs Corporation Limited, Manchester, England. New anthraquinone dye and dyeing therewith. 1,761,370; June 3.
- Shepherdson, Arnold, and S. Thornley, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of pyranthrone derivatives. 1,785,600; Dec. 16.
- Shepherdson, Arnold, and S. Thornley, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of pyranthrone derivatives. 1,785,601; Dec. 16.

- Shepherdson, Arnold, W. W. Tatum, and H. M. Bunbury, assignors to British Dyestuffs Corporation, Limited, Manchester, England. Manufacture of halogenated anthraquinones. 1,776,932; Sept. 30.
- Shepley, Charles R., Minneapolis, Minn. Reversible hoisting device. 1,770,555; July 15.
- Sheppard, Albert K., Port Hammond, British Columbia, Canada. Lifter. 1,768,937; July 1.
- Sheppard, Charles E., New York, N. Y. Binder. 1,746,015; Feb. 4.
- Sheppard, Samuel E., and L. W. Eberlin, Rochester, N. Y., assignors, by mesne assignments, to American Anode, Inc. Rubber emulsion and making the same. 1,769,717; July 1.
- Sheppard, Samuel E., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Antiabrasion photographic coating. 1,762,935; June 10.
- Sheppard, Samuel E., and J. G. McNally, Rochester, N. Y. Dye-carrying layer for photographic films and the like. 1,768,795; July 1.
- Sheppard, Samuel E., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose film. 1,784,758; Dec. 9.
- Sheppard, Samuel E., and E. P. Wightman, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic light-sensitive material and making same. 1,763,989; June 17.
- Sheppard, Samuel E., and E. P. Wightman, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic light-sensitive material and making same. 1,763,990; June 17.
- Sheppard, William H., Worcester, Mass. Patch-applying mechanism for envelope machines. 1,766,693; June 24.
- Shepperd, Lester W. (See Glover, M. S., Henson, and Shepperd.)
- Sheppy, Charles L., assignor to The Pierce Arrow Motor Car Company, Buffalo, N. Y. Liquid filter. 1,758,412; May 13.
- Shera, John W., Oak Park, assignor to American Flange & Manufacturing Co., Chicago, Ill. Die mechanism. 1,777,772; Oct. 7.
- Sheras, Morris, Manistee, Mich. Sign. 1,776,955; Sept. 30.
- Sherbondy, William E., Cleveland, Ohio. Carpet sweeper. 1,750,944; Mar. 18.
- Sherburne, Charles H. (See Bridgham, Arthur L., assignor.)
- Sherburne, Gardner. (See Howell, W., and Sherburne.)
- Sherer, Ralph, Mesa, assignor of one-half to C. R. Jones, Phoenix, Ariz. Separating materials of varying degrees of conductivity. 1,744,989; Jan. 28.
- Sheridan, Clarence F., Detroit, Mich. Quick-change punch and holder therefor. 1,783,028; Nov. 25.
- Sheridan Iron Works, The, et al. (See Bredenberg, Alfred, assignor.)
- Sheridan, Leslie M., Coppercliff, Ontario, Canada. Power-transmitting device. 1,765,948; June 24.
- Sheridan, Phil. (See Linga, Torbjorn, assignor.)
- Sheridan, T. W. & C. B., Company, et al. (See Bredenberg, Alfred, assignor.)
- Sherling, Emmet L., and G. E. Cunningham, Macon, Ga. Dusting machine. 1,758,065; May 13.
- Sherlock, Robert, Toronto, Ontario, Canada. Pipe roof flashing. 1,762,896; June 10.
- Shermak, Louis. (See Brutofski, S. J., Armstrong, and Shermak.)
- Sherman, Alvin G., Grosse Pointe, assignor to Detroit Vapor Stove Company, Detroit, Mich. Handle for stove doors and the like. Des. 80,291; Jan. 7.
- Sherman, Alvin G., Grosse Pointe, assignor to Detroit Vapor Stove Company, Detroit, Mich. Handle for stove doors and the like. Des. 80,292; Jan. 7.
- Sherman, Alvin G., assignor to Detroit Vapor Stove Company, Detroit, Mich. Temperature regulator for stoves. Des. 82,001; Sept. 9.
- Sherman, Alvin G., Grosse Pointe, assignor to The Detroit Vapor Stove Company, Detroit, Mich. Stove construction. 1,755,671; Apr. 22.
- Sherman, Alvin G., Grosse Pointe, and A. Meadows, Detroit, assignors to The Detroit Vapor Stove Company, Detroit, Mich. Apparatus for enameling metal articles. 1,787,175; Dec. 30.
- Sherman, Clifton W., Hamilton, Ontario, Canada, assignor to Hall Draft Gear Corporation, Buffalo, N. Y. Shock absorber. 1,771,320; July 22.
- Sherman, Clifton W., and J. M. Hall, Hamilton, Ontario, Canada, assignors to Hall Draft Gear Corporation, Buffalo, N. Y. Shock absorber. 1,770,674; July 15.
- Sherman, Delmar C., Chattanooga, Tenn. Rope guide. 1,774,616; Sept. 2.
- Sherman, Delmar C., Chattanooga, Tenn., assignor to Williamsport Wire Rope Company. Reverse-controlled operating mechanism. 1,749,783; Mar. 11.
- Sherman, Duane, Poughkeepsie, N. Y. Life-saving attachment for submarines. 1,778,569; Oct. 14.
- Sherman, Harold W., Green Bay, Wis. Cutting device. 1,751,293; Mar. 18.
- Sherman, Harold F., Northboro, Mass. Woven fabric and weaving the same. 1,775,144; Sept. 9.
- Sherman, Howard B., and D. P. Ordway, assignors to American Stamping Co., Battle Creek, Mich. Combination holder for razor blades and paper. 1,770,289; July 8.
- Sherman, Jacob S., assignor to Universal Lamp Co., Chicago, Ill. Tobacco humidifier. Des. 82,062; Sept. 16.
- Sherman, John C., Gorham, Me. Apparatus for exchanging safety-razor blades. 1,780,949; Nov. 11.
- Sherman, John C., Gorham, Me., assignor to Brown Company, Berlin, N. H. Method of and apparatus for making conduits by extrusion. 1,780,948; Nov. 11.
- Sherman, John Q. (See Metzner, Albert W., assignor.)
- Sherman, John Q., Dayton, Ohio, assignor to The Standard Register Company. Cash-drawer manifolding device. 1,767,486; June 24.
- Sherman, John Q., Dayton, Ohio, assignor to The Standard Register Company. Manifolding register. 1,779,450; Oct. 28.
- Sherman, John Q. and A. W. Metzner, Dayton, Ohio, assignors to The Standard Register Company. Manifolding machine. 1,745,587; Feb. 4.
- Sherman, John Q., and A. W. Metzner, Dayton, Ohio, assignors to The Standard Register Company. Gravity manifold-aligning device. 1,745,648; Feb. 4.
- Sherman, John Q., and A. W. Metzner, Dayton, Ohio, assignors to The Standard Register Company. Manifolding device. 1,754,057; Apr. 8.
- Sherman, Max, San Francisco, assignor of one-half to V. V. Greco, San Jose, Calif. Collapsible box. 1,745,317; Jan. 28.
- Sherman, Max C., and L. P. Hoff, Philadelphia, Pa., assignors to F. H. Dunbar, Cleveland, Ohio. Lining border. 1,754,775; Apr. 15.
- Sherman, Rallston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Oil stove. 1,783,392; Dec. 2.
- Sherman, Thomas L., assignor to Michell-Crankless Engines Corporation, New York, N. Y. Crankless engine. 1,769,552; July 1.
- Sherman, Thomas L., Melbourne, Australia, assignor to Michell-Crankless Engines Corporation, New York, N. Y. Crankless engine. 1,780,365; Nov. 4.
- Sherman, Warren S., Oklahoma City, Okla. Traffic marker. 1,766,841; June 24.
- Sherman, Warren S., Oklahoma City, Okla. Street marker. 1,785,602; Dec. 16.
- Sherover, Max, assignor to International Merchandising Syndicate, Inc., New York, N. Y. Mattress covering or similar article. Des. 82,287; Oct. 14.
- Sherover, Max, assignor to Golding Bros. Company, Inc., New York, N. Y. Mattress cover. Des. 82,707; Dec. 2.
- Sherlock, Samuel T., assignor to E. S. Kassler, Jr., and T. P. Campbell, trustees, Denver, Colo. Lubricant. 1,758,265; May 13.
- Sherrell, Richard M., Evanston, Ill., assignor to Central Scientific Company. Display device. 1,744,680; Jan. 21.
- Sberry, James A., Fall River, Mass. Amusement device. 1,759,170; May 20.
- Sherts, James H., Brackenridge, Pa., assignor to Duplate Corporation. Apparatus for making composite glass. 1,783,985; Dec. 9.
- Sherts, James H., Brackenridge, and R. E. Hamill, Tarentum, Pa., assignors to Duplate Corporation. Making laminated glass. 1,781,084; Nov. 11.
- Sherts, James H., Glenn Ridge, N. J., assignor to Duplate Corporation. Preparing composite glass for sealing. 1,785,099; Dec. 16.
- Sherts, James H., Glen Ridge, N. J., and W. O. Lytle, New Kensington, Pa., assignors to Duplate Corporation. Removing defects of joinder from composite glass plates. 1,755,274; Apr. 22.
- Sherwan, August C., Milwaukee, Wis., assignor to Westinghouse Electric & Manufacturing Company. Spacer. 1,750,286; Mar. 11.
- Sherwig, John M., Sharon, Pa. Dirigible headlight. 1,780,445; Nov. 4.
- Sherwin, S. L., et al. (See Franchere, H. A., and Jepp, assignors.)
- Sherwin-Williams, The. (See Holton, Edward C., assignor.)
- Sherwin-Williams Company, The. (See Hain, Henry J., assignor.)
- Sherwood, George, Minneapolis, Minn., assignor to G. W. Van Vuren, Chippewa Falls, Wis. Washboard. 1,771,725; July 29.
- Sherwood, Glenn L., Oak Park, Ill. Toy electric crane. 1,745,276; Jan. 28.
- Sherwood, Lester L., Los Angeles, Calif. Certificate holder. 1,771,658; July 29.
- Sherwood, Lester L., Los Angeles, Calif. Directory attachment for telephones. 1,778,042; Oct. 14.
- Sherwood, Lewis R., and T. L. Little, Lakewood, Ohio. Double-compartment money till. 1,754,911; Apr. 15.
- Sherwood, Walter N., North Hoosick, N. Y. Paper-pulp beater. 1,780,845; Nov. 4.
- Sherwood, Will I., Upper Montclair, N. J. Dispensing support for roll paper. 1,745,771; Feb. 4.
- Shestakoff, Peter. (See Petroff, G., and Shestakoff.)
- Shetler, Melvin, Flint, Mich. Water softening and regenerating apparatus. 1,778,280; Oct. 14.
- Shetzline Roy A., New York, N. Y., assignor to American Telephone and Telegraph Company. Electrical protective system. 1,744,058; Jan. 21.
- Shevlin, Joseph P., Chicago, Ill., assignor, by mesne assignments, to G. F. A. Mayle, London, England. Hydraulic jack. 1,784,116; Dec. 9.
- Shewmon, Dan D., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for measuring the liquid contents of vessels. 1,759,873; May 27.

- Shibly, Nassif E., Wheeling, W. Va. Aeroplane. 1,758,204; May 13.
- Shibuya, Sojiro F., San Francisco, Calif. Angle tri-sector. 1,764,581; June 17.
- Shied, Michael F., Rochester, N. Y. Miniature floor furnace. 1,758,860; May 13.
- Shield, Paul S. (See Betts, A. L., and Shield.)
- Shield, Paul S., assignor to Augustine Davis, jr., Cincinnati, Ohio. Selective valve-actuating means. 1,755,153; Apr. 15.
- Shield, Paul S., assignor to A. Davis, jr., Cincinnati, Ohio. Lock cover for cans. 1,760,888; June 3.
- Shield, Paul S., assignor to A. Davis, jr., Cincinnati, Ohio. Tank delivery structure. 1,762,533; June 10.
- Shield, Paul S., assignor to A. Davis, jr., Cincinnati, Ohio. Mounting of vehicle bodies. 1,773,692; Aug. 19.
- Shields, Andrew G., Attleboro, Mass. Toilet-accessories container. Des. 81,732; July 29.
- Shields, Andrew G., Attleboro, Mass. Toilet-accessories container. Des. 81,733; July 29.
- Shields, Andrew G., assignor to Filikwik Company, Attleboro, Mass. Cosmetic pencil and mirror container. 1,745,869; Feb. 4.
- Shields, Benjamin F., and C. G. Crombie, Seattle, Wash. Friction brake. 1,767,621; June 24.
- Shields, Elmer H., and O. E. Suetterlin, assignors of one-third to W. B. Price, Maryville, Mo. Oil-change indicator. 1,754,191; Apr. 8.
- Shields, George A., San Rafael, Calif. Shelf. 1,762,669; June 10.
- Shields, Harry A., Grand Rapids, Mich. Steaming and drying machine. 1,763,193; June 10.
- Shields, Henry B., Freeport, assignor to International Motor Company, New York, N. Y. Transmission brake. 1,754,236; Apr. 15.
- Shields, Henry B., Freeport, assignor to International Motor Company, New York, N. Y. Brake system for six-wheel drives. 1,763,868; June 17.
- Shields, James J., Guelph, Ontario, Canada. Gate operating and locking mechanism. 1,783,753; Dec. 2.
- Shields, John A., Auburn, Calif. Grappling hook. 1,772,784; Aug. 12.
- Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Jewelry container. Des. 82,646; Nov. 25.
- Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Forming jewelry cases and similar containers. 1,770,533; July 15.
- Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Sheet-metal box. 1,770,534; July 15.
- Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Holder for pens and pencils. 1,776,295; Sept. 23.
- Shields, L. J. (See Kurtz, Charles F., assignor.)
- Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Suspender buckle or the like. Des. 81,075; Apr. 29.
- Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Suspender buckle or the like. Des. 81,112; May 6.
- Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Suspender-end top link. Des. 82,854; Dec. 16.
- Shields, Nicholas J., San Luis Obispo, assignor of one-half to J. W. Cushing, San Francisco, Calif. Coating and manufacturing the same. 1,742,520; Jan. 7.
- Shields, Patrick W., Pittsburgh, Pa. Method and apparatus for carbonating. 1,768,158; June 24.
- Shields, Patrick W., assignor to McKenna Brass & Manufacturing Company, Inc., Pittsburgh, Pa. Apparatus for filling bottles. 1,742,287; Jan. 7.
- Shields, Patrick W., assignor to McKenna Brass & Manufacturing Company, Pittsburgh, Pa. Bottle-filling machine. 1,742,288; Jan. 7.
- Shields, Patrick W., assignor to McKenna Brass & Manufacturing Co., Pittsburgh, Pa. Carbonating apparatus. 1,746,873; Feb. 11.
- Shields, Walter A., Brooklyn, N. Y. Smoke-ring-emitting device. 1,771,358; July 22.
- Shifflett, Samuel B., Braddock, Va., assignor to W. D. Diamond. Lady's hand bag. 1,775,476; Sept. 9.
- Shiffman, Jerome, and R. Mishel, Brooklyn, N. Y. Crystal-setting device. 1,746,016; Feb. 4.
- Shiffrin, Nathan. (See Schneyer, M. D., and Cochin, assignors.)
- Shigyo, Hachiro, San Francisco, Calif. Vacuum cleaner. 1,755,969; Apr. 22.
- Shilling, Edward C., Columbus, assignor of one-half to J. Dagger, Urbana, Ohio. Safety bumper for automobiles. 1,761,994; June 3.
- Shimer, Abraham A., assignor to Hercules Powder Company, Wilmington, Del. Apparatus for pulling stumps. 1,776,089; Sept. 16.
- Shimer, Elmer S. and H. L., assignors to Samuel J. Shimer & Sons, Milton, Pa. Cutter heads. 1,780,846; Nov. 4.
- Shimer, Harold L. (See Shimer, Elmer S. and H. L.)
- Shimer, Samuel J., & Sons. (See Shimer, Elmer S. and H. L., assignors.)
- Shimmin, John T., Hurley, N. Mex. Apparatus for separating solids from liquids or liquors by filtration. 1,752,758; Apr. 1.
- Shiner, Harry M., York, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Chain fastener. 1,761,688; June 3.
- Shinn, Charles P., New York, N. Y. Sandwich board. Des. 81,894; Aug. 26.
- Shinn, David A., Livingston, Wis. Chimney-sweeping apparatus. 1,770,436; July 15.
- Shinn, Forrest S., Aurora, Ill. Seasoning wood. 1,763,070; June 10.
- Shinn, Orion, Oklahoma City, Okla. Telephone dial-turning stick. 1,772,325; Aug. 5.
- Shinn, Roy J. (See Miller, W. E., Shinn, and Grove.)
- Shinn, William C., assignor to Chicago Lock Company, Chicago, Ill. Lock. 1,761,092; June 3.
- Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. Des. 81,411; June 17.
- Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,746,910; Feb. 11.
- Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,747,397; Feb. 18.
- Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,749,960; Mar. 11.
- Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,758,861; May 13.
- Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,760,783; May 27.
- Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,542; June 3.
- Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Indicating mechanism for cash registers. 1,761,643; June 3.
- Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,644; June 3.
- Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,689; June 3.
- Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,786,964; Dec. 30.
- Shipley, Grant B. (See Alinder, H., and Shipley.)
- Shipley, Grant B., and H. Alinder, Pittsburgh, Pa., assignors, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Annealing furnace. 1,782,481; Nov. 25.
- Shipley, Roy A., Canton, Ohio, assignor to National Fire Proofing Company, Pittsburgh, Pa. Apparatus for manufacturing hollow tile. 1,752,702; Apr. 1.
- Shipley, Stanley D., Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del. Brushing lacquer. 1,744,085; Jan. 21.
- Shipman, Bennet C., San Francisco, Calif. Refrigerating apparatus and system. 1,775,296; Sept. 9.
- Shipman, Emanuel F., Philadelphia, Pa. Insulating non-tilting stool. 1,786,458; Dec. 30.
- Shipman, Robert L., assignor of one-half to E. D. Sprague, Bridgeport, Conn. Ice-harvesting system. 1,745,277; Jan. 28.
- Shipman, Robert L., assignor of one-half to E. D. Sprague, Bridgeport, Conn. Eccentric-concentric heat exchanger. 1,763,012; June 10.
- Shipman, William H. N. (See Dauer, L. E., and Shipman.)
- Shipner, John R., assignor to The Cudahy Packing Company, Omaha, Nebr. Lard product and making the same. 1,755,135; Apr. 15.
- Shipp, Clarence C., Indianapolis, Ind. Radiator thermostat mounting. 1,748,088; Feb. 25.
- Shipp, Clarence C., Indianapolis, Ind. Middle-section heater for radiators. 1,771,586; July 29.
- Shipp, Clarence C., Indianapolis, Ind. Radiator-box base end closure. 1,773,469; Aug. 19.
- Shipp, Clarence C., Indianapolis, Ind. Radiator box base. 1,775,410; Sept. 9.
- Shipp, Walter E., Washington, D. C. Advertising device or similar article. Des. 82,350; Oct. 21.
- Shippee, Charles W., Boston, Mass. Automobile headlight. 1,764,474; June 17.
- Shiraishi, Paul M., Paaulo, Hawaii. Vase. 1,762,082; June 3.
- Shireman, Abel F., Vancouver, Wash. Fish catch. 1,747,033; Feb. 11.
- Shirk, George R., and J. V. Mohler, Oelwein, Iowa. Refrigerating, heating, and ventilating apparatus for cars. 1,747,683; Feb. 18.
- Shirley, Allen L., Panhandle, Tex. Grip for gear-shift levers for automobiles. Des. 80,697; Mar. 11.
- Shirley, Walter L., and C. H. Leap, Indianapolis, Ind. Flag holder. 1,779,051; Oct. 21.
- Shirmer, William, assignor of one-half to W. L. Allison, Phoenix, Ariz. Welder's helmet. 1,777,454; Oct. 7.
- Shirriff, Colin H., et al. (See Shirriff, Francis W., assignor.)
- Shirriff, Francis W., Toronto, Ontario, assignor of one-third to W. M. Shirriff and one-third to C. H. Shirriff, Toronto, Canada. Food product and method of preparing. 1,758,089; May 13.
- Shirriff, William M., et al. (See Shirriff, Francis W., assignor.)
- Shishkoff, Paul, Westminster, London, England. Utilization of the energy of tides, waves, or currents. 1,768,716; July 1.

- Shively, Jess A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-building apparatus. 1,779,399; Oct. 21.
- Shively, Louis S., assignor to The Weightograph Company, St. Louis, Mo. Periscope. 1,748,624; Feb. 25.
- Shively, Walter E., Akron, Ohio, assignor to Sears, Roebuck and Co., Chicago, Ill. Tire. Des. 81,160; May 13.
- Shively, Walter E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making tires. 1,779,400; Oct. 21.
- Shively, Walter E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 1,785,657; Dec. 16.
- Shkair, Joseph A., Brooklyn, N. Y. Textile fabric used for beach coats or similar garments. Des. 80,456; Feb. 4.
- Shlager, Abraham E. and L., and B. M. Groisser, Boston, Mass. Clamp. 1,764,697; June 17.
- Shlager, Abraham E. and L., and B. M. Groisser, Boston, Mass. Stair construction. 1,764,698; June 17.
- Shlager, Louis. (See Schlager, Abraham E. and L., and Groisser.)
- Shlenker, Leon M., assignor to International Harvest Hat Co., St. Louis, Mo. Insect-guard attachment for hats. 1,780,801; Nov. 4.
- Shnable, Earl P., Chicago, Ill. Bucket excavator. 1,752,510; Apr. 1.
- Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Arched building structure. 1,745,588; Feb. 4.
- Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Metal weather shield for doors and windows. 1,776,672; Sept. 23.
- Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Joist bearing plate and anchor. 1,782,216; Nov. 18.
- Shodron, Peter G. (See Meyer, G. J., Shodron, and Dreher.)
- Shoebridge, Harold P., et al. (See Bradford, William G., assignor.)
- Shoe Form Co. (See De Witt, William J., assignor.)
- Shoe Hardware Company, The. (See Cobb, Willard H., assignor.)
- Shoe Hardware Company, The. (See Pipes, Walter L., assignor.)
- Shoe Hardware Company, The. (See Rutherford, Eugene W., assignor.)
- Shoe Lace Company. (See Matson, Carl A., assignor.)
- Shoemaker, Alvin H., Seattle, Wash. Tire. Des. 82,002; Sept. 9.
- Shoemaker, Alvin H., Seattle, Wash. Pneumatic-tire and rim construction. 1,756,665; Apr. 29.
- Shoemaker, Edward J., Canton, Ohio. Submarine and auxiliary boat therefor. 1,781,134; Nov. 11.
- Shoemaker, Edward J., Canton, Ohio. Vessel and auxiliary boat therefor. 1,784,549; Dec. 9.
- Shoemaker, George, Philadelphia, Pa. Rotary engine. 1,757,484; May 6.
- Shoemaker, Harry C., Freeport, Ill. Connecting-rod babbitting and boring machine. 1,744,584; Jan. 21.
- Shoemaker, Harry C., Freeport, Ill. Reaming attachment for connecting-rod babbitting and boring machines. 1,744,585; Jan. 21.
- Shoemaker, John G., South St. Paul, Minn., assignor to A. C. Lawrence Leather Company, Boston, Mass. Dyeing shearlings and the like. 1,754,287; Apr. 15.
- Shoemaker, John V., Detroit, Mich. Wiper for oil gauges. Des. 81,305; June 3.
- Shoemaker, Joseph A., Bennington, Vt. Drying device. 1,780,446; Nov. 4.
- Shoemaker, Milton J., Madison, assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Cloth-like fabric. 1,786,781; Dec. 30.
- Shoemaker, Robert J., assignor to S. & T. Metal Company, Chicago, Ill. Bearing metal and making same. 1,745,720; Feb. 4.
- Shoemaker, Robert J., assignor to S. & T. Metal Company, Chicago, Ill. Bearing metal. 1,745,721; Feb. 4.
- Shoemaker, Walter J., Hamburg, N. Y. Traffic-signal reflector for motor vehicles. 1,758,809; May 13.
- Shoemaker, William D. (See Young, Frank L., assignor.)
- Shoemaker, William D., Chevy Chase, Md. Ornamental wall fixture. 1,758,130; May 13.
- Shoemaker, William D., Drummond, and F. L. Young, Chevy Chase, Md.; said Young assignor to said Shoemaker. Tractor-equipment combination. 1,755,136; Apr. 15.
- Shoemaker, William W., Waynesboro, Pa. Traffic-signal control. 1,779,919; Oct. 28.
- Shoemaker, William W., New York, N. Y. Cutting tool. 1,781,863; Nov. 18.
- Shoemaker, Willis H., Buffalo, N. Y. Illuminated ornament for decorating Christmas trees, windows, and the like. Des. 80,542; Feb. 18.
- Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Circuit-controlling device. 1,755,564; Apr. 22.
- Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Signaling system. 1,785,366; Dec. 16.
- Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Automobile signaling system. 1,785,397; Dec. 16.
- Shogren, Charles A., Chicago, Ill. Metal frame for screens. 1,767,487; June 24.
- Shogren, Hermn T., Milwaukee, Wis. Fishing tackle. 1,771,587; July 29.
- Shoji, Ichitaro, Higashi Yodogawa-Ku, Osaka, assignor to Sankyo Kabushiki Kaisha, Tokyo, Japan. Light filter. 1,751,220; Mar. 18.
- Sholar, Edward H., Chattanooga, Tenn. Fireplace basket. Re17,750; July 29.
- Shomaker, Wesley P. (See Jones, M. O., and Shomaker.)
- Shone, Louis E., Highland Park, Mich. Automatic lubricator for vehicles. 1,762,198; June 10.
- Shonnard, Harold W., Montclair, N. J., assignor to Elevator Supplies Company, Inc. Suspension means for elevator gates. 1,745,772; Feb. 4.
- Shonnard, Harold W., Montclair, N. J., assignor to Elevator Supplies Company, Inc. Automatic door closer. 1,786,782; Dec. 30.
- Shook, Florain J., assignor to Semple-Lee Processes, Inc., Akron, Ohio. Tube-splicing apparatus. 1,761,754; June 3.
- Shook, Lawrence G., Los Angeles, Calif. Electric hammer. 1,755,565; Apr. 22.
- Shook, Lawrence G., Los Angeles, Calif. Venetian blind for motor vehicles. 1,781,304; Nov. 11.
- Shoop, Charles T., Brooklyn, N. Y. Necktie stretcher. 1,770,145; July 8.
- Shope, James W., South Gate, Calif., assignor to Western Electric Company, Incorporated. Guard for guy rods and cables. 1,779,990; Oct. 28.
- Shopneck, Henry P., Dorchester, Mass., assignor, by mesne assignments, to Arden Box Toe Company. Absorbent felt and article made therefrom. 1,744,811; Jan. 28.
- Shore, Albert F., New York, N. Y. Photographic objective. 1,776,398; Sept. 23.
- Shore, Albert F., New York, assignor to The Shore Instrument & Mfg. Co., Jamaica, N. Y. Apparatus for measuring the hardness of materials. 1,770,046; July 8.
- Shore, Albert F., New York, and C. P. Shore, Hicksville, assignors to The Shore Instrument & Mfg. Co., Jamaica, N. Y. Apparatus for measuring the hardness of materials. 1,770,045; July 8.
- Shore, Albert F., New York, and W. F. Shore, Freeport, assignors to The Shore Instrument & Mfg. Co., Jamaica, N. Y. Gauge. 1,768,639; July 1.
- Shore, Charles P. (See Shore, Albert F. and C. P.)
- Shore Instrument & Mfg. Co., The. (See Shore, Albert F., assignor.)
- Shore Instrument & Mfg. Co., The. (See Shore, A. F. and C. P., assignors.)
- Shore-Line Builders, Inc. (See Weber, Carl, assignor.)
- Shore, William E., Castleton Corners, Staten Island, N. Y. Internal-combustion engine. Re17,565; Jan. 14.
- Shore, William E., West New Brighton, N. Y. Rotary compressor. 1,742,731; Jan. 7.
- Shore, William E., New York, N. Y. Method and apparatus for nebulizing fuel oil. 1,744,059; Jan. 21.
- Shore, William E., New York, N. Y. Oil and air mixing device in the form of vacuum pumps. 1,752,398; Apr. 1.
- Shore, William F. (See Shore, Albert F. and W. F.)
- Shorey, Fred M., Modesto, Calif. Protector for growing crops. 1,748,085; Feb. 25.
- Short, Albert E. and H. O. Rochester, England. Amphibian aircraft. 1,777,232; Sept. 30.
- Short, Albert E. and H. O. Rochester, England. Amphibian aircraft. 1,779,754; Oct. 28.
- Short, Charles R. (See Boegchold, A. L., and Short.)
- Short, Charles R. (See Kettering, C. F., and Short.)
- Short, Charles R. (See Koehring, R. P., and Short.)
- Short, Charles R., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Spring shackle. 1,750,607; Mar. 11.
- Short, Charles R., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Brake. 1,753,582; Apr. 8.
- Short, Charles R., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Spring shackle. 1,753,808; Apr. 8.
- Short, Charles R., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Oil filter. 1,753,809; Apr. 8.
- Short, Charles R., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Brake. 1,756,914; Apr. 29.
- Short, Charles R., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Engine mounting. 1,761,938; June 3.
- Short, Charles R., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Control for oil filter. 1,780,723; Nov. 4.
- Short, Charles R., assignor to General Motors Research Corporation, Detroit, Mich. Inertia-force balancer with single eccentric weight. 1,756,915; Apr. 29.
- Short, Charles R., assignor to General Motors Research Corporation, Detroit, Mich. Flexible coupling. 1,760,852; May 27.
- Short, Charles R., assignor to General Motors Research Corporation, Detroit, Mich. Electric booster brake. 1,761,939; June 3.
- Short, Charles R., Detroit, Mich., assignor to Moraine Products Corporation, Dayton, Ohio. Bearing. 1,768,528; June 24.
- Short, Charles R., Detroit, Mich., assignor to The Moraine Products Corporation, Dayton, Ohio. Making bearings. 1,768,529; June 24.

- Short, Charles R., assignor to General Motors Corporation, Detroit, Mich. Fluid control of power plants. 1,768,530; June 24.
- Short, Charles R., assignor to General Motors Research Corporation, Detroit, Mich. Pulley belt. 1,777,864; Oct. 7.
- Short, Charles R., assignor to General Motors Research Corporation, Detroit, Mich. Rubber engine support. 1,780,724; Nov. 4.
- Short, Charles R., and C. L. Lee, assignors to General Motors Research Corporation, Dayton, Ohio. Oil-treating apparatus. 1,787,409; Dec. 30.
- Short, Charles V., Des Moines, Iowa. Hog feeder. 1,769,042; July 1.
- Short, Frank, Poughkeepsie, N. Y. Mooring device. 1,770,675; July 15.
- Short, Frank, Poughkeepsie, N. Y. Stabilized airship. 1,772,161; Aug. 5.
- Short, Hugh O. (See Short, Albert E. and H. O.)
- Short, Otto R. (See Pentler, S. J., and Short.)
- Short, Posey R., Tulsa, Okla. Well cleaner. 1,747,398; Feb. 18.
- Short, Samuel F., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Guarding and guiding attachment for tools. 1,782,448; Nov. 25.
- Shorter, Albert E., London, and C. L. Boucher, Little Bookham, assignors to The Patent Gear Hardening Company, Ltd., London, England. Apparatus for hardening metal surfaces. 1,768,159; June 24.
- Shorter, Albert E., London, and C. L. Boucher, Little Bookham, assignors to The Patent Gear Hardening Company, Ltd., London, England. Machine for hardening irregular metal surfaces. 1,768,160; June 24.
- Shott, Charles F., and C. E. Luce, Acme, and C. W. Johnson, Sheridan, Wyo. Wire stretcher. 1,760,918; June 3.
- Shotts, William A., assignor of one-third to J. S. Conway and one-third to H. M. Conway, Hackleburg, Ala. Combination plow and cultivator. 1,766,407; June 24.
- Shotwell, Harold B., Whitaker, Pa. Automobile signal. 1,775,948; Sept. 16.
- Shotwell, Joe E., Stockton, Calif. Resilient knee pad. 1,761,063; June 3.
- Shotwell, Joseph E., Chowchilla, Calif. Knee pad. 1,785,213; Dec. 16.
- Shoup, George R., Puyallup, and G. E. Quinan, Seattle, Wash. Poultry brooder. 1,755,520; Apr. 22.
- Shoup, Ralph L., Independence, Mo. Vehicle signal. 1,757,816; May 6.
- Shouvin, Patrick J., assignor to Superior Engine Company, Springfield, Ohio. Safety flange. 1,772,270; Aug. 5.
- Showalter, Victor E., Elgin, assignor to Elgin National Watch Company, Chicago, Ill. Rear-vision mirror. 1,784,710; Dec. 9.
- Showers, Charles M., Madison, Wis. Wall form. 1,780,366; Nov. 4.
- Showers, Jess L. (See Birdsong, J. A., and Showers.)
- Showers, Lee, Charleroi, Pa., assignor to Pittsburgh Plate Glass Company. Glass-melting pot. 1,754,838; Apr. 15.
- Shows, John E., Harrisburg, and W. T. Dunn, Houston, Tex. Rotary core drill. 1,780,447; Nov. 4.
- Shrack, Phillip O., Dubuque, Iowa. Garment hanger. 1,769,076; July 1.
- Shrauger, Darius E. (See Anderson, William, assignor.)
- Shrauger, Darius E., Atlantic, Iowa. Window-screen construction. 1,779,858; Oct. 28.
- Shrauger, Darius E., Atlantic, Iowa. Screen-frame construction. 1,779,859; Oct. 28.
- Shrauger, Darius E., Atlantic, Iowa. Window half screen. 1,779,860; Oct. 28.
- Shriner, Robert L., et al. (See Shriner, Robert L., assignor.)
- Shriner, Robert L., Weehawken, N. J., assignor to W. Feinsot, H. L. Novak, and R. L. Shriner, doing business as Innovation Engineering Co., New York, N. Y. Electrically-operated water heater. 1,743,573; Jan. 14.
- Shriver, Harry P., assignor to Kennedy Manufacturing Company, Van Wert, Ohio. Treasure chest. Des. 82,063; Sept. 16.
- Shriver, Harry P., Van Wert, assignor to Kennedy Manufacturing Company, Van Wert, Ohio. Kit. 1,766,553; June 24.
- Shroyer, Frank E., Girard, Ill. Fish lure. 1,776,090; Sept. 16.
- Shrum, Peter J., Monaca Heights, Pa., assignor to Pittsburgh Screw and Bolt Corporation. Thread protector. 1,762,248; June 10.
- Shrum, Peter J., Monaca Heights, assignor to Pittsburgh Screen and Bolt Corporation, Pittsburgh, Pa. Tapping head for threading machines. 1,772,018; Aug. 5.
- Shrum, Peter J., Monaca Heights, Pa., assignor to Pittsburgh Screw and Bolt Corporation. Thread protector. 1,774,569; Sept. 2.
- Shrum, Peter J., Monaca Heights, Pa., assignor to Pittsburgh Screw and Bolt Corporation. Valve protector. 1,782,150; Nov. 18.
- Shrum, Peter J., Monaca Heights, Pa., assignor to Pittsburgh Screw and Bolt Corporation. Protector. 1,785,985; Dec. 23.
- Shubert, Atlas E., Memphis, Tenn. Motor-vehicle lifter. 1,743,984; Jan. 14.
- Shuey, James N. (See Troyer, E. E., and Shuey.)
- Shufflebarger, William H., Indianapolis, Ind. Sole-cementing machine. 1,754,056; Apr. 8.
- Shukhoff, Vladimir G. (See Capeliuschnicoff, Matvey A., assignor.)
- Shuler, Chester E., Los Angeles, Calif. Wave motor. 1,746,613; Feb. 11.
- Shuler, Earl J., New Orleans, La., assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 1,770,629; July 15.
- Shuler, Harry V., Spencer, Nebr. Milk-can holder. 1,745,456; Feb. 4.
- Shulman, Isidor, New York, N. Y. Game. 1,781,529; Nov. 11.
- Shulman, Rose, Brooklyn, N. Y. Ice bag. 1,743,244; Jan. 14.
- Shulman, Samuel C., Brooklyn, N. Y. Drapery. 1,776,047; Sept. 16.
- Shulte, Charles. (See Wolters, C. F., and Shulte.)
- Shultis, Earl P. (See Cordell, H., and Shultis.)
- Shultz, Albert B., assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,773,282; Aug. 19.
- Shultz, Chauncey F., St. Louis, Mo. Brush-making machine. 1,780,278; Nov. 4.
- Shumaker, Frederic C., Sanger, Calif. Train-order-delivery light. 1,778,373; Oct. 14.
- Shumaker, Howard H., Memphis, Tenn. Groove-cleaning machine. 1,778,917; Oct. 21.
- Shunk, Clarence O., and M. Redlinger, Freeport, Ill. Pry plate. 1,747,326; Feb. 18.
- Shunk, James H., jr., Roscoe, Ill. Fireworks construction. 1,761,094; June 3.
- Shunk, John Q., Bucyrus, Ohio. Road-grader blade. 1,778,512; Oct. 14.
- Shunk, Roy F., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Handle switch construction. 1,772,964; Aug. 12.
- Shuppy, Charles L., et al. (See Linn, F. F., and Negles, assignors.)
- Shur-On Standard Optical Company. (See Bertram, J. P., and Sundstrom, assignors.)
- Shur-on Standard Optical Company. (See Jerry, Carl R., assignor.)
- Shur-On Standard Optical Company. (See Long, Eli M., assignor.)
- Shurtleff, Wilfred, assignor to Herman Nelson Corporation, Moline, Ill. Heating and ventilating unit. 1,744,511; Jan. 21.
- Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Heating and ventilating unit. 1,756,997; May 6.
- Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Variable-speed A. C. motors. 1,763,104; June 10.
- Shurtleff, Wilfred, assignor to Herman-Nelson Corporation, Moline, Ill. Radiator. 1,775,257; Sept. 9.
- Shuster, F. B., Company, The. (See Matteson, George F., assignor.)
- Shuter, Alfred D. (See Smith, W. S., and Shuter.)
- Shutt, George H., New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp-stop-motion separator. 1,760,967; June 3.
- Shutt, George H., New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp-stop-motion for looms. 1,766,804; June 24.
- Shutt, John E., Stuttgart, Ark. Deep-well pump. 1,765,457; June 24.
- Shutt, William F., Laredo, Tex. Gas burner. 1,757,847; May 6.
- Shutts, Leroy W., assignor to General Motors Research Corporation, Detroit, Mich. Vacuum booster-brake control valve. 1,746,226; Feb. 4.
- Shutts, Leroy W., assignor to General Motors Research Corporation, Detroit, Mich. Oil-filtering means. 1,761,940; June 3.
- Shutts, Leroy W., assignor to General Motors Research Corporation, Detroit, Mich. Antishimmy device. 1,775,624; Sept. 9.
- Shwayder, Benjamin H., assignor to Shwayder Trunk & Mfg. Co., Denver, Colo. Strap for suitcases, etc. 1,756,038; Apr. 29.
- Shwayder, Benjamin H., assignor to Shwayder Trunk & Mfg. Co., Denver, Colo. Handle for traveling bags and the like. 1,774,949; Sept. 2.
- Shwayder Trunk & Mfg. Co. (See Shwayder, Benjamin H., assignor.)
- Sibbald, Henrietta G., Duluth, Minn. Pie pan. 1,746,614; Feb. 11.
- Sibson, Walter W., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying form. 1,747,990; Feb. 18.
- Sibson, Walter W., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Fabric-treating machine. 1,768,455; June 24.
- Sibson, Walter W., and T. J. Miller, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Fabric-treating machine. 1,764,089; June 17.
- Sichel, Leo, St. George, N. Y. Fluid electrical contact level. 1,774,337; Aug. 26.
- Sichel, Leo, St. George, N. Y. Portable grinding and milling machine. 1,775,000; Sept. 2.
- Sicilliani, Joseph, Chicago, Ill. Container for pastry or the like. Des. 82,526; Nov. 11.
- Sickel, Helmut, Leipzig, Germany. Ampul-filling device. 1,767,902; June 24.
- Sickel, Lewis C. (See Ackerman, Michael H., assignor.)
- Sickel, Louis C. (See Ackerman, Michael H., assignor.)

- Sickels, Allison, Cape May, N. J. Automatic control for reserve lubricants. 1,781,252; Nov. 11.
- Siddall, Wilbur H. (See Nerney, G. E., and Siddall.)
- Side, Frederick W. (See Bean, R. D., and Side.)
- Sidebotham, John B., Jr., Philadelphia, Pa. Making tape for electrical purposes. 1,748,737; Feb. 25.
- Sidebotham, Melvin H. (See La Bombard, L. E., and Sidebotham.)
- Sidgreaves, Henry W., Newark, N. J. Toe supporter. 1,787,398; Dec. 30.
- Sidis, William J., New York, N. Y. Perpetual calendar. 1,784,117; Dec. 9.
- Sidway-Topliff Company. (See Schwartz, Joseph L., assignor.)
- Sieban, Henry. (See Murray, Howard J., assignor.)
- Siebe, John P., Sacramento, Calif. Price-tag holder. 1,761,995; June 3.
- Siebel, Gustav. (See Beck, A., and Siebel.)
- Siebel, Peter, New York, N. Y. Apron. 1,754,581; Apr. 15.
- Sieben, Henry. (See Murray, Howard J., assignor.)
- Sieben, Henry, New York, N. Y. Fluid-controlling apparatus. 1,746,801; Feb. 11.
- Siebenbürger, Hugo. (See Mayer, B., and Siebenbürger.)
- Siebenbürger, Hugo, assignor to the firm: Society of Chemical Industry in Basel, Basel, Switzerland. Vat dyestuffs of the violanthrone series and making same. 1,770,815; July 15.
- Siebenlist, Anthony G., assignor, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. Rib clip. 1,780,406; Nov. 4.
- Siebenmorgen, Louie G., Hiawatha, Kans. Stanchion latch and operating means therefor. 1,780,367; Nov. 4.
- Sieber, Fritz, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Device for regulating flow of fluids. 1,766,554; June 24.
- Siebert, Charles. (See De Rusha, W. W., and Seibert.)
- Siebert, Donald W., assignor to O. W. Siebert Company, Gardner, Mass. Foot support for children's vehicles. 1,778,513; Oct. 14.
- Siebert, O. W., Company. (See Siebert, Donald W., assignor.)
- Siebert, William, assignor of one-half to H. Wigge, Chicago, Ill. Anchor. 1,782,449; Nov. 25.
- Siebring, Claude, George, Iowa. Brooder. 1,743,402; Jan. 14.
- Siebring, Claude, George, Iowa. Oil-burning stove. 1,756,391; Apr. 29.
- Siebs, Claude T. (See Matthern, O. W., and Siebs.)
- Siebs, Claude T., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System and method of electrical distribution. 1,765,458; June 24.
- Siebs, Claude T., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming outlets. 1,765,459; June 24.
- Siebs, Claude T., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System of electrical distribution. 1,765,460; June 24.
- Siebs, Claude T., Riverside, and T. A. Daniel, Maywood, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Welding. 1,779,563; Oct. 28.
- Siebs, William H., Floral Park, N. Y. Valve. 1,764,991; June 17.
- Sieck, William, Jr., Winnetka, assignor to William Garrigue & Company, Chicago, Ill. Evaporator. 1,750,434; Mar. 11.
- Siedler, Philipp C. H., Griesheim-on-the-Main, and E. Schulte, Schwanheim-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Dissociation of sulphur vapor. 1,767,319; June 24.
- Siedler, Philipp, and A. Moeller, Frankfurt-on-the-Main-Griesheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Liquid supersaturated solution of thiocarbamide. 1,780,634; Nov. 4.
- Siefarth, Chester J., Portland, Oreg. Variable-pressure valve. 1,747,910; Feb. 18.
- Siefert, William C., and G. W. Pawel, Clearfield, Pa., assignors, by mesne assignments, to International Nickel Company, Inc., New York, N. Y. Apparatus for heating a pickling solution. 1,782,482; Nov. 25.
- Siefke, Frederick. (See Wienholz, A. E., and Siefke.)
- Siefken, Gustavus A., Minneapolis, Minn. Brooch-fastening device. 1,752,858; Apr. 1.
- Siegel, Alfred. (See Allen, E. R., and Siegel.)
- Siegel, Henry S., Philadelphia, Pa. Smoker unit. 1,779,952; Oct. 28.
- Siegel, Irving, New York, N. Y. Fireproof door. 1,769,757; July 1.
- Siegel, Louis R., Cleveland, Ohio. Dental root-canal point. 1,757,595; May 6.
- Siegel Manufacturing Company. (See Shapiro, Philip C., assignor.)
- Siegel, Max, et al. (See Huebner, William P., assignor.)
- Siegel, Victor N., Paris, France. Base for a display stand or similar article. Des. 81,852; Aug. 19.
- Siegens, Hans, Horrem, near Cologne, Germany. Making pure alumina by electrothermal reduction of the impurities in alumina-containing raw materials. 1,787,124; Dec. 30.
- Siegfried, Charles, Lancaster, Ohio. Making shoes. 1,769,239; July 1.
- Siegfried, Charles, assignor to the firm of Les Frères Bréguet, Geneva, Switzerland. Die holder for wire-drawing benches. 1,776,296; Sept. 23.
- Siegfried, Rudolf. (See Kent, G. C., and Siegfried.)
- Siegheim, Fritz, New York, N. Y. Vacuum-walled container. 1,760,378; May 27.
- Siegle, Norman E., Columbus, Ohio. Method and apparatus for cutting tar or other plastic materials. 1,746,744; Feb. 11.
- Siegle, Wilhelm, Friedrichshafen, Germany, assignor to Goodyear Zeppelin Corporation, Akron, Ohio. Bulkhead for airships. 1,754,866; Apr. 15.
- Siekacz, Antoni, Krakau, Poland. Shoe with interchangeable sole and heel. 1,773,242; Aug. 19.
- Siekmann, Harold J. (See Groene, W. F., and Siekmann.)
- Siemen, Otto, and J. Hirsch, Itzehoe, Holstein, Germany. Rotary pump. 1,778,169; Oct. 14.
- Siemens, Bauunion Gesellschaft mit beschränkter Haftung, Kommanditgesellschaft. (See Greim, Walther, assignor.)
- Siemens, Friedrich, Aktiengesellschaft. (See Durrer, R., Siemens, and Sprenger, assignors.)
- Siemens, Friedrich C. (See Durrer, R., Siemens, and Sprenger.)
- Siemens & Halske Aktiengesellschaft. (See Anders, Otto, assignor.)
- Siemens & Halske, Aktiengesellschaft. (See Becker, Ernst, assignor.)
- Siemens & Halske, Aktiengesellschaft. (See Becker, Hans, assignor.)
- Siemens & Halske, Aktiengesellschaft. (See Biermann, G., and Niemann, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Döring, F., and Müller, assignors.)
- Siemens & Halske, Aktiengesellschaft. (See Ebeling, August, assignor.)
- Siemens & Halske, Aktiengesellschaft. (See Engelhardt, V., and Illig, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Esmarch, Wilhelm, assignor.)
- Siemens & Halske, Aktiengesellschaft. (See Fetkenheuer Co., and Neumann, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Gerlach, Erwin, assignor.)
- Siemens & Halske, Aktiengesellschaft. (See Hosenfeld, M., and Hänsel, assignors.)
- Siemens & Halske, Aktiengesellschaft. (See Jipp, August, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Langenbeck, B., and Sell, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Langer, Max, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Lubberger, F., and Langer, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Lübcke, Ernst, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Masing, G., and Dahl, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Münchenhagen, Willy, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Schack, A., and Wenzl, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Schleicher, Manfred, assignor.)
- Siemens & Halske, Aktiengesellschaft. (See Schleicher, M., Albrecht, Gaarz, and Keinath, assignors.)
- Siemens & Halske, Aktiengesellschaft. (See Schleicher, M., and Cario, assignors.)
- Siemens & Halske, Aktiengesellschaft. (See Schleicher, M., and Liesegang, assignors.)
- Siemens & Halske, Aktiengesellschaft. (See Schmick, Hans, assignor.)
- Siemens & Halske Aktiengesellschaft, Wernerwerk. (See Schulz, Werner, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Schulz, W., Frischke, and Schliffmann, assignors.)
- Siemens & Halske, Aktiengesellschaft. (See Sell, Helmut, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Skawran, W., Steiner, and Lohs, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Thierbach, Dietwald, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Thomas, P., and Fischer, assignors.)
- Siemens & Halske Aktiengesellschaft. (See von Beckerath, Hans, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Waschnack, Adolf, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Wiessner, Paul, assignor.)
- Siemens & Halske Aktiengesellschaft, Wernerwerk. (See Auteri, Michele, assignor.)
- Siemens & Halske Aktiengesellschaft, Wernerwerk. (See Thiery, F., and Goetsch, assignors.)
- Siemens & Halske Aktiengesellschaft, Wernerwerk. (See Timme, Adalbert, assignor.)
- Siemens & Halske Aktiengesellschaft, Wernerwerk. (See von Beckerath, Hans, assignor.)
- Siemens Planiawerke Aktiengesellschaft für Kohlefabrikate. (See Kuhlmann, Clemens, assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Altkirch, Edmund, assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Baudisch, Karl, assignor.)

- Siemens-Schuckertwerke Aktiengesellschaft. (See Deeten, Richard, assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Elsässer, Robert, assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Kalkner, Friedrich, assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Kühnel, Carl, assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Mayr, Karl A., assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Ossanna, J., Graner, and Hofmann, assignors.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Paschen, P., and Gebhardt, assignors.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Peneff, Georg, assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Riechel, Walter, assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Rüdenberg, R., and Schottky, assignors.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Schimpf, Robert, assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Shiebuhr, Friedrich, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Baudisch, K., and Scharowsky, assignors.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Espe, Werner, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Eule, Martin, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Fischer, Ernst, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Gleichmann, Hans, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Mayr, Karl, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Steiner, L., and Gutmann, assignors.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Stender, Waldemar, assignor.)
- Siemens, Jurgen, Custer, assignor of one-half to A. Berry, Billings, Mont. Grain-car door. 1,749,163; Mar. 4.
- Sieper, Otto, Richmond Hill, assignor to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Soldering apparatus. 1,777,233; Sept. 30.
- Sierad, Albert E., assignor to George W. Button Corporation, New York, N. Y. Face-powder container. Des. 82,960; Dec. 30.
- Sierad, Milton, assignor to George W. Button Corporation, New York, N. Y. Face-powder container. Des. 82,709; Dec. 2.
- Siese, Gustav, jr., Orlando, Fla. Shoe-heel protector. 1,769,758; July 1.
- Siesko, Emil T., Nanticoke, Pa. Reamer for pipe threaders. 1,762,670; June 10.
- Siever, Carl H., Oak Park, Ill. Coating composition and preparing the same. 1,785,367; Dec. 16.
- Sieverling, Fred A., Great Bend, Kans. Safety apparatus for boats. 1,752,354; Apr. 1.
- Sievert, Albert A., Kaukauna, Wis. Automatic ensilage distributor. 1,786,677; Dec. 30.
- Siewek, Otto H., Detroit, Mich. Clamping drill fixture. 1,772,115; Aug. 5.
- Sieweke, Adolf. (See Pfaff, J. K., Böttger, and Sieweke.)
- Sifferman, Harvey E., Dayton, Ohio. Roll-paper holder. 1,772,917; Aug. 12.
- Sifton, Clifford, Toronto, Ontario, Canada. Variable-speed transmission. Re17,704; June 17.
- Sigg, Joseph A., Pittsburgh, Pa. Screw driver. 1,782,515; Nov. 25.
- Sigler, Wendell P., Dayton, Ohio. Adjustable stocking form. 1,748,658; Feb. 25.
- Sigmund, Fred L., Moorestown, N. J. Chemical compound or tablet for prolonging bloom life of cut flowers. 1,768,007; June 24.
- Signal Accessories Corporation. (See Bossert, W. F., and Burke, assignors.)
- Signal Engineering & Manufacturing Company. (See Hanel, Charles L., assignor.)
- Signal Gesellschaft m. b. H. (See du Bois-Reymond, A., and Rudolph, assignors.)
- Signal Gesellschaft mit beschränkter Haftung. (See Hecht, H., Lichte, and Wolf, assignors.)
- Signell, Carl A. and O., Jamestown, N. Y. Drill. 1,764,989; June 17.
- Signell, Otto. (See Signell, Carl A. and O.)
- Signer, Louis P., San Francisco, Calif. Vehicle tow bar. 1,779,192; Oct. 21.
- Signode Steel Strapping Company. (See Knowlton, H. N., and Lau, assignors.)
- Signode Steel Strapping Company. (See Kool, G., and van Duyn, assignors.)
- Signode Steel Strapping Company. (See Leslie, John W., assignor.)
- Signode Steel Strapping Company. (See McGee, Eugene H., assignor.)
- Signode Steel Strapping Company. (See Nowland, Benoni, assignor.)
- Signode Steel Strapping Company. (See Pagel, Ernest C., assignor.)
- Signode Steel Strapping Company. (See Porter, Howard C., assignor.)
- Signode Steel Strapping Company. (See Treat, Sidney W., assignor.)
- Signode Steel Strapping Company. (See Westphal, Rudolph E., assignor.)
- Signor, William E., Gettysburg, Pa. Wigwag stop signal. 1,751,018; Mar. 18.
- Sigrist, Frederick, Oxshott, and S. Camm, Long Ditton, England. Skeleton structure such as aircraft fuselage. 1,750,692; Mar. 18.
- Sigsbey, Fred W., Willoughby, Ohio. Feed apron for wringers. 1,785,347; Dec. 2.
- Sigwart, August. (See Glietenberg, E., and Sigwart.)
- Sihler, William, Decorah, Iowa. Device for cataloguing shoes. 1,778,646; Oct. 14.
- Sikes Company, The. (See Clark, L. H., and Sengpiel, assignors.)
- Silberberger, Cecil M., Frederick, S. Dak. Roller drive. 1,762,034; June 3.
- Silberger, Julius, Cleveland, Ohio. Drill. 1,778,043; Oct. 14.
- Silberger, Rae, Arroyo Sanatorium, Calif. Spice-container rack. 1,759,140; May 20.
- Silberman, David, New York, N. Y. Sewing-machine guide for hook tape. 1,786,174; Dec. 23.
- Silberman, David, assignor to Simon L. Ruskin, trustee, New York, N. Y. Stitchless hook tape. 1,765,181; June 17.
- Silberman, David, New York, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Garment-fastening tape. 1,779,193; Oct. 21.
- Silberman, Joseph, et al. (See Strauss, Nathan J., assignor.)
- Silbersack, Arthur. (See Broeman, Frank C., assignor.)
- Silcock Airadiator Corp. (See Daun, Carl L., assignor.)
- Silcock Airadiator Corporation. (See Mortimer, Harry B., assignor.)
- Silent Glow Oil Burner Corporation, The. (See Lapointe, Albert A., assignor.)
- Silent Glow Oil Burner Corporation, The. (See Sherman, Ralston M., assignor.)
- Silent, Harold C. (See Mitchell, D., and Silent.)
- Silent, Harold C., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Echo suppressor. 1,745,457; Feb. 4.
- Silent, Harold C., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Circuit controller. 1,749,851; Mar. 11.
- Silent, Harold C., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Prevention of parasitic oscillations. 1,785,819; Dec. 23.
- Silex Company, The. (See Boever, Anne M., assignor.)
- Silica Gel Corporation, The. (See Hulse, George E., assignor.)
- Silica Gel Corporation, The. (See Hutchinson, William S., assignor.)
- Silica Gel Corporation, The. (See Miller, Ernest B., assignor.)
- Silica Gel Corporation, The. (See Miller, E. B., and Connolly, assignors.)
- Silica Products Co. (See Collings, W. A., and Cross, assignor.)
- Silica Products Co. (See Collings, William A., assignor.)
- Silica Products Co. (See Cross, Roy, assignor.)
- Sill, Alfred. (See Sill, Ernest F., and A.)
- Sill, Ernest F. and A., Dillon, Mont. Hoe. 1,757,882; May 6.
- Sill, Harry, Mineola, N. Y. Attachment for paint buckets. 1,760,722; May 27.
- Siller, Everett F. (See Mayer, C. W., and Siller.)
- Silva, Charles F., Maple Heights, Bedford, Ohio. Dustless ash remover and container. 1,778,694; Oct. 14.
- Silva, Frank N., jr., Santa Maria, Calif. Wheel attachment for seaplanes. 1,757,687; May 6.
- Silver, B. Coleman, Chicago, Ill. Child's seat. 1,750,435; Mar. 11.
- Silver, Harold F., Ogden, Utah. Dry-cleaning apparatus. 1,775,699; Sept. 16.
- Silver, Herman, Minneapolis, Minn. Emergency propeller for air craft. 1,779,644; Oct. 28.
- Silver, Jesse W., Tacoma, Wash. Propelling means for dirigible airships. 1,750,765; Mar. 18.
- Silver, John H. F., Philadelphia, Pa. Control mechanism for calculating machines. 1,775,326; Sept. 9.
- Silver, John M. (See Katte, F. J., and Minturn, assignors.)
- Silver, Samuel, Brooklyn, N. Y., and E. Kimmig, Jersey City, N. J. Portable savings bank. 1,770,146; July 8.
- Silver, Samuel, Brooklyn, N. Y., and E. Kimmig, Jersey City, N. J. Ornamentation of dolls. 1,770,147; July 8.
- Silverglo Lamps, Inc. (See Cline, H. P., Scheinberg, and Watson, assignors.)
- Silverman, Edward L., Brooklyn, N. Y. Globe. Des. 80,293; Jan. 7.
- Silverman, Edward L., New York, N. Y. Globe. Des. 82,397; Oct. 28.
- Silverman, Joseph, Chicago, Ill. Folding table. 1,757,260; May 6.
- Silverman, Leo, Elkins Park, assignor to S. Rosenau & Co., Inc., Philadelphia, Pa. Chenille and making the same. 1,769,970; July 8.
- Silvers, Samuel. (See Hitchcock, Louis N., assignor.)
- Silversparre, Gustav A. (See Morch, J., and Silversparre.)
- Silveus, Charles F., Waynesburg, Pa. Fruit-juice extractor. 1,747,957; Feb. 18.
- Sim, Robert L., New York, N. Y. Fire alarm. 1,768,999; July 1.

- Simila, Antti, et al. (See Reini, Jack, assignor.)
- Simjian, Luther G., New Haven, Conn. Pose-reflecting system for photographic apparatus. 1,756,959; May 6.
- Simmen Automatic Railway Signal Company. (See Simmen, Paul J., assignor.)
- Simmen, Oscar, Erlach, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Fluid compressor. 1,776,933; Sept. 30.
- Simmen, Paul J., Eden, N. Y. Train-control system. 1,745,064; Jan. 28.
- Simmen, Paul J., Eden, N. Y. Automatic train control. 1,749,234; Mar. 4.
- Simmen, Paul J., Eden, N. Y. System of train control. 1,767,557; June 24.
- Simmen, Paul J., assignor to Simmen Automatic Railway Signal Company, Eden, N. Y. Automatic train control. 1,786,783; Dec. 30.
- Simmer, Fritz, Lesienice, near Lwow (Lemberg), Poland assignor to Aktieselskabet Dansk Gaerings Industri, Copenhagen, Denmark. Biological purification of waste water. 1,751,459; Mar. 18.
- Simmer, Fritz, Lesienice, near Lemberg, Poland, assignor to Aktieselskabet Dansk Gaerings Industri, Copenhagen, Denmark. Manufacture of spirit and yeast, particularly by working up molasses. 1,774,406; Aug. 26.
- Simmon, Hans, Vienna, Austria. Apparatus for exchange of heat. 1,764,535; June 17.
- Simmons, Aaron T., and B. H. Miles, assignors to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Automatically-controlled ice-cream freezer. 1,763,567; June 10.
- Simmons, Albert H., Wheaton, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Temperature-control device. 1,743,073; Jan. 7.
- Simmons, Burt R., Palms, Calif. Tile machine. 1,782,051; Nov. 18.
- Simmons, Charles B., assignor to The New Departure Manufacturing Company, Bristol, Conn. Antifriction-bearing cage. 1,767,407; June 24.
- Simmons, Charles W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Control mechanism for pressure-fluid-supply lines. 1,779,252; Oct. 21.
- Simmons, Claude, Reno, Nev. Fuel Meter for automobiles. 1,766,262; June 24.
- Simmons Company. (See Bayer, Matthew F., assignor.)
- Simmons Company. (See Bradshaw, Richard, assignor.)
- Simmons Company. (See Bradshaw, R., and Ferguson, assignors.)
- Simmons Company. (See Ferguson, Reginald, assignor.)
- Simmons Company. (See Gail, John F., assignor.)
- Simmons Company. (See Harman, F. B., and Anderson, assignors.)
- Simmons Company. (See Kusterle, Frank, assignor.)
- Simmons Company. (See McCullough, William E., assignor.)
- Simmons Co. (See Soans, Cyril A., assignor.)
- Simmons Company. (See Stuart, Charles A., assignor.)
- Simmons Company. (See Vollmer, William A., assignor.)
- Simmons, Donald M., Osborne, Pa., assignor to General Cable Corporation, New York, N. Y. Insulation. 1,775,072; Sept. 2.
- Simmons, Felix, New York, N. Y. Apparel garment. 1,763,266; June 10.
- Simmons, Frederick C., Highland Park, Pa., assignor to Pioneer Suspender Company. Beveling. 1,761,414; June 3.
- Simmons, Frederick C., Highland Park, Pa., assignor to Pioneer Suspender Company. Finishing wheel. 1,764,651; June 17.
- Simmons, Herbert G., assignor to Concealed Door Check Company, Kokomo, Ind. Doorcheck. 1,757,261; May 6.
- Simmons, Gordon, Baltimore, Md. Combustion control. 1,779,513; Oct. 28.
- Simmons, John W., Cleveland, Ohio, assignor, by mesne assignments, to R. S. Allyn, New York, N. Y. Combined transformer and electron-tube socket. Re17,871; Nov. 18.
- Simmons, Mary E., Indianapolis, Ind., assignor of one-half to E. W. Mathews, Washington, D. C. Mechanical toy. 1,776,640; Sept. 23.
- Simmons Method Hob Company. (See Simmons, Oliver G., assignor.)
- Simmons, Nicholas L., Wausau, Wis. Making whey products. 1,763,633; June 10.
- Simmons, Oliver G., Lakewood, Ohio. Method and apparatus for generating gear teeth. 1,752,033; Mar. 25.
- Simmons, Oliver G., Lakewood, Ohio. Cutting gear teeth. 1,765,385; June 24.
- Simmons, Oliver G., Lakewood, assignor to The National Tool Company, Cleveland, Ohio. Worm-generating hob. 1,765,853; June 24.
- Simmons, Oliver G., Lakewood, Ohio. Method of and apparatus for generating helical gears. 1,767,191; June 24.
- Simmons, Oliver G., Lakewood, Ohio. Gear-grinding machine. 1,772,271; Aug. 5.
- Simmons, Oliver G., Lakewood, Ohio, assignor, by mesne assignments, to Simmons Method Hob Company. Method of and apparatus for generating tapered gears. Re17,573; Jan. 28.
- Simmons, Parker T., East Hampton, N. Y. Baseball game and apparatus. 1,785,148; Dec. 16.
- Simmons, Paul R., assignor to Paramount Paper Products Company, Indianapolis, Ind. Paper-cup dispenser. 1,742,371; Jan. 7.
- Simmons, Paul R., assignor to Indiana Fibre Products Company, Marion, Ind. Dish holder. 1,769,324; July 1.
- Simmons, Ralph C., Spokane, Wash. Power machine. 1,775,258; Sept. 9.
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel machine. 1,777,331; Oct. 7.
- Simmons, Theodore, Mount Vernon, N. Y., assignor to Altorfer Brothers Company, East Peoria, Ill. Washing-machine agitator. 1,752,967; Apr. 1.
- Simmons, William E., assignor to Mechanical Improvement Corporation, Ocala, Fla. Motor. 1,773,635; Aug. 19.
- Simmons, William J., jr., et al. (See Simmons, William J. sr., assignor.)
- Simmons, William J., sr., assignor of one-third to W. J. Simmons, jr., and one-third to M. Pavlik, jr., Coaldale, Pa. Car-coupling pin. 1,786,872; Dec. 30.
- Simms, Carson W. (See Bogin, C., and Simms.)
- Simms, Frank C., East Palestine, Ohio. Pyrometer tube. 1,773,825; Aug. 26.
- Simms, Frank C., East Palestine, Ohio. Pyrometer tube. 1,773,826; Aug. 26.
- Simmons, R. F., Company. (See Lamb, Leonard I., assignor.)
- Simola, Emil, and S. F. Smokes, South Ozone Park, N. Y. Mixing implement. 1,764,699; June 17.
- Simon, Abram. (See Simon, Louis J. and A.)
- Simon Bros. (Engineers) Limited. (See Simon, Louis J. and A., assignors.)
- Simon, Charles W., Detroit, Mich. Hollow-plug connection. 1,758,541; May 13.
- Simon, Desiderius, New York, N. Y. Automatic shock absorber. 1,744,926; Jan. 28.
- Simon, Henry H., Greenville, S. C. Airplane. 1,783,590; Dec. 2.
- Simon, Henry, Limited. (See Denham, Humphrey J., assignor.)
- Simon, Joseph H. (See Fichtner, Edwin C., assignor.)
- Simon, Louis J., London, England. Distillation apparatus. 1,787,399; Dec. 30.
- Simon, Louis J. and A., assignors to Simon Bros. (Engineers) Limited, London, England. Method of and apparatus for extraction of oils, fats, waxes, greases and the like from material containing the same. 1,776,742; Sept. 23.
- Simon, Oscar, Kincaid, Ill. Switch. 1,768,299; June 24.
- Simonds Saw and Steel Company. (See Bevis, Roy G., assignor.)
- Simonds Saw and Steel Company. (See Gibbs, William E., assignor.)
- Simonds Worden White Company. (See Allison, Albert J., assignor.)
- Simones, Paul J., Dubuque, Iowa. Checking mechanism for adding machines. 1,770,089; July 8.
- Simoni, Armando, Bologna, Italy. Device for automatically filling fountain pens. 1,784,078; Dec. 9.
- Simonis, Irving, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Leer feeder. 1,785,534; Dec. 16.
- Simonis, Otto, London, England. Liquid-air oxygen-producing plant. 1,757,022; May 6.
- Simons, Abraham, New York, N. Y. Heading die. 1,747,911; Feb. 18.
- Simons, Burdick, Denver, Colo. Baby bottle holder. 1,786,459; Dec. 30.
- Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Mantel. Des. 81,853; Aug. 19.
- Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Mantel. Des. 81,854; Aug. 19.
- Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Breakfast-nook bench. Des. 82,589; Nov. 18.
- Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Medicine cabinet. Des. 82,762; Dec. 9.
- Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Corner china closet. Des. 82,763; Dec. 9.
- Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Corner china closet. Des. 82,915; Dec. 23.
- Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Corner china closet. Des. 82,916; Dec. 23.
- Simons, Joseph, Los Angeles, Calif. Brick-forming machine. 1,755,566; Apr. 22.
- Simons Millwork, Inc. (See Simons, G. A., and Freeberg, assignors.)
- Simonsen, Edward H., assignor to R. M. Eddy Foundry Company, Chicago, Ill. Machine tool. 1,761,847; June 3.
- Simonton, Hugh E., Memphis, Tenn. Adjustable attachment for paper hangers' straight edge and trimming boards. 1,761,315; June 3.
- Simos, Nick, Philadelphia, Pa. Kit box. 1,758,338; May 13.
- Simpkins, Victor O. (See Murray, G., and Simpkins.)
- Simplex Cap Company, The. (See Zarobsky, Charles A., assignor.)
- Simplex Equipment Company. (See Barrows, Donald S., assignor.)
- Simplex Equipment Company. (See Blake, Ell J., assignor.)

- Simplex Equipment Company. (See Blake, E. J., and Lusink, assignors.)
- Simplex Equipment Company. (See Bouché, William F., assignor.)
- Simplex Equipment Company. (See Bouché, W. F., and Blattner, assignors.)
- Simplex Equipment Company. (See Creveling, John L., assignor.)
- Simplex Gold Stamping Press Co. Inc. (See Williams, Frank, assignor.)
- Simplex Heat Regulator Company. (See Myer, Albert P., assignor.)
- Simplex Heat Regulator Company. (See Strand, Arthur G., assignor.)
- Simplex Paper Box Co. (See Gross, Ralph A., assignor.)
- Simplex Piston Ring Company. (See Solenberger, Dean M., assignor.)
- Simplex Piston Ring Company of America, The. (See Solenberger, Dean M., assignor.)
- Simplex Piston Ring Co. of America Incorporated, The. (See Solenberger, Dean M., assignor.)
- Simplex Refining Company. (See Jurrissen, Alphonsus, assignor.)
- Simplex Sampling Association, Inc. (See Stenz, Bernard F., assignor.)
- Simplex Valve & Meter Company. (See Ledoux, John W., assignor.)
- Simplex Vending Machine Company, The. (See Varner, D. E., and Price, assignors.)
- Simplex Wire and Cable Company. (See Boggs, Charles R., assignor.)
- Simplex Wire and Cable Company. (See Middleton, Washington I., assignor.)
- Simplicity Manufacturing Company. (See Fryckberg, Samuel, assignor.)
- Simpson, Alfred M., Manila, P. I. Rotary cutter for sugar cane and the like. 1,780,247; Nov. 4.
- Simpson, Charles H., executor. (See Brown, Charles S.)
- Simpson, Charles H., et al., trustees. (See Brown, Charles S., assignor.)
- Simpson, Charles W., La Feria, Tex. Supporting hanger for roller shades. 1,771,015; July 22.
- Simpson, Dwight M., Charleston, S. C. Bale-tying mechanism. 1,757,817; May 6.
- Simpson, Emil, Spooner, Wis. Sign reflector. 1,782,181; Nov. 18.
- Simpson, Emory G. (See Field, H. C., and Simpson.)
- Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Curtain roller. 1,783,002; Nov. 25.
- Simpson, Frank H. (See James, George H., assignor.)
- Simpson, Frederick G., Seattle, Wash., assignor by mesne assignments to Pacific Radio Company, San Francisco, Calif. Radio telegraph and telephone transmitting system. 1,775,327; Sept. 9.
- Simpson, George F., Boston, Mass., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Woven-wire-cloth covering for pressing-machine elements. Re17,883; Nov. 25.
- Simpson, George N., Chicago, Ill. Car feeder. 1,742,789; Jan. 7.
- Simpson, George N., Chicago, Ill. Car dumper. 1,781,606; Nov. 11.
- Simpson, Hobart A., Ocean Grove, assignor to Asparad Radio Corporation, Asbury Park, N. J. Speaker. 1,746,289; Feb. 11.
- Simpson, Jesse W., Anderson, S. C., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,747,991; Feb. 18.
- Simpson, Jesse W., Anderson, S. C., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,747,992; Feb. 18.
- Simpson, Jesse W., Anderson, S. C., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,747,993; Feb. 18.
- Simpson, Jesse W., Anderson, S. C., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,747,994; Feb. 18.
- Simpson, Jesse W., Anderson, S. C., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,747,995; Feb. 18.
- Simpson, Jesse W., Anderson, S. C., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,747,996; Feb. 18.
- Simpson, Jesse W., Anderson, S. C., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,747,997; Feb. 18.
- Simpson, John O. (See Large, W. J., and Simpson.)
- Simpson, John O., assignor to The E. Ingraham Company, Bristol, Conn. Clock base. Des. 81,161; May 13.
- Simpson, John O., assignor to The E. Ingraham Co., Bristol, Conn. Metal base for nickel clocks. 1,785,231; Dec. 16.
- Simpson, Lancelot M., Thorner, near Leeds, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,745,039; Jan. 28.
- Simpson, Lancelot M., Leeds, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,745,040; Jan. 28.
- Simpson, Ralph W., Joliet, Ill. Artificial snow. 1,746,717; Feb. 11.
- Simpson, Ray, River Forest, assignor to Jewell Electrical Instrument Co., Chicago, Ill. Electrical measuring instrument. 1,745,722; Feb. 4.
- Simpson, Robert C., assignor to Electric Boat Company, Groton, Conn. Mine-laying submarine. 1,777,332; Oct. 7.
- Simpson, Roy B., Webster Groves, Mo. Advertising display device. Des. 81,468; June 24.
- Simpson, Roy B., Webster Groves, Mo. Wardrobe chair. Des. 82,000; Sept. 9.
- Simpson, Roy B., St. Louis, Mo. Wardrobe chair. 1,767,708; June 24.
- Simpson, Sanders C., Woodcliff, N. J. Aquarium stand or similar article. Des. 80,865; Apr. 1.
- Simpson, Tracy W., Berkeley, Calif. Window light and illuminated sign. 1,770,183; July 8.
- Simpson, Walter L. (See Bryan, Joseph H., assignor.)
- Simpson, Ward T., assignor to A. G. Dickinson, Grand Rapids, Mich. Carburetor. 1,748,149; Feb. 25.
- Simpson, William K., assignor to Hoffman Specialty Company, Waterbury, Conn. Differential loop for heating systems. 1,777,333; Oct. 7.
- Simpson, William L., Oakland, Calif. Cream separator. 1,779,830; Oct. 28.
- Simpson, William P., Mauku, New Zealand. Manure distributor. 1,770,437; July 15.
- Sims, Clarence E. (See Hamilton, W. C., and Sims.)
- Sims, Jacob, Brooklyn, N. Y. Hand bag. 1,784,759; Dec. 9.
- Sims, James E., Santa Ana, Calif. Abrading tool. 1,759,523; May 20.
- Sims, Richard J., Ottawa, Ontario, Canada. Milk-bottle holder. 1,785,232; Dec. 16.
- Sims, Thomas B., Cleburne, Tex. Treatment of sludge. 1,757,263; May 6.
- Sims, Thomas B., Cleburne, Tex. Sewage-disposal system. 1,757,264; May 6.
- Sims, Thomas B., Cleburne, assignor to L. J. Wardlaw, Tarrant County, Tex. Sewage-disposal plant. 1,757,262; May 6.
- Sims, Thomas B., Cleburne, assignor to L. J. Wardlaw, Tarrant County, Tex. Sewage-disposal-plant pump. 1,786,032; Dec. 23.
- Sims, William J., Iver, England, assignor to General Electric Company, New York, N. Y. Water heater. 1,755,082; Apr. 15.
- Simon, Herbert E., Los Angeles, Calif. Hand drill or screw driver. 1,752,703; Apr. 1.
- Simunck, Jerry H., Gregory, S. Dak. Auxiliary air inlet for humidifiers. 1,752,859; Apr. 1.
- Sinaide, Oreste, London, England. Vacuum medical apparatus. 1,767,320; June 24.
- Sinclair, Harold, Westminster, England. Hydraulic power-transmitting apparatus. 1,768,938; July 1.
- Sinclair, Leonard, assignor to Becker Valve and Specialty Corporation, Newburgh, N. Y. Mixing valve. 1,787,215; Dec. 30.
- Sinclair, Neil, assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif. Roll-about folding bed. 1,745,193; Jan. 28.
- Sinclair, Neil, assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif. Wall bed. 1,753,304; Apr. 8.
- Sinclair, Neil, assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif. Disappearing bed. 1,774,766; Sept. 2.
- Sinclair Oil and Gas Company. (See Bernard, Harold B., assignor.)
- Sinclair, Peter S., Holyoke, Mass. Ball-bearing mounting for dandy rolls. 1,783,317; Dec. 2.
- Sinclair, Peter S., assignor to Holyoke Heater Company, Holyoke, Mass. Air-inlet device for oil burners. 1,762,897; June 10.
- Sinclair Refining Company. (See Bell, John E., assignor.)
- Sinclair Refining Company. (See Bell, J. E., and Isom, assignors.)
- Sinclair Refining Company. (See Bohart, James G., assignor.)
- Sinclair Refining Company. (See Herthel, Eugene C., assignor.)
- Sinclair Refining Company. (See Herthel, E. C., and Isom, assignors.)
- Sinclair Refining Company. (See Herthel, E. C., and Pelzer, assignors.)
- Sinclair Refining Company. (See Herthel, E. C., and Tift, assignors.)
- Sinclair Refining Company. (See Herthel, E. C., Pelzer, and Stafford, assignors.)
- Sinclair Refining Company. (See Isom, Edward W., assignor.)
- Sinclair Refining Company. (See Isom, E. W., and Phillips, assignors.)
- Sinclair Refining Company. (See Knopf, Carl L., assignor.)
- Sinclair Refining Company. (See Pelzer, Harry L., assignor.)
- Sinclair Refining Company. (See Pelzer, H. L., and Herthel, assignors.)
- Sinclair Refining Company. (See Phillips, E. B., and Stafford, assignors.)
- Sinclair Refining Company. (See Rogers, Horace K., assignor.)
- Sinclair Refining Company. (See Taber, George H., Jr., assignor.)
- Sinclair Refining Company. (See Tinker, Frank, assignor.)
- Sinclair Refining Company. (See Vobach, A. C., and Herthel, assignors.)

- Sinclair, Robert, assignor to United Combustion Engineers, Inc., New York, N. Y. Pulverizer. 1,744,927; Jan. 23.
- Sinclair, Thomas E., St. Paul, Minn. Portable motor-driven hack saw. 1,776,173; Sept. 16.
- Sindeband, Maurice L., New York, and P. Sporn, Brooklyn, N. Y. Protecting high-tension circuits. 1,770,949; July 22.
- Sindeband, Maurice L., New York, N. Y., and O. K. Marti, Haddonfield, N. J., assignors to American Brown Boveri Electric Corporation, New York, N. Y. Power system and apparatus therefor. 1,783,548; Dec. 2.
- Singer, Aaron, Great Falls, Mont. Garment sizer. 1,748,193; Feb. 25.
- Singer, Emelie F. (See Jeffries, Mack D., assignor.)
- Singer, Felix, Berlin-Charlottenburg, Germany. Artificial plagioclase compound. 1,759,919; May 27.
- Singer, Fred J., Rockville Center, N. Y., assignor to American Telephone and Telegraph Company. Telegraph alarm circuit. 1,757,225; May 6.
- Singer, Fred J., Rockville Center, N. Y., assignor to American Telephone and Telegraph Company. Transmission system. 1,762,278; June 10.
- Singer, Fred J., Rockville Center, N. Y., assignor to American Telephone and Telegraph Company. Transmission system. 1,762,279; June 10.
- Singer, Fritz. (See Liebergeld, A., and Singer.)
- Singer, George G., jr., Bismarck, N. Dak. Art shield. 1,762,083; June 3.
- Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
- Singer Manufacturing Company, The. (See Barron, William L., assignor.)
- Singer Manufacturing Company, The. (See Becker, Rudolph, assignor.)
- Singer Manufacturing Company, The. (See Card, Fred-eric M., assignor.)
- Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)
- Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)
- Singer Manufacturing Company, The. (See Corral, H., and Heggie, assignors.)
- Singer Manufacturing Company, The. (See Eames, G. M., and Webb, assignors.)
- Singer Manufacturing Company, The. (See Fleckenstein, G. A. Hanf, and Waterman, assignors.)
- Singer Manufacturing Company, The. (See Gatchell, N., assignor.)
- Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
- Singer Manufacturing Company, The. (See Kaier, Richard, assignor.)
- Singer Manufacturing Company, The. (See Naul, James George S., assignor.)
- Singer Manufacturing Company, The. (See Parkes, William N., assignor.)
- Singer Manufacturing Company, The. (See Sailer, Rudolph J., assignor.)
- Singer Manufacturing Company, The. (See Waterman, Max L., assignor.)
- Singer, Samuel, San Francisco, Calif. Price tag. 1,752,509; Apr. 1.
- Singer, Samuel, San Francisco, Calif. Changeable price tag. 1,757,485; May 6.
- Singhurst, James T. (See McAdams, S. E. Skaggs, and Singhurst.)
- Singleton, Harold C., Scotia, N. Y., assignor to General Electric Company. Protective device. 1,755,970; Apr. 22.
- Singleton, Harold C., Scotia, N. Y., assignor to General Electric Company. System of illumination. 1,774,457; Aug. 26.
- Singley, Benneville L. (See Kurtz, Henry F., assignor.)
- Sinitzer, Philip, Brooklyn, N. Y. Garment hanger. 1,765,461; June 24.
- Sinko, John, Chicago, Ill. Mounting for cigar lighters. 1,764,899; June 17.
- Sinko, John, Chicago, Ill. Cigar lighter. 1,778,647; Oct. 14.
- Sinner, John, and O. A. Sinner, Los Angeles, Calif. Double-reading plumb level. 1,784,550; Dec. 9.
- Sinner, Oscar A. (See Sinner, John, and O. A.)
- Sinning, Charles J. (See Pfaff, A. J., Driy, and Sinning.)
- Sinno, Emilio, and J. A. A., and E. Llauro, Buenos Aires, Argentina. Radiator hearth for boilers and similar apparatus. 1,763,187; June 10.
- Sinton, Robert, Woburn, Mass.; F. W. Holzhauser, Wilmington, Del.; and R. G. Lutz, Hyde Park, Mass., assignors to Artisan Metal Products Company, Charlestown, Mass. Fluid heater. 1,776,984; Sept. 30.
- Slpe, Harry E., New York, N. Y. Resilient plug, dowel, and coupling pin. 1,743,492; Jan. 14.
- Slpe, Harry E., New York, N. Y. Knob, handle, and the like. 1,743,493; Jan. 14.
- Slpe, Harry E., New York, N. Y. Hinge. 1,745,773; Feb. 4.
- Sipos, Frank, Detroit, Mich. Protective device. 1,780,986; or the like. Des. 81,855; Aug. 19.
- Sipp Eastwood Corporation. (See Bogdanffy, George W., assignor.)
- Sipp Eastwood Corporation. (See Sipp, Grant, assignor.)
- Sipp, Edward A., assignor to The Pyle-National Company, Chicago, Ill. Boundary light for airplane landing fields. Nov. 11.
- Sipp, Grant, assignor to Sipp Eastwood Corporation, Paterson, N. J. Quilling machine. 1,744,060; Jan. 21.
- Sipp, Grant, assignor to Sipp Eastwood Corporation, Paterson, N. J. Warping machine. 1,756,217; Apr. 29.
- Siptrott, Paul, New York, N. Y. Pencil sharpener. 1,744,812; Jan. 28.
- Siptrott, Paul, New York, N. Y. Ornamental frame for alarm clocks. 1,785,233; Dec. 16.
- Siqueland, Tobias M., Los Angeles, Calif. Variable-speed transmission. 1,776,339; Sept. 23.
- Sirdevan, David, assignor to General Chemical Company, New York, N. Y. Catalytic converter. 1,773,322; Aug. 19.
- Sirlan Lamp Company. (See Heany, John A., assignor.)
- Sirmans, Joseph H., Stockton, Ga. Operating mechanism for loading devices. 1,781,480; Nov. 11.
- Sirotek, Louis, Chicago, Ill. Mixing valve. 1,783,264; Dec. 2.
- Sirwell, Graham R., Beverly Hills, Calif. Connector for electric wires. Des. 82,351; Oct. 21.
- Siskin, Harry, Los Angeles, Calif. Extension table. 1,751,952; Mar. 25.
- Siskin, Harry, Los Angeles, Calif. Extension table. 1,766,694; June 24.
- Sisler, Jacob H., Niagara Falls, N. Y. Oil burner. 1,769,318; July 1.
- Sisson, Harry W., Hammond, Ind. Headlight lens. 1,745,278; Jan. 28.
- Sisson, Vinton E., assignor to Railway Metal Products Company, Chicago, Ill. Adjustable support for railway-car side doors. 1,784,029; Dec. 9.
- Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Railway-car construction. 1,775,973; Sept. 16.
- Sittel, Alfred, Berlin-Lankwitz, Germany, assignor to General Electric Company. Stamping device for incandescent lamps and similar articles. 1,768,424; June 24.
- Sitton, Eugene N., La France, S. C. Padding with selvedge. 1,753,138; Apr. 1.
- Sitzman, Arthur, Brooklyn, N. Y., and E. S. Klausner, Asbury Park, N. J. Concrete building unit. 1,761,848; June 3.
- Sivertsen, Peter, New York, N. Y. Cleaning device for slicing-machine knives. 1,751,891; Mar. 25.
- Sivian, Leon J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 1,763,194; June 10.
- Six Wheel Corporation. (See Junkin, John R., assignor.)
- Six Wheel Corporation. (See Van Leuven, David L., assignor.)
- Sixma, Klaas, Montclair, N. J. Fitting for electrical conduits. 1,781,199; Nov. 11.
- Sizer, Albert W., Hesse, England. Machine for the molding of plastic substances. 1,768,008; June 24.
- Sizer, Albert W., Hesse, England. Molding machine. 1,773,552; Aug. 19.
- Sizer, Albert W., Hesse, England. Molding machine. 1,782,322; Nov. 18.
- Sizoo, Gerardus J. (See Brandsma, W. F., Dijksterhuis, Sizoo, and Jonas.)
- Sjoberg, Nels P., Chicago, Ill. Draftsman's protractor. 1,774,731; Sept. 2.
- Sjodahl, Hilding A., Cincinnati, Ohio, assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Saturating apparatus. 1,778,733; Oct. 21.
- Sjodin, Alexander, Rush City, Minn. Traction device for vehicle driving wheels. 1,777,773; Oct. 7.
- Sjolander, Axel K., assignor to Link-Belt Company, Chicago, Ill. Adjustable bearing. 1,778,231; Oct. 14.
- Sjölander, Carl G. L., Dalsborg, Sweden. Security lock. 1,755,339; Apr. 22.
- Sjöström, Bertha, Los Angeles, Calif. Manually-operated irrigator. 1,787,024; Dec. 30.
- Sjöström, Ivar L., assignor to Manufacturers' Machine Company, North Andover, Mass. Method and apparatus for finishing fabrics. 1,753,251; Apr. 8.
- Sjöström, John G. (See Mellgren, G. E., and Sjöström.)
- Skaer, Arthur P., assignor to E. P. Muntz, Buffalo, N. Y. Storage bin. 1,783,003; Nov. 25.
- Skaggs, Howard P. (See McAdams, S. E. Skaggs, and Singhurst.)
- Skarbek-Kozietulski, Wladyslaw. (See Willimek, G., and Skarbek-Kozietulski.)
- Skaupy, Franz, Lichterfelde, Berlin, H. Ewest, Berlin, H. Pulfrich, Baumschulenweg, Berlin, and W. Schallreutter, Schöneberg, Berlin, Germany, assignors to General Electric Company. Gaseous-conduction lamp. 1,774,407; Aug. 26.
- Skawran, Willy, Berlin-Niederschonhausen, and O. Steiner, and W. Lohs, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telegraphic transmission of pictures. 1,746,368; Feb. 11.
- Skayef Ball Bearing Company, The. (See Brunner, Harold E., assignor.)
- Skayef Ball Bearing Company, The. (See Brunner, H. E., and Runge, assignors.)
- Skayef Ball Bearing Company, The. (See Hutchinson, Walter L., assignor.)
- Skayef Ball Bearing Company, The. (See Jacobson, Theodore, assignor.)
- Skents, Wilfred F. (See Boyajian, Aram, and Skents.)

- Skell, James E., Newark, N. J. Frame for holding photographic films and plates. 1,752,814; Apr. 1.
- Skelly, James D., et al. (See Gartner, John H., assignor.)
- Skelly, Samuel. (See Bell, F. C., and Skelly.)
- Skelly, William J. (See Jackson, Thaddeus A., assignor.)
- Skelly, William J. (See Jackson, T. A., and Skelly.)
- Skelton, Earl W., and G. R. Knotwell, Wauneta, Nebr. Tractor guide. 1,768,218; June 24.
- Skelton, Julian M., Baltimore, Md. Butter cutter. 1,747,327; Feb. 18.
- Skelton, Owen R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Rear motor support. 1,753,839; Apr. 8.
- Skelton, Owen R., assignor to Chrysler Corporation, Detroit, Mich. Axle construction. 1,784,394; Dec. 9.
- Skentelbery, Charles, Denmark Hill, and G. R. Alden, Westminster, England. Distribution means for pulverulent material. 1,754,124; Apr. 8.
- Skerritt, George H. (See Jarrett, C. W., and Skerritt.)
- Skerritt, Roy P. (See Duty, D. G., and Skerritt.)
- Skibinski, Jozef, Philadelphia, Pa. Toy. 1,777,703; Oct. 7.
- Skidmore, Albert M., Willard, Kans. Headrest. 1,746,091; Feb. 4.
- Skidmore, Russell P., and A. Voedisch, assignors to Shaw Crane-Putnam Machine Company, Inc., Fitchburg, Mass. Center-pin-turning attachment. 1,760,530; May 27.
- Skiles, Henry D. (See Hiatt, William F., assignor.)
- Skillings, Harold F., assignor to The Blanchard Machine Company, Cambridge, Mass. Abrasive wheel. 1,767,321; June 24.
- Skillman, Edward, and G. Harmon, Bartlesville, Okla., assignors to Doherty Research Company, New York, N. Y. Automatic system for burning fuel under boilers. 1,761,158; June 3.
- Skillman, Thomas S., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,763,013; June 10.
- Skimin, George J. (See Barasch, A. I., and Skimin.)
- Skinner Automotive Device Co. (See Crane, Raymond W., assignor.)
- Skinner, Benjamin H. (See Oudin, F., and Skinner.)
- Skinner, Bertha B., Chicago, Ill. Garment. 1,765,105; June 17.
- Skinner, Bronson C., assignor, by mesne assignments, to Florida Citrus Machinery Company, Dunedin, Fla. Apparatus for sizing globular articles. 1,759,067; May 20.
- Skinner, Bronson C., assignor, by mesne assignments, to Florida Citrus Machinery Company, Dunedin, Fla. Apparatus for sizing fruit. 1,775,739; Sept. 16.
- Skinner Brothers Manufacturing Company. (See Russell, William L. A., assignor.)
- Skinner, Dudley N., Linwood, Pa. Gutter support. 1,781,085; Nov. 11.
- Skinner Engine Company. (See Gorr, Walter B., assignor.)
- Skinner Engine Company. (See Mueller, Herman G., assignor.)
- Skinner Irrigation Company, The. (See Coles, Walter H., assignor.)
- Skinner Irrigation Company, The. (See Coles, W. H., and Nelson, assignors.)
- Skinner, John, et al. (See Reini, Jack, assignor.)
- Skinner, Mortimer B., Wilmette, Ill. Pipe clamp. 1,745,279; Jan. 28.
- Skinner, Mortimer B., Wilmette, Ill. Valve-reseating tool. 1,763,330; June 10.
- Skinner Organ Company. (See Marks, Arthur H., assignor.)
- Skinner, Ralph L. (See Flogaus, Howard A., assignor.)
- Skinner, Ralph L. (See Hill, George, assignor.)
- Skinner, Sherrod E., assignor to Landers, Frary & Clark, New Britain, Conn. Electrically-heated pad. 1,758,177; May 13.
- Skinner, William E. (See Day, H. G., and Skinner.)
- Skinner, William T., Leonia, N. J. Flash device. 1,780,509; Nov. 4.
- Skirrow, Frederick W. (See Matheson, H. W., and Skirrow.)
- Skirrow, Frederick W., Shawinigan Falls, Quebec, assignor to Canadian Electro Products Company, Limited, Montreal, Canada. Synthetic gummy or resinous material and making same. 1,746,615; Feb. 11.
- Skitt, James H., assignor to Smith, Drum & Company, Philadelphia, Pa. Washing-machine cylinder. 1,777,774; Oct. 7.
- Sklarek, Clifford, assignor to International Spotlight Corporation, Chicago, Ill. Support for dirigible spotlights. 1,747,739; Feb. 18.
- Sklarek, Clifford, assignor to International Spotlight Corporation, Chicago, Ill. Focusing device. 1,756,140; Apr. 29.
- Sklarek, Clifford, Chicago, Ill., assignor to International Spotlight Corporation. Dirigibly-mounted light. 1,772,918; Aug. 12.
- Sklarek, Clifford, assignor to International Spotlight Corporation, Chicago, Ill. Focusing device. 1,779,953; Oct. 28.
- Sklerov, Benjamin. (See Meisel, G. J., and Sklerov.)
- Sklovsky, Max, assignor to Deere & Company, Moline, Ill. Rotary furnace. 1,765,949; June 24.
- Skog, August W., Minneapolis, Minn. Vehicle turning signal. 1,768,717; July 1.
- Skogh, Clifford W. (See Gourlay, A. H., and Skogh.)
- Skoglund, Jean V., assignor to Trojan Powder Company, New York, N. Y. Treating nitrated bodies. 1,751,367; Mar. 18.
- Skoglund, John S., and C. M. Engebretson, Starbuck, Minn. Roof seaming strip. 1,747,492; Feb. 18.
- Skogmark, John. (See Chase, M. F., Pierce, and Skogmark.)
- Skold, John F., Chicago, Ill. Radiator. Des. 81,895; Aug. 26.
- Skold, John F., Chicago, Ill. Electrically-heated radiator. 1,750,907; Mar. 18.
- Skolnik, Max, Chicago, Ill. Savings bank. Des. 82,352; Oct. 21.
- Skolnik, Max, assignor to Insolo Holding Company, Minneapolis, Minn. Making building blocks. 1,760,446; May 27.
- Skonberg, Eric K., Brooklyn, N. Y., assignor to Therm-O-Mat Dispenser, Inc. Liquid-dispensing device. 1,784,795; Dec. 9.
- Skov, Henry A., assignor to A/S Dansk Pressefabrik, Copenhagen, Denmark. Magnetic device for handling metal bottle caps. 1,773,646; Aug. 19.
- Skoverski, John R., Berkeley, assignor of one-half to G. H. Roberts and one-half to J. Schor, San Francisco, Calif. Boring machine. 1,748,249; Feb. 25.
- Skovronek, Rapheal, Brooklyn, N. Y. Heel. 1,772,293; Aug. 5.
- Skow, Christopher W., Newton, Iowa. Disk sharpener. 1,755,492; Apr. 22.
- Skowron, John, Los Angeles, Calif. Filing cabinet. 1,750,866; Mar. 18.
- Skreen, Orlando O., Minneapolis, Minn. Device for introducing water into engine cylinders. 1,764,755; June 17.
- Skvortzoff, Alexander A., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Conductor for transformers. 1,760,889; June 3.
- Sky Specialties Corporation. (See Heywood, Charles F., assignor.)
- Skyes, Wilfred, assignor to The Neblett Engineering Company, Chicago, Ill. Apparatus for electrical precipitation. 1,767,265; June 24.
- Slade, Edward, New York, N. Y. Friction material. 1,745,774; Feb. 4.
- Slade, Edward, New York, N. Y. Brake shoe. 1,772,639; Aug. 12.
- Slade, Harold E., Glen Ridge, N. J. Lamp-socket casing. 1,759,422; May 20.
- Slade, Harold E., Glen Ridge, assignor to Beaver Machine & Tool Co. Inc., Newark, N. J. Electrical outlet device. 1,756,704; Apr. 29.
- Slade, Harold E., Glen Ridge, assignor to Beaver Machine & Tool Co., Inc., Newark, N. J. Dual electrical outlet device. 1,757,748; May 6.
- Slade, Harold E., Glen Ridge, assignor to Beaver Manufacturing Company, Newark, N. J. Electric outlet device. 1,759,595; May 20.
- Slade, Leon D., assignor to Gleason Works, Rochester, N. Y. Quenching press. 1,772,576; Aug. 12.
- Sladek, Louis J., Chicago, and H. G. Anderson, Sycamore, Ill. Copyholder. 1,781,135; Nov. 11.
- Sladky, Alexander C. (See Sladky, Joseph and A. C.)
- Sladky, Alexander C., assignor to National Enameling and Stamping Company, Milwaukee, Wis. Insect trap. 1,783,631; Dec. 2.
- Sladky, Alexander C. and J., Milwaukee, Wis. Oil stove. 1,774,244; Aug. 26.
- Sladky, Alexander C. and J., assignors to National Enameling & Stamping Company, Milwaukee, Wis. Volatile-fluid lighter. 1,779,920; Oct. 28.
- Sladky, Joseph. (See Sladky, Alexander C. and J.)
- Sladky, Joseph and A. C., assignors to National Enameling & Stamping Co., Inc., Milwaukee, Wis. 1,754,805; Apr. 15.
- Slady, Frank, assignor to Leviton Manufacturing Company, Brooklyn, N. Y. Switch. 1,761,803; June 3.
- Slaffer, Orren H., assignor to Boyle Manufacturing Company, Inc., Los Angeles, Calif. Forming and cutting machine. 1,773,647; Aug. 19.
- Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Expansion-valve mechanism for refrigerators. 1,742,323; Jan. 7.
- Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Cooling unit for refrigerating systems. 1,773,283; Aug. 19.
- Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Supporter for cooling units of refrigerators. 1,779,564; Oct. 28.
- Slaght, Ace W., near San Jose, Calif. Radiosignaling. 1,782,831; Nov. 25.
- Slagle, Edgar A. (See O'Harra, H. M., and Slagle.)
- Slagle, Everett R., Sayre, Pa. Generator and battery protective means. 1,757,486; May 6.
- Slagle, Thomas J. (See Cross, H., and Slagle.)
- Slagter, Arthur J., Muskogee, Okla., assignor to Transcontinental Oil Company, Pittsburgh, Pa. Method and apparatus for processing heavy oils. 1,757,596; May 6.
- Slaker, Joseph H., assignor to Western Wheeled Scraper Company, Aurora, Ill. Earth scraper. 1,760,016; May 27.
- Slane, Charles P. (See Page, F. D., and Slane.)
- Slate Aircraft Corporation. (See Slate, Thomas B., assignor.)

- Slate, Thomas B., Glendale, Calif., assignor to Slate Aircraft Corporation. Elevator system for loading and unloading dirigible airships. 1,772,229; Aug. 5.
- Slate, Thomas B., Glendale, Calif., assignor to Slate Aircraft Corporation. Metallic airship of the rigid type. 1,780,448; Nov. 4.
- Slaten, Albert, Minneapolis, Minn. Faucet. 1,765,106; June 17.
- Slaten, Albert, Minneapolis, Minn. Measuring valve. 1,784,255; Dec. 9.
- Slater, Samuel P., Atlanta, Ga. Rat trap. 1,760,324; May 27.
- Slathar, Fritz, deceased, by M. Slathar, executrix, Minneapolis, Minn. Seed planter. 1,762,671; June 10.
- Slathar, Marie, executrix. (See Slathar, Fritz.)
- Slaughter, Richard A., Jr., Topeka, Kans. Automobile. Des. 81,813; Aug. 12.
- Slawson, Ward W., Somerville, Mass. Coin-controlled turnstile. 1,772,468; Aug. 12.
- Slaymaker Lock Company, The. (See Smith, Wilson H., assignor.)
- Sleaster, Frederick I., New York, assignor to Adirondack Enterprises Inc., Riverbank, N. Y. Forced-draft attachment for fire boxes. 1,743,048; Jan. 7.
- Slebobodnik, Coleman, assignor to Geo. Moser Leather Co., New Albany, Ind. Hide-stretching device. 1,756,103; Apr. 29.
- Sledge, Cecil B., and D. J. O'Connor, Jr., Augusta, Ga. Holder for maps, etc. 1,760,785; May 27.
- Slee, John A., London, England, assignor to Radio Corporation of America. Indicating angular position particularly applicable to wireless direction finding apparatus. 1,757,265; May 6.
- Slee, Robert W., Three Rivers, Mich. Automobile creeper. 1,764,756; June 17.
- Slee, Robert W., Lansing, Mich. Auto creeper. 1,764,757; June 17.
- Sleeman, Harold, Iron River, Mich. Pulley block. 1,749,515; Mar. 4.
- Sleeman, Harold P., assignor to The R. Thomas & Sons Company, East Liverpool, Ohio. Insulator. 1,755,032; Apr. 15.
- Sleeman, Harold P., assignor to The R. Thomas & Sons Company, Lisbon, Ohio. Coupling for insulators. 1,760,786; May 27.
- Sleeman, William C., Birmingham, Ala. Railway-brake equipment. 1,752,704; Apr. 1.
- Sleeper, Frank H., assignor to Sleeper & Hartley, Inc., Worcester, Mass. Machine for making lock washers. 1,761,279; June 3.
- Sleeper, Frank H., Worcester, and W. H. Blount, West Brookfield, assignors to Sleeper & Hartley, Inc., Worcester, Mass. Take-up machine. 1,753,950; Apr. 8.
- Sleeper & Hartley, Inc. (See Nigro, Michel, assignor.)
- Sleeper & Hartley, Inc. (See Nigro, M., and Blount, assignors.)
- Sleeper & Hartley, Inc. (See Sleeper, Frank H., assignor.)
- Sleeper & Hartley, Inc. (See Sleeper, F. H., and Blount, assignor.)
- Sleeper, Harvey P., Elizabeth, N. J. Relay-testing apparatus. 1,763,195; June 10.
- Sleeper, Milton B., assignor to Sleeper Research Laboratories, Inc., New York, N. Y. Medicinal bag. 1,768,796; July 1.
- Sleeper Research Laboratories, Inc. (See Sleeper, Milton B., assignor.)
- Sleeper, Robert R., Boundbrook, N. J., assignor, by mesne assignments, to The Calco Chemical Company, Inc. Dyeing. 1,753,877; May 13.
- Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Polarization-cell condenser. 1,744,014; Jan. 14.
- Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator string. 1,763,196; June 10.
- Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistance plate. 1,763,267; June 10.
- Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistor material and making same. 1,763,268; June 10.
- Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rectifier. 1,749,549; Mar. 4.
- Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Copper oxide rectifier. 1,765,502; June 24.
- Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,784,760; Dec. 9.
- Slichter, Charles S., assignor to Motorheater Company, Madison, Wis. Heating device for internal-combustion motors. 1,781,412; Nov. 11.
- Slichter, Donald C., et al. (See Mason, Max, assignor.)
- Slichter, Louis B., et al. (See Mason, Max, assignor.)
- Slick, Edwin E., Pittsburgh, Pa. Cake plate or similar article. Des. 81,306; June 3.
- Slick, Edwin E., Pittsburgh, Pa. Continuous glass-melting pot. 1,754,912; Apr. 15.
- Slick, Edwin E., Jr., Pittsburgh, Pa. Grinding machine and method of grinding. 1,767,775; June 24.
- Sligh, Tom S., Jr. (See Paton, C. R., and Sligh.)
- Slinger, John P., St. Louis, Mo. Art clay. 1,763,103; June 10.
- Slingerland, Arthur J., Chicago, Ill. Window fastener. 1,762,280; June 10.
- Slingluff, Eugene, sr. (See Adams, W. S., and Slingluff.)
- Slining, Henry G., Walnut Park, Calif. Lawn sprinkler. 1,764,758; June 17.
- Slinn, James B., Bonaparte, Iowa. Flying machine. 1,758,178; May 13.
- Slinn, James B., Bonaparte, Iowa. Airplane wing. 1,760,787; May 27.
- Slisz, John, East St. Louis, Ill., assignor of one-half to J. R. Brockman, St. Louis, Mo. Current-limiting device. 1,770,090; July 8.
- Sliter, Leon A., assignor to Durametallic Corporation, Kalamazoo, Mich. Packing and making the same. 1,747,998; Feb. 18.
- Sliter, Leon A., assignor to Durametallic Corporation, Kalamazoo, Mich. Machine for manufacturing metallic packing. 1,752,115; Mar. 25.
- Sliwa, Walenty. (See Widuch, A., Hayduk, and Sliwa.)
- Sloan, Alfred C., Philadelphia, Pa. Vibratory device for dental molding machines. 1,752,266; Mar. 25.
- Sloan, Arthur H., assignor to A. L. Golinkin, Chicago, Ill. Conduit-driving machine. 1,776,798; Sept. 30.
- Sloan Brothers. (See Atterholt, Oliver S., assignor.)
- Sloan & Company. (See MacDonald, Allan A., assignor.)
- Sloan, Edward J., et al. (See Gignac, Earle C., assignor.)
- Sloan, Elgan S., Shippenville, Pa. Contents-discharging device for pump, drill, or other cylinders. 1,742,939; Jan. 7.
- Sloan, George S., as trustee. (See Robe, Walten B., assignor.)
- Sloan, Harry E., Pitman, N. J. Printer's galley. 1,770,950; July 22.
- Sloan, Theodore H., Charleroi, Pa. Coaster. Des. 80,698; Mar. 11.
- Sloan, Theodore H., Charleroi, Pa., assignor to Macbeth-Evans Glass Company. Forming thin-walled glass articles. 1,785,535; Dec. 16.
- Sloan Valve Company. (See Moseley, Alexander W., assignor.)
- Sloan, William E., Chicago, Ill. Flush valve. 1,756,263; Apr. 29.
- Sloane, Reginald G. (See Becker, A. E., and Sloane.)
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Electric-circuit safety lock. 1,749,091; Mar. 4.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Explosionproof fuse. 1,765,546; June 24.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Cable-reel locomotive. 1,765,547; June 24.
- Sloane, W. & J., Manufacturing Company. (See Tomec, John, assignor.)
- Sloane, W. & J., Manufacturing Company. (See Tomec, J., and Cubrda, assignors.)
- Sloat, H. W., Company. (See Sloat, Harry W., assignor.)
- Sloat, Harry W., Wilmar, assignor to H. W. Sloat Company, Los Angeles, Calif. Producing synthetic nuts. 1,774,110; Aug. 26.
- Slocumb, F. F. & Co. (See Young, Howard P., assignor.)
- Slocumb, George W., Los Angeles, Calif. Turbine pump. 1,772,525; Aug. 12.
- Slocumbe, George C., Long Beach, and A. J. Cormier, Bellflower, Calif. Drilling bit. 1,781,413; Nov. 11.
- Slocum, Benjamin A., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Film-shifting device for cameras. 1,747,328; Feb. 18.
- Slocum, Joseph H., Los Angeles, Calif. System and means of elevating fluid. 1,759,467; May 20.
- Slocumb, Lloyd G., Ferguson, Mo. Radio receiving apparatus. 1,781,414; Nov. 11.
- Slonecker, Abiram J., Trenton, Mo. Mixing device. 1,747,399; Feb. 18.
- Slonimsky, Samuel E., Sawtelle, Calif. Propeller for airplanes and the like. 1,767,776; June 24.
- Slonneger, John C., assignor to Milwaukee Power Lawn Mower Company, Milwaukee, Wis. Lawn-mower drive. 1,755,844; Apr. 22.
- Sloss, Stanley E., Louisville, Ky. Mantel. Des. 80,975; Apr. 15.
- Slotzky, David, Cleveland, Ohio. Mechanism for advertising devices. 1,749,784; Mar. 11.
- Slusher, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-building apparatus. 1,753,973; Apr. 8.
- Slusser Holding Inc. (See Slusser, Leland, D., assignor.)
- Slusser, Leland D., assignor to Slusser Holding, Inc., Ottawa, Ohio. Coin-controlled switch. 1,784,079; Dec. 9.
- Sly, Art. (See Pickens, Claude A., assignor.)
- Sly, Caryl. (See Dykstra, H. B., and Sly.)
- Sly, W. W., Manufacturing Company, The. (See Boesger, George A., assignor.)
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Metallic-plate wall element. 1,743,692; Jan. 14.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Railway-car construction. 1,746,561; Feb. 11.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Roof structure for railway cars. 1,752,355; Apr. 1.

- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Metallic-plate wall element. 1,773,380; Aug. 19.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Metal structure for railway cars. 1,776,011; Sept. 16.
- Small, Bernard F., Chicago, Ill., assignor to International Harvester Company. Taper-gauge structure. 1,769,077; July 1.
- Small, Bertram A., Chicago, Ill., assignor of one-third to W. D. Thompson, Racine, Wis. Tire-chain-applying device. 1,763,906; June 17.
- Small, Chesley T., St. Louis, Mo. Roller plunger support. 1,746,802; Feb. 11.
- Small, Chesley T., St. Louis, Mo. Ball-plunger support. 1,748,086; Feb. 25.
- Small, Chesley T., St. Louis, Mo. Hoisting and tilting truck for tanks. 1,753,756; Apr. 8.
- Small, Chesley T., St. Louis, Mo. Can-filling machine. 1,766,263; June 24.
- Small, Chesley T., St. Louis, Mo. Plunger support. 1,766,264; June 24.
- Small, Gordon A., and J. J. Henze, assignors to A. Backus Jr. and Sons, Detroit, Mich. Packing crate. 1,771,016; July 22.
- Small, Guy O., Lynn, Mass., assignor to General Electric Company. Manufacturing nonmetallic gear wheels and the like. 1,779,295; Oct. 21.
- Small, James W., Chicago, Ill. Sound amplifier for radio-cabinets. 1,745,511; Feb. 4.
- Small, John D. (See Jones, C. L., and Small.)
- Small, John W., Richmond, Va. Atomizing lubricator. 1,769,043; July 1.
- Small, Jonathan C., Provincetown, Mass. Stern construction for motor boats and the like. 1,755,709; Apr. 22.
- Small, Milton, Brooklyn, N. Y. Fibrous container. 1,760,325; May 27.
- Small, William. (See McConnell, J. N., and Small.)
- Smalley Accessories Corp. (See Amberg, Walter E., assignor.)
- Smalley, Burton M., assignor to Joslyn Manufacturing & Supply Co., Chicago, Ill. Insulator mounting. 1,749,359; Mar. 4.
- Smalley, Edwin L., Whitefish Bay, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Heating-element-mounting means. 1,762,701; June 10.
- Smalley, Edwin L., Whitefish Bay, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Heating-element-mounting construction. 1,768,865; July 1.
- Smalley, Edwin L., assignor to Hevi Duty Electric Company, Milwaukee, Wis. Conveyor. 1,773,881; Aug. 26.
- Smalley, Henry R., The United States Army, Washington, D. C. Gaiting harness. 1,759,172; May 20.
- Smalley, Robert C., Arlington, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Insulator. 1,755,971; Apr. 22.
- Smalley, Robert C., Arlington, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Producing vacuum-tube-lamp envelopes of special design. 1,763,071; June 10.
- Smallhouse, Albert A., Los Angeles, Calif. Air and moisture separator for compressed-air systems. 1,774,295; Aug. 26.
- Smallwood, Graeme T., and H. K. Acker, Washington, D. C. Receptacle closure. 1,779,018; Oct. 21.
- Smart, Ezra E., Hartford, Conn. Electric switch. 1,746,911; Feb. 11.
- Smart, James, Orlando, Fla. Shoe stretcher. 1,786,965; Dec. 30.
- Smart, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Device for indicating cooking temperatures of waffle irons and the like. 1,763,991; June 17.
- Smart Set Shops. (See Wolf, Jacob R., assignor.)
- Smart, Willard R., Los Angeles, Calif. Lamp. 1,776,481; Sept. 23.
- Smede, Lloyd, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Anode of carbonized iron or the like. 1,781,305; Nov. 11.
- Smedley, Anderson B., Cincinnati, Ohio. Window glass or the like. 1,748,587; Feb. 25.
- Smékal, Josef, Josefuv Dul, Czechoslovakia. Steam plant. 1,760,215; May 27.
- Smékal, Josef, Prague Smichov, Czechoslovakia. Steam-accumulator plant. 1,770,256; July 8.
- Smelker, Le Roy, Dayton, Ohio. Automobile seat and the like. Re17,680; May 27.
- Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Combined casing for a suction cleaner and dust-bag receptacle or similar article. Des. 82,003; Sept. 9.
- Smellie, Donald G., Maywood, Ill.; assignor to The Hoover Company. Clothes washer. 1,748,150; Feb. 25.
- Smelser, Lafayette L. (See Main, O. E., and Smelser.)
- Smek, Samuel L., Cleveland, Ohio. Casement-window scaffold. 1,757,396; May 6.
- Smethers, James. (See Chase, L. W., Smethers, Brand, and Barnhart.)
- Smethers, James A., and W. Elliott, assignors to Dempster Mill Manufacturing Company, Beatrice, Nebr. Ridge-splitter. 1,781,670; Nov. 11.
- Smid, John D., Wichita, Kans. Shelving. 1,765,888; June 24.
- Smith, F. L., and Company. (See Davis, Frederick W., assignor.)
- Smith, F. L., & Co. (See Jensen, Axel V., assignor.)
- Smith, F. L., & Co. (See Middelboe, Kristian, assignor.)
- Smith, F. L., & Co. (See Pontoppidan, Carl, assignor.)
- Smith, F. L., & Co. (See Treschow, Michael, assignor.)
- Smiley, Cassius C., Greensburg, Ind. Match box. 1,746,290; Feb. 11.
- Smiley, Edwin, Penfield, Pa. Furnace structure. 1,764,475; June 17.
- Smiley, John F., Dallas, Tex. Self-service-store equipment. 1,750,060; Mar. 11.
- Smiley, Samuel, jr., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Suspension device. 1,755,338; Apr. 22.
- Smiley, Samuel, jr., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Filing tray. 1,787,410; Dec. 30.
- Smilie, Robert H., Oakland, Calif. Reconditioning device for tennis balls. 1,766,198; June 24.
- Smit, Jan A. B., assignor to Naamlooze Vennootschap Internationale Oxygenium Maatschappij, Novadel, Deventer, Netherlands. Screw conveyer. 1,757,341; May 6.
- Smith, A. O., Corporation. (See Andren, Birger, assignor.)
- Smith, A. O., Corporation. (See Bell, Raymond T., assignor.)
- Smith, A. O., Corporation. (See Burgess, Edward W., assignor.)
- Smith, A. O., Corporation. (See Carlson, Arthur W., assignor.)
- Smith, A. O., Corporation. (See Crawford, William E., assignor.)
- Smith, A. O., Corporation. (See Heineman, Warren F., assignor.)
- Smith, A. O., Corporation. (See Larson, Clas S., assignor.)
- Smith, A. O., Corporation. (See Stresau, Richard, assignor.)
- Smith, A. O., Corporation. (See Wetmore, Charles P., assignor.)
- Smith, Aaron J. (See Mackie, J. E., and Smith.)
- Smith, Agnes, Bayside, N. Y. Supplemental door. 1,777,901; Oct. 7.
- Smith, Alba J., assignor to Gill Manufacturing Company, Chicago, Ill. Making piston rings. 1,758,719; May 13.
- Smith, Albert C., Winthrop, assignor to W. F. Baird, Boston, Mass. Refrigerating truck. 1,758,477; May 13.
- Smith, Albert G., assignor to The Miller Rubber Company, Akron, Ohio. Apparatus for producing spaced blanks from a continuously-moving plastic sheet. 1,751,451; Mar. 18.
- Smith, Albert H., Birmingham, England. Cinematograph film. Re17,625; Mar. 18.
- Smith, Albert K., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for dehumidifying air, etc. 1,772,089; Aug. 5.
- Smith, Albert K., Midland, Mich., and C. F. Prutton, East Cleveland, Ohio, assignors to The Dow Chemical Company, Midland, Mich. Purification of magnesium chloride. 1,768,797; July 1.
- Smith, Albert K., Midland, Mich., and C. F. Prutton, East Cleveland, Ohio, assignors to The Dow Chemical Company, Midland, Mich. Separating calcium and magnesium chlorides. 1,780,098; Oct. 23.
- Smith, Albert K., West Orange, N. J., assignor to The Hills Brothers Company, Inc. Pimiento-coring machine. 1,775,918; Sept. 16.
- Smith, Albert W., Lakewood, Ohio. Dishwasher. 1,763,992; June 17.
- Smith, Albert W., and J. M. Nelson, Youngstown, Ohio. Method of and apparatus for casting metal. 1,757,549; May 6.
- Smith, Albert W., and R. B. Jones, Youngstown, Ohio. Furnace. 1,767,817; June 24.
- Smith, Alfred A., New York, N. Y. Electrical fixture. 1,780,847; Nov. 4.
- Smith, Alfred B., and C. R., Wolverhampton, England. Discharge shutter for mixing and analogous apparatus. 1,744,928; Jan. 28.
- Smith, Alfred B., and C. R., Wolverhampton, England. Mixing apparatus. 1,751,221; Mar. 18.
- Smith, Alfred B., and C. R., Wolverhampton, England. Foundry molding box. 1,757,226; May 6.
- Smith, Alfred B., and C. R., Wolverhampton, England. Apparatus for treating and mixing comminuted or finely-divided materials. 1,772,640; Aug. 12.
- Smith, Alfred B., and C. R., Wolverhampton, England. Mixing apparatus. 1,782,795; Nov. 25.
- Smith, Algernon L., Birmingham, Ala. Hull extractor. 1,766,312; June 24.
- Smith, Allen C., assignor to The T-Hold Mfg. Co., Cleveland, Ohio. Plug. 1,768,456; June 24.
- Smith, Alta L., Chester, Va. Protecting banks. 1,757,688; May 6.
- Smith, Andrew F., Seattle, Wash. Compressed-spring machine. 1,762,747; June 10.
- Smith, Anthony R., Elyria, assignor to Steel and Tubes, Inc., Cleveland, Ohio. Lock. 1,752,968; Apr. 1.
- Smith, Arthur B., Evanston, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Transmitter. 1,772,691; Aug. 12.
- Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. Re17,906; Dec. 16.
- Smith, Arthur E., Los Angeles, Calif. Ampul. Des. 81,599; July 15.
- Smith, Arthur E., Los Angeles, Calif. Receptacle closure. 1,748,681; Feb. 25.

- Smith, Arthur E., Los Angeles, Calif. Automatic valve for closures. 1,748,682; Feb. 25.
- Smith, Arthur E., Los Angeles, Calif. Ampul. 1,770,220; July 8.
- Smith, Arthur E., Los Angeles, Calif. Closure for collapsible tubes. 1,770,630; July 15.
- Smith, Arthur E., Los Angeles, Calif. Syringe. 1,770,631; July 15.
- Smith, Arthur E., Los Angeles, Calif. Ampul syringe. 1,770,632; July 15.
- Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 1,770,633; July 15.
- Smith, Arthur E., Los Angeles, Calif. Syringe. 1,770,634; July 15.
- Smith, Arthur L., Boston, assignor to Cameo Overlay Corporation, Cambridge, Mass. Overlay sheet and producing the same. 1,742,618; Jan. 7.
- Smith, Arthur M., Oakland, Calif., assignor to The Rome Company, Inc., Rome, N. Y. Door mounting. 1,778,434; Oct. 14.
- Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Power installation. 1,759,718; May 20.
- Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Superheater. 1,776,135; Sept. 16.
- Smith, Aubrey, Scotia, and R. M. Matson, Schenectady, N. Y., assignor to General Electric Company. Brake mechanism. 1,768,457; June 24.
- Smith, August J., Chicago, Ill. Wall cabinet. 1,751,107; Mar. 18.
- Smith, Augustus, Denver, Colo., assignor to C. T. Daly and M. B. Daly, Billings, Mont. Broomcorn harvester. 1,781,961; Nov. 18.
- Smith, Benjamin, Chelsea, Mass. Edible container for ice cream. Des. 82,455; Nov. 4.
- Smith, Benjamin B., Tullahoma, Tenn. Golf-club-head construction. 1,768,378; June 24.
- Smith, Benjamin H., assignor to Michigan Wire Goods Company, Niles, Mich. Kitchen and camp implement. 1,754,968; Apr. 15.
- Smith, Benjamin H., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Measuring instrument. 1,757,597; May 6.
- Smith, Benjamin H., assignor to Michigan Wire Goods Company, Niles, Mich. Collapsible fork and like implement. 1,768,425; June 24.
- Smith, Benjamin H., assignor to Michigan Wire Goods Company, Niles, Mich. Fork. 1,769,471; July 1.
- Smith, Bennet A., (See McGee, William C., assignor.)
- Smith, Bernard C., New York, N. Y. Permutation padlock. 1,755,521; Apr. 22.
- Smith, Bernard P., assignor to The Regina Corporation, Rahway, N. J. Disinfecting attachment for vacuum cleaners. 1,783,859; Dec. 2.
- Smith, Bert A., Fayette, Iowa. End gate and retaining means therefor. 1,755,672; Apr. 22.
- Smith, Botsford S., Fort Fairfield, Me. Vine protector. 1,760,179; May 27.
- Smith, Boyd H., (See Love, F. B., and Smith.)
- Smith, Bruce A., Box Hill, Victoria, Australia. Power take-off mechanism. 1,778,091; Oct. 14.
- Smith, Bruce A., Box Hill, assignor to Smithco Friction Lift Proprietary Limited, South Melbourne, Victoria, Australia. Power-take-off mechanism. 1,778,965; Oct. 21.
- Smith, Bruno M., West Orange, and C. W. Dann, East Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Cream pot or like article. Des. 82,209; Sept. 30.
- Smith, Bruno M., West Orange, and C. W. Dann, East Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Sugar pot or like article. Des. 82,210; Sept. 30.
- Smith, Bryan H., Berkeley, Calif. Direction indicator. 1,766,199; June 24.
- Smith, Burgess W., assignor to The Todd Company, Inc., Rochester, N. Y. Paper for bank checks and the like. Des. 80,333; Jan. 14.
- Smith, Byron E., Ketchikan, Alaska. Variable-speed induction motor. 1,769,652; July 1.
- Smith Cannery Machines Co. (See Oates, N. L., and Waugh, assignors.)
- Smith, Carlos A., sr., Bellaire, Ohio. Rug-cleansing mechanism. 1,767,558; June 24.
- Smith, Cecil C., assignor to Swift & Company, Chicago, Ill. Bacon holder. 1,755,413; Apr. 22.
- Smith, Charles A., (See Griggs, H. D., and Subira, assignors.)
- Smith, Charles E., assignor to Universal Time Switch Company Limited, Vancouver, British Columbia, Canada. Time switch. 1,743,574; Jan. 14.
- Smith, Charles E., Oroville, Calif. Aeroplane propeller. 1,759,468; May 20.
- Smith, Charles F., assignor to Brake Synchrometer Co., Boston, Mass. Brake-testing apparatus. 1,746,718; Feb. 11.
- Smith, Charles F., Quincy, assignor to Brake Synchrometer Co., Boston, Mass. Brake-testing apparatus. 1,756,666; Apr. 29.
- Smith, Charles F., assignor to Smith Engineering Works, Milwaukee, Wis. Feeding device for crushers and the like. 1,761,240; June 3.
- Smith, Charles F., New Britain, and S. J. Helweg, Hartford, assignors to Landers, Frary & Clark, New Britain, Conn. Washing machine. 1,764,476; June 17.
- Smith, Charles H., Chelmsford, England, assignor to Norma-Hoffman Bearings Corporation, Stamford, Conn. Bearing for railway cars and the like. 1,765,705; June 24.
- Smith, Charles J., Dearborn, and H. A. Hicks, assignors to Ford Motor Company, Detroit, Mich. Airplane brake. 1,746,017; Feb. 4.
- Smith, Charles S., et al., executors. (See Ingersoll, Robert H.)
- Smith, Charles S., Milwaukee, by judicial decree of distribution and assignment, to G. M. Smith, trustee, Shorewood, Wis. Machine for truing grinding wheels. 1,753,448; Apr. 8.
- Smith, Charles W., Green Island, N. Y. Extension-bit holder. 1,768,219; June 24.
- Smith, Charlie. (See Fisher, W., and Smith.)
- Smith, Christian L., assignor of one-half to V. J. Robinson, Akron, Ohio. Vapor-supply means for internal-combustion engines. 1,766,363; June 24.
- Smith, Clifford R., (See Smith, Alfred B. and C. R.)
- Smith, Clinton T., assignor to Fillwik Company, Attleboro, Mass. Cosmetic container. 1,774,767; Sept. 2.
- Smith, Clyde B., Akron, Ohio. Measuring instrument. 1,770,863; July 15.
- Smith, Clyde H., et al. (See Bass, Donnie L., assignor.)
- Smith, Corle H., (See De Bracht, Joseph, assignor.)
- Smith & Crosby. (See Gammell, Ove L., assignor.)
- Smith & Crosby. (See Gammell, O. L., and Woodward, assignors.)
- Smith, Curtis F., (See Cave, H., and Smith.)
- Smith, Curtis F., (See Cave, H., and Smith.)
- Smith, Cyril S., Cambridge, assignor of one-half to C. R. Hayward, Quincy, Mass. Deoxidizing copper. 1,755,309; Apr. 22.
- Smith, Cyrus F., Colville, Wash. Photograph enlarging apparatus. 1,748,523; Feb. 25.
- Smith, Daniel W., Oak Park, and W. Webber, La Grange, Ill., assignors to International Harvester Company. Binder hitch. 1,782,586; Nov. 25.
- Smith, Darwin J., (See Le Noir, W. S., Smith, and Engler.)
- Smith, Dave F., et al., executors. (See Dyas, Dave S.)
- Smith, David R. C., and J. H. Coulter, Canastota, N. Y. Conveyor mechanism. 1,779,194; Oct. 21.
- Smith & Davis Manufacturing Company. (See Duvall, William J., assignor.)
- Smith, Davis E., Detroit, Mich. Piston. 1,766,842; June 24.
- Smith, Delno E., Indianola, Iowa. Clean-egg nest structure. 1,769,396; July 1.
- Smith, Dewey R., (See Lemex, J. D., and Smith.)
- Smith, Donald M., Westmoreland County, assignor to McKee Glass Company, Jeannette, Pa. Vase. Des. 80,543; Feb. 18.
- Smith, Donald N., (See Cook, T. R., and Smith.)
- Smith, Drum & Company. (See Skitt, James H., assignor.)
- Smith, Drum & Company. (See Jaxheimer, William H., assignor.)
- Smith, E. Payson. (See Brown, Lloyd J., assignor.)
- Smith, E. Payson. (See Harbert, Victor H., assignor.)
- Smith, E. Payson. (See Johnson, Malcolm S., assignor.)
- Smith, Earl F., and G. K. Wilson, assignors to Midwest Metal Products Company, Muncie, Ind. Housing stay and support device. 1,750,061; Mar. 11.
- Smith, Earl F., and G. K. Wilson, assignors to Midwest Metal Products Company, Muncie, Ind. Support attachment for electric switch boxes and the like. 1,779,681; Oct. 28.
- Smith, Earle C., assignor, by mesne assignments, to Central Alloy Steel Corporation, Massillon, Ohio. Manufacture of steel. 1,744,418; Jan. 21.
- Smith, Earle R., Alhambra, Calif. Carpet sweeper. Des. 81,669; July 22.
- Smith, Edmund S., (See Smith, Sheldon W. and E. S.)
- Smith, Edward A., Chicago, Ill. Cabinet door and mirror frame. 1,750,366; Mar. 11.
- Smith, Edward A., West Englewood, N. J. Snow removal. 1,753,757; Apr. 8.
- Smith, Edward A., Cincinnati, Ohio. Insulating covering for fittings. 1,774,732; Sept. 2.
- Smith, Edward D., Erie, Pa. Cutting tool. 1,770,951; July 22.
- Smith, Edward F., Chicago, Ill., assignor to Haynes Stellite Company, Kokomo, Ind. Making metal-working tools. 1,761,755; June 3.
- Smith, Edward J., assignor to Mary E. Smith, Cleveland, Ohio. Resonant shadeless desk. 1,767,156; June 24.
- Smith, Edward M., (See Ost, Frederick A., assignor.)
- Smith, Edwin S., Harrisburg, Pa. Combination sling shot and bow. 1,781,530; Nov. 11.
- Smith, Elijah D., and C. S. McIntyre, Drumright, Okla. Long-stroke pumping outfits. 1,781,347; Nov. 11.
- Smith, Elijah H., Morgantown, W. Va. Dresser. 1,764,229; June 17.
- Smith, Elmer H., assignor to Endicott Johnson Corporation, Endicott, N. Y. Machine for scrubbing and oiling leather. 1,764,809; June 17.
- Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Applying labels to packages. 1,752,705; Apr. 1.
- Smith, Elmer L., assignor to Package Machinery Company, Springfield, Mass. Package and forming the same. 1,754,839; Apr. 15.
- Smith Engineering Works. (See Smith, Charles F., assignor.)

- Smith, Ernest C., Chicago, Ill., assignor to International Harvester Company. Manure-spreader body. 1,751,561; Mar. 25.
- Smith, Ernest L., Santa Cruz, assignor to Ringlette Permanent Company, San Francisco, Calif. Hair curler. 1,754,532; Sept. 2.
- Smith, Eugene B., assignor to E. W. Colledge, trustee for National Turpentine Products Company, Jacksonville, Fla., and American Turpentine & Tar Company, Ltd., New Orleans, La. Converting turpentine and pine-tar oils into heavier oils. 1,784,949; Dec. 16.
- Smith, F. A., Manufacturing Company. (See Connolly, William B., assignor.)
- Smith, F. A., Manufacturing Company. (See Mahan, Charles B., assignor.)
- Smith, Floyd, Morrisville, Pa., assignor to Switlik Manufacturing Company. Parachute harness. 1,784,162; Dec. 9.
- Smith, Floyd, San Diego, Calif., assignor to Switlik Manufacturing Company, Trenton, N. J. Parachute pack. 1,755,414; Apr. 22.
- Smith, Francis B., San Francisco, Calif. Method of and apparatus for setting precast forms in aqueous bodies. 1,750,137; Mar. 11.
- Smith, Francis, Silt, Colo. Gate fastener. 1,772,326; Aug. 5.
- Smith, Frank. (See Griffin, T. F., and Smith.)
- Smith, Frank, Cincinnati, Ohio. Hanger hook. Des. 80,640; Mar. 4.
- Smith, Frank C., et al., executors. (See Fox, William T.)
- Smith, Frank E., Scottsdale, Pa. Conveyor-driving mechanism. 1,749,852; Mar. 11.
- Smith, Frank E., Billingham, Stockton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Automatic regulator. 1,764,536; June 17.
- Smith, Frank E., Scottsdale, Pa. Car. 1,772,162; Aug. 5.
- Smith, Frank H., et al. (See Nowak, A. K., and Dinzi, assignors.)
- Smith, Frank H., Philadelphia, Pa. Vulcanizing press. 1,744,339; Jan. 21.
- Smith, Frank H., Kent, Ohio, assignor of one-half to A. K. Nowak, Chicago, Ill. Press. 1,766,265; June 24.
- Smith, Frank L., Columbiana, Ohio. Constructing furniture. 1,781,036; Nov. 11.
- Smith, Frank L., J. S. Caufield, and C. J. Peterson, Sacramento, Calif., assignors, by mesne assignments, to Super Mold Corporation, Reno, Nev. Adjustable mold for re-treading tires. 1,750,867; Mar. 18.
- Smith, Frank M., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Attachment for calculating machines. 1,783,172; Nov. 25.
- Smith, Franklin S., Brooklyn, N. Y. Ash receiver. 1,763,678; June 17.
- Smith, Franklin S., Philadelphia, Pa., assignor to The Products Protection Corporation, New York, N. Y. Housing for high-voltage terminals. 1,744,929; Jan. 28.
- Smith, Fred E., assignor to Andes Range and Furnace Corp., Geneva, N. Y. Flue for pilot lights for gas ranges. 1,748,194; Feb. 25.
- Smith, Fred W., Montclair, N. J., assignor to Scott & Williams, Inc., New York, N. Y. Knit fabric and making the same. 1,772,230; Aug. 5.
- Smith, Frederick A. (See Blacker, J., and Smith.)
- Smith, Frederick A., New York, N. Y. Safety shutter for automobile mirrors. 1,743,575; Jan. 14.
- Smith, Frederick A., Indianapolis, Ind., assignor, by mesne assignments, to Detroit and Security Trust Company. Double tire carrier. 1,773,284; Aug. 19.
- Smith, Frederick A., Indianapolis, Ind., assignor, by mesne assignments, to Houdaille-Hershey Corporation. Self-lubricating fan. 1,773,882; Aug. 26.
- Smith, Frederick E., Santa Paula, Calif. Valve seat. 1,751,664; Mar. 25.
- Smith, Frederick E., Santa Paula, Calif. Replacement valve seat. 1,770,112; July 8.
- Smith, Frederick P., Glassboro, assignor of one-half to J. N. Paff, Glen Lake, N. J. Attachment for gas governors. 1,763,376; June 10.
- Smith, Frederick W., Niagara Falls, Ontario, Canada. Indicator for internal-combustion engines. 1,786,034; Dec. 23.
- Smith, Galbraith M., trustee. (See Smith, Charles S., by judicial decree of distribution and assignment.)
- Smith, Garland B., Oconomowoc, Wis. Combined salt and pepper shaker. 1,749,853; Mar. 11.
- Smith, George A., Springfield, Ohio. Dental plate and the method of constructing same. 1,754,058; Apr. 8.
- Smith, George A., Strayton, Ore. Bean snipper. 1,777,384; Oct. 7.
- Smith, George E., Baltimore, Md. Gas cock. 1,757,550; May 6.
- Smith, George H., assignor to Norton Company, Worcester, Mass. Feeding mechanism for grinding machines. 1,763,626; June 10.
- Smith, George L., Boston, Mass. Radiator shield. 1,764,759; June 17.
- Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Brake system. 1,752,209; Mar. 25.
- Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Brake mechanism. 1,771,969; July 29.
- Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Brake system. 1,775,872; Sept. 16.
- Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Vehicle-brake-operating system. 1,775,873; Sept. 16.
- Smith, George M., deceased, Arlington; G. W. Perkins, administrator, Everett, Mass., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Bifocal fitting device. 1,750,731; Mar. 18.
- Smith, George M., deceased, Arlington; G. W. Perkins, administrator, Everett, Mass., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Bifocal fitting device. 1,751,425; Mar. 18.
- Smith, George R., Phoenix, Ariz. Automobile radiator cap. Des. 80,334; Jan. 14.
- Smith, George S., Pittsburgh, Pa., assignor, by mesne assignments, to Pittsburgh Screw and Bolt Corporation. Nut machine. 1,778,232; Oct. 14.
- Smith, George T., Indianapolis, Ind. Squirrel-cage rotor for induction motors. 1,762,564; June 10.
- Smith, George W., et al. (See Core, Joe, assignor.)
- Smith, George W., Neosho Falls, Kans. Tag and tag-holding device. 1,768,379; June 24.
- Smith, George W., assignor of one-half to L. Ellis, Lynn, Mass. Hinged last. 1,743,628; Jan. 14.
- Smith, Glenn A., Los Angeles, Calif. Applying solder to can caps. 1,773,323; Aug. 19.
- Smith & Griggs Manufacturing Co., The. (See Taintor, Myron F., assignor.)
- Smith, Guy W., Kalamazoo Township, Kalamazoo County, Mich. Rosin-reclaiming machine. 1,762,595; June 10.
- Smith, H. C., Manufacturing Company. (See Crum, Roland R., assignor.)
- Smith, Hannah M. (See Keen, Thomas A., assignor.)
- Smith, Hardick A., New Rochelle, assignor to Electrical Testing Laboratories, Inc., New York, N. Y. Photo-electric photometer. 1,762,748; June 10.
- Smith, Harlan M., and J. W. Farmer, Minneapolis, Minn. Automobile heating apparatus. 1,743,164; Jan. 14.
- Smith, Harold B., Worcester, Mass., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,786,784; Dec. 30.
- Smith, Harold L. (See Barr, J. M., and Smith.)
- Smith, Harold W., Port Huron, Mich. Instrument illuminator. 1,759,469; May 20.
- Smith, Harry. (See Austin, J., and Smith.)
- Smith, Harry A. (See Coufal, J. F., and Smith.)
- Smith, Harry B., Brooklyn, N. Y., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass. Box and making same. 1,745,385; Feb. 4.
- Smith, Harry B., Brooklyn, N. Y., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass. Making boxes and box-blank assemblies. 1,762,702; June 10.
- Smith, Harry B., Brooklyn, N. Y., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass. Box and making same. 1,762,703; June 10.
- Smith, Harry B., Brooklyn, N. Y., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass. Machine for making paper-box blanks and boxes. 1,764,358; June 17.
- Smith, Harry B., New York, N. Y., assignor to Hoague-Sprague Corporation, Lynn, Mass. Box blank and box. 1,762,704; June 10.
- Smith, Harry, B., New York, N. Y., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass. Working cardboard and similar material. 1,772,785; Aug. 12.
- Smith, Harry C., Company. (See Bacon, Henry C., assignor.)
- Smith, Harry C., New York, N. Y., assignor, by mesne assignments, to Autodrink Corporation, Dover, Del. Beverage-dispensing device. 1,762,126; June 3.
- Smith, Harry C., assignor to The Autodrink Corporation, New York, N. Y. Beverage dispensing and display device. 1,780,687; Nov. 4.
- Smith, Harry E. (See Walsh, J. F., Smith, and Caprio.)
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Control mechanism. 1,761,849; June 3.
- Smith, Harry F., Moraine, assignor, by mesne assignments, to The Gas Research Company, Dayton, Ohio. Gas producer. 1,769,192; July 1.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Gas production. 1,772,641; Aug. 12.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Gas producer. 1,772,642; Aug. 12.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Gas producer. 1,772,643; Aug. 12.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Method of and apparatus for generating combustible gas and coke. 1,781,766; Nov. 18.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Gas producer. 1,781,767; Nov. 18.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Domestic gas-generating system. 1,785,820; Dec. 23.
- Smith, Harry G., Mishawaka, assignor to The Studebaker Corporation, South Bend, Ind. Lock. 1,744,340; Jan. 21.
- Smith, Harry L., Cudahy, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Building tire casings. 1,762,839; June 10.
- Smith, Harry M., Alameda, Calif. Vehicle stop signal. 1,784,834; Dec. 16.
- Smith, Harvey E., assignor to Aerometric Valve Corp., Portland, Ore. Inflating means. 1,769,240; July 1.

- Smith, Helen H., St. Louis, Mo. Pattern. 1,783,004; Nov. 25.
- Smith, Henry J., Minneapolis, Minn. Machine for cutting seed potatoes. 1,758,587; May 13.
- Smith, Henry J., Philadelphia, Pa. Journal jack. 1,781,136; Nov. 11.
- Smith, Herbert A., Bethlehem, Pa., assignor to Sarco Company, Inc. Cooling-fluid control. 1,752,116; Mar. 25.
- Smith, Herman A., G. H. Thomson, Worcester, and S. B. Stafford, Oxford, assignors to Rice, Barton & Fales, Incorporated, Worcester, Mass. Gearing for textile-printing machines. 1,783,889; Dec. 2.
- Smith, Herman R., Douglaston, assignor to Raymond Concrete Pile Company, New York, N. Y. Collapsible core for concrete piles. 1,773,205; Aug. 19.
- Smith, Hinsdale, Springfield, Mass., assignor to I. M. Upercu, New York, N. Y. Convertible body. 1,752,511; Apr. 1.
- Smith, Horace L., jr., Richmond, Va. Ramp structure. 1,775,001; Sept. 2.
- Smith, Horace L., jr., assignor, by mesne assignments, to Auto Ramps Corporation, Richmond, Va. Garage ramp system. 1,782,369; Nov. 18.
- Smith, Horatio W., Stockton, assignor to Caterpillar Tractor Co., San Leandro, Calif. Radiator shield. 1,755,370; Apr. 22.
- Smith, Howard F., Houston, Tex. Tongs. 1,747,605; Feb. 18.
- Smith, Hubert J., Long Beach, Calif. Fluid-level reducer for oil wells. 1,781,824; Nov. 18.
- Smith, Hugh P., Spreyton, Tasmania, Australia. Laminated spring. 1,743,049; Jan. 7.
- Smith, Hurlburt W., et al. (See Meldrum, Alexander, assignor.)
- Smith, Ira E., Stockton, Calif. Oil burner. 1,757,023; May 6.
- Smith, Irving J., Baltimore, Md. Artificial stone and making the same. 1,782,748; Nov. 25.
- Smith, Irving R., Milwaukee, Wis., assignor to Sterling Wheelbarrow Company, West Allis, Wis. Molding flask. 1,769,078; July 1.
- Smith, Irving W., Niagara, Wis. Device for lifting goods from shelves. 1,759,524; May 20.
- Smith, Ivan L. (See Brock, F. C., and Smith.)
- Smith, Jacob A., River Forest, Ill. Coin-controlled clock. 1,755,371; Apr. 22.
- Smith, James C., San Francisco, Calif. Christmas-tree holder. 1,750,367; Mar. 11.
- Smith, James F., assignor to Switlik Manufacturing Company, Inc., Trenton, N. J. Releasable closure and collapsible seat for aircraft. 1,779,338; Oct. 21.
- Smith, James F., assignor to Switlik Manufacturing Company, Inc., Trenton, N. J. Padded upholstery, harness, and pack for aircraft chairs. 1,784,996; Dec. 16.
- Smith, James M., Orland, assignor of one-half to J. C. Hamilton, Berkeley, Calif. Machine for recovering precious metals. 1,748,562; Feb. 25.
- Smith, James N. (See Austin, W. R., and Smith.)
- Smith, James N. (See Clark, F. G., and Smith.)
- Smith, James W. (See Bilham, P. L., and Smith.)
- Smith, James W., Baltimore, Md., assignor to The Lamson & Sessions Company, Cleveland, Ohio. Tool holder. 1,768,798; July 1.
- Smith, Jay M., San Francisco, Calif. Rotary impeller mechanism. 1,769,079; July 1.
- Smith, Jay W., Algonac, Mich. Single-step boat. 1,746,912; Feb. 11.
- Smith, Jerry T., Washington, D. C. Roller skate. 1,784,761; Dec. 9.
- Smith, Jesse A. B. (See Kurowski, A. G. F., and Smith.)
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card-perforating machine. Re17,634; Apr. 1.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,743,869; Jan. 14.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,744,512; Jan. 21.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card-punching machine. 1,745,512; Feb. 4.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,749,550; Mar. 4.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,753,670; Apr. 8.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,757,442; May 6.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Manifold sheet. 1,757,598; May 6.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,761,056; June 3.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,764,900; June 17.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,765,503; June 24.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,769,718; July 1.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Carton for carbon sheets. 1,769,719; July 1.
- Smith, Jesse R., Benton, Ill. Rotary brush. 1,750,062; Mar. 11.
- Smith, John. (See Beldam, G. W., and Smith.)
- Smith, John A., Cornwall, Ontario, Canada. Back-up brake for vehicles. 1,752,618; Apr. 1.
- Smith, John A., Bellevue, Ky., assignor to The United States Electrical Tool Company, Cincinnati, Ohio. Switch. 1,760,257; May 27.
- Smith, John E., Arco, Idaho. Vehicle signal. 1,778,918; Oct. 21.
- Smith, John H., Roslindale, Mass. Sound producing dancing shoe. 1,744,513; Jan. 21.
- Smith, John H., assignor to The Wesson Sales Company, Detroit, Mich. Tap. 1,748,962; Mar. 4.
- Smith, John H., Camp Hill, Pa., Electrical heating device. 1,771,273; July 22.
- Smith, John K., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making the same. 1,744,147; Jan. 21.
- Smith, John L., and F. L. Gushard, Cedar Falls, Iowa. Rotary valve for internal-combustion engines. 1,750,368; Mar. 11.
- Smith, John R., Los Angeles, Calif. Flush-water regulator. 1,742,289; Jan. 7.
- Smith, John R., Los Angeles, Calif. Silent jet, air-venting, refill toilet bowl. 1,742,790; Jan. 7.
- Smith, John R., Massillon, Ohio. Child's bicycle. 1,772,231; Aug. 5.
- Smith, John W. (See Sawyer, G. E., and Smith.)
- Smith, John W., Cleveland, Ohio. Casting machine. 1,751,766; Mar. 25.
- Smith, John W., assignor to Budd Wheel Company, Philadelphia, Pa. Traversing-roll mounting. 1,751,108; Mar. 18.
- Smith, John W., assignor to Budd Wheel Company, Philadelphia, Pa. Power-equalizing device for vehicle brakes. 1,787,092; Dec. 30.
- Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring shackle. 1,785,685; Dec. 16.
- Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring-end connection. 1,785,686; Dec. 16.
- Smith, Joseph, Hoboken, N. Y. Lock for pay toilets. 1,767,622; June 24.
- Smith, Joseph A., and E. J. Hansen, assignors to The Cleveland Heater Company, Cleveland, Ohio. Adjustable and detachable gas burner. 1,761,594; June 3.
- Smith, Joseph B., Havana, Ill. Machine for use in removing tires from wheels and rims. 1,752,759; Apr. 1.
- Smith, Joseph B., Salt Lake City, Utah. Heater with draft control. 1,772,469; Aug. 12.
- Smith, Joseph K., Detroit, Mich., assignor to Granular Iron Company. Manufacturing steel. 1,742,487; Jan. 7.
- Smith, Joseph K., Detroit, Mich., assignor, by mesne assignments, to Granular Iron Company. Rail steel. 1,774,189; Aug. 26.
- Smith, Joseph M., San Francisco, Calif. Ore-reduction furnace. 1,747,740; Feb. 18.
- Smith, Julius W., Madison, Minn. Root-canal filler. 1,754,577; Apr. 15.
- Smith Junior Co. (See Blackmon, Charles D., assignor.)
- Smith, Layton F. (See Brecher, W. G., and Smith.)
- Smith, L. C. & Corona Typewriters Inc. (See Read, David Y., assignor.)
- Smith, Lee T., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Separation of alpha-terpineol from pine oil. 1,743,403; Jan. 14.
- Smith-Lee Company. (See Meldrum, Alexander, assignor.)
- Smith-Lee Company. (See Roehm, John G., assignor.)
- Smith, Lee T., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Separating anethol from pine oil. 1,777,704; Oct. 7.
- Smith, Leighton B., Newton, and C. E. Ruby, Cambridge, Mass. Treatment of wool. 1,781,415; Nov. 11.
- Smith, Leonard C. L. (See Respass, William R., assignor.)
- Smith, Le Roy W., St. Louis County, assignor to The Mirror Display Co., Inc., St. Louis, Mo. Advertising device. 1,786,033; Dec. 23.
- Smith, Lewis A., (See Robinson, N. H., Browning, and Smith.)
- Smith, Lonzo B., Richwood, W. Va. Resynchronizer for disk talking machines. 1,771,274; July 22.
- Smith, Louis E., Minneapolis, Minn., assignor, by mesne assignments, to Hart-Carter Company, Peoria, Ill. Process of and apparatus for milling flour. 1,784,762; Dec. 9.
- Smith, Louis P., Ithaca, N. Y. Breakdown gun. 1,755,033; Apr. 15.
- Smith, Lucius N. (See Mew, C. H., and Smith.)
- Smith, Marion F., assignor to Muller Co., Decatur, Ill. Meter-box lid. 1,784,551; Dec. 9.
- Smith, Marion F., and A. E. Wilkins, Lansing, Mich. Clutch. 1,749,516; Mar. 4.
- Smith, Mark E., assignor to Union Iron Works, Erie, Pa. Steam boiler. 1,767,020; June 34.
- Smith, Mary E. (See Smith, Edward J., assignor.)
- Smith, Mary W., Detroit, Mich. Ornamental shade. 1,769,000; July 1.

- Smith, Maurice A., assignor to McKee Glass Company, Jeannette, Pa. Forming glassware. 1,766,555; June 24.
- Smith, Mell D., De Land, Fla. Orchard-heating stove. 1,774,111; Aug. 26.
- Smith, Michael B., St. Louis, Mo. Drain opener. 1,743,065; Jan. 7.
- Smith, Milton W., Caldwell, N. J. Grasping device. 1,756,441; Apr. 29.
- Smith, Moddie K., Luling, Tex. Hub cap. 1,776,641; Sept. 23.
- Smith, Myron H., Utica, N. Y. Combined fire pump and container. Des. 82,114; Sept. 23.
- Smith, Nels J. (See Briggs, Henry E., assignor.)
- Smith, Nelson K., Los Angeles, assignor to Byron Jackson Co., West Berkeley, Calif. Well apparatus. 1,754,288; Apr. 15.
- Smith, Nelson K., Los Angeles, assignor to Byron Jackson Co., West Berkeley, Calif. Pipe tong. 1,764,124; June 17.
- Smith, Nelson K., Los Angeles, assignor to Byron Jackson Co., West Berkeley, Calif. Well tool and appliance. 1,766,556; June 24.
- Smith, Nelson K., Oxnard, assignor to Byron Jackson Co., West Berkeley, Calif. Elevator for sucker rods and the like. 1,774,675; Sept. 2.
- Smith, Nicholas A., Altadena, Calif. Hood latch. 1,775,002; Sept. 2.
- Smith, Oliver, assignor of two-thirds to E. Z. Schuler and J. E. McDonald, Oakland, Calif. Glare shield for automobiles. Des. 82,288; Oct. 14.
- Smith, Orin L., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail distributor. 1,747,140; Feb. 11.
- Smith, Orpha V., Columbus, Ohio. Pocket clasp for pool tables. 1,776,328; Sept. 23.
- Smith, Oscar, Jump River, Wis. Banking plow for snow fencing. 1,763,825; June 17.
- Smith, Oscar J., New York, N. Y. Garter. 1,777,865; Oct. 7.
- Smith, Ozro P., Passaic, N. J. Machine-printing art. 1,766,957; June 24.
- Smith, Patrick J., Laconia, N. H. Electrical heating element. 1,743,577; Jan. 14.
- Smith, Paul A. (See Barber, H. H., and Smith.)
- Smith, Paul C., Western Springs, assignor to Swift & Company, Chicago, Ill. Preparing animal meats for the market. 1,759,286; May 20.
- Smith, Paul D., Minneapolis, Minn. Clasp. 1,775,443; Sept. 9.
- Smith, Paul S., Madison, and E. G. Jegge, Montclair, assignors to Lea Fabrics Inc., Newark, N. J. Machine for production of pile fabrics. 1,784,552; Dec. 9.
- Smith, Paul W., assignor to Stockland Road Machinery Company, Minneapolis, Minn. Tractor hitch for road machines. 1,760,919; June 3.
- Smith, Perry C., Bronxville, N. Y., assignor to The Trenton Potteries Company, Trenton, N. J. Urinal. Des. 80,928; Apr. 8.
- Smith, Preston F., and Z. N. Boucher, Lewiston, Me. Photographic-roll-film holder. 1,771,450; July 29.
- Smith, R. E., et al. (See Clayton, William F., assignor.)
- Smith, R. M. (See Kirkpatrick Carroll P., assignor.)
- Smith, Ralph E., assignor to The Galion Metallic Vault Company, Galion, Ohio. Grave vault. Des. 82,855; Dec. 16.
- Smith, Ralph R., Jackson Heights, N. Y., assignor to National Carbon Company, Inc. Hand lamp. 1,759,246; May 20.
- Smith, Ralston R., Hayward, Calif. Power apparatus. 1,782,277; Nov. 18.
- Smith, Ray F. (See Baur, Walter, assignor.)
- Smith, Raymond D., Pleasantville, N. Y. Sectional barrel for reels. 1,767,710; June 24.
- Smith, Raymond D., Pleasantville, N. Y. Combined time and temperature control. 1,773,883; Aug. 26.
- Smith, Raymond D., Pleasantville, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass. Timer-mechanism. 1,762,101; June 3.
- Smith, Raymond D., Pleasantville, N. Y., assignor, by mesne assignments to Tremont Products Corporation, Boston, Mass. Electric switch. 1,767,709; June 24.
- Smith, Richard T., Akron, Ohio. Automobile license holder. 1,743,693; Jan. 14.
- Smith, Richardson Co. (See Durand, Moise H.)
- Smith, Robert, Lakewood, Ohio. Shock absorber for motor vehicles. 1,771,001; July 22.
- Smith, Robert A., assignor of one-half to B. C. Garoff, Portland, Oreg. Supporter for fishing rods. 1,761,497; June 3.
- Smith, Robert B., Atlanta, Ga. Pneumatically-actuated machine gun. 1,743,576; Jan. 14.
- Smith, Robert B., Macon, Ga. Folding chair. 1,747,329; Feb. 18.
- Smith, Robert L., Beaumont, Tex. Constructing foundations. 1,751,607; Mar. 25.
- Smith, Robert L., Brooklyn, N. Y. Bathing tub for babies. 1,766,557; June 24.
- Smith, Robert L., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Method of and mechanism for stopping rotary shaper spindles. 1,776,238; Sept. 16.
- Smith, Robert P., Riverdale Station, assignor of one half to Apex Stamping Company, Chicago, Ill. Bottle-cap-assembling machine. 1,745,589; Feb. 4.
- Smith, Robert T., Kansas City, Mo. Multiple-fuse plug. 1,767,559; June 24.
- Smith, Roland J. (See Tull, R., and Smith.)
- Smith, Roland L., Belmont, Mass. Heat-exchange apparatus. 1,758,266; May 13.
- Smith, Roscoe J., East Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Storage-battery cell and the operation thereof. 1,756,072; Apr. 29.
- Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Frosting glass articles. Re17,682; May 27.
- Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Fortifying frosted-glass articles. 1,772,965; Aug. 12.
- Smith, Russell, Gosport, Ind. Tire. Des. 81,210; May 20.
- Smith, Russell H., Brookfield, Mass. Pavement. 1,751,109; Mar. 18.
- Smith, Russell T., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Water cooler. 1,756,218; Apr. 29.
- Smith, Russell W., Newark, N. J. Method and apparatus for making book matches. 1,769,080; July 1.
- Smith, S. Morgan, Co. (See Jessop, George A., assignor.)
- Smith, Samuel H., assignor of one-half to W. B. Loudenslager, Atlantic City, N. J. Flush tank. 1,774,768; Sept. 2.
- Smith, Sanford C., Hamburg, assignor to King Refractories Company, Inc., Buffalo, N. Y. Boiler baffle. 1,772,919; Aug. 12.
- Smith Separator Company. (See Dillon, Stephen V., assignor.)
- Smith Separator Company. (See Waters, Millard F., assignor.)
- Smith, Septimus R. C., Oneroa, Auckland, New Zealand. Mechanical loading shovel. 1,746,874; Feb. 11.
- Smith, Shannon, Birmingham, Ala. Treatment of bituminous binder material. 1,771,017; July 22.
- Smith, Sheffield, North Providence, R. I. Shock absorber. 1,745,033; Jan. 28.
- Smith, Sheldon W., and E. S. Smith, Springville, Iowa. Automatic weigher. 1,755,154; Apr. 15.
- Smith, Sidney B. (See Franklin, C. S., Witt, Wright, and Smith.)
- Smith, Sidney M., assignor to Empire Printing & Box Company, Atlanta, Ga. Box. 1,763,072; June 10.
- Smith, Smith, Booths Corner, Pa. Bottle holder. 1,742,619; Jan. 7.
- Smith, Stanley C., London, England. Fabric and the treatment of subdivided materials. 1,752,216; Mar. 25.
- Smith, Stanley C., London, England. Electrolytic recovery of metals. 1,754,125; Apr. 8.
- Smith, Stanley C., London, England. Treatment of nickeliferous material. 1,770,866; July 15.
- Smith, Stephen, San Francisco, Calif. Flag holder. 1,755,372; Apr. 22.
- Smith, Steve E., et al. (See Stephens, Erastus C., assignor.)
- Smith, Stewart C., assignor of one-half to J. H. Greene, Raytown, Mo. Radiator-repair stand. 1,769,653; July 1.
- Smith, T. L., Company. (See Rybeck, Adolph W., assignor.)
- Smith, Temple C., Westfield, N. J., assignor to American Telephone & Telegraph Company. Apparatus for spraying liquids. 1,743,245; Jan. 14.
- Smith, Thomas. (See Michell, A. G. M., Postlethwaite, and Smith.)
- Smith, Thomas Q., Booneville, Miss. Safety device for grade crossings. 1,777,234; Sept. 30.
- Smith, Ulysses J., Cleveland, Ohio. Disinfecting apparatus. 1,746,745; Feb. 11.
- Smith, Vern, Winner, S. Dak. Folding metal golf smoother or wiper. 1,777,809; Oct. 7.
- Smith, Vernon A., Berkeley and C. Backman, Oakland, Calif. Device for shaping battery separators. 1,751,892; Mar. 25.
- Smith, Wallace D., New Britain, Conn. Golf-tee retriever. 1,787,400; Dec. 30.
- Smith, Wallace W. (See Wilson, H. R., and Smith.)
- Smith, Walter. (See Clench, C., and Smith.)
- Smith, Walter, Harrow-on-the-Hill, England. Feed-water regulator. 1,785,149; Dec. 16.
- Smith, Walter, Malaga, Calif. Stemmer-feeder tongs. 1,776,956; Sept. 30.
- Smith, Walter, West Hartlepool, assignor to The Expanded Metal Company, Limited, London, England. Coating, impregnating, or alloying metals and other materials with aluminum and aluminum alloys. 1,761,850; June 3.
- Smith, Walter A., assignor to Stover Manufacturing & Engine Co., Freeport, Ill. Combined mop and brush holder. 1,752,512; Apr. 1.
- Smith, Walter B., W. M. Hammons, and J. B. Mullens, Corbin, Ky. Safety appliance for air-brake systems. 1,764,359; June 17.
- Smith, Walter C., Moylan, assignor to Primos Lead Company, Philadelphia, Pa. Reclaiming battery-plate material. 1,752,356; Apr. 1.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,544; Feb. 18.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,545; Feb. 18.

- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,546; Feb. 18.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,547; Feb. 18.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,548; Feb. 18.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,549; Feb. 18.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,550; Feb. 18.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 80,551; Feb. 18.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,076; Apr. 29.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,077; Apr. 29.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,113; May 6.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,114; May 6.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,115; May 6.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,116; May 6.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,162; May 13.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,163; May 13.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,164; May 13.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,165; May 13.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,412; June 17.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,413; June 17.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,414; June 17.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 81,415; June 17.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 81,416; June 17.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,417; June 17.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 81,418; June 17.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,504; July 1.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,505; July 1.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,559; July 8.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,600; July 15.
- Smith, Walter E., Warwick Downs, R. I., assignor to C. G. King & Co., Providence, R. I. Shoe buckle. Des. 81,670; July 22.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 81,945; Sept. 2.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,399; Oct. 28.
- Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 82,456; Nov. 4.
- Smith, Walter E., Warwick Downs, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 82,527; Nov. 11.
- Smith, Walter E., Providence, R. I., assignor to Kenney Manufacturing Company, Cranston, R. I. Center ornament for drapery rods or the like. Des. 80,699; Mar. 11.
- Smith, Walter E., Providence, R. I., assignor to Kenney Manufacturing Company, Cranston, R. I. End ornament for drapery rods or the like. Des. 80,700; Mar. 11.
- Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. Center ornament for drapery rods or the like. Des. 81,211; May 20.
- Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. End ornament for drapery rods or the like. Des. 81,212; May 20.
- Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. Center ornament for drapery rods or the like. Des. 81,353; June 10.
- Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. End ornament for drapery rods or the like. Des. 81,354; June 10.
- Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. Center ornament for drapery rods or the like. Des. 81,814; Aug. 12.
- Smith, Walter E., Daytona Beach, Fla. Insect repeller. 1,780,407; Nov. 4.
- Smith, Walter E., Daytona Beach, Fla. Insect repeller. 1,780,408; Nov. 4.
- Smith, Walter F. (See Graves, B. P., and Smith.)
- Smith, Walter F., Kingsport, Tenn., assignor, by mesne assignments, to Kingsport Press, Inc. Nontarnishing metallic ink. 1,752,462; Apr. 1.
- Smith, Walter F., jr., New York, and T. H. Crabtree, New Brighton, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice screen. 1,756,705; Apr. 29.
- Smith, Walter G. E., Portland, Oreg. Pulp strainer. 1,747,684; Feb. 18.
- Smith, Walter H., Toronto, Ontario, assignor to Business Systems Limited, Toronto, Canada. Zigzag-pile-forming machine. 1,756,392; Apr. 29.
- Smith, Walter H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,764,420; June 17.
- Smith, Walter S., Columbus, Ohio. Scale. 1,772,294; Aug. 5.
- Smith, Walter S., Columbus, Ohio. Weighing mechanism. 1,774,296; Aug. 26.
- Smith, Walton S., Elizabeth, N. J. Making tin chlorides. 1,777,132; Sept. 30.
- Smith, Warren R., Ridgewood, assignor to Chemical Equipment Manufacturing Company, Paterson, N. J. Apparatus for applying soft-metal linings to hard-metal tubes. 1,748,851; Feb. 25.
- Smith, Wilbert L., et al. (See Meldrum, Alexander, assignor.)
- Smith, Willard D., Maplewood, Mo. Viscosimeter and display device. 1,758,677; May 13.
- Smith, Wellington J., Cleveland, Ohio. Ozonizing apparatus. Des. 81,815; Aug. 12.
- Smith, Wellington J., Cleveland, Ohio. Ozonizing apparatus. Des. 82,764; Dec. 9.
- Smith and Wesson, Inc. (See Wesson, Harold, assignor.)
- Smith, William, Yonkers, N. Y. Temperature detector. 1,752,117; Mar. 25.
- Smith, William, Detroit, Mich. Plant-pot support. 1,780,279; Nov. 4.
- Smith, William A. (See Frankenberg, Julius, assignor.)
- Smith, William A., jr. (See Smith, William A., sr., and W. A., jr.)
- Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism for rock drills. 1,770,676; July 15.
- Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,774,571; Sept. 2.
- Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,774,572; Sept. 2.
- Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism for rock drills. 1,776,273; Sept. 23.
- Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,777,334; Oct. 7.
- Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,777,335; Oct. 7.
- Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,777,336; Oct. 7.
- Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism for rock drills. 1,777,775; Oct. 7.
- Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,782,102; Nov. 18.
- Smith, William A., sr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for rock drills. 1,774,570; Sept. 2.
- Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for percussive motors. 1,786,135; Dec. 23.
- Smith, William A., sr., and J. C. Curtis, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Rock-drill-blowing device. 1,776,604; Sept. 23.
- Smith, William A., sr., Easton, Pa., J. I. Hulshizer, Stewartsville, and G. H. Fuehrer, Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Percussive tool. 1,779,645; Oct. 28.
- Smith, William A., sr., Easton, Pa., and J. I. Hulshizer, Stewartsville, assignors to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for percussive motors. 1,786,175; Dec. 23.

- Smith, William A., sr., Easton, Pa., and W. A. Smith, jr., Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Pile-driver attachment for rock drills. 1,776,521; Sept. 23.
- Smith, William A., sr., Easton, Pa., and W. A. Smith, jr., Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism for rock drills. 1,780,725; Nov. 4.
- Smith, William B., Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Display packer's container. 1,748,852; Feb. 25.
- Smith, William C. (See Karbowski, V., and Smith.)
- Smith, William E., S. R. Hemphill, and J. J. Sullivan, Seattle, Wash. Thermostatically-controlled mechanism. 1,779,514; Oct. 28.
- Smith, William F., et al. (See Olson, Samuel, assignor.)
- Smith, William H., Detroit, Mich. Method of and apparatus for reducing metallic oxides without melting. 1,759,173; May 20.
- Smith, William H., Detroit, Mich. Forming hydrocarbon compounds. 1,775,700; Sept. 16.
- Smith, William H., Detroit, Mich. Metallic mold and forming the same. 1,775,701; Sept. 16.
- Smith, William H., Detroit, Mich. Combined ore-reducing and hydrocarbon-refining apparatus. 1,785,427; Dec. 16.
- Smith, William H., Detroit, Mich. Producing ore and converting hydrocarbons. 1,785,428; Dec. 16.
- Smith, William H., East Molesey, England. Wall structure. 1,779,755; Oct. 28.
- Smith, William H., Mobile, Ala. Rail joint. 1,768,009; June 24.
- Smith, William H., Norristown, assignor, by mesne assignments, to Electric Service Supplies Company, Philadelphia, Pa. Apparatus for finishing insulator shells. 1,755,308; Apr. 22.
- Smith, William H., assignor to General Reduction Corporation, Detroit, Mich. Uniting of iron with other metals and elements. 1,775,358; Sept. 9.
- Smith, William I. (See Levy, M. M., and Smith.)
- Smith, William J., and H. F. Braun, Lakewood, Ohio, assignors to The Cleveland Steel Products Corporation, Cleveland, Ohio. Universal joint. 1,778,170; Oct. 14.
- Smith, William L., Brandywine Summit, assignor to The Viscose Company, Marcus Hook, Pa. Apparatus for preparing viscous mixtures. 1,782,370; Nov. 18.
- Smith, William O. (See McDonald, A., and Smith.)
- Smith, William O., Cuyahoga Falls, Ohio. Hay loader. 1,749,785; Mar. 11.
- Smith, William O., Wilksburg, assignor of one-half to J. C. Young, Pittsburgh, Pa. Bearing. 1,755,275; Apr. 22.
- Smith, William R. (See Spencer, H. B., and Smith.)
- Smith, William S. (See Gericich, F. A., and Smith.)
- Smith, William S., Port Moody, British Columbia, Canada. Preparatory process in the manufacture of resawn shake shingles. 1,763,269; June 10.
- Smith, William T., Muncie, Ind. Bottle receptacle. 1,752,815; Apr. 1.
- Smith, William W., Buffalo, N. Y. Casting readily-oxidizable metals. 1,761,498; June 3.
- Smith, Willoughby S., Benchams, Newton Poppleford, and H. J. Garnett, Sevenoaks, England. Magnetic alloy. 1,746,500; Feb. 11.
- Smith, Willoughby S., Newton Poppleford and H. J. Garnett, Sevenoaks, England. Magnetic alloy. 1,748,311; Feb. 25.
- Smith, Willoughby S., Newton Poppleford, and A. D. Shuter, Harrow-on-the-Hill, England. Manufacture of telegraph and telephone cables. 1,760,012; May 27.
- Smith, Wilson H., assignor to The Slaymaker Lock Company, Lancaster, Pa. Shackle lock. Des. 82,115; Sept. 23.
- Smith & Winchester Mfg. Co., The. (See Oman, Carl W., assignor.)
- Smith, Winfield D., Deal, N. J., assignor to L. G. Sylvester, Scranton, Pa. Electrical pickup. 1,783,265; Dec. 2.
- Smith, Woodruff R. (See Hammer, F. L., Smith, and Eshorn.)
- Smithco Friction Lift Proprietary Limited. (See Smith, Bruce A., assignor.)
- Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)
- Smithers, Vernon L., Akron, Ohio. Tire and marking the same. 1,784,118; Dec. 9.
- Smithson, Arthur, Minneapolis, Minn. Nailless horseshoe. 1,761,241; June 3.
- Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Manipulator. 1,783,815; Dec. 2.
- Smitt, Frank, assignor of six per cent to N. Krupinski, Port Washington, N. Y. Automatic railway safety signal. 1,751,845; Mar. 25.
- Smogrovics, Eugen, Pezinok, Czechoslovakia. Shock-absorbing shackled suspension for car springs. 1,759,633; May 20.
- Smokador Manufacturing Co. Inc. (See Baylis, Robert N., assignor.)
- Smokador Manufacturing Co. (See Fleming, Robert G., assignor.)
- Smokes, Stanley F. (See Simola, E., and Smokes.)
- Smolensky, Michael, Cleveland, Ohio. Valve. 1,761,595; June 3.
- Smoot, Charles H., Maplewood, N. J. Centralized control for gas producers. 1,755,567; Apr. 22.
- Smoot, Charles H., Maplewood, N. J. Regulator. 1,772,403; Aug. 5.
- Smoot, Charles H., Maplewood, N. J. Regulator. 1,772,920; Aug. 12.
- Smoot, Charles H., Maplewood, N. J. Regulator. 1,782,832; Nov. 25.
- Smoot, Daisy E., Apopka, Fla. Animal bath. 1,760,017; May 27.
- Smoot Engineering Corporation. (See Bowen, William S., assignor.)
- Smoot-Holman Co. (See Hunt, Howard M., assignor.)
- Smoot, Jesse C., Lincolnton, N. C., now by judicial change of name J. C. Radnor. Power transmission. 1,785,051; Dec. 16.
- Smoot, Lon C., Dallas, Tex. Wheel-mounted adjustable frame crutch. 1,757,784; May 6.
- Smrdel, Joseph, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Percussive tool. 1,774,905; Sept. 2.
- Smulski, Theodore J., assignor to The Mileometer Company, Chicago, Ill. Road indicator. 1,753,758; Apr. 8.
- Smulski, Theodore J., Chicago, Ill., assignor to The Anderson Co., Gary, Ind. Timer. 1,757,342; May 6.
- Smulski, Theodore J., Lake Zurich, Ill., assignor to The Anderson Co., Gary Ind. Can-capping mechanism. 1,767,818; June 24.
- Smygel, Joseph M., St. Joseph, Mo. Power take-off. 1,753,727; Apr. 8.
- Smyth Manufacturing Company. (See Clark, E. W., and Schramm, assignors.)
- Smyth Manufacturing Company, The. (See Schramm, C., and Clark, assignors.)
- Smyth, Samuel J., Hawthorne, Calif. Closure cap. 1,755,522; Apr. 22.
- Smyth, William H., Berkeley, Calif. Cushion-tire track layer tractor. 1,763,826; June 17.
- Smythe, Albert Q. (See Smythe, Frank E. and A. Q.)
- Smythe, Edwin H., Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Sound reproducer. 1,759,328; May 20.
- Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,778,871; Oct. 21.
- Smythe, Frank E. and A. Q., San Diego, assignors of one-half to A. and M. Atleson, Los Angeles, Calif. Lever lock. 1,752,463; Apr. 1.
- Smythe, Horace E., Pittsburgh, Pa., assignor, by mesne assignments, to Open Hearth Combustion Company. Furnace. 1,769,863; July 1.
- Smythe, William R., Pasadena, Calif., assignor to California Institute of Technology. High-voltage voltmeter. 1,744,990; Jan. 28.
- Snaman, William E., Pittsburgh, Pa. Merchandise-cover container. 1,750,821; Mar. 18.
- Snap-On Wrench Company. (See Klein, Walter F., assignor.)
- Snap-On Wrench Company. (See Seidemmann, William A., assignor.)
- Snapp, Le Roy F., Brooklyn, N. Y. Swimming appliance. 1,745,280; Jan. 28.
- Snarek, Jack, et al. (See Schafran, Isaac, assignor.)
- Snarry, John W. (See Orcutt, A. H., and Snarry.)
- Snarry, John W., Handsworth, Birmingham, assignor to The Gear Grinding Company Limited, Birmingham, England. Metal cutting and grinding machine. 1,753,096; Apr. 1.
- Snarry, John W., assignor to The Gear Grinding Company Limited, Birmingham, England. Trimming mechanism for grinding wheels. 1,764,901; June 17.
- Snarely, Carl G., Lewisburg, Pa. Body-protecting shield. 1,786,268; Dec. 23.
- Snarely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,758,179; May 13.
- Snead & Company. (See Macdonald, Angus S., assignor.)
- Snead & Company. (See Macdonald, A. S., Waite, and Huggins, assignors.)
- Snedeker, James W., Adrian, Mich., assignor to Page Steel and Wire Company. Manufacture of wire fencing. 1,742,620; Jan. 7.
- Snedeker, James W., Adrian, Mich., assignor to Page Steel & Wire Company. Chain hoist. 1,764,421; June 17.
- Snediker, Morton O., assignor to Powers Regulator Company, Chicago, Ill. Heat regulator. 1,748,369; Feb. 25.
- Snediker, Morton O., assignor to Powers Regulator Company, Chicago, Ill. Retarded gradual-acting differential relay. 1,771,821; July 29.
- Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake. 1,746,057; Feb. 4.
- Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake linkage. 1,746,058; Feb. 4.
- Sneed, John, assignor to Steeldraulic Brake Corporation, Detroit, Mich. Flexible conduit. 1,746,719; Feb. 11.
- Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake structure. 1,758,066; May 13.
- Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake hook-up. 1,770,816; July 15.

- Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake mechanism. 1,776,274; Sept. 23.
- Sneed, John, assignor to Steeldraulic Brake Corporation, Detroit, Mich. Four-wheel brake. 1,776,957; Sept. 30.
- Sneed, John, Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake assembly. 1,756,312; Apr. 29.
- Sneed, John, Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Braking device. 1,776,934; Sept. 30.
- Sneed, John, Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake structure. 1,784,395; Dec. 9.
- Sneierson, Samuel L., Boston, and J. L. Hildebrand, Lynn, assignors to National Mfg. Co., Boston, Mass. Electric switch. 1,782,516; Nov. 25.
- Snell, Foster D., Brooklyn, N. Y. Composition blackboard and making same. 1,756,393; Apr. 29.
- Snell, Foster D., Brooklyn, N. Y. Hair waving. 1,776,820; Sept. 30.
- Snell, Foster D., Brooklyn, N. Y. Hair waving. 1,780,449; Nov. 4.
- Snell, Harry S., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding compound and its production. 1,752,580; Apr. 1.
- Snell, James C., Oak Park, assignor to Premier Electric Company, Chicago, Ill. Electrical condenser. 1,743,870; Jan. 14.
- Snell, Lyle K., Detroit, Mich. Brake mechanism. 1,777,810; Oct. 7.
- Snell, Samuel A., assignor to F. C. Matthaei, Detroit, Mich. Heater. 1,772,295; Aug. 5.
- Snelling, Walter O. (See Davis, Tenney L., assignor.)
- Snelling, Walter O., Allentown, Pa. Current-rectifying device. 1,742,324; Jan. 7.
- Snelling, Walter O., Allentown, Pa. Current-rectifying device. 1,745,723; Feb. 4.
- Snelling, Walter O., Allentown, Pa. Fur skin. 1,745,724; Feb. 4.
- Snelling, Walter O., Allentown, Pa. Protecting trees. 1,745,725; Feb. 4.
- Snelling, Walter O., Allentown, Pa. Detector element. 1,766,461; June 24.
- Snelling, Walter O., Allentown, Pa. Current-rectifying device. 1,766,462; June 24.
- Snelling, Walter O., Allentown, Pa. Metallurgy of tin. 1,766,463; June 24.
- Snelling, Walter O., Allentown, Pa. Current-rectifying device. 1,766,464; June 24.
- Snelling, Walter O., Allentown, Pa. Playing cards. 1,766,465; June 24.
- Snelling, Walter O., Allentown, Pa. Balance weight. 1,766,466; June 24.
- Snelling, Walter O., Allentown, Pa. Current-rectifying device. 1,766,467; June 24.
- Snelling, Walter O., Allentown, and J. A. Wyler, South Whitehall Township, Lehigh County, Pa., assignors to Trojan Powder Company, New York, N. Y. Ammonium-nitrate explosive and making it. 1,749,613; Mar. 4.
- Snellings, Walter O., Kingsville, Tex. Razor-strop dressing. 1,754,406; Apr. 15.
- Snider, Joseph, Vancouver, British Columbia, Canada. Domestic continuous ironing device. 1,750,908; Mar. 18.
- Snip, John G., Lemar, Mo. Automatic stop signal. 1,768,010; June 24.
- Snodgrass, Leslie E., Dayton, Ohio. Baseball game apparatus. 1,772,116; Aug. 5.
- Snoko Inc. (See Goldstein, Adolph O., assignor.)
- Snook, Amos U., Fillmore, Ill. Box fastener. 1,774,850; Sept. 2.
- Snook, Clarence G., assignor to The Troy Sunshade Company, Troy, Ohio. Article of furniture. 1,747,493; Feb. 18.
- Snook, Earnest R., Davenport, Iowa. Shock absorber. 1,744,991; Jan. 28.
- Snook, Earnest R., Davenport, Iowa, assignor to Stark-weather-Snook Corporation, Moline, Ill. Shock absorber. 1,745,281; Jan. 28.
- Snook, Homer C., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Eliminating noise in machinery. 1,782,912; Nov. 25.
- Snover, Charles F., Bay City, Mich. Game. 1,765,625; June 24.
- Snow, Arthur E., assignor, by mesne assignments, to The Daly Manufacturing Company, Cincinnati, Ohio. Press. 1,787,125; Dec. 30.
- Snow, Barton S., Wheaton, assignor to T. W. Snow Construction Co., Chicago, Ill. Chute for coaling stations. 1,744,015; Jan. 14.
- Snow, Charles S. H., Croydon, England. Emulsifier, mixer, and the like. 1,771,321; July 22.
- Snow, Chester A., Jr., Washington, D. C. Determining drift of aircraft. 1,780,369; Nov. 4.
- Snow, Chester R., Portland, Oreg. Heel grip. 1,745,726; Feb. 4.
- Snow, Frederick O., Jr., Winchester, assignor to Mead-Morrison Manufacturing Company, East Boston, Mass. Track-laying tractor. 1,772,761; Aug. 12.
- Snow, Harold A., and W. D. Loughlin, assignors to Radio Frequency Laboratories, Inc., Boonton, N. J. Input collector system for electrical amplifiers. 1,780,987; Nov. 11.
- Snow, Isaac, Lawrence, assignor to Draper Corporation, Hopedale, Mass. Leno or cross weaving loom. 1,757,947; May 6.
- Snow, Joseph D., Bedford, Ind. Lawn-mower sharpener. 1,749,306; Mar. 4.
- Snow, Karl F., Brecksville, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Barrel-conveying tray. 1,784,615; Dec. 9.
- Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaners. 1,745,327; Jan. 28.
- Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,756,394; Apr. 29.
- Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,762,312; June 10.
- Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,766,958; June 24.
- Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,766,959; June 24.
- Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,775,503; Sept. 9.
- Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,785,821; Dec. 23.
- Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,765,311; June 17.
- Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,767,408; June 24.
- Snow, Norman L., and C. L. Howse, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,759,870; May 27.
- Snow, Norman L., and W. P. Thomas, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,762,313; June 10.
- Snow, Norman L., and A. W. Honywill, Jr., assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,766,231; June 24.
- Snow, Norman L., and S. F. Cox, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,776,399; Sept. 23.
- Snow, T. W., Construction Co. (See Snow, Barton S., assignor.)
- Snowden, Joseph O. (See Kirkner, J. W., and Snowden.)
- Snyder, Almond H., Lancaster, assignor to Gould Storage Battery Company, Inc., New York, N. Y. Storage-battery container. 1,778,171; Oct. 14.
- Snyder, Andrew J., Des Moines, Iowa. Floor waxer. 1,767,322; June 24.
- Snyder, Arthur N. (See Snyder, John G. and A. N.)
- Snyder & Black, Inc. (See Ford, John L., assignor.)
- Snyder & Black, Incorporated. (See Scherotto, John J., assignor.)
- Snyder, Carrie M., Plainfield, N. J. Mailing sheet and envelope. 1,762,084; June 3.
- Snyder, Clarence E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making rubber tubes. 1,763,106; June 10.
- Snyder, Clifford L. (See Seeley, F. L., and Snyder.)
- Snyder, Clifford L. (See Tucker, M. D., and Snyder.)
- Snyder, Clifford L., Detroit, Mich., assignor to The Evans Auto Loading Co. Inc. Shipping device. 1,760,089; May 27.
- Snyder, Clifford L., assignor to The Evans Auto Loading Co. Inc., Detroit, Mich. Tie-bar hanger. 1,765,107; June 17.
- Snyder, Clifford L., assignor to The Evans Auto Loading Co. Inc., Detroit, Mich. Decking structure. 1,774,297; Aug. 26.
- Snyder, Clifford L., Detroit, Mich., assignor to The Evans Auto Loading Co., Inc. Shipping device. 1,776,935; Sept. 30.
- Snyder, Clifford L., Detroit, Mich., assignor to The Evans Auto Loading Co. Inc. Shipping device. 1,780,317; Nov. 4.
- Snyder, Clifford L., Detroit, Mich., assignor to The Evans Auto Loading Co. Inc. Shipping device. 1,780,318; Nov. 4.
- Snyder, Clifford L., and E. S. Evans, Detroit, Mich., assignors to The Evans Auto Loading Company, Inc. Vehicle hold down. 1,769,277; July 1.
- Snyder, Dell C., Stony Ridge, Ohio. Railway switch. 1,742,974; Jan. 7.
- Snyder Document Protection Co. (See Snyder, Theodore J., assignor.)
- Snyder, Edgar W., assignor to L. H. Gilmer Co., Philadelphia, Pa. Power-transmission belt. 1,749,046; Mar. 4.
- Snyder, Edward H., and W. D. Green, Bauer, Utah, assignors to Combined Metals Reduction Company, Stockton, Utah. Concentration of oxidized ores of lead, silver, and copper. 1,762,364; June 10.
- Snyder, Ernest G. (See Blagg, Leo T., assignor.)
- Snyder, Francis H., and E. D. Newkirk, Syracuse, N. Y. Process of and apparatus for making ammonia. 1,760,013; May 27.
- Snyder, Francis H., and E. D. Newkirk, Syracuse, N. Y. Preparing ammonia factor gases. 1,760,014; May 27.

- Snyder, Frank E., Santa Ana, Calif. Adjustable tire-vulcanizing molds. 1,772,044; Aug. 12.
- Snyder, Frank L., assignor to The White Motor Company, Cleveland, Ohio. Boring bar. 1,761,804; June 3.
- Snyder, Frank L., assignor to The White Motor Company, Cleveland, Ohio. Form-rolling machine. 1,782,483; Nov. 25.
- Snyder, Frederick T., New Canaan, Conn. Process of and apparatus for smelting ores and recovering by-products therefrom. 1,755,845; Apr. 22.
- Snyder, Frederick T., New Canaan, Conn. Distilling material and cracking oil. 1,781,934; Nov. 18.
- Snyder, Frederick T., New Canaan, Conn. Production of hydrogen. 1,781,935; Nov. 18.
- Snyder, Frederick T., New Canaan, Conn. Apparatus for distilling solid carbonizable materials. 1,785,565; Dec. 16.
- Snyder, George E., Pomona, Calif. Headlight mounting. 1,781,137; Nov. 11.
- Snyder, George H., Brooklyn, assignor to International Cigar Machinery Company, New York, N. Y. Cigar machine. 1,785,822; Dec. 23.
- Snyder, Helen M. (See Bartlett, Alexandra T., assignor.)
- Snyder, Henry E. (See Wilson, Ford M., assignor.)
- Snyder, Herbert W., Lima, Ohio. Try-cock construction. 1,745,125; Jan. 28.
- Snyder, Jacob R., Cleveland, Ohio. Shock absorber. 1,754,488; Apr. 15.
- Snyder, Jacob R., Cleveland, Ohio. Shock absorber. 1,758,090; May 13.
- Snyder, Joe, Iroquois, S. Dak. Cattle-treating apparatus. 1,767,560; June 24.
- Snyder, John F. (See Palm, S. M., and Snyder.)
- Snyder, John G. and A. N., New York, N. Y. Rail fastening. 1,760,723; May 27.
- Snyder, John P. (See Copley, D. M., and Snyder.)
- Snyder, Jonathan L. (See Leacock, W. H., and Snyder.)
- Snyder, Joseph W., Fargo, N. Dak. Pole-changer transmitter. 1,743,494; Jan. 14.
- Snyder, Louis F., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Loading machine. 1,754,699; Apr. 15.
- Snyder, Melvin J. (See Burright, C. L., and Snyder.)
- Snyder, Robert W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rimming press. 1,769,720; July 1.
- Snyder, Roy D. (See Crawford, R. B. P., and Snyder.)
- Snyder, Samuel E., Brooklyn, N. Y. Window-shade support. 1,777,811; Oct. 7.
- Snyder, Samuel E., Brooklyn, N. Y. Window shade. 1,778,816; Oct. 21.
- Snyder, Theodore J., Chicago, Ill., assignor to Snyder Document Protection Co. Document paper. Re17,708; June 24.
- Snyder, Vern C., Portland, Oreg. Water-cooled comminuted-fuel burner. 1,758,478; May 13.
- Snyder, W. Earl, Norwood, assignor to The Edna Brass Company, Cincinnati, Ohio. Terminal valve. 1,775,625; Sept. 9.
- Snyder, William J., Fort Leavenworth, Kans. Ink-removing device. 1,772,470; Aug. 12.
- Snyder, William J., Fort Leavenworth, Kans. Photographic process printing machine. 1,784,206; Dec. 9.
- Snyder, William T., Sodus, N. Y. Gravity hinge. 1,768,161; June 24.
- Soabar Company. (See Henry, G. W., jr., and Thackeray, assignors.)
- Soans, Cyril A., Oak Park, Ill., assignor to Simmons Company. Tufted mattress and making the same. 1,771,822; July 29.
- Sobczak, John. (See Werner, P. J., and Sobczak.)
- Sobecki, Anthony J., South Bend, Ind. Fish lure. 1,752,706; Apr. 1.
- Sobek, Emanuel, Vienna, Austria. Discharge funnel for kilns. 1,778,281; Oct. 14.
- Sobolew, Wilho, Viipuri, Finland. Automatic bailer. 1,761,645; June 3.
- Soc. An. Officine Di Villar Perosa. (See Boella, Giovanni, assignor.)
- Socha, John, Syracuse, N. Y. Window fastener. 1,746,291; Feb. 11.
- Sochor, Hans, Zurich-Hongg, Switzerland. Foot-arch support. 1,755,568; Apr. 22.
- Sociedad Anonima Era. (See Lopez-Mantaras, Lucio, assignor.)
- Società Anonima C. E. A. T. Conduttori Elettrici ed Affini. (See Ferro, Ernesto, assignor.)
- Società Anonima Piaggio & C. (See Pegna, Giovanni, assignor.)
- Società Anonima Radio. (See Gentilini, Augusto, assignor.)
- Società Brevetti Cicali, Anonima. (See Cicali, Giovanni, assignor.)
- Società Invenzioni Brevetti Anonima Torino. (See Ferretti, Antonio, assignor.)
- Società Invenzioni Brevetti Anonima-Torino. (See Severini, Ostilio, assignor.)
- Società Italiana Ernesto Breda. (See Scaglia, Gregorio, assignor.)
- Società Italiana Ernesto Breda Per Costruzioni Meccaniche. (See Pallavicino, Cesare, assignor.)
- Società Italiana Ernesto Breda Per Costruzioni Meccaniche. (See Soncini, Cesare, assignor.)
- Società Italiana Pirelli. (See Mrach, Adolfo, assignor.)
- Società Italiana Pirelli. (See Pestalozza, Ugo, assignor.)
- Société Acieries de Gennevilliers. (See Bunet, Paul E., assignor.)
- Société Anonyme Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camarque. (See Hulín, Paul L., assignor.)
- Société Anonyme Compagnie Internationale des Pieux Armés Frankignoul. (See Frankignoul, Edward, assignor.)
- Société Anonyme de Commentry, Fourchambault & Decazeville. (See Chevenard, Pierre, assignor.)
- Société Anonyme de Conservation Industrielle du Poisson. (See Reel, Johannes E. W., assignor.)
- Société Anonyme d'Eclairage Et D'Applications Electriques. (See Blaringhem, Auguste J. A., assignor.)
- Société Anonyme des Accumulateurs Monoplaque. (See Pautou, Paul, assignor.)
- Société Anonyme des Adeliers de Secheron. (See Wörtmann, Franz, assignor.)
- Société Anonyme des Anciens Etablissements Braunstein Freres. (See Braunstein, Roger, assignor.)
- Société Anonyme des Anciens Etablissements Hotchkiss & Cie. (See Delevoye, Robert E. C., assignor.)
- Société Anonyme Des Anciens Etablissements Hotchkiss & Cie. (See Philiponeau, Edmond, assignor.)
- Société Anonyme des Anciens Etablissements Panhard & Levassor. (See Schaeffer, Charles, assignor.)
- Société Anonyme des Anciens Etablissements Hotchkiss & Compagnie. (See de Boigne, Maurice, assignor.)
- Société Anonyme des Ateliers d'Aviation Louis Breguet. (See Bréguet, Louis, assignor.)
- Société Anonyme des Brevets Compin. (See Compin, Octave C., assignor.)
- Société Anonyme des Distilleries de Deux-Sevres. (See Ricard, Eloi, assignor.)
- Société Anonyme d'Escaut & Meuse. (See Lenté, Jacques, assignor.)
- Société Anonyme des Etablissements Luteraan. (See Caillaud, René F. H., assignor.)
- Société Anonyme des Etablissements Téalémit. (See Piquerez, Emile, assignor.)
- Société Anonyme des Hauts-Fourneaux et Fonderies de Pont-a-Mousson. (See Mathieu, Léon L., assignor.)
- Société Anonyme des Laboratoires Robert & Carrière. (See Varinnois, Marcel, assignor.)
- Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Arault, J., and Deschamps, assignors.)
- Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Boudin, Louis, assignor.)
- Société Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain. (See Long, Bernard, assignor.)
- Société Anonyme des Ondes Dirigees. (See Brard, Evenor, assignor.)
- Société Anonyme des Usines de Rosieres. (See Bachon, Roger, assignor.)
- Société Anonyme des Usines Renault. (See Saives, Leon, assignor.)
- Société Anonyme d'Ougrée Marikaye. (See Beaujean, Camille, assignor.)
- Société Anonyme Du Materiel Simplific. (See Guillard, Albert P. G., assignor.)
- Société Anonyme Française Dite: "Bricard Ancienne Maison Sterlin." (See Petit, Raymond, assignor.)
- Société Anonyme Française dite: Société Nouvelle de Constructions Téléphoniques Brevets Tchoubritch-Derval. (See Tchoubritch, Michel, assignor.)
- Société Anonyme Française dite: Société Technique D'Optique et de Photographie (S. T. O. P.). (See Chrétien, Henri, assignor.)
- Société Anonyme: Graissage "Alcyl." (See Koehler, Marcel, assignor.)
- Société Anonyme Jean Patou. (See Huret, Georges, assignor.)
- Société Anonyme "La Carbonite." (See Hennebutte, H., and Goutal, assignors.)
- Société Anonyme "La Combustion" Rationnelle. (See Stein, Charles M., assignor.)
- Société Anonyme Le Carbone. (See Causse, Fernand P., assignor.)
- Société Anonyme le Carbone. (See Portail, Fernand C. F., assignor.)
- Société Anonyme Les Constructeurs Associes de Paris. (See Vannier, René, assignor.)
- Société Anonyme pour l'Exploitation des Procédés Maurice Leblanc-Vickers. (See Follain, Raoul F., assignor.)
- Société Anonyme Pour l'Exploitation des Procédés Maurice Leblanc-Vickers. (See Leblanc, Charles L. A. M., assignor.)
- Société Anonyme Pour Tous Appareillages Mecaniques. (See Porte, René, assignor.)
- Société Anonyme: Société des Phares et Equipments Electriques. (See Delaux, Paul, assignor.)
- "Société Anonyme Solex". (See Goudard, Maurice, assignor.)
- Société à Responsabilité Limitée "Etablissements Rotatifs". (See Séry, Claude, assignor.)
- Société Barbou & Cie. (See Barbou, Pierre A., assignor.)
- Société Belge De L'Azote. (See Voituren, Edmond, assignor.)

- Societe Bouillon Freres. (See Bouillon, Emile C. J., assignor.)
- Societe Bournisien Beau & Cie. (See Homolle, Robert G. M., assignor.)
- Societe d'Avertisseur Ferrovoie. (See Gherassimoff, Nicolas, assignor.)
- Societe de Condensation et d'Applications Mecaniques. (See Florisson, Charles L., assignor.)
- Societe de Produits Chimiques des Terres Rares. (See Blumenfeld, Joseph, assignor.)
- Societe de Recherches et d'Exploitations Petroliferes. (See Godel, Albert, assignor.)
- Societe De Recherches et d'Exploitations Petroliferes. (See Godel, Albert, assignor.)
- Societe des Forges & Acieries de Commercay. (See Marchand, Ferdinand, assignor.)
- Societe des Meubles Superposables, Societe a Responsabilite Limitee. (See Porché, Julien H., assignor.)
- Societe des Moteurs Salmson Systeme Canton-Unné. (See Heinrich, Jean M., assignor.)
- Societe d'Etudes et de Construction d'appareils de telemeccanique. (See Bernady, Raoul, assignor.)
- Societe d'Etude et de Construction d'appareils de Telemeccanique. (See Boucher, M., and Bernady, assignors.)
- Societe d'Etudes Minières et Industrielles. (See Urfer, Charles, assignor.)
- Societe d'Expansion Technique. (See Portevin, Albert, assignor.)
- Societe du Carburateur Zenith. (See Boulade, Antonin, assignor.)
- Societe du Carburateur Zenith. (See Heftler, Victor R., assignor.)
- Societe du Film en Couleurs Keller-Dorian. (See Richard, Pierre A., assignor.)
- Societe Electrometallurgique de Montricher. (See Miguet, Paul L. J., assignor.)
- Societe Francaise Cinechromatique (Procedes R. Berthon). (See Berthon, Rodolphe, assignor.)
- Societe Francaise Cinechromatique Procedes R. Berthon. (See Fournier, Paul, assignor.)
- Societe Francaise de Centrifugation. (See Rozières, Jean A. L., assignor.)
- Societe Generale D'Etudes Industrielles, General Research Corporation, Societe Anonyme. (See Feyens, François, assignor.)
- Societe Generale de Fours a Coke, Systemes Lecocq Societe Anonyme. (See Lecocq, Eugene, assignor.)
- Societe Hardoll anciens Etablissements Hariveau & Dolivier et Rene Porte & Cie. Reunis. (See Carbonaro, Marius C., assignor.)
- Societe Hardoll (Etablissements Hariveau & Dolivier et Rene Porte & Cie. Reunis). (See Porte, René, assignor.)
- Societe Holding Des Brevets Et Procedes Giacchino Pour L'Ebauchage Electrique, Societe Anonyme. (See Giacchino, Ezio, assignor.)
- Societe Industrielle de Matériel d'Entreprise et de Construction. (See Dubois, Charles, assignor.)
- Societe Industrielle des Procédés W. A. Loth. (See Loth, William A., assignor.)
- Societe Internationale Des Procedes Prudhomme Houdry. (See Joseph, Alfred, assignor.)
- Societe Internationale Des Procedes Prudhomme (S. I. P. P.). (See Prudhomme, Eugene A., assignor.)
- Societe La Carbonisation, Societe Generale d'Exploitation des Carbones. (See Jakova-Merturi, Gaspard, assignor.)
- Societe L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude. (See Claude, Georges, assignor.)
- Societe les Fils de Valton & Cie. (See Valton, Jean B., assignor.)
- Societe Nationale pour l'Etude des Transports Aeriens, Societe Anonyme. (See Florine, Nicolas, assignor.)
- Societe P. & P. Levy dite Etablissements J et S Levy Freres. (See Lévy, Pierre, assignor.)
- Societe pour l'Enrichissement et l'Agglomeration des Minerals, Societe Anonyme. (See de Samsonow, Alexandre, assignor.)
- Societe Quartz & Silice. (See George, Henri, assignor.)
- Societe Quartz & Silice. (See La Burthe, P., and Delpech, assignors.)
- Societe Ricard, Allenet & Cie. (See Ricard, Eloi, assignor.)
- Societe Etablissements Motte-Dewavrin. (See Motte, Joseph, assignor.)
- Society of Chemical Industry. (See Straub, Fritz, assignor.)
- Society of Chemical Industry in Basle. (See Bally, O., and Grossmann, assignors.)
- Society of Chemical Industry in Basle. (See Bonhôte, Géraud, assignor.)
- Society of Chemical Industry in Basle. (See Eder, Robert, assignor.)
- Society of Chemical Industry in Basle. (See Fröhlich, Jaroslav, assignor.)
- Society of Chemical Industry in Basle. (See Gubler, Hans, assignor.)
- Society of Chemical Industry in Basle. (See Gubler, H., De Montmollin, and Spieler, assignors.)
- Society of Chemical Industry in Basle. (See Hartmann, Max, assignor.)
- Society of Chemical Industry in Basle. (See Hartmann, M., and Klarer, assignors.)
- Society of Chemical Industry in Basle. (See Krauer, K., and Hess, assignors.)
- Society of Chemical Industry in Basle. (See Mayer, B., and Siebenbürger, assignors.)
- Society of Chemical Industry in Basle. (See Posternak, Swigel and T., assignors.)
- Society of Chemical Industry in Basle. (See Siebenbürger, Hugo, assignor.)
- Society of Chemical Industry in Basle. (See Stocker, Robert, assignor.)
- Society of Chemical Industry in Basle. (See Straub, F., and Anderau, assignors.)
- Society of Chemical Industry in Basle. (See Straub, F., Gyr, and Kaiser, assignors.)
- Society of Chemical Industry in Basle. (See Straub, F., Mayer, and Schneider, assignors.)
- Socket, Phillip. (See Marshutz, S. G., and Sockett.)
- Socony Burner Corporation. (See Metcalfe, Robert F., assignor.)
- Soda, Alessandro, New York, N. Y. Standard barber-razor holder. 1,787,093; Dec. 30.
- Sodeberg, Earl W. (See Cuthbert, W. R., and Sodeberg.)
- Söderberg, Carl W. (See Sem, M. O., and Söderberg.)
- Soderberg, Carl R., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Percussive device. 1,768,718; July 1.
- Soderberg, Sten E. B., assignor to Leslie Company, Lyndhurst, N. J. Pressure regulator. 1,745,917; Feb. 4.
- Soderberg, Victor L., Detroit, Mich. Combined electrode and holder. 1,747,685; Feb. 18.
- Soderberg, Victor L., Detroit, Mich., and C. R. Gleason, Chicago, Ill. Electroplating tubes internally and externally. 1,759,171; May 20.
- Sodergren, Eric, Sierra Madre, Calif. Regulator for windows and doors. 1,751,718; Mar. 25.
- Sodergren, John E., Minneapolis, Minn. Screen. 1,758,720; May 13.
- Soderland, August. (See Wofford, W. C., McBrearty, and Soderland.)
- Söderlund, Olof, and T. Gram, assignors to Techno-Chemical Laboratories, Limited, London, England. Drying. 1,755,373; Apr. 22.
- Söderlund, Olof, and T. Gram, assignors to Techno-Chemical Laboratories, Limited, London, England. Drying of moist material. 1,766,843; June 24.
- Söderqvist, William O. N., Lidköping, Sweden. Spring-operated shade roller. 1,782,976; Nov. 25.
- Söderqvist, William O. N., Lidköping, Sweden. Metallic shade roller. 1,782,977; Nov. 25.
- Soelch, George F., Waukesha, Wis., assignor, by mesne assignments, to The Creamery Package Mfg. Company, Chicago, Ill. Bottle-washing machine. 1,749,989; Mar. 11.
- Soelch, George F., Waukesha, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Bottle-washing machine. 1,775,003; Sept. 2.
- Soemer, John O., Newark, N. J. Panic exit lock. 1,756,667; Apr. 29.
- Söhr, Edvin, Lidö, and B. A. Ljungström, Stockholm, assignors to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Heat exchanger. 1,762,426; June 10.
- Sohst, Adele, administratrix. (See Wagner, H., Sohst, and Rachor.)
- Sohst, Otto. (See Wagner, H., Sohst, and Rachor.)
- Sohst, Otto, Höchst-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyes and producing the same. 1,754,652; Apr. 15.
- Sokoloff, Boris N., Washington, D. C. Screw driver. 1,779,339; Oct. 21.
- Sokoloff, Max, Brooklyn, N. Y. Automatic selective attachment for radio tuning apparatus. 1,772,786; Aug. 12.
- Sokolow, Hyman. (See Gumeiner, Samuel, assignor.)
- Sokolow, Samuel, assignor to Abingdon Engineering Co., Inc., New York, N. Y. Automatic dry-cell-making machinery. 1,744,148; Jan. 21.
- Sola, Joseph J. (See Daley, J. C., Goddard, and Sola.)
- Solar Compounds Corporation. (See Bockus, Harry N., assignor.)
- Solar Illuminating Company. (See Lazerson, Abraham, assignor.)
- Solar Refining Company, The. (See Werkenthin, Theodore A., assignor.)
- Solar-Sturges Mfg. Co. (See Bayles, Albert J., assignor.)
- Solberg, John C., Arlington, F. C. Langenberg, Watertown, Mass., and E. M. Sawtelle, New York, N. Y., assignors to Oneida Community, Limited, Oneida, N. Y. High-pressure hydraulic press. 1,782,103; Nov. 18.
- Solenberger, Dean M., Cleveland, Ohio, assignor to The Simplex Piston Ring Company of America, Inc. Piston ring. 1,743,578; Jan. 14.
- Solenberger, Dean M., assignor to The Simplex Piston Ring Co. of America, Inc., Cleveland, Ohio. Piston ring. 1,749,786; Mar. 11.
- Solenberger, Dean M., assignor to The Simplex Piston Ring Company of America, Inc., Cleveland, Ohio. Piston ring. 1,751,253; Mar. 18.
- Solenberger, Dean M., Kansas City, Mo., assignor to Simplex Piston Ring Company, Cleveland, Ohio. Piston ring. 1,755,673; Apr. 22.
- Solenberger, Dean M., Cleveland, Ohio, assignor to The Simplex Piston Ring Company of America, Inc. Piston ring. 1,767,711; June 24.
- Solenberger, Dean M., assignor to The Simplex Piston Ring Co. of America Incorporated, Cleveland, Ohio. Piston-ring-installing device. 1,767,819; June 24.
- Solte, Harold L. (See Kershaw, C. C., and Solie.)

- Solis, Crisoforo, Rio Grande, Tex. Cattle guard. 1,757,024; May 6.
- Sollie, Sigurd A. (See Summers, H. A., and Sollie.)
- Solms, George, jr., Richmond Hill, N. Y. Attachment for doors and door frames. 1,775,974; Sept. 16.
- Solodar, David, Ephrata, Pa. Advertising device. 1,767,712; June 24.
- Solodar, David, Ephrata, Pa. Advertising device. 1,785,100; Dec. 16.
- Soloff, Samuel, Brooklyn, N. Y. Tie rack. 1,769,805; July 1.
- Sologaistoa, Manuel H. P., San Pedro Sula, Honduras. Engine piston. 1,752,816; Apr. 1.
- Solomon, Aaron R., assignor to Modern Auto Repair and Reconstructing Company, St. Louis, Mo. Overhead gasoline-engine oiler. 1,786,269; Dec. 23.
- Solomon, Charles, Yonkers, N. Y., assignor, by mesne assignments, to Superior Hat Company, St. Louis, Mo. Hat. 1,783,549; Dec. 2.
- Solomon, Samuel, and L. Levine, New York, N. Y. Rack for garments and the like. 1,753,725; Apr. 8.
- Soltis, John W., Yonkers, N. Y. Fishing rod. 1,763,934; June 17.
- Solvay Process Company, The. (See Sundstrom, C., and Terziev, assignors.)
- Solvents Extraction Corporation. (See Marselles, William P., assignor.)
- Somergary, Jesse J., and A. Leichtman, assignors of one-third to Mrs. J. A. Urbanek, Detroit, Mich. Vending machine. 1,765,108; June 17.
- Somers, Elward B., Darby, Pa., assignor to Tybon Corporation, Camden, N. J. Ribboner. 1,757,147; May 6.
- Somers, Roy B., Muskegon, Mich. Humidistat. 1,755,276; Apr. 22.
- Somerville, Albert A., Flushing, assignor of two-thirds to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Heat treatment of metals. 1,742,791; Jan. 7.
- Somerville, Albert A., Flushing, assignor of two-thirds to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Fatty-oil composition. 1,767,264; June 24.
- Somerville, Ian C., Cheltenham, Pa., assignor to Röhm & Haas Company. Condensed aromatic sulphonic acids and making same. 1,770,635; July 15.
- Sommer, Karl, Steinenberg, Germany. Device for uniformly moving on a paper strip for closet seats. 1,758,862; May 13.
- Sommer, Leo, Montreal, Quebec, Canada. Level-crossing signal. 1,768,640; July 1.
- Sommer, William H. (See Bailey, Charles F., assignor.)
- Sommer, William H., Peoria, Ill. Wire fabric. 1,760,447; May 27.
- Sommer, William H., Peoria, Ill. Apparatus for coating metallic articles. 1,765,743; June 24.
- Sommer, William H., Peoria, Ill. Die structure. 1,765,744; June 24.
- Sommer, William H., Peoria, Ill. Article of manufacture. 1,770,017; July 8.
- Sommer, William H., Peoria, Ill. Machine for making welded reinforcing fabrics. 1,783,944; Dec. 2.
- Sommer, William H., Peoria, Ill. Heating apparatus. 1,783,945; Dec. 2.
- Sommer, William H., Peoria, Ill. Wire-fence machine. 1,783,946; Dec. 2.
- Sommer, William H., Peoria, Ill. Stop mechanism for detecting irregularities in wire feeding. 1,783,947; Dec. 2.
- Sommer, William H., Peoria, Ill. Making wire fabrics. 1,783,948; Dec. 2.
- Sommerfeld, George H., Cleveland, Ohio. Cleaning device. 1,761,499; June 3.
- Sommers, Benjamin, New York, N. Y. Garbage receptacle. 1,763,907; June 17.
- Sonafelt, Andrew, Enid, Okla. Window screen. 1,778,986; Oct. 21.
- Soncini, Cesare, Brescia, assignor to Società Italiana Ernesto Breda Per Costruzioni Meccaniche, Milan, Italy. Machine gun and other automatic firearm. 1,773,441; Aug. 19.
- Sondley, Clifford T., Newberry, S. C. Bearing grooving and pocketing machine. 1,782,104; Nov. 18.
- Sonen, William A. (See Ruhe, P. P., and Sonen.)
- Sonheim, Frank J., Chicago, Ill. Automatic weather strip. 1,776,522; Sept. 23.
- Sonneborn, Charles, West Pittsburg, assignor to Shaw-Perkins Manufacturing Company, Pittsburgh, Pa. Deformed-tube radiator. 1,780,319; Nov. 4.
- Sonnenberg, Herman, Middle Village, N. Y. Molding machine. 1,755,374; Apr. 22.
- Sonner Burner Co., The. (See Fuller, John S., assignor.)
- Sonntag, Edwin C., Bartlett, Tex. Hoist. 1,747,034; Feb. 11.
- Sonnet, Ernst, Berlin-Schlachtensee, Germany. Chaplet. 1,775,874; Sept. 16.
- Sonoco Products Company. (See Coker, Charles W., assignor.)
- Sons-Cunningham Reed & Rattan Co. (See Jones, Charles W., assignor.)
- Sontag, Walter, Baden, near Vienna, Austria. Baffling device. 1,749,266; Mar. 4.
- Soper, Raymond H., assignor to Brown-Morse Company, Muskegon, Mich. Correspondence rack or tray. 1,762,596; June 10.
- Sopp, Anna, Brooklyn, N. Y. Decorative toy poodle dog. Des. 80,916; Apr. 8.
- Soprani, Mario, Castelfidardo, Italy. Bass-key action for accordions. 1,784,468; Dec. 9.
- Soprani, Mario, Castelfidardo, Italy. Piano-key action for accordions. 1,784,469; Dec. 9.
- Soprani, Paul, New York, N. Y., assignor of one-fifth to Martin C. Pizzala and one-fifth to Integrales. Fuel heater. 1,756,008; Apr. 22.
- Sorbello, Andrew J. (See Nicholls, Robert W., assignor.)
- Sorensen, Albert, Washington, D. C. Water still. 1,762,898; June 10.
- Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Transformer. 1,784,030; Dec. 9.
- Sorensen, Anton, Astoria, Oreg. Float-impregnating process and apparatus. 1,761,500; June 3.
- Sorensen, Arthur E., Aurora, Nebr. Ticker holder. 1,763,484; June 10.
- Sorensen, Charles E., executrix. (See Sorensen, Charles M.)
- Sorensen, C. M., Company. (See Sorensen, Charles M., assignor.)
- Sorensen, Charles M., deceased, Douglaston; C. E. Sorensen, executrix, assignor to C. M. Sorensen Company, Inc., Long Island City, N. Y. Snap-fit bottle holder. 1,746,746; Feb. 11.
- Sorensen, Clarence S., Los Angeles, Calif. Power transmission. 1,762,534; June 10.
- Sorensen, Claude S., Los Angeles, Calif. Bell-pipe mold. 1,750,138; Mar. 11.
- Sorensen, Claude S., San Carlos, assignor to California Concrete Products Co., Sunnyvale, Calif. Centrifugal molding apparatus and process. 1,787,094; Dec. 30.
- Sorensen, Gunhilde M., Weehawken, N. J. Tongs for sugar, candy, etc. 1,749,614; Mar. 4.
- Sorensen, Henry, San Francisco, Calif. Tension-holding member for concrete-reinforcement-tensioning devices. 1,785,214; Dec. 16.
- Sorensen, Royal W. (See Millikan, R. A., and Sorensen.)
- Sorensen, Royal W., Pasadena, and H. A. Barre, Los Angeles, Calif., assignors of one-half to California Institute of Technology and one-half to Southern California Edison Company. High-voltage fuse. 1,757,397; May 6.
- Sorensen, Sam, Houston, Tex. Pipe wrench. 1,761,280; June 3.
- Soresi, Angelo L., New York, N. Y. Brake. 1,778,570; Oct. 14.
- Sorg, William A., Owosso, Mich. Internal-combustion engine. 1,750,063; Mar. 11.
- Sorkind, Abraham, Brawley, Calif. Necktie holder. 1,766,695; June 24.
- Sornberger, Earl D., Harrisburg, Pa. Oil burner. 1,754,578; Apr. 15.
- Sorrell, Raymond A. (See Mickelson, Frederick P., assignor.)
- Sortore, Emerson J. (See Haupt, F. J., and Sortore.)
- Sortore, Emerson J. (See Long, J. W., and Sortore.)
- Sos, Paul, New York, N. Y. Sliding car. 1,774,338; Aug. 26.
- Sosa, Augustus M., Cincinnati, and W. G. Hoelscher, Norwood, assignors to The American Tool Works Company, Cincinnati, Ohio. Elevating mechanism for drilling machines. 1,764,810; June 17.
- Sosinski, Paul P., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,753,726; Apr. 8.
- Soss, Joseph, Brooklyn, N. Y. Hinge. 1,743,495; Jan. 14.
- Soss, Joseph, Brooklyn, N. Y. Hinge. 1,757,599; May 6.
- Soss, Joseph, New York, N. Y. Concealed hinge for refrigerators and the like. 1,772,559; Aug. 12.
- Soss, Joseph, Brooklyn, N. Y. Hinge. 1,772,560; Aug. 12.
- Soss, Mark, Spokane, Wash. Fountain brush. 1,760,018; May 27.
- Soss, Mark, Spokane, Wash. Lawn mower. 1,770,091; July 8.
- Soss, Inc. (See Leventhal, Mitchell, assignor.)
- Soth, Thomas J., Brooklyn, New York, N. Y. Proportioning drafting instrument. 1,771,903; July 29.
- Sothen, Albert L., Chicago, Ill. Shoe attachment. 1,763,543; June 10.
- Soto, Rosario, Oxnard, Calif. Power generator. 1,782,517; Nov. 25.
- Soubier, Leonard D. (See Hoge, J. R., and Soubier.)
- Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Method and apparatus for producing tubular glass. 1,750,971; Mar. 18.
- Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Method of and apparatus for forming glass tubing. 1,750,972; Mar. 18.
- Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass feeder. 1,750,973; Mar. 18.
- Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass feeder. 1,759,209; May 20.
- Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming hollow glassware. 1,759,210; May 20.
- Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass-blowing machine. 1,764,360; June 17.
- Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass-forming machine. 1,764,361; June 17.
- Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass-working tank. 1,771,864; July 29.

- Soublier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass-working tank. 1,771,904; July 29.
- Soublier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Making blown-glass articles. 1,778,735; Oct. 21.
- Soublier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for delivering charges of molten glass. 1,778,775; Oct. 21.
- Soublier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware-forming machine. 1,783,201; Dec. 2.
- Soublier, Leonard D., and E. J. Carl, Toledo, Ohio, assignors to American Patents Corporation. Game apparatus. 1,785,150; Dec. 16.
- Souček, Alois, assignor to J. Piesen, Prague, Czechoslovakia. Apparatus for massage combined with electrization. 1,776,329; Sept. 23.
- Souček, Ferdinand, Reichenberg, Czechoslovakia. Shuttle for looms. 1,758,811; May 13.
- Soule, Charles E., Boston, Mass., assignor of one-half to Wm. J. Kines, New Buffalo, Pa. Pillow. 1,775,444; Sept. 9.
- Soulé, Edward L., Berkeley, Calif. Concrete form. 1,757,487; May 6.
- Soule, George M. (See Ahlm, C. E. F., and Soule.)
- Soule, George M., assignor to The Domestic Electric Company, Cleveland, Ohio. Material-treating machine. 1,764,760; June 17.
- Soule, Henry, Dwight, N. Dak. Snap hook. 1,744,419; Jan. 21.
- Souleyret, Fred C., White Star, Ky. Hinge joint for anchor jacks. 1,765,248; June 17.
- Soulie, Alfred, Cachan, France. Voltage and current regulator for alternating-current circuits. 1,772,327; Aug. 5.
- Soulis, Harold A., Easton, Pa. Internal-combustion-engine piston. 1,755,711; Apr. 22.
- Soulis, Harold A. and W. T., Easton, Pa. Internal-combustion-engine piston. 1,755,710; Apr. 22.
- Soulis, Harold A., New York, N. Y., and W. T. Soulis, Easton, Pa. Internal-combustion-engine piston. 1,748,524; Feb. 25.
- Soulis, Harold A., New York, N. Y., and W. T. Soulis, Easton, Pa. Internal-combustion-engine piston. 1,748,526; Feb. 25.
- Soulis, Wilbur T. (See Soulis, Harold A. and W. T.)
- Soulis, Wilbur T., Easton, Pa. Internal-combustion-engine piston. 1,748,525; Feb. 25.
- Sound Films Corporation. (See Foley, Earl H., assignor.)
- Sounitza, Vladimir B., Pasadena, Calif. Deflection indicator for oil wells. 1,746,562; Feb. 11.
- Sounitza, Vladimir B., Pasadena, Calif. Oil-level-measuring device for oil wells. 1,746,616; Feb. 11.
- Sounitza, Vladimir B., Pasadena, Calif. Electric-arc cutting apparatus. 1,750,436; Mar. 11.
- Souplis, Henri, Paris, France. Electric amusement device. 1,779,052; Oct. 21.
- Sourbé, Alfred. (See Défaint, E., and Sourbé.)
- Sousedik, Josef, Vsetin, Moravia, Czechoslovakia. Automatic starter for induction motors. 1,768,220; June 24.
- Sousedik, Josef, Vsetin, Moravia, Czechoslovakia. Motor-control system. 1,770,345; July 8.
- Souter, Eugene H., Independence, assignor to The Car-Record Company, Kansas City, Mo. Record-carrying device for automobiles. 1,782,942; Nov. 25.
- Southard, George L., Franklin, Pa. Gagger. 1,776,867; Sept. 30.
- South Bend Bait Company. (See Chapleau, Louis A., assignor.)
- South Bend Bait Company. (See Jordan, Wesley, assignor.)
- Southerland, Charles E., Chicago, Ill. Pneumatic tool. 1,746,617; Feb. 11.
- Southern Acid and Sulphur Company. (See Gerhard, Julius W., assignor.)
- Southern Automatic Sales Manufacturing Company. (See Hilly, Charles R., assignor.)
- Southern California Edison Company et al. (See Sorensen, R. W., and Barre, assignors.)
- Southern Textile Machinery Co. (See Paxton, William P., assignor.)
- Southgate, George T., Niagara Falls, N. Y. Method of and apparatus for cospatial fuel and electric heating. 1,775,606; Sept. 9.
- Southwestern Engineering Corp. (See Butler, Robert S., assignor.)
- Southwestern Engineering Corporation. (See Coulter, C. D., assignor.)
- Southwestern Engineering Company. (See Lord, Robert, assignor.)
- Souto, Baldomero V., New York, N. Y., and W. P. Comstock, Newark, N. J. Parlor-car chair. 1,757,551; May 6.
- Sover, Einar, Hellerup, near Copenhagen, Denmark. Piston. 1,772,966; Aug. 12.
- Soyhan, George, New York, N. Y. Revolving broiler. 1,762,035; June 3.
- Spacie, Thomas, Chicago, Ill. Roller skate. 1,753,810; Apr. 8.
- Spasinszki, George, New York, N. Y. Detecting and salvaging device. 1,773,759; Aug. 26.
- Spaeth, Charles, Chicago, Ill., assignor, by mesne assignments, to Old Colony Trust Company. Electron-discharge apparatus. 1,743,629; Jan. 14.
- Spaeth, Frank and T., Hamden, Conn. Dry mop. 1,785,536; Dec. 16.
- Spaeth, Philip D., jr., assignor to The Philad Company, Cleveland, Ohio. Covering for hair waving. 1,746,018; Feb. 4.
- Spaeth, Tamara. (See Spaeth, Frank, and T.)
- Spafford, Allen L., assignor to Wood Conversion Company, Cloquet, Minn. Making creped-paper-lined insulating material. 1,774,573; Sept. 2.
- Spafford, Claude L. (See Reed, H. J., and Spafford.)
- Spahn, Hilbert C., Kewanee, Ill. Motor stand. 1,750,199; Mar. 11.
- Spahn, Hilbert C., Kewanee, Ill. Motor-supporting stand. 1,750,200; Mar. 11.
- Spalding, A. G., & Bros. (See Fitzpatrick, Frank B., assignor.)
- Spalding, A. G., and Bros. (See Gammeter, John R., assignor.)
- Spalding, A. G., & Bros. (See Glahe, Fred, assignor.)
- Spalding, A. G., & Bros. (See Hart, Henry R., assignor.)
- Spalding, A. G., & Bros. (See Pierce, George L., assignor.)
- Spalding, A. G., & Bros. (See Pierce, G. L., and Rau, assignors.)
- Spalding, A. G., & Bros. (See Reach, Milton B., assignor.)
- Spalding, A. G., & Bros. (See Reach, William F., assignor.)
- Spalding, A. G., & Bros. (See Voyne, Mechial, assignor.)
- Spalding, Herbert J., Akron, Ohio. Tire-flap hole measuring and cutting punch. 1,753,305; Apr. 8.
- Spalding, John D., Crafton, Pa., assignor to The National Supply Company, Toledo, Ohio. Elevator. 1,750,822; Mar. 18.
- Spalding, John D., Grafton, Pa., assignor, by mesne assignments, to The National Supply Company, Toledo, Ohio. Rotary well-drilling machine. 1,782,769; Nov. 25.
- Spalding, John D., Crafton, Pa., and D. S. Faulkner, Los Angeles, Calif., assignors to The National Supply Company of Delaware, New York, N. Y. Differential and straight brake equalizer for rotary draw works. 1,760,180; May 27.
- Spalding, William L., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Gas-treating apparatus. 1,785,792; Dec. 23.
- Spallano, John, Streator, Ill. Mouth-organ stand. 1,762,645; June 10.
- Spalsbury, Charles B., assignor to Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Making shoes. 1,749,926; Mar. 11.
- Spanel, Abraham N., Rochester, N. Y. Soap dish. Des. 82,004; Sept. 9.
- Spanel, Abraham N., Rochester, N. Y. Renovating and oxygenizing device. 1,748,087; Feb. 25.
- Spanel, Abraham N., and M. Robitaille, assignors to Vacuumizer Manufacturing Corporation, Rochester, N. Y. Soap dish. Des. 82,184; Sept. 30.
- Spang and Company. (See Spang, Ferdinand J., assignor.)
- Spang, Chalfant & Company. (See Fownes, W. C., jr., Barton, and Benninghoff, assignors.)
- Spang, Ferdinand J., Butler, Pa. Molding device. 1,748,250; Feb. 25.
- Spang, Ferdinand J., Butler, Pa. Fishing tool. 1,752,656; Apr. 1.
- Spang, Ferdinand J., assignor to Spang and Company, Butler, Pa. Fishing tool. 1,775,323; Sept. 9.
- Spangenberg, Henry, Longbranch, Wash. Gate. 1,745,458; Feb. 4.
- Spangenberg, Lester, Clifton, N. J. Locomotive bumper brace. 1,771,423; July 29.
- Spangler, Archie L., Los Angeles, Calif. Gas heater. Des. 81,078; Apr. 29.
- Spangler, Samuel, Glenalum, W. Va. Valve lock. 1,787,401; Dec. 30.
- Spangler, William I., Tarlton, Ohio. Signal clarifier for radio receiving apparatus. 1,763,270; June 10.
- Spangler, William I., Tarlton, assignor to The Chamberlin Cartridge & Target Company, Cleveland, Ohio. Target trap. 1,771,865; July 29.
- Spanjers, Anton R. P. (See Spanjers, Arnold J. and A. R. P.)
- Spanjers, Arnold J., Duluth, and Anton R. P. Spanjers, Minneapolis, Minn. Weather strip. 1,748,660; Feb. 25.
- Spanner, Hans J. (See Meyer, F., and Spanner.)
- Spardel, Emil, Hamburg, Germany. Catamenial appliance. 1,743,733; Jan. 14.
- Sparhawk, Charles E., Stellacoom, Wash. Airplane. 1,761,242; June 3.
- Sparke, Edith, Berkeley, Calif. Curtain fixture. 1,748,312; Feb. 25.
- Sparkes, Harry P., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical distribution system. 1,745,870; Feb. 4.
- Sparkes, John G., assignor to Waverly Musical Products Company, Inc., Long Island City, N. Y. Tuning peg for stringed musical instruments. 1,743,007; Jan. 7.
- Sparkes, John G., Great Neck, assignor to Press Products, Inc., Long Island City, N. Y. Storage-battery-terminal clamp. 1,767,903; June 24.
- Sparklets Bottled Water Corporation. (See Washburne, Arthur L., assignor.)
- Sparks, Edmund R., Edmonton, Alberta, Canada. Forked kitchen utensil. 1,768,011; June 24.
- Sparks, James L. (See Lemmons, Samuel C., assignor.)

- Sparks, Stanley W., Summit, N. J., assignor to The Columbus Machine Company, Columbus, Ohio. Gate valve. 1,752,657; Apr. 1.
- Sparks, William, and L. E. Johnson, assignors to The Sparks-Withington Company, Jackson, Mich. Circuit closer. 1,753,029; Apr. 1.
- Sparks-Withington Company, The. (See Billig, Fred W., assignor.)
- Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)
- Sparks-Withington Company, The. (See Sparks, W., and Johnson, assignors.)
- Sparling, Eric C., Garden City, assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Change of course detector for compasses. 1,751,110; Mar. 18.
- Sparrow, William T. (See Luippold, R. W., and Sparrow.)
- Sparrow, William T., Hampton, Va., assignor of one-third to E. H. Fairbanks, Merchantville, N. J. Pin or bolt retainer for brake rigging. 1,752,544; Apr. 1.
- Sparta Foundry Company. (See McFall, Thurlow E., assignor.)
- Spateuga, Stephen R., Glendale, N. Y. Apparatus for cutting and beveling glass. 1,770,498; July 15.
- Spathelf, David E., University City, assignor to Hamilton, Brown Shoe Company, St. Louis, Mo. Shoe. 1,760,665; May 27.
- Spatschil, Charles, Jersey City, assignor to Simon Miller & Co., Newark, N. J. Bracelet. 1,779,383; Oct. 21.
- Spatta, George. (See Mogford, E. C., and Spatta.)
- Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Clamping ring. 1,775,659; Sept. 16.
- Spaulding, Arch W., assignor to The American Rolling Mill Company, Middletown, Ohio. Machine for internally-coating culvert pipes. 1,786,785; Dec. 30.
- Spaulding, Clyde V. (See Steinmetz, J. A., and Spaulding.)
- Spawton, Richard A., Brookfield, Nova Scotia, Canada. Safety milk-bottle holder. 1,758,863; May 13.
- Speakman Company. (See Fraser, James, assignor.)
- Spear, Lawrence Y., New London, assignor to Electric Boat Company, Groton, Conn. Rescue car. 1,753,482; Apr. 8.
- Spear, Lawrence Y., New London, Conn., assignor to Electric Boat Company, Groton, Conn. Combined testing dock and salvage vessel. 1,764,903; June 17.
- Spear, Lawrence Y., New London, assignor to Electric Boat Company, Groton, Conn. Compensating system. 1,764,904; June 17.
- Spear, Lawrence Y., New London, assignor to Electric Boat Company, Groton, Conn. Rescue submarine. 1,784,500; Dec. 9.
- Spear, Lawrence Y., and C. P. Caulkins, New London, Conn., assignors to General Ordnance Corporation, New York, N. Y. Traction vehicle. 1,764,902; June 17.
- Spear, Leolyn F., Westfield, assignor to Gilbert-Barker Manufacturing Company, Springfield, Mass. Oil burner. 1,776,048; Sept. 16.
- Spear, Lewis E., Oakland, Calif. Head motion for concentrators. 1,774,769; Sept. 2.
- Spear, Robert D., Elizabeth, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Steam-power plant. 1,769,472; July 1.
- Spear, Thomas S., Nichols, Fla. Buckle. 1,781,709; Nov. 18.
- Specht, Harry G., Fairfield, assignor to The Bassick Company, Bridgeport, Conn. Clip for drawer pulls. 1,772,371; Aug. 5.
- Specht, Norbert, Oranienburg, near Berlin, assignor to Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Producing permanent paints. 1,750,287; Mar. 11.
- Specialty Advertising Company. (See Agree, William P., jr., assignor.)
- Specialty Automatic Machine Company. (See La Bombard, Leon E., assignor.)
- Specialty Automatic Machine Company. (See La Bombard, L. E., and Sidebotham, assignors.)
- Specialty Insulation Manufacturing Company. (See Bateholts, Clinton, assignor.)
- Specialty Papers Company, The. (See Wilshire, Van H., assignor.)
- Specialty Sales Company. (See McCorkindale, William P., assignor.)
- Speck, John P. (See Purdy, W. G., and Speck.)
- Speck, John P., Tiffin, Ohio. Panel construction for signboards. 1,781,558; Nov. 11.
- Speck, William C., Lamesa, Tex. Cultivator attachment. 1,763,271; June 10.
- Specketer, Heinrich, and G. Henschel, Griesheim-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of chromates with simultaneous recovery of alumina. 1,760,788; May 27.
- Specter, Harry C., New York, N. Y. Waterproof-closure fastener. 1,752,464; Apr. 1.
- Spector, Herman, Brooklyn, N. Y. Door viewer. Des. 80,866; Apr. 1.
- Spector, Solomon, La Fayette, Ind. Incinerator. 1,778,919; Oct. 21.
- Speed, Francis H., Lynn, Mass., assignor to Thomson Electric Welding Company. Welding and forging by electric resistance method. 1,744,284; Jan. 21.
- Speedumat Manufacturing Company. (See Johnson, John E., assignor.)
- Speeder Machinery Corporation. (See Ronk, George T., assignor.)
- Speedway Manufacturing Company. (See Knowlson, James S., assignor.)
- Speer, Alexander S., Buffalo, N. Y., assignor by mesne assignments, to Certain-teed Products Corporation. Roofing. 1,753,583; Apr. 8.
- Speer, James E. (See McWhirter, W. C., and Speer.)
- Speer, James R., Trappe, Md., and F. H. Moyer, Pittsburgh, Pa. Method of and apparatus for rolling sheet metal. 1,785,986; Dec. 23.
- Speer, John C., Chicago, Ill. Erasing device. 1,777,812; Oct. 7.
- Speese, Daniel S., Detroit, Mich. Fabric. 1,771,588; July 29.
- Speh, Herman A., Binghamton, N. Y. Reversible hunting coat. 1,773,442; Aug. 19.
- Speicher, Daniel E., assignor to The Cyclone Manufacturing Company, Urbana, Ind. Adjustable guard for poultry feeders. 1,787,330; Dec. 30.
- Speidel, Albert E. R., Edgewood, R. I. Bracelet chain. Des. 82,185; Sept. 30.
- Speidel, Albert E. R., Edgewood, R. I. Combined bracelet chain and end hook. Des. 82,186; Sept. 30.
- Speidel, Albert E. R., Edgewood, R. I. Combined bracelet chain and end hook. Des. 82,187; Sept. 30.
- Speidel, Albert E. R., Edgewood, R. I. Combined bracelet chain and end hook. Des. 82,188; Sept. 30.
- Speidel, Albert E. R., Edgewood, R. I. End hook. Des. 82,289; Oct. 14.
- Speidel Bros. (See Johnson, Sylvester A., assignor.)
- Speidel Chain Co. (See Carlson, Edwin G., assignor.)
- Speidel Chain Company. (See Schrayssshuen, Carl, assignor.)
- Speidel, Edwin F. M., and K. C. Augenstein, Edgewood, assignors to Automatic Gold Chain Company, Providence, R. I. Machine and method for making chain. 1,761,415; June 3.
- Speidel, Edwin F. M., Edgewood, and K. C. Augenstein, Cranston, R. I.; said Augenstein assignor to said Speidel. Extension device. 1,778,044; Oct. 14.
- Speight, Eric A., Blackley, Manchester, assignor to Imperial Chemical Industries Limited, London, England. Dyeing of cellulose esters and ethers. 1,780,320; Nov. 4.
- Speight, James A., Rocky Mount, N. C. Sanitary belt and pad. 1,772,019; Aug. 5.
- Speir, Robert J., Takoma Park, Md. Reporting machine. 1,770,326; July 8.
- Speiser, Gottlieb, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,763,197; June 10.
- Spelling, Thomas C., New York, N. Y. Water hoist. 1,753,163; Apr. 1.
- Spelling, Thomas C., New York, N. Y. Water hoist. 1,753,164; Apr. 1.
- Spellman, Herbert W. (See Guggenheim, E., and Spellman.)
- Spellmeyer, Frederick W., East Orange, N. J. Marking device. 1,756,141; Apr. 29.
- Spence, David, Norwalk, Conn., assignor to Intercontinental Rubber Company, New York, N. Y. Treatment of guayule, etc. 1,753,184; Apr. 1.
- Spence, David, Norwalk, Conn., assignor to Intercontinental Rubber Company, New York, N. Y. Extraction of rubber from guayule, etc. 1,753,185; Apr. 1.
- Spence, Robert E. L., jr., Miami, Fla. Duplicating machine. 1,756,395; Apr. 29.
- Spencer, Alexander, London, England. Railway and the like vehicle. 1,781,253; Nov. 11.
- Spencer, Cecil B., and L. M. Canady, Albany, Oreg. Fruit peeling and coring machine. 1,769,654; July 1.
- Spencer, Cecil W. (See Manners, W. H., and Spencer.)
- Spencer Chain Stores, Inc. (See Daly, John J., assignor.)
- Spencer, Charles E., Chicago, and O. W. Roberts, Oak Park, assignors to Casement Hardware Co., Chicago, Ill. Casement-window operator. 1,744,341; Jan. 21.
- Spencer, Charles H., Los Angeles, Calif. Building storage reservoirs in desert countries. Re17,770; Aug. 12.
- Spencer, Corte J., Dundee, N. Y. Cow poke. 1,753,071; Apr. 1.
- Spencer, Edmonson, Calcutta, British India. Apparatus for and process of separating or extracting cellulose or paper pulp. 1,761,543; June 3.
- Spencer, Edmonson, Calcutta, British India. Separating or extracting cellulose or paper pulp. 1,761,544; June 3.
- Spencer, Frank C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Feeding device for drilling-machine spindles. 1,752,465; Apr. 1.
- Spencer, Gardner A. B., and H. B. Cornish, Alameda, Calif. Two-cycle engine. 1,750,201; Mar. 11.
- Spencer, George, Heywood, England. Apparatus for disintegrating, mixing, aerating, and ejecting sand or the like. 1,769,806; July 1.
- Spencer, George M., St. Louis, Mo. Elastic-fluid dust separating and collecting system. 1,785,331; Dec. 16.
- Spencer, Harry E., New York, N. Y. Weight-printing mechanism for scales. 1,781,793; Nov. 18.
- Spencer, Harvey J., Wichita, Kans. Race track. 1,774,676; Sept. 2.
- Spencer, Hugh B., Duluth, Minn., and W. R. Smith, Winnipeg, Manitoba, Canada. Grease cup. 1,759,211; May 20.

- Spencer, Hugh M., assignor to The Upson Company, Lockport, N. Y. Water-resistant and fire-resistant fibrous product and making same. 1,786,270; Dec. 23.
- Spencer, Ira H., assignor to The Spencer Turbine Company, West Hartford, Conn. Pneumatic cleaning tool. 1,752,034; Mar. 25.
- Spencer, James C., Chicago, Ill. Aeroplane rudder-bar control. 1,752,118; Mar. 25.
- Spencer, John A., Revere, assignor to Raytheon Inc., Cambridge, Mass. Regulating system. 1,763,107; June 10.
- Spencer, John A., Newton, assignor to Spencer Thermostat Company, Cambridge, Mass. Temperature controlling apparatus. 1,773,698; Aug. 19.
- Spencer, John A., Newton, assignor to Spencer Thermostat Company, Cambridge, Mass. Electrical switch for thermostats, etc. 1,776,012; Sept. 16.
- Spencer, John E., Salem, Mass. Leather graining, boarding, and softening machine. 1,749,267; Mar. 4.
- Spencer Lens Company. (See Ott, Harvey N., assignor.)
- Spencer, Louis M., assignor to General Motors Corporation, Detroit, Mich. Underslung tire carrier. 1,761,941; June 3.
- Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Electrical switch. 1,744,930; Jan. 28.
- Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Electric motor. 1,761,159; June 3.
- Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Rotor for induction motors. 1,773,285; Aug. 19.
- Spencer, Owen H., Indianapolis, Ind. Vehicle body. Des. 82,005; Sept. 9.
- Spencer, Owen H., Indianapolis, Ind. Engine scavenging and fueling mechanism. 1,742,621; Jan. 7.
- Spencer, Owen H., Indianapolis, Ind. Explosive-engine piston. 1,763,993; June 17.
- Spencer, Owen H., Indianapolis, Ind. Cooling means for engines. 1,777,534; Oct. 7.
- Spencer, Owen H., Indianapolis, Ind. Coke means for two-cycle engines. 1,780,635; Nov. 4.
- Spencer, Owen H., Indianapolis, Ind. Engine-cooling cowl. 1,783,318; Dec. 2.
- Spencer, Percy L., Medford, Mass., assignor, by mesne assignments, to Old Colony Trust Company. Glow lamp. 1,763,108; June 10.
- Spencer, Reginald W., South Kirkby, near Pontefract, and H. P. Harris, Sutton Coldfield, England. Pipe joint. 1,782,484; Nov. 25.
- Spencer, Richard K., Rothbury, Wallington, England, assignor to Radio Corporation of America. Wireless receiver. 1,748,738; Feb. 25.
- Spencer, Richard V., Los Angeles, Calif. Pen and pencil clip. 1,754,582; Apr. 15.
- Spencer, Robert L., assignor to Heine Boiler Company, St. Louis, Mo. Superheater boiler. 1,743,165; Jan. 14.
- Spencer, Rowland, St. Annes-on-Sea, England. Multiple woven fabric. 1,750,493; Mar. 11.
- Spencer, Sam E., Elland, England. Grid for gas purifiers. 1,762,840; June 10.
- Spencer Thermostat Company. (See Spencer, John A., assignor.)
- Spencer Turbine Company. (See Spencer, Ira H., assignor.)
- Spender, Sidney, assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,771,147; July 22.
- Spengeman, Edwin, New York, N. Y. Timing apparatus. 1,784,031; Dec. 9.
- Spengler, Charles, Akron, N. Y., assignor, by mesne assignments, to Certain-Teed Products Corporation. Plaster-board manufacture. 1,751,953; Mar. 25.
- Spengler, Oskar, Berlin-Neubabelsberg, and W. Müller, Leipzig, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Dyeing cellulose-acetate threads. 1,770,714; July 15.
- Spengler, Walter J., assignor to Scintilla Magneto Company, Inc., Sidney, N. Y. Magneto. 1,776,013; Sept. 16.
- Spennemann, Walter, Cassel, Germany. Electric power distribution. 1,762,672; June 10.
- Sperduti, John, Pleasantville, N. Y. Stringed musical instrument. 1,760,789; May 27.
- Sperling, Jacob, Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Side-wall tuyère. 1,779,861; Oct. 28.
- Sperling, Oscar, New York, N. Y. Fish trap. 1,773,324; Aug. 19.
- Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Apparatus for treating gases. 1,768,162; June 24.
- Sperry, Arthur G., Hollis, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y. Safety device for typographical machines. 1,780,848; Nov. 4.
- Sperry Development Company, The. (See Jones, George L., assignor.)
- Sperry Development Company. (See Sperry, Elmer A., assignor.)
- Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover, Del. Beacon system for night flying. Re17,614; Mar. 4.
- Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del. Fuel injecting and igniting means for oil engines. 1,751,254; Mar. 18.
- Sperry, Elmer A., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Development Company. Sounding device. 1,763,377; June 10.
- Sperry, Elmer A., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Stabilizing device. 1,778,734; Oct. 21.
- Sperry, Elmer A., jr., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic pilot for ships. 1,772,787; Aug. 12.
- Sperry, Elmer A., jr., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic pilot. 1,772,788; Aug. 12.
- Sperry, Elmer A., jr., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic pilot. 1,779,991; Oct. 28.
- Sperry, Elmer A., Brooklyn, N. Y., and E. Meitner, Los Angeles, Calif., assignors, by mesne assignments, to Sperry Gyroscope Company, Inc. Director firing system. 1,755,340; Apr. 22.
- Sperry Gyroscope Company Inc. (See Bassett, Preston R., assignor.)
- Sperry Gyroscope Company Inc. (See Bates, Mortimer F., assignor.)
- Sperry Gyroscope Company, The. (See Carter, Leslie F., assignor.)
- Sperry Gyroscope Company. (See Carter, L. F., and Hodgman, assignors.)
- Sperry Gyroscope Company. (See Chafee, E. W., and Narvesen, assignors.)
- Sperry Gyroscope Company. (See Gillmor, R. E., and Deimel, assignors.)
- Sperry Gyroscope Company. (See Hight, W. R., assignor, and Wainwright.)
- Sperry Gyroscope Company. (See House, Frank R., assignor.)
- Sperry Gyroscope Company. (See Mills, Chester B., assignor.)
- Sperry Gyroscope Company. (See Patterson, Martin L., assignor.)
- Sperry Gyroscope Company. (See Sparling, Eric C., assignor.)
- Sperry Gyroscope Company. (See Sperry, Elmer A., assignor.)
- Sperry Gyroscope Company. (See Sperry, Elmer A., jr., assignor.)
- Sperry Gyroscope Company. (See Sperry, E. A., and Meitner, assignors.)
- Sperry Gyroscope Company. (See Sperry, Lawrence B., assignor.)
- Sperry Gyroscope Company. (See Thompson, Herbert H., assignor.)
- Sperry, John B., assignor to The American Well Works, Aurora, Ill. Pumping apparatus. 1,751,767; Mar. 25.
- Sperry, Lawrence B., assignor, by mesne assignments to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic pilot for aeroplanes. 1,757,096; May 6.
- Sperry, Leonard B., Western Springs, assignor to International Harvester Company, Chicago, Ill. Lubricating system for cream separators. 1,778,435; Oct. 14.
- Sperry, Roger S. (See George, J. S., and Sperry.)
- Sperry, Samuel E., Hollis, assignor to Intertype Corporation, New York, N. Y. Justification means for typographical machines. 1,779,340; Oct. 21.
- Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Mold-cooling device for line-casting machines. 1,782,371; Nov. 18.
- Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Matrix magazine. 1,783,929; Dec. 2.
- Spertus, Herman H., and M. Spertus, Chicago, Ill. Lamp reflector. Des. 81,671; July 22.
- Spertus, Maurice. (See Spertus, Herman H. and M.)
- Sphinx Manufacturing Company. (See Bowlzer, Daniel H.)
- Spicer, Clarence W. (See Tarbox, G. L., and Spicer.)
- Spicer, Clarence W., Plainfield, N. J. Fence material and making the same. 1,756,396; Apr. 29.
- Spicer, Clarence W., Plainfield, N. J. Heat-treating furnace. 1,778,045; Oct. 14.
- Spicer, Delphin H., Lakewood, Ohio. Tire inflater. 1,779,565; Oct. 28.
- Spicer, Delphin H., Lakewood, Ohio. Automatic tire-inflating mechanism. 1,779,566; Oct. 28.
- Spicer, Harold N. (See Dorr, J. V. N., Darby, Terry, and Spicer.)
- Spicer, John P., et al. (See Spicer, John P., assignor.)
- Spicer, John P., Philadelphia, Pa., assignor, by mesne assignments, of one-half to J. P. Spicer, one-fourth to A. H. Cornog, and one-fourth to A. V. E. Cornog. Safety emergency attachment for wheels. 1,760,666; May 27.
- Spiegel, Béla, Budapest, Hungary. Manufacture of alumina cement. 1,775,575; Sept. 9.
- Spielberger, Sigmond, Jamaica, N. Y. Suspender vest. 1,787,216; Dec. 30.
- Spieler, Joseph. (See Gubler, H., De Montmollin, and Spieler.)
- Spielman, Milton H., and W. H. Poesse, Shaker Heights, assignors to The Domestic Electric Company, Cleveland, Ohio. Material-treating machine. 1,764,700; June 17.
- Spielmann, Emerich, Vienna, Austria. Electric music instrument. 1,778,374; Oct. 14.
- Spiers, William W., London, England. Machine for punching holes in documents and the like. 1,763,869; June 17.

- Spiers, William W., London, England. Binder file. 1,779,894; Oct. 28.
- Spies, Vincent J. B., Mudjee, Australia. Reduced-gas-pressure regulator. 1,744,813; Jan. 28.
- Spies, Georg, Leipzig, Germany. Folding machine. 1,781,768; Nov. 18.
- Spies, Georg, Leipzig-Plagwitz, Germany. Cross-folding machine. 1,782,323; Nov. 18.
- Spieth, Harry E. (See Carter, H. C., and Spieth.)
- Spieth, William C., Geneva, Ohio. Electric-arc lamp. 1,782,485; Nov. 25.
- Spigai, Vincenzo F., La Spezia, Italy. Automatic regulator for power-factor-improving apparatus. 1,755,491; Apr. 22.
- Spiker, William C., Atlanta, Ga. Golf putter. 1,756,219; Apr. 29.
- Spill, Charles J., Freeport, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Leak-detecting apparatus. Re17,662; May 13.
- Spill, Walter E., trustee. (See McKim, Wilmer E., assignor.)
- Spillane, James D., Bronx, assignor to The Constantator Co., Inc., New York, N. Y. Regulating mechanism. 1,773,884; Aug. 26.
- Spillman, Albert, North Tonawanda, N. Y. Amusement device. 1,750,494; Mar. 11.
- Spillman, Albert, North Tonawanda, N. Y. Driving mechanism for amusement devices. 1,773,636; Aug. 19.
- Spillman, Porter R., South Bend, Ind. Siding gauge and scribe. 1,780,849; Nov. 4.
- Spillmann, Max, Richfield, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Thrust-bearing unit. 1,745,871; Feb. 4.
- Spilman, James E., Wartrace, Tenn. Animal trap. 1,783,144; Nov. 25.
- Spilsbury, Hugh G., Cranford, assignor, by mesne assignments, to F. Earle Montclair, N. J. Rail-welding apparatus. 1,757,148; May 6.
- Spilsbury, Hugh G., Cranford, assignor, by mesne assignments, to F. Earle Montclair, N. J. Welding process. 1,787,056; Dec. 30.
- Spinasse, Arthur E., Mount Vernon, Ohio. Apparatus and method for drawing glass. 1,755,523; Apr. 22.
- Spinasse, Arthur E., Mount Vernon, Ohio. Apparatus for and method of drawing flat sheet glass. 1,777,584; Oct. 7.
- Spink, Charles R., Los Angeles, Calif. Roof truss. 1,744,342; Jan. 21.
- Spinney, Burton A., Des Moines, Iowa. Self-adjusting tire-chain device. 1,764,811; June 17.
- Spinney, Carl E., West Lafayette, Ind. Automatic tank loader for fuel trucks. 1,780,605; Nov. 4.
- Spino, Leon, and J. Nicoletta, Clyde, N. Y. Elastic tension device. 1,759,719; May 20.
- Spiral-Rolled Products Co., (See Lapham, Marshall, assignor.)
- Spire, William H., and R. E. Bissell, assignors to Thompson Products, Incorporated, Cleveland, Ohio. Valve. 1,767,409; June 24.
- Spiro, Charles, New York, N. Y. Steam engine. 1,778,817; Oct. 21.
- Spiro Film Corporation. (See Bowen, Lester W., assignor.)
- Spiro, Harry, Chicago, Ill. Casting machine. 1,758,380; May 13.
- Spiro, Walter J., White Plains, N. Y. Closures for open automobiles. 1,775,539; Sept. 9.
- Spiros, Sam, Chicago, Ill. Trimmer for films. 1,781,200; Nov. 11.
- Spital, Clifford, Birmingham, England. Washbasin appliance. 1,751,294; Mar. 18.
- Spitzer, Charles, Warrensburg, Ill. Cigar lighter. 1,761,316; June 3.
- Spitzer, Edwin E., Schenectady, N. Y., assignor to General Electric Company. Rectifying alternating current. 1,783,059; Nov. 25.
- Spitzglass, Albert F., assignor to Republic Flow Meters Company, Chicago, Ill. Heat regulator and recorder. 1,787,176; Dec. 30.
- Splitdorf Electrical Company. (See Lang, George L., assignor.)
- Splitdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
- Splitdorf Electrical Company. (See Toegel, Herbert J., assignor.)
- Splitberger, Arthur, Baltimore, Md., assignor to General Electric switch. 1,755,083; Apr. 15.
- Spohn, John H., jr., San Francisco, Calif. Bottle for containing fluids. 1,756,397; Apr. 29.
- Spohr, Carl W., assignor to Williams, Camp and Bradbury, Chicago, Ill. Carburetor-controlling device. 1,752,817; Apr. 1.
- Spolidoro, Vincent, Los Angeles, Calif. String for musical instruments. 1,772,846; Aug. 12.
- Sponable, Earl I., assignor to Fox Case Corporation, New York, N. Y. Combined motion-picture and sound camera. 1,777,682; Oct. 7.
- Sponable, Earl I., assignor to Fox Case Corporation, New York, N. Y. Sound record. 1,776,049; Sept. 16.
- Sponable, Earl I., assignor to Fox Case Corporation, New York, N. Y. Film punch. 1,785,215; Dec. 16.
- Sponar, Aloysius T., assignor to John Wood Manufacturing Company, Conshohocken, Pa. Gas water heater. 1,776,239; Sept. 16.
- Sponsel, Charles, Mancos, Colo. Hypodermic-syringe guard. 1,779,451; Oct. 28.
- Sponsel, Charles, Mancos, Colo. Branding iron. 1,779,452; Oct. 28.
- Sponsler, Charles F., Philadelphia, Pa. Door stay. 1,754,579; Apr. 15.
- Spoonemore, Isabelle, San Diego, Calif. Cap. Des. 81,816; Aug. 12.
- Spooner, Albert E., Renfrew, Ontario, Canada. Railroad-crossing gate. 1,785,747; Dec. 23.
- Spoor, Ivan H., Berwyn, assignor to The Gerrard Company, Inc., Chicago, Ill. Reel. 1,764,125; June 17.
- Spoor, John R., Kalamazoo, Mich. Paper splitter. 1,754,969; Apr. 15.
- Sporn, Philip. (See Sindeband, M. L., and Sporn.)
- Spottswood, Edwin E., Cincinnati, Ohio. Protective structure for cashiers and the like. 1,761,095; June 3.
- Spotz, Chester A., Greenwich, Conn. Motor. 1,744,343; Jan. 21.
- Spousta, John, River Rouge, Mich. Furnace. 1,749,164; Mar. 4.
- Spradlin, Alex M., Cliff, Ky. Inkwell stand. Des. 80,294; Jan. 7.
- Sprague & Carleton. (See Whitcomb, Edson G., assignor.)
- Sprague, Charles B., Portland, Oreg. Knife-holding means for chipping machines. 1,785,151; Dec. 16.
- Sprague, Clarence A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine cable. 1,757,443; May 6.
- Sprague, Clarence A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Central energy wave signaling system. 1,771,148; July 22.
- Sprague, Earl D. (See Shipman, Robert L., assignor.)
- Sprague, Frank J., New York, N. Y. Apparatus for controlling the movement of vehicles on railroads. 1,771,149; July 22.
- Sprague, Frank J., assignor to Sprague Safety Control and Signal Corporation, New York, N. Y. Train-control apparatus and circuit arrangement. 1,742,421; Jan. 7.
- Sprague, Frank J., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Dual elevator system and control. 1,763,198; June 10.
- Sprague, Frank J., Sharon, Conn., assignor to Sprague Safety Control and Signal Corporation. Method of and apparatus for control of train movements. 1,780,143; Oct. 28.
- Sprague, Robert C., Quincy, Mass., assignor to Sprague Specialties Co., Quincy, Mass. Electrical condenser and making the same. 1,767,412; June 24.
- Sprague, Robert C., assignor to Sprague Specialties Co., Quincy, Mass. Electrical condenser and making the same. 1,768,333; June 24.
- Sprague Safety Control and Signal Corporation. (See Brewster, Charles W., assignor.)
- Sprague Safety Control and Signal Corporation. (See Sprague, Frank J., assignor.)
- Sprague-Sells Corporation. (See Albertoli, John E., assignor.)
- Sprague-Sells Corporation. (See Foster, Frank A., assignor.)
- Sprague-Sells Corporation. (See Lewis, Harold R., assignor.)
- Sprague-Sells Corporation. (See Schmidt, John, assignor.)
- Sprague-Sells Corporation. (See Thorin, Carl B., assignor.)
- Sprague Specialties Co. (See Sprague, Robert C., assignor.)
- Sprague, William E., et al. (See Krause, Paul, assignor.)
- Sprague, William P., Los Angeles, Calif. Applicator. 1,775,329; Sept. 9.
- Sprankle, George D., Tipton, Pa. Steam-pipe connector. 1,756,668; Apr. 29.
- Spra-O-Sal Products, Inc. (See Pulkington, William R., assignor.)
- Spratt, Baylor, Evansville, Ind. Boiler-scale-removing device. 1,761,371; June 3.
- Spratts' Patent, America, Limited. (See Hartmann, August, assignor.)
- Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-switch-controlling apparatus. 1,744,931; Jan. 28.
- Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of track indicators. 1,748,464; Feb. 25.
- Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,748,803; Feb. 25.
- Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,748,804; Feb. 25.
- Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of railway-car retarders. 1,776,866; Sept. 30.
- Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,778,172; Oct. 14.
- Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Master-control apparatus. 1,780,658; Nov. 4.
- Sprechman, Isidore. (See Krutt, Israel, assignor.)
- Spreen, Charles C., Detroit, Mich. Bearing seal. 1,764,701; June 17.

- Spreen, Charles C., Detroit, Mich. Seal for compressors. 1,767,413; June 24.
- Spreen, Charles C., Detroit, Mich. Journal-bearing seal. 1,780,248; Nov. 4.
- Spreen, Charles C., Detroit, Mich. Journal-bearing seal. 1,780,249; Nov. 4.
- Spreen, Charles C., Detroit, Mich. Journal-bearing seal. 1,781,201; Nov. 11.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Condenser for refrigerating apparatus. 1,753,951; Apr. 8.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerator door. 1,753,952; Apr. 8.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Condenser. 1,753,953; Apr. 8.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,757,062; May 6.
- Spreen, Charles C., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,764,652; June 17.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,764,653; June 17.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Compressor-condenser unit. 1,764,654; June 17.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Compressor. 1,764,655; June 17.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Refrigeration. 1,764,702; June 17.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Machine support. 1,764,761; June 17.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Refrigeration. 1,764,762; June 17.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Refrigeration. 1,764,858; June 17.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Refrigeration. 1,782,105; Nov. 18.
- Sprenger, Arthur. (See Durrer, R., Siemens, and Sprenger.)
- Sprenger, Dr. Otto, Patentverwertung Jirotko m. b. H. (See Jirotko, Bohumil, assignor.)
- Sprenger, George W., Lynn, Mass., assignor to General Electric Company. Instrument scale plate. 1,751,426; Mar. 18.
- Spriess, Joseph, et al. (See White, Harry Z., assignor.)
- Sprigg, Melvin B., Weston, W. Va. Hook and fastener. 1,778,611; Oct. 14.
- Spring, Fred L. V. (See Donovan, J. J., and Spring.)
- Spring, George B., West Newton, Mass. Pole reinforcement. 1,755,461; Apr. 22.
- Spring, Laverne W., assignor to Crane Co., Chicago, Ill. Apparatus for desulphurizing cast iron. 1,785,503; Dec. 16.
- Springem Overshoe Co. (See Valentine, K. L., and Ramsey, assignors.)
- Springer, Albert R., Wirt, Okla. Airplane lifter. 1,766,844; June 24.
- Springer, Franklin W., Minneapolis, Minn. Electrical system. 1,749,397; Mar. 4.
- Springer, John D., et al. (See Sykes, Thomas B., assignor.)
- Springer, Lewis A., Los Angeles, Calif. Disappearing safety traffic button. 1,777,585; Oct. 7.
- Springfield Leather Products Company, The. (See Lupfer, Robert N., assignor.)
- Springfield Metallic Casket Company, The. (See Henderson, Roe P., assignor.)
- Springfield Metallic Casket Company, The. (See Hiser, Charles H., assignor.)
- Springless Shade Company. (See Cordsen, Henry N., assignor.)
- Springstead, Ralph L. (See Johnson, Samuel W., assignor.)
- Springsteen, Luther W., Afton, assignor to National Hydrodriv Company, Binghamton, N. Y. Hydropump. 1,775,375; Sept. 9.
- Sprinkle, Lake H., Brooklyn, N. Y. Mold for forming artificial teeth and facings. 1,769,807; July 1.
- Sprise, Wilbert A., Wisconsin Rapids, Wis. Automatic paper feed and aligner. 1,746,131; Feb. 4.
- Sproesser, William C., and E. A. Lederer, East Orange, N. J., assignors to Westinghouse Lamp Company. Multifilament lamp. 1,760,667; May 27.
- Sprong, Severn D., Brooklyn, assignor to Engineering Products Corporation, Inc., New York, N. Y. Insulating joint. 1,751,665; Mar. 25.
- Spress, Hubert M., Poughkeepsie, assignor to Industrial Associates, Incorporated, New York, N. Y. Centrifugal apparatus. 1,779,296; Oct. 21.
- Sprowle, William J., Hudson, N. H. Gun rack. 1,757,600; May 6.
- Sprucolite Corporation. (See Ollesheimer, Lawrence J., assignor.)
- Spruill, Rudolph B. (See Achatz, John, assignor.)
- Sprung, Edwin G., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Drag-link connection. 1,747,741; Feb. 18.
- Sprunger, Jacob J., Fort Wayne, Ind. Wedge for tool handles. 1,786,636; Dec. 30.
- Spry, John W., Dallas, Tex. Apparatus for proportioning and mixing materials for concrete. 1,780,988; Nov. 11.
- Spun Steel Corporation, The. (See Harrison, Frank G., assignor.)
- Spun Steel Corporation, The. (See Nelson, Reynold G., assignor.)
- Spurck, Robert M., Llanerch, Pa., assignor to General Electric Company. Electrical conductor stud and making the same. 1,779,297; Oct. 21.
- Spurr, Robert E. (See Probert, S. C., and Spurr.)
- Square D Company. (See McNicol, Forrest C., assignor.)
- Square D Company. (See Van Valkenburg, Hermon L., assignor.)
- Squibb, E. R., & Son. (See Christiansen, W. G., Chappell, and Briod, assignors.)
- Squibb, E. R., & Sons. (See Andrews, Lionel T., assignor.)
- Squibb, E. R., & Sons. (See Faulkner, Ralph C., assignor.)
- Squibb, E. R., and Sons. (See Keelan, Harry S., assignor.)
- Squibb, E. R., and Sons. (See Riggs, Lloyd K., assignor.)
- Squibb, Lloyd Y., Camden, N. J., assignor to Victor Talking Machine Company. Combination talking machine and radio receiving device. 1,767,410; June 24.
- Squier, Bernice and B., Battle Creek, Mich. Toy. 1,753,320; Apr. 8.
- Squier, Blanche. (See Squier, Bernice and B.)
- Squier, George O., Washington, D. C. Apparatus for using telephone subscribers' loops for transmission and reception of broadcasting. 1,742,422; Jan. 7.
- Squier, Ralph A., Tieton, Wash. Box-lidding bench. 1,752,707; Apr. 1.
- Squier-Rix Company. (See Rix, Glenway M., assignor.)
- Squire, Mary E., Manitowoc, Wis. Spall-burning kiln. 1,783,632; Dec. 2.
- Squires, Arleigh N., Milan, Mich. Furniture. 1,757,398; May 6.
- Squires, Etta M., Amityville, N. Y. Wall plate for electric buttons. Des. 80,335; Jan. 14.
- Squires, Etta M., Amityville, N. Y. Toilet cabinet. Des. 81,784; July 29.
- Squires, Etta M., Amityville, N. Y. Vacuum cleaner. 1,748,853; Feb. 25.
- Squires, Etta M., Amityville, N. Y. Theater seat. 1,774,950; Sept. 2.
- Squires, John, Detroit, Mich. Separator. 1,742,671; Jan. 7.
- Squyars, Alexander E., assignor of one-half to T. O. McLendon, Valdosta, Ga. Diaphragm for sound-reproducing machines. 1,772,163; Aug. 5.
- Strack, George E., Tulsa, Okla. Silent friction-grip sash control. 1,746,447; Feb. 11.
- Srulowitz, Hermann, assignor to the firm of Alex. Friedmann, Vienna, Austria. Pipe coupling. 1,754,127; Apr. 8.
- Staake, Spencer O., assignor of one-half to R. W. Hutchens, Eau Claire, Wis. Rubber ice-cream shipper. 1,756,039; Apr. 29.
- Staalsyndicaat Dr. Ledebor II. (See Ledebor, Pierre H., assignor.)
- Staarup, Thomas, Birmingham, Ala. Gear-wheel-rounding apparatus. 1,749,787; Mar. 11.
- Staats-Oels, Rudolph C. G., Brooklyn, N. Y. Rotary engine. 1,772,090; Aug. 5.
- Stabernack, Georg and R., Offenbach-on-the-Main, Germany. Packing container. 1,750,545; Mar. 11.
- Stabernack, Richard. (See Stabernack, Georg and R.)
- Stabile, Michele, Milford, Mass. Sprue-forming device. 1,765,109; June 17.
- Stability Leather Goods Mfg. Co. (See Podmayer, Stephan, assignor.)
- Stäblein, Fritz, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Iron-nickel alloy. 1,760,326; May 27.
- Stacey, Alfred E., jr. (See Gamble, W. J., Stacey, and Thornton.)
- Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for cutting sheet stock. 1,760,019; May 27.
- Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-locating machine. 1,771,018; July 22.
- Stachelrodt, Fritz, Frankfurt-on-the-Main, Germany, assignor, by mesne assignments, to Trabo Metallic Joint Corporation, New York, N. Y. Apparatus for metal drawing. 1,747,999; Feb. 18.
- Stack, Elmer S., Somerville, Mass. Compound water heater. 1,774,041; Aug. 26.
- Stack, Emmet G., Marshfield, Oreg. Veneer stacker. 1,754,700; Apr. 15.
- Stack, Emmet G., Marshfield, Oreg. Recede and set works. 1,754,701; Apr. 15.
- Stack, George E., Ballston Spa, N. Y., assignor to General Electric Company. Electric switch and system of motor control employing the same. 1,776,136; Sept. 16.
- Stackhouse, George A., Oakland, Calif., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring structure for bed bottoms and the like. 1,757,266; May 6.
- Stackpole, Charles F., Lynn, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Staking machine. 1,744,420; Jan. 21.
- Stackpole, Leroy E., Sanford, Me. Collapsible book holder. 1,756,220; Apr. 29.
- Stacks, Homer, Detroit, Mich. Detachable vehicle top. 1,753,031; Apr. 1.

- Stacy, Leland J., Caldwell, and M. E. Krom, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,763,014; June 10.
- Stacy, Thomas F., assignor to The French Oil Mill Machinery Co., Piqua, Ohio. Press. 1,765,626; June 24.
- Stacy, Thomas F., assignor to The French Oil Mill Machinery Co., Piqua, Ohio. Hydraulic press and the like. 1,765,627; June 24.
- Stadden, William H., Springfield, Mass. Flush valve. 1,767,561; June 24.
- Stadelman, Edward S., Newark, N. J. Combined bearing and eccentric. 1,769,864; July 1.
- Stadler, Edward H., St. Louis, and G. E. Dillingham, Richmond Heights, Mo. Printer's chase for checks and the like. 1,782,587; Nov. 25.
- Staeger, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,743,246; Jan. 14.
- Staeger, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,746,618; Feb. 11.
- Staeger, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,763,199; June 10.
- Staeger, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,763,272; June 10.
- Staeger, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator. 1,764,362; June 17.
- Staeger, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,764,422; June 17.
- Staeger, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Winder-motor drive-control system. 1,768,939; July 1.
- Staeblin, Otto, Höchst-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Stable diazo salt preparation and preparing it. 1,744,149; Jan. 21.
- Staf, Axel H., assignor to The Alvin Corporation, Providence, R. I. Spoon or similar article. Des. 82,457; Nov. 4.
- Stafford, George A., and C. D. Cook, Sour Lake, Tex. Apparatus for treating crude petroleum. 1,749,235; Mar. 4.
- Stafford, James G. (See Herthel, E. C., Pelzer, and Stafford.)
- Stafford, James G. (See Phillips, E. B., and Stafford.)
- Stafford, Norman, and E. E. Walker, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of phenolic resins. 1,776,202; Sept. 16.
- Stafford, Norman, and E. E. Walker, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of phenolic resins. 1,776,203; Sept. 16.
- Stafford, Rogers T. (See Ballou, F. A., and Stafford.)
- Stafford, Rogers T., East Providence, assignor to B. A. Ballou & Co., Inc., Providence, R. I. Pin stem. 1,781,737; Nov. 18.
- Stafford, Stephen B. (See Smith, H. A., Thomson, and Stafford.)
- Stafford, Wilfred, Herne Hill, London, England. Electric sign controller. 1,777,949; Sept. 16.
- Stäger, Max. (See Reiter, C., and Stäger.)
- Stahl, Frank E., assignor to The Columbus-McKinnon Chain Corporation, Tonawanda, N. Y. Cross chain for antiskid devices. 1,786,318; Dec. 23.
- Stahl, Karl, Friedrichshafen, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Air propeller. 1,742,792; Jan. 7.
- Stahl, Rodolphe. (See Weaver, J. B., Stahl, and Wagner.)
- Staib, Karl, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of anhydrous magnesium chloride. 1,749,854; Mar. 11.
- Staib, Karl, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Carrying out exothermic reactions. 1,764,582; June 17.
- Staiger, Ludwig, Spandau, near Berlin, assignor to the firm Rohrbach Metall-Flugzeugbau, G. m. b. H., Berlin, Germany. Manufacture of wedge-shaped hollow bodies. 1,784,501; Dec. 9.
- Stainbrook, William H., Winfield, Kans., assignor of one-half to L. J. Mildren, Ponca City, Okla., and one-half to W. E. Cox, Winfield, Kans. Force-feed lubricator. 1,748,428; Feb. 25.
- Staines, Frank, London, England. Device for cleaning and washing crockery and the like. 1,782,018; Nov. 18.
- Stakel, John P. (See Davis, R. L., and Stakel.)
- Staker, William J., Cairo, N. Y. Automobile gas-throttle control. 1,768,380; June 24.
- Stalb, Arthur R., jr., Farmingdale, N. Y. Detachable ski. 1,745,126; Jan. 28.
- Stalder, Louis, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,764,363; June 17.
- Stalder, Merle D., assignor of one-fourth to J. F. Caffrey, Cleveland, Ohio. Trolley bearing. 1,760,020; May 27.
- Staley, Alonzo D., Pleasant Ridge, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Drying machine. 1,765,628; June 24.
- Staley, Alonzo D., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Laundry apparatus. 1,780,210; Nov. 4.
- Staley, Burton A., Orange, Calif. Article-serving apparatus for stores. 1,773,885; Aug. 26.
- Staley, Guy W., Robbinsdale, Minn. Machine for printing photographs. 1,758,588; May 13.
- Staley, Harry E., Rochester, N. Y. Garment hanger and stretcher. 1,756,221; Apr. 29.
- Staley, Miles E., assignor to Red Spot Electric Company, Tacoma, Wash. Electric water heater. 1,754,580; Apr. 15.
- Staley, Wayne D., assignor to Burgess Battery Company, Madison, Wis. Dry cell. 1,760,090; May 27.
- Stalker, Edward A., Ann Arbor, Mich. Engine. 1,753,759; Apr. 8.
- Stall, William S., Wilmerding, assignor to Railway Maintenance Corporation, Pittsburgh, Pa. Ballast-cleaning machine. 1,743,833; Jan. 14.
- Stallan, William J., Cambridge, England, assignor to Cambridge Instrument Company, Limited, London, England. Measuring or detecting device. 1,782,151; Nov. 18.
- Stallings, Harry, Boston, Mass. Attachment for headlight lamps. 1,766,696; June 24.
- Stallmann, Otto. (See Gubelmann, I., Weiland, and Stallmann.)
- Stamas, Christ K., Detroit, Mich. Cigarette-dispensing machine. 1,746,501; Feb. 11.
- Stamberg, Frank F., Cicero, Ill., assignor to Standard Oil Company, Whiting, Ind. Drawing lubricant. 1,781,607; Nov. 11.
- Staminart Corporation, The. (See Stephens, Noble E., assignor.)
- Stamm, Alfred H., Peoria, Ill. Building block or tile. 1,771,275; July 22.
- Stampen, Jacob J., assignor to Babson Manufacturing Corporation, Chicago, Ill. Teat cup. 1,786,786; Dec. 30.
- Stamper, Columbus. (See Bugbee, Charles L., assignor.)
- Stamper, Harvey H., assignor of one-half to N. W. Burgess, Lexington, Va. Life-saving device for submarines. 1,777,184; Sept. 30.
- Stampfly, Roy, Lansing, Mich. Bean rake and buncher. 1,754,337; Apr. 15.
- Stanbery, Lloyd J., and N. T. Branche, assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Track for use in furnaces. 1,753,220; Apr. 8.
- Stancill, Robert B., Dalton, Ga. "Jerked in" filling eliminator. 1,782,749; Nov. 25.
- Stancliff, Fay L., Houston, Tex. Tool. 1,773,637; Aug. 19.
- Stancliffe, Cecil W., Aldwych, London, England. Heat-exchange apparatus. 1,769,808; July 1.
- Stancliffe, Cecil W., Aldwych, London, England. Boiler and furnace. 1,782,635; Nov. 25.
- Stanco, George, Hamilton, Ontario, Canada. Float-operated valve. 1,746,619; Feb. 11.
- Standard Brands Incorporated. (See Barrington, John H., assignor.)
- Standard Brands Incorporated. (See Brown, E. B., Frey, and Harkins, assignors.)
- Standard Brands Incorporated. (See Bunge, R. W., and Das, assignors.)
- Standard Brands Incorporated. (See Hamburger, R., and Kaesz, assignors.)
- Standard Brands Incorporated. (See Harrison, Arthur P., assignor.)
- Standard Brands, Incorporated. (See Hixson, A. W., and Hugoson, assignors.)
- Standard Brands Incorporated. (See Jacobsen, Kai A., assignor.)
- Standard Brands Incorporated. (See Koepke, Henry G., assignor.)
- Standard Calorimeter Co., The. (See Parr, H. L., and Nelsen, assignors.)
- Standard Cap & Seal Corporation. (See Tevander, Olof N., assignor.)
- Standard Car Truck Company. (See Barber, F. L., and Webb, assignors.)
- Standard Car Truck Company. (See Barber, L. W., and Webb, assignors.)
- Standard Carriage Works, Inc. (See Giltisch, J., and Schorsch, assignors.)
- Standard, Charles H., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. 1,770,952; July 22.
- Standard Computing Scale Company, The. (See Jaenichen, Louis, assignor.)
- Standard Corset Company, The. (See Von Halle, Mildard, assignor.)
- Standard Coupler Company. (See Goodwin, Ernest G., assignor.)
- Standard Crayon Manufacturing Company. (See Johnson, Arthur, assignor.)
- Standard Devices, Inc. (See Berman, Otto N., assignor.)
- Standard Die and Tool Company. (See Wise, Roy T., assignor.)
- Standard Electric Manufacturing Co., The. (See Parker, Thomas L., assignor.)
- Standard Electric Time Company. (See Kenerson, Stanley M., assignor.)
- Standard Electric Time Co., The. (See McKennon, W. F., and Berk, assignors.)
- Standard Electric Time Company. (See Penerson, Stanley M., assignor.)

- Standard Engineering Works, The. (See Mills, Bertram M., assignor.)
- Standard Equipment Co. Inc., The. (See Dreisbach, Charles A., assignor.)
- Standard Gage Company. (See Ruf, Christian E., assignor.)
- Standard Gas Equipment Corporation. (See O'Dowd, Henry W., assignor.)
- Standard Gas Equipment Corporation. (See Phillips, Ross M. G., assignor.)
- Standard-Johnson Company. (See Donnellan, Edward P., assignor.)
- Standard Lock and Measure Corporation. (See Malluk, Assad M., assignor.)
- Standard Looms, Inc. (See Northrop, Jonas, assignor.)
- Standard Manufacturing Company, The. (See Marson, Clifford J., assignor.)
- Standard Mirror Company. (See La Hodny, William, assignor.)
- Standard Mirror Company. (See Weir, J. B., and Bertell, assignors.)
- Standard Modern Printing Co. (See Brooks, C. P., jr., and Kovner, assignors.)
- Standard Neckwear Company. (See Weinstein, Otto, assignor.)
- Standard Novelty & Lamp Company. (See Stone, Harry, assignor.)
- Standard Oil Company. (See Anderson, Lossie E., assignor.)
- Standard Oil Company. (See Atwell, Harold V., assignor.)
- Standard Oil Company. (See Bachelder, William H., assignor.)
- Standard Oil Company. (See Bablke, William H., assignor.)
- Standard Oil Company. (See Bartels, Edward E., assignor.)
- Standard Oil Company. (See Cooke, T. S., and Rouse, assignors.)
- Standard Oil Company. (See Farrell, James W., assignor.)
- Standard Oil Company. (See Humphreys, Robert E., assignor.)
- Standard Oil Company. (See Lambert, Joseph H., assignor.)
- Standard Oil Company. (See Lane, R. S., and Montgomery, assignors.)
- Standard Oil Company. (See Lowery, Hugh, assignor.)
- Standard Oil Company. (See McLaughlin, William I., assignor.)
- Standard Oil Company. (See Miller, Clarke C., assignor.)
- Standard Oil Company. (See Moore, John E., assignor.)
- Standard Oil Company. (See Naef, Donald L., assignor.)
- Standard Oil Company. (See Rogers, Thomas H., assignor.)
- Standard Oil Company. (See Schnetzler, Harry G., assignor.)
- Standard Oil Company. (See Stamberg, Frank F., assignor.)
- Standard Oil Company. (See Sullivan, Frederick W., jr., assignor.)
- Standard Oil Company. (See Sweeny, Perry J., assignor.)
- Standard Oil Company. (See Vandever, Perry O., assignor.)
- Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
- Standard Oil Company. (See Watts, George W., assignor.)
- Standard Oil Company. (See Watts, G. W., Krauel, and Stockdale, assignors.)
- Standard Oil Company. (See Wilson, Robert E., assignor.)
- Standard Oil Company. (See Wilson, R. E., and Bablke, assignors.)
- Standard Oil Company. (See Wood, W. E., and Bachelder, assignors.)
- Standard Oil Company of California. (See Bessonett, Leland S., assignor.)
- Standard Oil Company of California. (See Danner, P. S., and Muth, assignors.)
- Standard Oil Company of California. (See Doell, T. W., and Klemgard, assignors.)
- Standard Oil Company of California. (See Faber, J. F., and Chappell, assignors.)
- Standard Oil Company of California. (See Farrington, Bruce B., assignor.)
- Standard Oil Company of California. (See Halloran, R. A., Davis, and Davidson, assignors.)
- Standard Oil Company of California. (See Johnson, Sidney P., assignor.)
- Standard Oil Company of California. (See Maker, F. L., Cooley, and Tuttle, assignors.)
- Standard Oil Company of California. (See McLaughlin, William I., assignor.)
- Standard Oil Company of California. (See Parker, Charles K., assignor.)
- Standard Oil Company of California. (See Scharpenberg, Charles C., assignor.)
- Standard Oil Company of California. (See Strout, Archie L., assignor.)
- Standard Oil Company of California. (See Turner, Alfred J., assignor.)
- Standard Oil Company of California. (See Ziser, G. J., and Osmer, assignors.)
- Standard Oil Co. of Indiana. (See Watts, George W., assignor.)
- Standard Oil Company of New York. (See Harding, Jay B., assignor.)
- Standard Oil Company of New York. (See Rather, J. B., and Beard, assignors.)
- Standard Oil Development Company. (See Becker, A. E., and Sloane, assignors.)
- Standard Oil Development Company. (See Bimel, Frederick B., assignor.)
- Standard Oil Development Company. (See Burgess, L., and Buc, assignors.)
- Standard Oil Development Company. (See Carver, Benjamin F., assignor.)
- Standard Oil Development Company. (See Coffin, Herbert B., assignor.)
- Standard Oil Development Company. (See Evans, Earle W., assignor.)
- Standard Oil Development Company. (See Fischer, Herbert G. M., assignor.)
- Standard Oil Development Company. (See Garner, James B., assignor.)
- Standard Oil Development Company. (See Gomory, William L., assignor.)
- Standard Oil Development Company. (See Goodwin, Ralph T., assignor.)
- Standard Oil Development Company. (See Grant, Dudley H., assignor.)
- Standard Oil Development Company. (See Harrison, John S., assignor.)
- Standard Oil Development Company. (See Haupt, Charles H., assignor.)
- Standard Oil Development Company. (See Hewetson, Henry H., assignor.)
- Standard Oil Development Company. (See Hopkins, Marion B., assignor.)
- Standard Oil Development Company. (See Howard, Frank A., assignor.)
- Standard Oil Development Company. (See Hunn, Edward B., assignor.)
- Standard Oil Development Company. (See Johns, Carl O., assignor.)
- Standard Oil Development Company. (See Kiss, Stephen A., assignor.)
- Standard Oil Development Company. (See Lavirotte, Francois, assignor.)
- Standard Oil Development Company. (See Lewis, Warren K., assignor.)
- Standard Oil Development Company. (See Lewis, W. K., and Loomis, assignors.)
- Standard Oil Development Company. (See Link, Louis, assignor.)
- Standard Oil Development Company. (See Loomis, Nathaniel E., assignor.)
- Standard Oil Development Company. (See Loomis, N. E., and Lewis, assignors.)
- Standard Oil Development Company. (See Loomis, N. E., Tomlinson, and Howard, assignors.)
- Standard Oil Development Company. (See Martinez, Felix J., assignor.)
- Standard Oil Development Company. (See Meacham, M. R., and Seeland, assignors.)
- Standard Oil Development Company. (See Rudigier, Edward A., assignor.)
- Standard Oil Development Company. (See Shaner, G. A., Damp and Donovan, assignors.)
- Standard Oil Development Company. (See Stratford, Reginald K., assignor.)
- Standard Oil Development Company. (See Verner, Jules, assignor.)
- Standard Oil Development Company. (See Ward, Clarence A., assignor.)
- Standard Oil Development Company. (See Weller, D. R., and Link, assignors.)
- Standard Oil Development Company. (See Wiess, Harry C., assignor.)
- Standard Oil Development Company. (See Zaikowsky, Vladimir M., assignor.)
- Standard Patent Process Corporation. (See Conant, Leon B., assignor.)
- Standard Pressed Steel Company. (See Hallowell, Howard T., assignor.)
- Standard Products Corporation. (See Whatmough, William H., assignor.)
- Standard Pyroxoloid Corporation. (See Lane, William H., assignor.)
- Standard Radial Blast Corporation. (See Dreisbach, Charles A., assignor.)
- Standard Register Company, The. (See Metzner, Albert W., assignor.)
- Standard Register Company, The. (See Sherman, John Q., assignor.)
- Standard Register Company, The. (See Sherman, J. Q., and Metzner, assignors.)
- Standard Road Maintenance Company. (See Wheeler, Earl A., assignor.)
- Standard Sanitary Manufacturing Company. (See Reed, Henry M., assignor.)
- Standard Sanitary Manufacturing Company. (See Robertson, Elmer K., assignor.)
- Standard Sanitary Manufacturing Company. (See Sakier, George, assignor.)
- Standard Sanitary Manufacturing Company. (See Trout, Harry R., assignor.)

- Standard Sealing Equipment Corporation. (See Schroeder, Arthur C., assignor.)
- Standard Sealing Equipment Corporation. (See Schroeder, A. C., and Kimball, assignors.)
- Standard Self-Lock Nut Company. (See McCollom, William R., assignor.)
- Standard Steel and Bearings Incorporated. (See Hodge, George O., assignor.)
- Standard Steel Car Corporation. (See Christianson, Andrew, assignor.)
- Standard Steel Spring Company. (See Schoonmaker, James M., jr., assignor.)
- Standard Stoker Company, The. (See Hogg, Francis, assignor.)
- Standard Stoker Company, The. (See Hunt, Andrew M., assignor.)
- Standard Stoker Company, The. (See Ichter, John H., assignor.)
- Standard Stoker Company, The. (See Lower, N. M., Crawford, and Turner, assignors.)
- Standard Stoker Company, The. (See Lower, N. M., Osborne, and Turner, assignors.)
- Standard Stoker Company, The. (See Pickard, Frank C., assignor.)
- Standard Stoker Company, The. (See Roesch, Frank P., assignor.)
- Standard Stoker Company. (See Roesch, F. P., Hopper, and Hunt, assignors.)
- Standard Stoker Company, The. (See Ryan, E., and Funk, assignors.)
- Standard Stoker Company, The. (See Turner, Edwin A., assignor.)
- Standard Stoker Company Inc., The. (See Chalker, A. R., and Turner, assignors.)
- Standard Stoker Company Inc. (See Lower, Nathan M., assignor.)
- Standard Stoker Company Inc., The. (See Lower, N. M., Chalker, and McCurdy, assignors.)
- Standard Stoker Company Inc., The. (See Lower, N. M., Kusebauch, and Chalker, assignors.)
- Standard Stoker Company Inc., The. (See Lower, N. M., and Turner, assignors.)
- Standard Stoker Company Inc., The. (See Turner, Edwin A., assignor.)
- Standard Stoker Company Inc., The. (See Woodbridge, Howard C., assignor.)
- Standard Textile Products Company. (See Dieck, Henry W., assignor.)
- Standard Tobacco Steamer Company. (See Bronander, Wilhelm B., assignor.)
- Standard Tool Co., The. (See Bascom, Thomas D., assignor.)
- Standard Traffic Marker Company, The. (See Hines, William A., assignor.)
- Standard-Trump Bros. Machine Company. (See Gallagher, Charles B., assignor.)
- Standard-Trump Bros. Machine Company. (See Houseman, Harold E., assignor.)
- Standard-Trump Bros. Machine Company. (See Kappes, George W., assignor.)
- Standard Trump Bros. Machine Company. (See Lansdown, Norman D., assignor.)
- Standard-Trump Bros. Machine Company. (See Shelmire, Stanlev R., assignor.)
- Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Turbine-regulating means. 1,759,763; May 20.
- Standfuss, Ernest R., assignor to Harnischfeger Corporation, Milwaukee, Wis. Stump puller. 1,764,905; June 17.
- Standfuss, Ernest R., assignor to Harnischfeger Corporation, Milwaukee, Wis. Excavator tooth. 1,767,713; June 24.
- Standifer, Morris E. (See Allen, W. H., and Standifer.)
- Standish, Edward K., assignor to Hartford Special Machinery Company, Hartford, Conn. Variable-speed transmission. 1,762,199; June 10.
- Standish, Edward K., Hartford, Conn., assignor to Graton & Knight Company, Worcester, Mass. Thickness gauging and stamping machine. 1,766,726; June 24.
- Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail-transferring mechanism. 1,759,174; May 20.
- Standish, Leo V., Gardiner, Me. Nonskid chain for automobiles. 1,743,497; Jan. 14.
- Standlee, Harvey R., assignor of one-fourth to P. Arbon, Tulsa, Okla. Swab. 1,743,937; Jan. 14.
- Standlee, Harvey R., Tulsa, Okla., assignor to The Gulberon Corporation, Dallas, Tex. Packer. 1,777,021; Sept. 30.
- Stanfield, James H., assignor of one-fourth to A. H. Walker, one-fourth to O. A. Coleman, and one-fourth to T. A. Coleman, Kaufman, Tex. Automatic fade signal for motion-picture reels. 1,774,298; Aug. 26.
- Stanfield, Jasper H., Muskegon, Mich. Piston ring. 1,749,894; Mar. 11.
- Stanfield, William R., Union, Iowa. Supporting and driving attachment for tractor-operated corn harvesters. 1,755,524; Apr. 22.
- Stanfill, Clark C., et al. (See Hammons, Edward, assignor.)
- Stanford, Arthur L., Libertyville, Ill. Nut lock. 1,773,286; Aug. 19.
- Stanford, Forrest G. (See Glaze, H. L., and Stanford.)
- Stanford, Forrest G., and G. Baker; said Baker assignor to G. H. Hyland, Los Angeles, Calif. Liquid-display apparatus. 1,782,943; Nov. 25.
- Stanford, Forrest G., and G. Baker; said Baker assignor to G. H. Hyland, Los Angeles, Calif. Liquid-display fountain. 1,782,944; Nov. 25.
- Stanford, Forrest G., Los Angeles, and H. L. Glaze, South Pasadena, assignors to The Hyland Stanford Company, Inc., Los Angeles, Calif. Advertising device. 1,745,649; Feb. 4.
- Stanford, Forrest G., Los Angeles, and H. L. Glaze, South Pasadena; said Glaze assignor of entire right to G. E. Hyland, Los Angeles, Calif. Liquid display and dispensing apparatus. 1,754,531; Apr. 15.
- Stanford, Ralph B., Baltimore, Md., assignor to Z. I. Stanford, Shrewsbury, Pa. Sharpener tool for razor blades. 1,743,086; Jan. 7.
- Stanford, Ralph B., Baltimore, Md., assignor to Z. I. Stanford, Shrewsbury, Pa. Sharpener for razor blades. 1,776,642; Sept. 23.
- Stanford, Zerva I. (See Stanford, Ralph B., assignor.)
- Stang, Henry A., Minneapolis, Minn. Brush holder. 1,764,763; June 17.
- Stange, Charles L., St. Louis, Mo. Badge. Des. 81,419; June 17.
- Stange, Charles L., St. Louis, Mo., assignor to W. M. Sexson, McAlester, Okla. Emblem. Des. 82,006; Sept. 9.
- Stange, Louis, Sommerda, assignor to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Trigger apparatus for the single and continuous fire of automatic firearms. 1,753,072; Apr. 1.
- Stange, Louis, Sommerda, assignor to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Automatic firearm. 1,755,034; Apr. 15.
- Stanger, Edward A., assignor of one-half to A. Schwartz, Montreal, Quebec, Canada. Electric heating device. 1,750,495; Mar. 11.
- Stanger, Herman C., Fort Ann, N. Y. Signal and communication mechanism for sunken submarines. 1,753,139; Apr. 1.
- Stanger, Morris, New York, N. Y. Waterproof muff and school bag. 1,745,590; Feb. 4.
- Staniolfabrik Burgdorf A. G. (See Humpert, Karl, assignor.)
- Stanitz, Jacques, assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Casing for an oil pump. Des. 82,458; Nov. 4.
- Stanley, Albert, Newton, Ill. Doll. Des. 81,763; Aug. 5.
- Stanley, Andrew B. S., Moreland, Melbourne, Victoria, Australia. Massaging device. 1,755,936; Apr. 22.
- Stanley, Charles E., Glendale, Calif. Washing machine. 1,755,341; Apr. 22.
- Stanley, Charlotte, Detroit, Mich. Soap container. 1,743,905; Jan. 14.
- Stanley, Ernest J., El Tigre, Mexico. Instrument for use in solving fault problems. 1,773,886; Aug. 26.
- Stanley, Fred D., Three Rivers, Mich., assignor to Fairbanks, Morse & Co. Stuffing box. 1,765,629; June 24.
- Stanley, Fred D., Coffeyville, Kans., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pump cylinder. 1,768,799; July 1.
- Stanley, George C., New York, N. Y., assignors to The M. W. Kellogg Company. Gas-oil separator. 1,757,267; May 6.
- Stanley, George F., assignor to The Stanley Manufacturing Company, Dayton, Ohio. Label. Des. 81,213; May 20.
- Stanley, George F., assignor to The Stanley Manufacturing Company, Dayton, Ohio. Label. Des. 81,672; July 22.
- Stanley, Harry E. (See Livingstone, James, assignor.)
- Stanley, Howard and R. Dunbar, W. Va. Valve for air gauges. 1,785,658; Dec. 16.
- Stanley, Joseph W., Johnstown, Pa. Switch stand. 1,760,790; May 27.
- Stanley, Joseph W., Johnstown, Pa. Switch stand. 1,760,791; May 27.
- Stanley, Leopold G., Maplewood, N. J., assignor to Stanley & Stanley, Incorporated, New York, N. Y. Combination case. 1,758,297; May 13.
- Stanley Manufacturing Company, The. (See Stanley, George F., assignor.)
- Stanley & Patterson, Inc. (See Albright, F., and Elsassner, assignors.)
- Stanley, Richard W. (See Merritt, Louis G. and E. H., and Stanley.)
- Stanley, Rufus. (See Stanley, Howard and R.)
- Stanley & Stanley, Incorporated. (See Stanley, Leopold, assignor.)
- Stanley, Stanley J. (See Broadhurst, Jean, assignor.)
- Stanley, Stanley J., New York, N. Y. Closure for bottles or bags. 1,754,776; Apr. 15.
- Stanley, Walter, Luttreth, England. Fishing reel. 1,755,195; Apr. 22.
- Stanley, William L., et al. (See Gignac, Earle C., assignor.)
- Stanley Works, The. (See Bodmer, Christian, assignor.)
- Stanley Works, The. (See Rowtell, Roy F., assignor.)
- Stanley Works, The. (See Crowe, John M., assignor.)
- Stanley Works, The. (See Murdoch, Walter B., assignor.)
- Stanley Works, The. (See Prindle, Frank P., assignor.)
- Stanley Works, The. (See Raymond, Horace H., assignor.)
- Stanley Works, The. (See Waller, John A., assignor.)

- Stannard, Bruce M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Folding chair. 1,746,684; Feb. 11.
- Stannard, Bruce M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Metal-chair upholstery. 1,774,190; Aug. 26.
- Stannard, Bruce M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Panel upholstery and applying same. 1,774,191; Aug. 26.
- Stansbury, Carroll. (See Mortensen, N. L., and Stansbury.)
- Stansel, Bert, Gueydan, La. Raising rice. 1,770,867; July 15.
- Stansell, Marion L., et al. (See Gregovsky, Joseph A., assignor.)
- Stansfield, Alfred, Westmount, Quebec, Canada. Electric furnace. 1,748,805; Feb. 25.
- Stansfield, Emilio, Bergamo, and E. Brunner, Milan, Italy. Drawing frame. 1,782,549; Nov. 25.
- Stanton, Edgar L., Union County, Ind. Traffic stop. 1,786,678; Dec. 30.
- Stanton, Emroy E., Huntington, Mass., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Lamp replacer. 1,748,251; Feb. 25.
- Stanton, Henry L., Pitman, N. J., and A. M. Crawford, Ardmore, Pa. Electrical connector. Re17,828; Oct. 14.
- Stanton, Jordan D., Berkeley, assignor of one-half to I. G. Krieger, Lodi, Calif. Collapsible cover. 1,749,165; Mar. 4.
- Stanton, Willard J., assignor, by mesne assignments, to American Electric Company, Inc., Chicago, Ill. Protective device. 1,750,909; Mar. 18.
- Stanton, Willard J., and H. A. Gosling, assignors, by mesne assignments, to American Electric Company, Inc., Chicago, Ill. Portable telephone set. 1,766,960; June 24.
- Stapel, Justin P., Owen, Wis. Manure loader. 1,758,014; May 13.
- Stapelle, Joseph, Brussels, assignor to P. Meunier, Fleurus, Belgium. Carburetor. 1,781,087; Nov. 11.
- Staples, Eugene A., Brooklyn, N. Y. Floor outlet. 1,767,323; June 24.
- Staples, Harry O. (See Chance, T. M., and Staples.)
- Staples, Henry W., New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company. Bulb holder for flash lights. 1,771,002; July 22.
- Staples, Horace A., Plainfield, N. J., assignor to National Electric Products Corporation, New York, N. Y. Condenser-tube fastening. 1,742,793; Jan. 7.
- Staples, Oscar C., Tulsa, Okla. Rod clamp. 1,778,233; Oct. 14.
- Staples Studio, Incorporated. (See Roach, Otto, assignor.)
- Staples, Thomas E., Burkeville, Va. Neckband. 1,758,766; May 13.
- Stapleton, William J., Minneapolis, Minn. Floatable-record-instrument lock. 1,767,192; June 24.
- Stapp, Sidney A., Louisville, Ky. Photolithographing process. 1,767,414; June 24.
- Star Chandelier Co. (See Hoch, George, assignor.)
- Star Chandelier Co. (See Kappler, Laurence, H., assignor.)
- Star Drilling Machine Company, The. (See Heinlsh, George, assignor.)
- Star Specialty Mfg. Company. (See Renwick, Herbert P., assignor.)
- Star Sprinkler Corporation. (See Griffith, William B., assignor.)
- Starbuck, Roy O. (See Scrivner, J. D., and Starbuck.)
- Starcher, Ferrel J. (See McNabb, W. R., Farley, and Starcher.)
- Stark, Hans, Berlin-Hermsdorf, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Angle piece for dental purposes comprising a handle sleeve. 1,774,733; Sept. 2.
- Stark, William A., assignor to Badger Manufacturing Corporation, Milwaukee, Wis. Automobile bumper. 1,757,268; May 6.
- Stark, William A., assignor to Badger Manufacturing Corporation, Milwaukee, Wis. Automobile bumper. 1,757,749; May 6.
- Staring, William H., Willoughby, Ohio, assignor to Automatic Registering Machine Company, Inc. Curtain-closure device. 1,747,089; Feb. 11.
- Stark, Frank R., Chicago, Ill. Ventilator. 1,742,290; Jan. 7.
- Stark, Hans, Berlin-Charlottenburg, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Hand or angle piece for dental purposes. 1,753,352; Apr. 8.
- Stark, Harold. (See Heames, R. M., Lindquist, and Stark.)
- Stark, John W. (See Morgan, O., and Stark.)
- Stark, Joseph H., Passaic, assignor to United Piece Dye Works, Lodi, N. J. Photographic method of producing intaglio-printing cylinders. 1,777,133; Sept. 30.
- Stark, Sander, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projecting apparatus. 1,750,910; Mar. 18.
- Stark, Shelida, P., Ottosen, Iowa. Operating mechanism for box-car doors. 1,743,247; Jan. 14.
- Stark, Shelida P., Ottosen, Iowa. Box-car-door opener. 1,743,248; Jan. 14.
- Stark, Shelida P., Ottosen, Iowa. Door opener for box cars. 1,743,249; Jan. 14.
- Starkenstein, Emil, Prague, Czechoslovakia, assignor to the firm Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Pharmaceutical product and making same. 1,786,873; Dec. 30.
- Starker, Henry, Jersey City, N. J. Extensible table. 1,777,683; Oct. 7.
- Starkey, William C., Allisonville, assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Spring clutch. 1,762,799; June 10.
- Starkweather, George B., assignor to P. Starkweather, trustee, Washington, D. C. (See Stark weather, George B., assignor.)
- Starkweather-Snook Corporation. (See Snook, Earnest R., assignor.)
- Starnor, Otis H., Carlisle, Pa. Arch-supporting pad for shoes. 1,770,184; July 8.
- Starner, Victor, E., Bell, Calif. Towel bar. 1,775,919; Sept. 16.
- Starr, Alden B., Brooklyn, N. Y., assignor to Knapp-Monarch Company. Toaster. Des. 82,890; Oct. 14.
- Starr, Frank F., assignor to Delco-Light Company, Dayton, Ohio. Electrical generating system. 1,768,641; July 1.
- Starr, Morton H., Highland Park, Mich. Balance indicator for platform scales. 1,764,537; June 17.
- Starr, Morton H., assignor to The Howe Scale Company, Rutland, Vt. Railway-track scale. 1,753,097; Apr. 1.
- Starr, Raynor F., et al. (See Olson, Samuel, assignor.)
- Starr Silk Company. (See Reimard, H. R., and Starr, assignors.)
- Starr, Vaughan A. (See Reimard, H. R., and Starr.)
- Starrett, L. S., Company, The. (See Amsden, Albert W., assignor.)
- Starrett, L. S., Company, The. (See Rehm, Harry C., assignor.)
- Starrett, Wendelin D., Alameda, Calif. Cable cutter. 1,743,404; Jan. 14.
- Starrett, Wendelin D., Alameda, Calif. Cable cutter. 1,769,001; July 1.
- Starrett, Wendelin D., Alameda, Calif. Transmission gearing. 1,786,319; Dec. 23.
- Starriett, Jack C., Gallup, N. Mex. Door and window casing. 1,785,793; Dec. 23.
- Startomatic Corporation, The. (See Lochr, L. K., and Burdick, assignors.)
- Startup, G. G., et al. (See Hillier, Seymour W., assignor.)
- Staser, Miley J., Puerto Mexico, Mexico. Liner puller for hydraulic pumps. 1,754,059; Apr. 8.
- State Electrotechnical Trust. (See Kanter, Abram S., assignor.)
- State Import and Export Trading Office "Gostorg." (See Kisilitzin, Stephen, assignor.)
- State of Minnesota, The. (See Ross, Thomas E., assignor.)
- State, Will C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-lining machine. 1,750,437; Mar. 11.
- State, Will C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-building machine. 1,785,659; Dec. 16.
- Statham, Noel. (See Schachat, Abraham B., assignor.)
- Statham, Noel, Irvington, N. Y. Fastener-operating means. 1,779,515; Oct. 28.
- Statham, Noel, Irvington-upon-Hudson, N. Y. Fabricating fastener-operating means and blanks therefor. 1,761,805; June 3.
- Statham, Noel, Irvington-upon-Hudson, N. Y. Spring-fastening device and operating the same. 1,765,034; June 17.
- Statham, Noel, Irvington-upon-Hudson, N. Y. Flexible fastening device. 1,783,550; Dec. 2.
- Stationers Loose Leaf Co. (See Lotter, Adolph G., assignor.)
- Statler, Charles F., Wallace, Idaho. Miner's lamp. 1,743,166; Jan. 14.
- Staton, John C., assignor to The Coca-Cola Company, Atlanta, Ga. Refrigerator. Des. 80,641; Mar. 4.
- Stator Refrigeration, Inc. (See Weaver, Eastman A., assignor.)
- Stator Refrigeration, Inc. (See Whitney, Lyman F., assignor.)
- Statter, Estella, Sioux City, Iowa. Sanitary-napkin belt. 1,782,152; Nov. 18.
- Stattmann, John. (See Pohlmann, G., and Stattmann.)
- Staud, Cyril J. (See Webber, C. S., and Staud.)
- Staud, Cyril J., assignor to Eastman Kodak Company, Rochester, N. Y. Spray drying cellulose-acetate solutions. 1,762,937; June 10.
- Staupe, Edwin G., Minneapolis, Minn. Automatic brake control for power-propelled vehicles. 1,785,052; Dec. 16.
- Staudinger, Hermann, Freiburg, Germany, and T. Reichstein, Zurich, Switzerland, assignors to the Firm Inga Internationale Nahrungs- und Genussmittel Aktien-gesellschaft, Schaffhausen, Germany. Producing mercaptans of the furfuryl series. 1,748,527; Feb. 25.
- Staunton, Le Roy W., assignor of one-half to S. Bourne, New York, N. Y. Sound-reproducing apparatus. 1,756,838; Apr. 29.
- Staup, Peter C., Sheffield, Ala. Separating and grading machine. 1,755,277; Apr. 22.
- Stauter, Edwin, and L. N. Kimerer, Paris, Tex., assignors to Ames Shovel & Tool Company, Boston, Mass. Making shovel handles. 1,774,770; Sept. 2.
- Stauverman, Edward, Lakeland, Fla. Weed cutter. 1,784,163; Dec. 9.

- Staveley, Walter D. (See Ross, R. B., jr., and Staveley.)
 Staver, Harry B. (See Mitchell, L. E., Connors, and Pineles, assignors.)
 Staver, Harry B. (See Pineles, Solomon M., assignor.)
 Staver, Harry B. (See White, John F., assignor.)
 Stavracos, George J., New York, N. Y. Automatic electric plug. 1,770,715; July 15.
 Stay, Peter, Reedley, Calif. Mail box. 1,759,667; May 20.
 Stay, Theron D., Cleveland, and W. Holzhauer, Lakewood, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Forming ingots for working. 1,777,657; Oct. 7.
 Stay, Theron D., Cleveland, and W. Holzhauer, Lakewood, Ohio, assignors to American Magnesium Corporation, Niagara Falls, N. Y. Forming magnesium ingots for working. 1,777,658; Oct. 7.
 Stay, Theron D., Cleveland, and W. Holzhauer, Lakewood, Ohio. Forming zinc ingots for working. 1,777,659; Oct. 7.
 Staynew Filter Corporation. (See Dollinger, Lewis L., assignor.)
 Steadfast Manufacturing Company. (See Thompson, Eugene A., assignor.)
 Steam Pressing Iron Company. (See Clark, Frederick J., assignor.)
 Steam Vehicle Corporation of America. (See White, Raymond E., assignor.)
 Stearman Aircraft Company, The. (See Stearman, Lloyd, assignor.)
 Stearman, Lloyd, assignor to The Stearman Aircraft Company, Inc., Wichita, Kans. Dolly. 1,754,407; Apr. 15.
 Stearman, Lloyd, assignor to The Stearman Aircraft Company, Inc., Wichita, Kans. Air-intake heater. 1,757,488; May 6.
 Stearman, Lloyd, assignor to The Stearman Aircraft Company, Inc., Wichita, Kans. Airplane. 1,786,136; Dec. 23.
 Stearns, Edward C., Syracuse, N. Y. Saw-setting device. 1,770,598; July 15.
 Stearns & Foster Company, The. (See Nash, Benjamin S., assignor.)
 Stearns & Foster Company, The. (See Parsons, Ethel M., assignor.)
 Stearns, Frank B., Cleveland, Ohio. Pressure-regulating device. 1,772,879; Aug. 12.
 Stearns, Harry C., Oak Park, Ill., assignor to Western Electric Company, New York, N. Y. Power-transmitting apparatus. 1,759,874; May 27.
 Stearns-Stafford Roller Bearing Company. (See Packer, Oswald F., assignor.)
 Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,756,960; May 6.
 Stebbins, Albert H., Los Angeles, Calif. Operating mechanism. 1,759,875; May 27.
 Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,759,959; May 27.
 Stebbins, Albert H., Los Angeles, Calif. Concentrator table. 1,759,960; May 27.
 Stebbins, Albert H., Los Angeles, Calif. Combined fan and classifier. 1,785,918; Dec. 23.
 Steck, Leo V. (See Pike, R. D., Cummings, and Steck.)
 Steckel, Abram P., assignor to The Cold Metal Process Company, Youngstown, Ohio. Metal rolling. 1,744,016; Jan. 14.
 Steckel, Abram P., assignor to The Cold Metal Process Company, Youngstown, Ohio. Rolling metal strip. 1,744,017; Jan. 14.
 Steckel, Abram P., assignor to The Cold Metal Process Company, Youngstown, Ohio. Method and apparatus for rolling. 1,744,018; Jan. 14.
 Steckel, Abram P., assignor to The Cold Metal Process Company, Youngstown, Ohio. Method and apparatus for rolling thin sheetlike material. 1,779,195; Oct. 21.
 Stecker, Alfred J., St. Petersburg, Fla. Tobacco lighter. 1,762,281; June 10.
 Stedefeld, Curt, Heidelberg, Germany. Running gear for high-speed suspension cars. 1,750,064; Mar. 11.
 Stedefeld, Curt, Heidelberg, Germany. Apparatus for jointlessly welding rails. 1,762,085; June 3.
 Stedefeld, Curt, Heidelberg, Germany. Jointlessly welding rails. 1,762,086; June 3.
 Stedel, Julius. (See Mraz, J., and Stedel.)
 Stedwell, George W., Brooklyn, N. Y. Liquid-dispensing apparatus. 1,775,411; Sept. 9.
 Steed, Leonard L., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Textile fabric or the like. Des. 82,591; Nov. 18.
 Steed, Leonard L., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Athletic shoe and making same. 1,753,872; Apr. 8.
 Steed, Noel A., Portland, Ind. Gas feeder. 1,755,846; Apr. 22.
 Steedle, Joseph J., Scranton, Pa. Disk chart to determine color relations. 1,762,036; June 3.
 Steedman, Edwin H., St. Louis, Mo. Apparatus for burning fuel. 1,747,191; Feb. 18.
 Steel Cable Mud Chain Company. (See Benien, William, assignor.)
 Steel, Charles D., London, England. Pump for inflating pneumatic tires. 1,759,287; May 20.
 Steeldraulic Brake Corporation. (See Sneed, John, assignor.)
 Steel Heddle Manufacturing Company. (See Kaufmann, John J., assignor.)
 Steel Heddle Manufacturing Company. (See Kaufmann, J. J., and Kasper, assignors.)
 Steel-Mash Road Surface Company, The. (See Dunker, Louis H. A., assignor.)
 Steel Penetrometer Company, The. (See Bindschedler, T. S., and Wood, assignors.)
 Steel, Robert R., Brentford, England, assignor to American Gasaccumulator Company, Elizabeth, N. J. Lighthouse and the like. 1,764,656; June 17.
 Steel, Samuel T. (See Durnell, H. G., and Steel.)
 Steel Sanitary Company, The. (See Cromwell, John C., assignor.)
 Steel Scaffolding Company, The. (See Goodwin, James R., assignor.)
 Steel Scaffolding Company, The. (See Goodwin, Percy E., assignor.)
 Steel Scaffolding Company Limited, The. (See Marshall, Arnold C., assignor.)
 Steel Stamping Company, The. (See Bregman, Harry, assignor.)
 Steel and Tubes, Inc. (See Harvey, Harry E., assignor.)
 Steel and Tubes, Inc. (See Harvey, H. E., and Holmes, assignors.)
 Steel and Tubes, Inc. (See Holmes, Earl K., assignor.)
 tub. Des. 82,856; Dec. 16.
 Steel and Tubes, Inc. (See Lawson, John F., assignor.)
 Steel and Tubes, Inc. (See Smith, Anthony R., assignor.)
 Steel and Tubes, Inc. (See Vincent, Frank P., assignor.)
 Steel Wheel Corporation. (See Barber, William, assignor.)
 Steel Wheel Corporation. (See Putnam, Alden L., assignor.)
 Steel Wheel Corporation. (See Williams, William E., assignor.)
 Steele, Albert L., Lafayette, Ind. Overhead support for basket used in game of basket ball. 1,778,173; Oct. 14.
 Steele, Carmi J., assignor of one-third to W. R. Coates and one-third to R. C. Troeger, Los Angeles, Calif. Pedestal lavatory. Des. 82,116; Sept. 23.
 Steele, Carmi J., assignor of one-third to R. C. Troeger and one-third to W. R. Coates, Los Angeles, Calif. Lavatory. Des. 82,117; Sept. 23.
 Steele, Carmi J., assignor of one-third to R. C. Troeger, and one-third to W. R. Coates, Los Angeles, Calif. Lavatory. Des. 82,118; Sept. 23.
 Steele, Carmi J., assignor of one-third to R. C. Troeger and one-third to Wallace R. Coates of Los Angeles, Calif. Bathtub. Des. 82,856; Dec. 16.
 Steele, Carmi J., assignor of one-third to R. C. Troeger and one-third to W. R. Coates, Los Angeles, Calif. Bathtub. Des. 82,857; Dec. 16.
 Steele, Carmi J., assignor of one-third to W. R. Coates and one-third to R. C. Troeger, Los Angeles, Calif. Core gate for bathtub molds and the like. 1,762,841; June 10.
 Steele, Charles W., assignor to The Miller Rubber Company, Akron, Ohio. Compound tool. 1,766,727; June 24.
 Steele, Harry. (See Jackson, G. P., Toensfeldt, and Steele.)
 Steele, Herbert H., Lynbrook, assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,759,329; May 20.
 Steele, James A., and J. D. Brandes, Birmingham, Ala. Headlight visor. 1,751,111; Mar. 18.
 Steele, James H., Denver, Colo. Athletic timer. 1,766,558; June 24.
 Steele, James R. (See Moore, G. L., and Steele.)
 Steele, John G., Latrobe, Pa. Submarine safety device. 1,766,845; June 24.
 Steele & Johnson Mfg. Co., The. (See Coe, B. S., and Ashley, assignors.)
 Steele, Lawrence C., Brooklyn, N. Y. Sheet-feeding apparatus. 1,743,734; Jan. 14.
 Steele, Lawrence C., Baltimore, Md. Stripping device for tin-pot feeding. 1,772,195; Aug. 5.
 Steele, Maurice G., Farmington, Conn., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Clothes drier. 1,767,157; June 24.
 Steele, Oliver W., Dallas, Tex. Separator. 1,748,661; Feb. 25.
 Steelman, Anna M., administratrix. (See Steelman, Merton A.)
 Steelman, Merton A., deceased, by A. M. Steelman, administratrix, Vineland, N. J., assignor to Hartford-Empire Company, Hartford, Conn. Glassworking apparatus. 1,784,763; Dec. 9.
 Steely, Dale G., assignor to W. F. Schrafft & Sons Corporation, Boston, Mass. Candy-making system and method. 1,778,537; Oct. 14.
 Steen, Arthur B., Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Pump. 1,764,657; June 17.
 Steen, Willa. (See Bolton, Becher B., assignor.)
 Steen, William B., and C. D. Sharp, Stahl, Ohio. Washing machine. 1,759,376; May 20.
 Steeneck, Robert, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph key. 1,773,325; Aug. 19.
 Steensen, Sverre J., Oslo, Norway. Float valve. 1,756,398; Apr. 29.

- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Water cooler. Des. 81,420; June 17.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 1,755,084; Apr. 15.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 1,765,289; June 17.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Electric furnace. 1,771,942; July 29.
- Steere, Clarence E., Los Angeles, Calif. Automatic timing mechanism. 1,787,217; Dec. 30.
- Steere, Frank W., New York, N. Y., assignor, by mesne assignments, to Young-Whitwell Gas Process Company, Tacoma, Wash. Water-gas apparatus. 1,751,497; Mar. 25.
- Steere, Frank W., Highland Park, Mich., assignor, by mesne assignments, to Semet-Solvay Engineering Corporation, New York, N. Y. Gas manufacture. 1,752,035; Mar. 25.
- Steere, Frank W., Highland Park, Mich., assignor, by mesne assignments, to Semet-Solvay Engineering Corporation, New York. Water-gas manufacture. 1,752,036; Mar. 25.
- Steere, Frank W., Highland Park, Mich., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Gas manufacture. 1,752,037; Mar. 25.
- Steere, Frank W., Highland Park, Mich., assignor, by mesne assignments, to Semet-Solvay Engineering Corporation, New York, N. Y. Gas manufacture. 1,752,278; Mar. 25.
- Steere, Frank W., Detroit, Mich., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Gas generator. 1,764,992; June 17.
- Steerup, Godfrey, Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Arc-quenching material. 1,786,581; Dec. 30.
- Steese, Jay C., and C. A. Hoff, assignors to The Akron Lamp Company, Akron, Ohio. Sadrion construction. 1,764,126; June 17.
- Steese, Marcus C., Hamburg, N. Y. Vaporizing hydrocarbon fuels. 1,748,588; Feb. 25.
- Steeves, Aubrey C., Hillsboro, New Brunswick, Canada. Land breaker and plow. 1,750,202; Mar. 11.
- Stefanide, Nick, assignor of one-half to T. Christy, Linwood, Pa. Refrigerator attachment. 1,765,290; June 17.
- Steffen, Adolf, assignor to Adams Bros. Mfg. Co., Inc., Pittsburgh, Pa. Gas radiant heater. Des. 80,701; Mar. 11.
- Steffen, Adolf, assignor to Adams Bros. Mfg. Co., Inc., Pittsburgh, Pa. Gas radiant heater. Des. 80,702; Mar. 11.
- Steffen, Carl, jr., Vienna, Austria. Continuous washing of tricalcium saccharate. 1,757,979; May 13.
- Steffen, Robert C. (See Bloss, R. R., Steffen, and Creamer.)
- Steffens, Walter L., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Insulating materials and manufacture of same. 1,765,312; June 17.
- Stegeman, Albert V., jr., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 80,401; Jan. 21.
- Stegeman, Albert V., jr., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 81,817; Aug. 12.
- Stegeman, Harry M., Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky. Wristband. 1,761,545; June 3.
- Stegmann, Karl, assignor to John-Werk Grafische Maschinen-Aktiengesellschaft, Bautzen, Germany. Paper and cardboard cutting machine or the like. 1,745,958; Feb. 4.
- Stehlik, Rudolph F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone hand set. 1,743,290; Jan. 14.
- Stehlik, Rudolph F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Cradle-type telephone desk set. 1,751,255; Mar. 18.
- Stehlik, Rudolph F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,772,561; Aug. 12.
- Stehlik, Rudolph F., assignor to Reserve Holding Company, Chicago, Ill. Multioffice telephone system. 1,775,834; Sept. 16.
- Stehlik, Rudolph F., assignor to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,767,861; June 24.
- Stehlik, Rudolph F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,786,410; Dec. 23.
- Stehling, Chas. H., Co. (See Stehling, Joseph J., assignor.)
- Stehling, Joseph J., assignor to Chas. H. Stehling Co., Milwaukee, Wis. Revolving screen and conveyer. 1,748,151; Feb. 25.
- Stehling, Joseph J., assignor to Chas. H. Stehling Co., Milwaukee, Wis. Revolving screen and conveyer. 1,769,655; July 1.
- Steiert, Alois F., and O. W. Linke, assignors to S. L. Products Company, Philadelphia, Pa. Floor waxing and polishing device. 1,752,581; Apr. 1.
- Steiger, Carl E., assignor to Deltex Rug Company, Oshkosh, Wis. Woven material and producing the same. 1,757,980; May 13.
- Steigerwald, Christian. (See Frankenburger, W., and Steigerwald.)
- Steigh, Jacob, and E. F. Choate, Long Beach, Calif. Earth-boring sampler. 1,776,166; Sept. 16.
- Stein, Berthold. (See Schmidt, R. E., and Stein.)
- Stein, Berthold. (See Trautner, W., Stein, and Berliner.)
- Stein, Berthold, Brooklyn, N. Y. Apparatus for determining the alcohol in liquids. 1,747,742; Feb. 18.
- Stein, Charles, and W. M. Heller, Atlantic City, N. J. Doll. 1,753,032; Apr. 1.
- Stein, Charles, and W. M. Heller, Atlantic City, N. J. Doll. 1,768,334; June 24.
- Stein, Charles M., assignor to Société Anonyme "La Combustion," Rationnelle, Paris, France. Demountable rotary crusher. 1,753,180; May 13.
- Stein, Emanuel D. (See Salinger, Morris, assignor.)
- Stein, Frederick W., Atchison, Kans. Radiocabinet. Des. 82,711; Dec. 2.
- Stein, Frederick W., Atchison, Kans. Cleaning implement. 1,786,723; Dec. 30.
- Stein, Hall & Company. (See Fackler, Louis K., assignor.)
- Stein, Hugo, Vienna, Austria. Fountain pen. 1,766,728; June 24.
- Stein, Irving M., assignor to Leeds & Northrup Company, Philadelphia, Pa. Integrating method and apparatus. 1,772,091; Aug. 5.
- Stein, Jacob, and M. Katcher, New York, N. Y.; said Katcher assignor to said Stein. Apparatus for making bathing caps and analogous articles. 1,746,845; Feb. 11.
- Stein, Leo, Chicago, Ill. Brief case. 1,752,310; Apr. 1.
- Stein, Raphael, assignor of one-half to D. T. Berlitzhelmer, Philadelphia, Pa. Brake mechanism. 1,743,991; Jan. 14.
- Stein, Samuel F., Williamsport, Pa. Construction of trousers. 1,766,697; June 24.
- Stein, Samuel F., Williamsport, Pa. Trousers. 1,766,698; June 24.
- Stein, Samuel F., Williamsport, Pa. Operating mechanism for sewing machines. 1,785,462; Dec. 16.
- Stein, Theodore. (See Hilgers, N., and Stein.)
- Steinbart, Alfred, Pittsburgh, Pa. Regulation of combustion of gases in furnaces. 1,751,893; Mar. 25.
- Steinbart, Alfred, Pittsburgh, Pa. Regulation of combustion of gases in furnaces. 1,751,894; Mar. 25.
- Steinberg, Carl, New York, N. Y. Hat. 1,784,470; Dec. 9.
- Steinberg, Jacob, Brooklyn, N. Y. Mine railroad track. 1,755,462; Apr. 22.
- Steinberg, John C., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical system for secret transmission. 1,753,353; Apr. 8.
- Steinbreder, William J., St. Lou's, Mo. Tent stake. 1,773,760; Aug. 26.
- Steinbrückner, Adolf, Duisburg, Germany. Mill. 1,752,860; Apr. 1.
- Steindler, Leslie L. (See Rundlett, Carl W., assignor.)
- Steindler, Leslie L., Mamaroneck, N. Y., assignor of one-fourth to C. B. Waters, Montclair, N. J. Heating system and apparatus. 1,775,702; Sept. 16.
- Steindorff, Adolf. (See Rössner, H., Steindorff, and Pfaff.)
- Steindorff, Ulrich F. L., and H. J. Heller, New York, N. Y. Power-driven shears. 1,775,787; Sept. 16.
- Steindorff, Ulrich F. L., New York, and G. A. Ungar, Pelham Manor, N. Y., assignors to Unishear Company, Inc. Portable shears. 1,765,313; June 17.
- Steinmann, Violet D., Los Angeles, Calif. Doll. Des. 82,917; Dec. 23.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Automatic grinding machine. 1,744,587; Jan. 21.
- Steiner, Amos P., assignor to Landers Tool Company, Waynesboro, Pa. Internal-grinding machine. 1,770,817; July 15.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Multiple-grinding-wheel mounting. 1,775,004; Sept. 2.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Work-clamping fixture for crank grinding machines. 1,755,937; Apr. 22.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Automatic wheel feed. 1,777,938; Oct. 7.
- Steiner, Charles J., assignor of one-third to J. Steiner and one-third to M. Lanners, Chicago, Ill. Fluid-pressure lifting jack. 1,745,959; Feb. 4.
- Steiner, Earl V., Marshallville, Ohio. Signaling system for railway crossings. 1,770,716; July 15.
- Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,756,765; Apr. 29.
- Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,756,766; Apr. 29.
- Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Individual towel cabinet. 1,756,767; Apr. 29.
- Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,756,840; Apr. 29.

- Steiner, Frank M., Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,746,292; Feb. 11.
- Steiner, Frank M., Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,746,293; Feb. 11.
- Steiner, Frank M., Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,765,506; June 24.
- Steiner, Frank M., Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,765,630; June 24.
- Steiner, Frank M., and A. H. Anderson, Minneapolis, Minn., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,765,505; June 24.
- Steiner, Frank M., Minneapolis, Minn., and W. S. Graves, Kansas City, Mo., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,756,839; Apr. 29.
- Steiner, Frank M., and G. Olson, assignors to American Linen Company, Minneapolis, Minn. Closed-back towel stand. 1,765,504; June 24.
- Steiner, Frank M., and G. Olson, Minneapolis, Minn., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,765,631; June 24.
- Steiner, George A., Salt Lake City, Utah. Towel cabinet. 1,756,928; Apr. 29.
- Steiner, George A., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,756,926; Apr. 29.
- Steiner, George A., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,756,927; Apr. 29.
- Steiner, Gottlieb, assignor to Scintilla A. G. Solothurn, Switzerland. Electric starter for internal-combustion engines. 1,764,906; June 17.
- Steiner, John, et al. (See Steiner, Charles J., assignor.)
- Steiner, Joseph C., St. Louis, Mo. Illuminating device for refrigerators, display cases, and the like. 1,768,800; July 1.
- Steiner, Ludwig. (See Gutmann, V., and Steiner.)
- Steiner, Ludwig, Berlin, and V. Gutmann, Nuremberg, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Driven-well tool. 1,747,606; Feb. 18.
- Steiner, Martin, Belleville, Ill., assignor of forty per cent to J. L. Porter, W. Vogt, and H. E. Barnard, St. Louis, Mo. Acetylene-gas generator. 1,760,724; May 27.
- Steiner, Otto. (See Skawran, W., Steiner, and Lohs.)
- Steiner Sales Company. (See Blitz, Ralph S., assignor.)
- Steiner Sales Company. (See Olson, Gottfried, assignor.)
- Steiner Sales Company. (See Shelley, Edgar E., and W. S., assignors.)
- Steiner, Viktor, Sonneberg, Germany, assignor to Karl Ohlbaum & Son, Inc., New York, N. Y. Voice-producing apparatus for dolls and other toy figures. 1,776,091; Sept. 16.
- Steiner Sales Company. (See Steiner, Frank M., assignor.)
- Steiner Sales Company. (See Steiner, F. M., and Anderson, assignors.)
- Steiner Sales Company. (See Steiner, F. M., and Graves, assignors.)
- Steiner Sales Company. (See Steiner, F. M., and Olson, assignors.)
- Steiner Sales Company. (See Steiner, Frank G., assignor.)
- Steiner Sales Company. (See Steiner, George A., assignor.)
- Steinfurth, Louis. (See Andrews, F. O., and Steinfurth.)
- Steinhardt, Max, Munich, Germany, and E. Bauer, Yonkers, N. Y. Carburetor. 1,762,200; June 10.
- Steinhart, Ferdinand, assignor, by mesne assignments, to The Lindsay Wire Weaving Company, Cleveland, Ohio. Treating wire fabric. 1,757,489; May 6.
- Steinhart, Julius J., Shamokin, Pa. Amusement device for bathing pools. 1,772,526; Aug. 12.
- Steinbauer, Fritz P., assignor of one-fifth to G. A. Schneider, Chicago, Ill. Portable oil and gas service station. 1,764,057; June 17.
- Steinherz, Desider, assignor to Grubenholzimpragnierung G. m. b. H., Charlottenburg, Germany. Preserving wood. 1,777,235; Sept. 30.
- Steinhorst, George. (See Whitlock, Claude D., assignor.)
- Steininger, William, Berwyn, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Sprinkler. 1,746,970; Feb. 11.
- Steininger, William, Berwyn, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Sprinkler. 1,786,035; Dec. 23.
- Steinitz, Oswald G., Berkeley, Calif. Signaling recorder. 1,749,927; Mar. 11.
- Steinle, Adolf, Jena, Germany, assignor to the firm N. V. Nederlandsche Instrumenten Compagnie, Haag, Netherlands. Fire-control apparatus for firing at movable targets. 1,762,800; June 10.
- Steinman, Harry H., St. Paul, Minn., assignor to No Frost Clear Vision Shield Company. Antifrost device for windows. Re17,821; Oct. 7.
- Steinman, Isaac, Philadelphia, Pa. Window jack. 1,779,782; Oct. 28.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Fuse box. Des. 80,752; Mar. 18.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Fuse box. Des. 80,753; Mar. 18.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Electrical switch. 1,745,561; Feb. 4.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Electrical switch. 1,747,035; Feb. 11.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Switch. 1,750,693; Mar. 18.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Fuse. 1,751,954; Mar. 25.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Lighting fixture. 1,754,001; Apr. 8.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Lightning arrester. 1,758,181; May 13.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Bus support. 1,769,891; July 1.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Switch and operating mechanism therefor. 1,770,953; July 22.
- Steinmayer, Alwin G., assignor, by mesne assignments, to Line Material Company, Milwaukee, Wis. Fuse. 1,779,196; Oct. 21.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Insulator. 1,779,501; Oct. 28.
- Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Fuse. 1,779,502; Oct. 28.
- Steinmetz, Benjamin J., New York, N. Y. Variable pitch and reversible propeller. 1,761,690; June 3.
- Steinmetz, Benjamin J., New York, N. Y. Venturi slot for aeroplane wings. 1,761,691; June 3.
- Steinmetz, Christian P. (See Carter, L. A., and Steinmetz.)
- Steinmetz, Harold M., New York, N. Y. Movable stile for window frames. 1,750,974; Mar. 18.
- Steinmetz, John A., and C. V. Spaulding, Van Wert, Ohio. Rake-cleaning attachment. 1,780,688; Nov. 4.
- Steinmeyer, Fred W., Oakland, Calif. Window-drape illuminator. 1,786,787; Dec. 30.
- Steinmüller, L. & C. (See Steinmüller, Lebrecht, assignor.)
- Steinmüller, Lebrecht, Gummersbach, assignor to the firm L. & C. Steinmüller, Gummersbach, Rhineland, Germany. Traveling grate. 1,750,065; Mar. 11.
- Steinmüller, Lebrecht, Gummersbach, assignor to firm L. & C. Steinmüller, Gummersbach, Rhineland, Germany. Supporting water-tube boilers. 1,757,343; May 6.
- Steinnes, Johann, Oberhausen, Germany. Device for coating the interior of walls of pipes or conduits. 1,787,126; Dec. 30.
- Steinno, Louis, assignor to Winchester Repeating Arms Co., New Haven, Conn. Double-barreled firearm. 1,785,794; Dec. 23.
- Steinour, John E., and P. Brubaker, Los Angeles, Calif. Push hoe. 1,768,163; June 24.
- Steinrück, Hermann, Berlin, Germany. Screw tap. 1,705,585; July 15.
- Steins, Carleton K., Indianapolis, Ind. Thawing apparatus. 1,747,912; Feb. 18.
- Steins, Guillaume J. M. and R. H. M., Brussels, Belgium. Removing marks on wool. 1,754,338; Apr. 15.
- Steins, Richard H. M. (See Steins, Guillaume J. M. and R. H. M.)
- Steinschneider, Abraham, Berlin, Germany. Case for books or the like. 1,760,448; May 27.
- Steinwedell, William E., Cleveland Heights, assignor to The Gas Machinery Company, Cleveland, Ohio. Apparatus for manufacturing water gas. 1,772,789; Aug. 12.
- Steiss, John G., Kitchener, Ontario, Canada. Display apparatus. 1,777,866; Oct. 7.
- Stejskal, Karl, Vienna, Austria. Production of nutritive substances. 1,774,771; Sept. 2.
- Stellato, Joseph, Chicago, Ill. Time-controlled mechanism. 1,778,695; Oct. 14.
- Stelling, Hermann C. (See Malbs, J. K., and Stelling.)
- Stelling, William A., assignor to The Textile Finishing Machinery Company, Providence, R. I. Tenter clip. 1,781,138; Nov. 11.
- Stelzer, Adolf, Zurich, Switzerland. Calk for football shoes. 1,768,426; June 24.
- Stelzer, William, Chicago, Ill., assignor to Bendix Aviation Corporation, New York, N. Y. Airplane control. 1,782,750; Nov. 25.
- Stelzner, Hermann, assignor to O. H. Dräger, Lubeck, Germany. Gas protective or breathing filter. 1,781,254; Nov. 11.
- Stempien, John. (See Szczepezenski, Peter, assignor.)
- Stender, Waldemar, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke, Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Steam power plant for high pressure. 1,767,714; June 24.
- Stengel, Leonard A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Synthetic methanol process. 1,754,371; Apr. 15.
- Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Plunger-operating mechanism for glass furnaces. 1,746,913; Feb. 11.

- Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Plunger-operating mechanism for glass furnaces. 1,761,372; June 3.
- Stenman, Per I., Stockholm, Sweden. Apparatus for the manufacturing of screws. 1,768,801; July 1.
- Stenshoel, Nels P., Crookston, Minn. Combined supporting and holding device. 1,776,167; Sept. 16.
- Stentz, Frank W., Gary, Ind. Gate-operating means. 1,767,904; June 24.
- Stenvig, Carl A., Bellingham, Wash. Oil burner. 1,742,732; Jan. 7.
- Stenz, Bernard F., assignor to Simplex Sampling Association, Inc., New York, N. Y. Display device. 1,760,792; May 27.
- Stépán, Antonín. (See Fuchs, F., and Stépán.)
- Stepelton, Aubry F., assignor of one-half to W. R. Kirk, Chicago, Ill. Soap-dispensing shaving brush. 1,783,754; Dec. 2.
- Stephan, Emil H., assignor to W. H. Gast, Bridgman, Mich. Spray gun. 1,762,282; June 10.
- Stephan, Karl, and F. Ulfers, Berlin-Charlottenburg, assignors to Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Manufacture of esters of the borneols. 1,755,750; Apr. 22.
- Stephani, George N., Manitowoc, Wis. Wrist attachment for flash lights. 1,769,241; July 1.
- Stephani, Hermann, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg, Buckau, Germany. Recovering volatilizable metals from ores or the like. 1,755,712; Apr. 22.
- Stephen, Airlie E., Los Angeles, Calif. Hair-ornament device. 1,763,935; June 17.
- Stephen, James, assignor of sixty per cent to C. H. Quipp, Toronto, Ontario, Canada. Observation instrument. 1,763,827; June 17.
- Stephens-Adamson Mfg. Co. (See Escher, Edward P., assignor.)
- Stephens-Adamson Mfg. Co. (See Kendall, Myron A., assignor.)
- Stephens, Edward A., Los Angeles, Calif. Valve construction. 1,765,632; June 24.
- Stephens, Erastus C., Canton, assignor of one-half to S. E. Smith and one-half to D. L. Turner, Pickens County, Ga. Terminal puller. 1,752,267; Mar. 25.
- Stephens, Francis G. C., L. J. Anderson, and W. A. Cash, assignors to National Metal and Chemical Bank Limited, London, England. Manufacture of titanium-containing compounds. 1,748,429; Feb. 25.
- Stephens, Fred A. (See Quensel, L. S., and Stephens.)
- Stephens, J. B., et al. (See Chenault, George N., assignor.)
- Stephens, Jack R. (See Ladd, Theodore K., assignor.)
- Stephens, Joseph A., Vermilion, S. Dak. Signaling device. 1,755,137; Apr. 15.
- Stephens, Noble E., Woodside, L. I., assignor to The Staminart Corporation, New York, N. Y. Article of furniture. 1,780,570; Nov. 4.
- Stephens, Percy W., Chicago, Ill. Fountain brush. 1,748,370; Feb. 25.
- Stephens, Roscoe W., Los Angeles, and C. E. Wilcox, Anaheim, assignors of one-fourth to C. Drader, Beverly, and one-fourth to E. W. Bailey, Bakersfield, Calif. Pump and packing the same. 1,764,364; June 17.
- Stephens, Thomas C., St. Louis, Mo. Smoke-consuming device. 1,746,971; Feb. 11.
- Stephens, Thomas C., St. Louis, Mo. Smoke-consuming device. 1,759,961; May 27.
- Stephens, Thomas J., U. S. Army, Fort Monroe, Va. Predicting device. 1,754,653; Apr. 15.
- Stephenson, Alpha W., and L. E. Gates, Hutchinson, Kans. Guard for woodworking machines. 1,745,194; Jan. 28.
- Stephenson, Bird R., assignor, by mesne assignments, to Continental Oil Company, Ponca City, Okla. Sounding apparatus. 1,749,928; Mar. 11.
- Stephenson, D. K. (See Keith, Charles W., assignor.)
- Stephenson, Edwin L. (See Nordstrom, Linnie G., assignor.)
- Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Controlling device for electric sewing machines. 1,752,212; Mar. 25.
- Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Bobbin remover. 1,769,865; July 1.
- Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Sewing-machine feeding mechanism. 1,773,638; Aug. 19.
- Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Sewing-machine-feeding mechanism. 1,783,060; Nov. 25.
- Stephenson, James E., assignor to General Railway Signal Company, Rochester, N. Y. Railway track brake. 1,766,559; June 24.
- Stephenson, Leigh J., and E. F. Pierce, deceased, Chicago, Ill.; Central Trust Company of Illinois, administrator of said E. F. Pierce, assignor to F. E. Pierce. Meter. 1,770,257; July 8.
- Stephenson, Preston C., assignor of two-sixths to H. Gurshtel and one-sixth to E. E. Baren, Sioux City, Iowa. Bushing-removing tool. 1,763,331; June 10.
- Stephenson Protectahood Corporation. (See Stephenson, Robert J., assignor.)
- Stephenson, Robert F., Los Angeles, Calif. Auxiliary Water-circulating means for automobile engines using thermosiphon systems. 1,766,408; June 24.
- Stephenson, Robert F., Los Angeles, Calif. Telephone switchboard key. 1,773,015; Aug. 12.
- Stephenson, Robert J., assignor to Stephenson Protectahood Corporation, Auburn, N. Y. Lining for automobile hoods. 1,783,816; Dec. 2.
- Stephenson Underwear Mills. (See Johnson, Fritz, assignor.)
- Stephenson, William. (See Morgan, H., and Stephenson.)
- Stephenson, William B., Chicago, Ill. Towel rack. 1,757,981; May 13.
- Step-In-All Underwear Corporation. (See Robischon, Ernest W., assignor.)
- Stepp, Eddie H. (See Van Deventer, H., and Stepp.)
- Stepp, Eddie H., Knoxville, assignor of one-half to Horace Van Deventer, Knoxville, Tenn. Auxiliary air-admission device. 1,761,692; June 3.
- Steppé, Alphonse. (See Steppé, H., A., and G.)
- Steppé, Gustave. (See Steppé, H., A., and G.)
- Steppé, Hector, A., and G., Berchem-Ste. Agathe, near Brussels, Belgium. Mold for manufacturing boots, shoes, and similar articles of rubber or other plastic material. 1,787,177; Dec. 30.
- Steps, Robert A., Los Angeles, Calif. Mixer-type centrifugal control. 1,747,090; Feb. 11.
- Steps, Robert A., Los Angeles, Calif. Screen pipe and making same. 1,782,518; Nov. 25.
- Steps, Robert A. and W. W. Hartman, Los Angeles, Calif. Cement equalizer. 1,775,376; Sept. 9.
- Sterba, Ernest J. (See Oswald, A. A., and Sterba.)
- Sterba, Joseph, South Prairie, Wash. Carburetor. 1,749,721; Mar. 4.
- Sterbenz, John W., Los Angeles, Calif. Chair bed. 1,745,459; Feb. 4.
- Sterilek Company. (See O'Neill, Edward J., assignor.)
- Sterick, Harrison D., Pittsburgh, Pa. Telephone. 1,777,586; Oct. 7.
- Sterling, Claude H., assignor to General Motors Research Corporation, Detroit, Mich. Overgear transmission. 1,783,393; Dec. 2.
- Sterling, Claude H., assignor to General Motors Corporation, Detroit, Mich. Overgear transmission. 1,783,930; Dec. 2.
- Sterling Clock Co. (See Stern, Lewis J., assignor.)
- Sterling Company, The. (See Younge, Torleif, assignor.)
- Sterling Corporation, The. (See Flammang, John, assignor.)
- Sterling, John W. (See Neff, George W., assignor.)
- Sterling Manufacturing Company. (See Carter, Charles E., assignor.)
- Sterling Pin Company, The. (See Peck, Irving H., assignor.)
- Sterling Pump Works. (See Magnuson, Roy M., assignor.)
- Sterling Range & Furnace Corporation. (See Reck, Maurus C., assignor.)
- Sterling Spring Company. (See Monteith, John C., assignor.)
- Sterling Wheelbarrow Company. (See Smith, Irving R., assignor.)
- Stern, Albert R., New York, N. Y. Uniform cap. Des. 82,590; Nov. 18.
- Stern Brothers. (See Scorelle, Frank, assignor.)
- Stern, Carl L. (See Newton, S., and Stern.)
- Stern, Charles. (See Braden, R. W., and Stern.)
- Stern, Charles, and J. J. Carlock, Jersey City, assignors, by mesne assignments, to Ardeo Manufacturing Company, Hoboken, N. J. Railway-journal-oiling device. 1,778,696; Oct. 14.
- Stern, Emerich, Temiscara, Roumania. Spark plug. 1,758,542; May 13.
- Stern, Eugene J., Little Rock, Ark. Concrete mixer and the like. 1,764,583; June 17.
- Stern, George, Oberschönewalde, near Berlin, Germany, assignor to General Electric Company. Electric switch. 1,748,905; Feb. 25.
- Stern-Gesellschaft für Moderne Grundbautechnik m. b. H. (See Zeissl, Ignaz, assignor.)
- Stern, Harry A., New York, N. Y. Ash tray. 1,764,907; June 17.
- Stern, Irving L., assignor to Chicago Art Marble Company, Chicago, Ill. Pavement. 1,778,736; Oct. 21.
- Stern, Isidore, New Rochelle, N. Y. Denture attachment. 1,743,871; Jan. 14.
- Stern, Joham & Grossman Co. (See Joham, Charles W., assignor.)
- Stern, Louis, Company. (See Kraemer, August F., assignor.)
- Stern, Louis J., Yonkers, N. Y., assignor to Zeronator Limited. Closure. 1,746,369; Feb. 11.
- Stern, Louis J., New York, N. Y. Liquid container. 1,750,334; Mar. 11.
- Stern, Lewis J., New York, N. Y., assignor to Sterling Clock Co., Inc. Electric clock. 1,770,677; July 15.
- Stern, Marc, assignor to A C Spark Plug Company, Flint, Mich. Die-casting machine. 1,760,258; May 27.
- Stern, Marc, assignor to A C Spark Plug Company, Flint, Mich. Die-casting machine. 1,760,610; May 27.
- Stern, Maximilian, New York, N. Y. Bunlon appliance. 1,784,032; Dec. 9.
- Stern, Moses E., New York, N. Y. Window screen. 1,781,202; Nov. 11.
- Stern, Ottokar, Vienna, Austria. Laying foundations of structures, buildings, and the like. 1,742,423; Jan. 7.
- Stern, Ottokar, Vienna, Austria. Machine for laying foundations of structures. 1,763,485; June 10.

- Stern, Walter, Berlin-Wilmersdorf, assignor to firm Aron-Werke Elektrizitäts Aktiengesellschaft, Berlin-Charlottenburg, Germany. Summation indicating instrument. 1,777,939; Oct. 7.
- Sternberg, Woldemar M., New York Mills, assignor to R. G. Campbell, Utica, N. Y. Treatment of textile elements or yarn derived from rayon filaments or fibers. 1,770,047; July 8.
- Sternberger, Charles. (See Harry, G. M., and Sternberger.)
- Sterner-Rainer, Roland, Neckarsulm, Germany, assignor to American Lurgi Corporation, New York, N. Y. Non-corrosive aluminum alloy. 1,742,557; Jan. 7.
- Sternheimer, Nathan, Richmond, Va. Envelope. 1,768,164; June 24.
- Stertzbach, Harry W. (See Johnson, G. T., and Stertzbach.)
- Stertzbach, Harry W., and J. S. McPherson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Side frame. 1,760,181; May 27.
- Sterzl, Eduard, Prague, Czechoslovakia. Apparatus for disintegrating, grinding, reducing to fibres, mixing, or felting humid or dry materials. 1,745,727; Feb. 4.
- Stetson, Raymond O. (See Severance, C. D., and Stetson.)
- Stetten, Julius O. V., assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Hosiery drying and pressing apparatus. 1,777,705; Oct. 7.
- Steuart, Arthur B., Baltimore, Md. Fuselage frame. 1,766,961; June 24.
- Steuber, Carl J., Detroit, Mich., assignor to The Carborundum Company, Niagara Falls, N. Y. Finishing device. 1,748,313; Feb. 25.
- Steudte, Richard, New York, N. Y. Blotter attachment for fountain pens. 1,759,596; May 20.
- Steurs, Arsène, Bourgeois-Rixensart, Belgium. Fluid-actuated compressor. 1,771,424; July 29.
- Stevason, John L., Indianapolis, Ind. Plant protector. 1,780,950; Nov. 11.
- Steven, Otto L., Berlin, Germany. Leather-dressing process. 1,750,732; Mar. 18.
- Stevens, Albert B., Inspiration, Ariz. Apparatus for leaching and washing ores by the use of gas. 1,783,591; Dec. 2.
- Stevens, Arthur C., assignor of one-third to P. W. Gross and one-third to I. M. Jones, Milwaukee, Wis. Lock. 1,755,847; Apr. 22.
- Stevens, Blamey, Temascaltepec, Mexico. Hydraulically-operated diaphragm pump. 1,769,044; July 1.
- Stevens, Bruce A., Hyde Park, Mass. Adhesive and manufacturing the same. 1,771,823; July 29.
- Stevens, Byron, Oakland, Calif. Transmission. 1,754,654; Apr. 15.
- Stevens, Clarence C., assignor to The New Departure Manufacturing Company, Bristol, Conn. Grinding machine. 1,770,148; July 8.
- Stevens, Clarence E., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Bracket. 1,767,099; June 24.
- Stevens, Clarence E., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Clamp for seat construction. 1,768,427; June 24.
- Stevens, Clarence W., Ceres, assignor of one-half to E. L. Colbert, Keyes, Calif. Sanitary milking stool and bucket. 1,748,314; Feb. 25.
- Stevens, Clyde, Cotton Valley, La. Sucker-rod rotater. 1,749,722; Mar. 4.
- Stevens, Dexter, assignor to The Esmond Mills, Esmond, R. I. Convertible blanket. 1,748,501; Feb. 25.
- Stevens, Douglas E., Denver, Colo. Flanging machine. 1,785,537; Dec. 16.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool retainer. 1,757,444; May 6.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Beading tool. 1,769,002; July 1.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic hammer. 1,769,081; July 1.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool-retaining coupling. 1,787,178; Dec. 30.
- Stevens, Elbridge W., Baltimore, Md. Process and apparatus for separating metallic values. 1,754,408; Apr. 15.
- Stevens, Enoch P., Morgan Park, Chicago, Ill., assignor to American Arch Company, Inc. Furnace roof. 1,778,776; Oct. 21.
- Stevens, Evie, Los Angeles, Calif. Bumper structure. 1,753,483; Apr. 8.
- Stevens, F. Paul, et al. (See Radford, Chester E., assignor.)
- Stevens, Frederick A., Providence, R. I. Ophthalmic mounting and method. 1,754,840; Apr. 15.
- Stevens, Harry F. (See Witzal, A., Rabel, and Stevens.)
- Stevens, Herbert A., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Metal door. 1,748,195; Feb. 25.
- Stevens, Herbert C. M., Paris, France, and R. V. Hutchinson, Lansing, assignors to General Motors Corporation, Detroit, Mich. Crank-case ventilation. 1,757,149; May 6.
- Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Expanding machine. 1,757,750; May 6.
- Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Machine for washing tires, coating air bags, or the like. 1,768,335; June 24.
- Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tube-polishing machine and method of polishing tubes. 1,768,336; June 24.
- Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Machine for coating air bags. 1,768,337; June 24.
- Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for reinforcing tire beads. 1,787,411; Dec. 30.
- Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Grinding or buffing machine. 1,787,412; Dec. 30.
- Stevens, Horace F., Kenilworth, N. J. Controlling means. 1,754,655; Apr. 15.
- Stevens, J., Arms Company. (See Jefferson, Charles J., assignor.)
- Stevens, John A., Lowell, Mass., assignor to The Upson Company, Lockport, N. Y. Heat-processing machine for sheets and boards. 1,775,950; Sept. 16.
- Stevens, John A., Lowell, Mass., assignor to The Upson Company, Lockport, N. Y. Heat-transmitting platen. 1,780,280; Nov. 4.
- Stevens, Leslie, Glen Ridge, N. J., assignor to Stevens Manufacturing Corporation, New York, N. Y. Apparatus for making containers. 1,760,288; May 27.
- Stevens, Leslie, Glen Ridge, N. J., assignor to Stevens Manufacturing Corporation, New York, N. Y. Sound amplifier. 1,772,645; Aug. 12.
- Stevens Manufacturing Corporation. (See Stevens, Leslie, assignor.)
- Stevens, Neil C., Salem, Mass. Magazine rack. Des. 81,506; July 1.
- Stevens, Richard H., Westmont Borough, Pa., assignor to Bethlehem Steel Company. Ingot stripper. 1,749,723; Mar. 4.
- Stevens, Richard H., Melrose Park, Pa., assignor, by mesne assignments, to Open Hearth Combustion Company. Furnace. 1,769,866; July 1.
- Stevens, Roger B. (See Weisberg, L., and Stevens.)
- Stevens, Royale H., G. C. Norris, and W. N. Watson, assignors to The Rhodesia Broken Hill Development Company, Limited, Broken Hill, Northern Rhodesia. Purification of zinc solutions. 1,778,987; Oct. 21.
- Stevens, William, Los Angeles, Calif., assignor, by mesne assignments, to J. Hibbard, Detroit, Mich. Confection shell-forming machine. 1,771,065; July 22.
- Stevens, William C. (See Meuer, G. J., and Stevens.)
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Device for removing stock from bias cutters. 1,745,127; Jan. 28.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-testing machine. 1,753,175; Apr. 1.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Method and apparatus for drying articles. 1,753,176; Apr. 1.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Bending machine. 1,753,177; Apr. 1.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for making multiple-ply fabrics. 1,759,668; May 20.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Method and apparatus for building tire beads. 1,759,669; May 20.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Wrapping machine. 1,768,338; June 24.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Mandrel-polishing machine. 1,768,339; June 24.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Strip-applying device. 1,768,340; June 24.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-building machine. 1,768,341; June 24.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-building machine. 1,787,413; Dec. 30.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Strip-applying device for tire-building machines. 1,787,414; Dec. 30.
- Stevens, William C., and C. T. Evans, Milwaukee, Wis., assignors, by mesne assignments, to Cutler-Hammer, Inc. Circuit controller. 1,744,247; Jan. 21.
- Stevens, William C., and G. J. Meuer, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,781,710; Nov. 18.
- Stevens, William C., and G. J. Meuer, Milwaukee, Wis., assignors, by mesne assignments, to Cutler-Hammer, Inc. Electric snap-switch mechanism. 1,784,207; Dec. 9.
- Stevens, William E., and C. B. Jay, Raymond, Wash.; said Stevens assignor to R. Sayles. Roller screen. 1,752,466; Apr. 1.
- Stevenson, Alexander R., jr., Schenectady, N. Y.; assignor to General Electric Company. Starting synchronous motor. 1,752,932; Apr. 1.
- Stevenson, Arthur G., Rochester, N. Y. Lighter. 1,765,633; June 24.

- Stevenson, Ashton G., Chicago, Ill. Making printers' metal furniture. 1,749,855; Mar. 11.
- Stevenson, Earl P., Newton, and H. A. Buron, Boston, Mass., assignors to The Richardson Company, Lockland, Ohio. Fibrous composition and manufacturing same. 1,771,150; July 22.
- Stevenson, Earl P., Newton, and B. B. Fogler, Belmont, assignors to Arthur D. Little, Incorporated, Cambridge, Mass. Spray drying soap. 1,779,516; Oct. 28.
- Stevenson, Earl P., Newton, and B. B. Fogler, Belmont, assignors to Arthur D. Little, Incorporated, Cambridge, Mass. Sprayed soap product. 1,779,517; Oct. 28.
- Stevenson, Edward E., assignor, by mesne assignments, to Emsco Derrick & Equipment Company, Los Angeles, Calif. Pump jack. 1,764,058; June 17.
- Stevenson, Edward E., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Expanding mandrel. 1,772,692; Aug. 12.
- Stevenson, Francis E. (See Wallace, H., and Stevenson.)
- Stevenson, Frederick A., assignor to American Car and Foundry Company, New York, N. Y. Lined tank. 1,766,468; June 24.
- Stevenson, Geoffrey. (See Grabler, Peter, assignor.)
- Stevenson, Geoffrey, Brookline, Mass. Copyholder. 1,752,399; Apr. 1.
- Stevenson, George H., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Balanced radio receiving system. 1,746,803; Feb. 11.
- Stevenson, George H., Sound Beach, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Operation of electric space-discharge devices. 1,763,015; June 10.
- Stevenson, Holland N., Pelham, N. Y. Surgical instrument. 1,754,806; Apr. 15.
- Stevenson, Howard R., Audubon, N. J., assignor to Westinghouse Electric & Manufacturing Company. Turbine blading and lashing therefor. 1,749,449; Mar. 4.
- Stevenson, John E. (See Gullette, William A.)
- Stevenson, John S., Jr., East Orange, N. J., assignor to American Car and Foundry Company, New York, N. Y. Boring tool. 1,748,152; Feb. 25.
- Stevenson, Lawrence J., assignor to The Porcelain Enamel & Manufacturing Co., Baltimore, Md. Apparatus for loading and unloading enameling furnaces. 1,761,996; June 3.
- Stevenson, Malcolm, Westbury, and J. Good, Garden City, assignors to Automatic Motor Stop and Start, Inc., New York, N. Y. Automobile control system. 1,771,866; July 29.
- Stevenson, Raymond F. (See Fehely, R. C., and Stevenson.)
- Stevenson, Robert A., Lancaster, Ohio. Customer control means for self-serving stores. 1,771,659; July 29.
- Stevenson, Robert A., Wilmington, Del. Combined lifting and carrying tool. 1,783,680; Dec. 2.
- Stevenson, Thomas K., assignor to F. Van Blarcom, New York, N. Y. Screw-thread chaser. 1,754,489; Apr. 15.
- Stevenson, William B., Moorestown, N. J., assignor to Victor Talking Machine Company. Combined hinge and support. 1,748,196; Feb. 25.
- Stevenson, Seth E., Mount Carmel, and D. H. Wiggs, Danville, Ill. Safety door catch. 1,775,786; Sept. 16.
- Stever, William, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Screw driver and nut holder. 1,751,112; Mar. 18.
- Stevermer, Frank. (See Latourelle, J., and Stevermer.)
- Steves, Vernon, Oleum, Calif. Mushroom culture. 1,773,648; Aug. 19.
- Steward, John W., Paterson, N. J. Shuttle. 1,761,416; June 3.
- Steward, Robert B., New York, N. Y. Ship's davit. 1,763,908; June 17.
- Steward, Albert D. (See Sheperd, Edward S., assignor.)
- Steward, Albert E., assignor to Acme-Knitting Machine & Needle Company, Franklin, N. H. Sinker for knitting machines. 1,782,486; Nov. 25.
- Stewart, Alexander, Roselle, N. J., assignor, by mesne assignments, to U. S. Chemical Products Co., Inc. Production of basic lead chromate. 1,751,295; Mar. 18.
- Stewart, Alexander W., Glasgow, Scotland. Ventilating apparatus. 1,783,005; Nov. 25.
- Stewart, Alexander, Roselle, assignor to C. L. Constant Company, Hoboken, N. J. Treating lead-bearing material. 1,783,986; Dec. 9.
- Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve pedestal. 1,754,244; Apr. 15.
- Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,765,634; June 24.
- Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve device. 1,765,635; June 24.
- Stewart, Carlton, D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Airplane brake. 1,778,127; Oct. 14.
- Stewart, Carson R., Akron, Ohio, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Traction device for tires. 1,783,161; Nov. 25.
- Stewart, D. E. (See Wilson, Glenn S., assignor.)
- Stewart Die Casting Corporation. (See Carlson, Eric, assignor.)
- Stewart, Donald H., assignor to Eastman Kodak Company, Rochester, N. Y. Optical equipment for photographic cameras. 1,762,938; June 10.
- Stewart, Douglas D. S. (See Turville, A. E., and Stewart.)
- Stewart, Duncan J. (See Colman, H. D., and Stewart.)
- Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Communication of intelligence. 1,744,992; Jan. 28.
- Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Selector. 1,760,379; May 27.
- Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Closure operator. 1,773,243; Aug. 19.
- Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Light-control system. 1,783,633; Dec. 2.
- Stewart, Duncan M. (See Nanji, Dinshaw R., assignor.)
- Stewart, Elmer, et al. (See Lambert, William C., assignor.)
- Stewart, Enos A., Canton, Ohio. Brick-veneering machine. 1,771,660; July 29.
- Stewart, Frank G., Seattle, Wash. Device for removing water from musical instruments of the horn type. 1,775,788; Sept. 16.
- Stewart, Frank L., and M. Stewart, Framingham, Mass. Reversible shirt. 1,768,381; June 24.
- Stewart Hartshorn Company. (See Hack, H. W., and Layng, assignors.)
- Stewart, Harvey J., San Francisco, Calif., assignor to Remington Typewriter Company, Ilion, N. Y. Collating table. 1,751,895; Mar. 25.
- Stewart, Hector H. (See Edlin, G. S., and Stewart.)
- Stewart, J. Hammond. (See Scharffenberg, Jean H., assignor.)
- Stewart, James A., Oakland, assignor to Management Finance Corp., San Francisco, Calif. Window operator. 1,748,662; Feb. 25.
- Stewart, James A., Oakland, assignor to Management and Finance Corporation of California, San Francisco, Calif. Sash mounting. 1,786,036; Dec. 23.
- Stewart, James B., Los Angeles, Calif. Grip. 1,763,828; June 17.
- Stewart, James E., and P. Horinstein, assignors to Electric Display Corporation, New York, N. Y. Sign construction. 1,747,400; Feb. 18.
- Stewart, James S., Redlands, assignor, by mesne assignments, to G. Voss, San Bernardino, Calif. Agricultural machine. 1,760,569; May 27.
- Stewart, James T., Forest Hills, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,905; Aug. 26.
- Stewart, John E. (See Joaquin, Nathan E., assignor.)
- Stewart, John H., Lynnfield, Mass. Counter-molding machine. 1,750,438; Mar. 11.
- Stewart, Margaret. (See Stewart, Frank L., and Margaret.)
- Stewart, Newell C., jr., Buffalo, N. Y. Headlight for vehicles. 1,780,046; Oct. 28.
- Stewart, Otho V., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Polishing compound. 1,750,288; Mar. 11.
- Stewart, Otho V. and E. Urban, Forest Hills, Pa., assignors to Westinghouse Electric and Manufacturing Company. Dual anode. 1,765,706; June 24.
- Stewart, Patterson O., New York, N. Y. High-tension ignition amplifier. 1,774,339; Aug. 26.
- Stewart, Patterson O., New York, N. Y. Antifouling spark plug. 1,783,525; Dec. 2.
- Stewart, Patterson O., New York, N. Y. Spark plug. 1,783,526; Dec. 2.
- Stewart, Philip B., Cincinnati, Ohio. High-tension insulator. 1,745,234; Jan. 28.
- Stewart, Richard W., Auburn, N. Y. Rifle range. 1,750,823; Mar. 18.
- Stewart, Robert A., San Francisco, Calif. Dose dispenser. 1,770,185; July 8.
- Stewart, Robert H., Vancouver, British Columbia, Canada, assignor to Texas Gulf Sulfur Company, New York, N. Y. Mining of sulphur. 1,764,538; June 17.
- Stewart, Robert M. (See Nelson, Heber S., assignor.)
- Stewart, Robert S., Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, New York, N. Y. Annealing pot. 1,754,372; Apr. 15.
- Stewart, Robert S., Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, New York, N. Y. Annealing pot. 1,754,373; Apr. 15.
- Stewart, Robert S., Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, New York, N. Y. Annealing pot. 1,754,374; Apr. 15.
- Stewart, Robert S., Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, New York, N. Y. Annealing pot. 1,768,719; July 1.
- Stewart, Robert W., assignor of one-half to J. M. Walton, New Orleans, La. Toilet-paper-roll holder. 1,778,282; Oct. 14.
- Stewart, Samuel, assignor to Bates Manufacturing Company, Lewiston, Me. Bedsread. 1,764,764; June 17.
- Stewart, Samuel C., Hunting Creek, N. C. Spraying machine. 1,754,490; Apr. 15.
- Stewart, Samuel, M. L. Allen, and S. O. Roy, Lewiston, Me., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing mechanism for double-shuttle looms. 1,766,729; June 24.
- Stewart, Victor R., Glenside, Pa. Locomotive valve gear. 1,781,559; Nov. 11.
- Stewart, Walter C., assignor, by mesne assignments, to E. Frohman, Gastonia, N. C. Differential motion for roving frames and the like. 1,748,683; Feb. 25.
- Stewart, Walter C., assignor to E. Frohman, Gastonia, N. C. Differential motion for roving frames and the like. 1,752,708; Apr. 1.

- Stewart, Walter C., assignor to E. Frohman, Gastonia, N. C. Yarn-tensioning device. 1,785,987; Dec. 23.
- Stewart, Walter C., and E. Frohman, Gastonia, N. C.; said Stewart assignor to said Frohman. Oil-retaining means for gear casings. 1,748,684; Feb. 25.
- Stewart-Warner Corporation. (See Andrews, J. Lewis, assignor.)
- Stewart-Warner Corporation. (See Burton, Charles S., assignor.)
- Stewart-Warner Corporation. (See Farr, Willard H., assignor.)
- Stewart-Warner Corporation. (See Manning, Fred W., assignor.)
- Stewart-Warner Corporation. (See Olsen, John K., assignor.)
- Stewart-Warner Corporation. (See Pearson, Enoch L., assignor.)
- Stewart-Warner Corporation. (See Rockwell, Edward A., assignor.)
- Stewart-Warner Corporation. (See Van Guilder, W., and Wood, assignors.)
- Stewart-Warner Corporation. (See Wheeler, Leonard H., assignor.)
- Stewart-Warner Corporation. (See Whittington, Frederick G., assignor.)
- Stewart-Warner Corporation. (See Wood, Andrew C., assignor.)
- Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-pressing machine. 1,771,019; July 22.
- Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. 1,772,471; Aug. 12.
- Stewarts & Lloyds, Limited. (See Dewey, Norman S., assignor.)
- Stiasny, Edmund G., Darmstadt, Germany, and B. Jalowzer, Paris, France. Tanning hides and skins. 1,749,724; Mar. 4.
- Stickel, Charles W., and W. R. Tuttle, Rochester, N. Y. Tweezers. 1,785,919; Dec. 23.
- Stickling, John K., Tinley Park, Ill. Tongueless buckle. 1,747,401; Feb. 18.
- Stickney, Burnham C., Hillside, N. J. Internal-combustion engine. 1,753,159; Apr. 1.
- Stickney, Burnham C., Hillside, N. J. Paper-bag-making machine. 1,753,354; Apr. 8.
- Stickney, Burnham C., Hillside, N. J. Printing press. 1,763,679; June 17.
- Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,756,961; May 6.
- Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,757,269; May 6.
- Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,758,015; May 13.
- Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,763,936; June 17.
- Stickney, Burnham C., Hillside, N. J., assignor to Elliott-Fisher Company, New York, N. Y. Combined typewriting and adding machine. 1,765,507; June 24.
- Stickney, Fernald S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistance-supporting structure. 1,745,872; Feb. 4.
- Stidger, Harry D., Long Beach, Calif. Lawn cultivator. 1,742,563; Jan. 7.
- Stieber, Benjamin F., Rocksprings, Tex. Butter slicer and container. 1,779,341; Oct. 21.
- Stiefel, Ernst, Bauma, Switzerland. Plant for producing compressed air. 1,778,988; Oct. 21.
- Stiefel, Ralph C. (See Krause, F. R., and Stiefel.)
- Stiefel, Ralph C., Ellwood City, Pa. Mandrel-bar-supporting apparatus for piercing mills. 1,758,413; May 13.
- Stiefel, Ralph C., Ellwood City, Pa. Tube-rotating apparatus. 1,762,427; June 10.
- Stieglmayer, Karl, New York, N. Y. Jazz organ. 1,780,543; Nov. 4.
- Stieger, Helmut J. (See Chorlton, A. E. L., Haig, and Stieger.)
- Stieh, William M., jr., Ridgefield Park, N. J. Engine valve. 1,750,975; Mar. 18.
- Stiemke, Walter H. (See Jett, George C., assignor.)
- Stierl, John, Cleveland, Ohio. Catching device. 1,746,914; Feb. 11.
- Stievater, Harry J., Buffalo, N. Y. Extender for paints, etc. 1,763,937; June 17.
- Stievenart, Arthur, Boitsfort, Belgium. Apparatus for separating dust from gases. 1,754,126; Apr. 8.
- Stiffemire, Robert J., Ponce de Leon, Fla. Saw-filing stand. 1,755,415; Apr. 22.
- Stift, Willem A. L. (See Van der Kloet, W. J., and Stift.)
- Stigers, Morton J. (See Glezen, L. L., Stigers, and Taylor.)
- Stiles, C. A., et al. (See Patterson, Edgar W., assignor.)
- Stiles, Frank I., Miami, Fla. Boat for submarine inspection. 1,786,091; Dec. 23.
- Stiles-Herman Manufacturing Company. (See Johnson, Herman W., assignor.)
- Stiles, Marvin, Hamilton, Tex. Harvester. 1,757,848; May 6.
- Still, firm, Carl. (See Kuhn, Arthur, assignor.)
- Still, firm, Carl. (See Petsch, Hermann, assignor.)
- Still, Elmer G., Livermore, Calif. Aircraft device. Re17,868; Nov. 11.
- Still, William J., West Ealing, London, England. Method of and machine for making heat-transmitting tubes. 1,778,514; Oct. 14.
- Still, William J., London, England. Power-transmission gear for internal-combustion engines. 1,784,396; Dec. 9.
- Stillman, Eldyn A., Wellsville, N. Y. Toy elevator. 1,770,018; July 8.
- Stilwell, Stephen A., Lebanon, Ohio. Holding socket for fountain pens. 1,771,661; July 29.
- Stimpson, Edwin B., Company. (See Lupien, Louis A., assignor.)
- Stimpson, Edwin B., Company. (See Pucar, Theodore, assignor.)
- Stimpson, Edwin B., Company. (See Rau, Henry V., assignor.)
- Stimpson, Robert H. (See Van der Pyl, E., and Stimpson.)
- Stimpson, Walter F. (See Dryden, W. W., and Stimpson.)
- Stimpson, Walter F., and R. L. Schuhmann, Louisville, Ky.; said Schuhmann assignor to said Stimpson. Scale. 1,786,788; Dec. 30.
- Stimpson, Walter F., and W. E. Finch, Louisville, Ky.; said Finch assignor to said Stimpson. Scale. 1,755,751; Apr. 22.
- Stimson, Annie W. (See Johnson, James A., assignor.)
- Stimson, Jonathan C., St. Louis, Mo. Reflecting device. 1,743,834; Jan. 14.
- Stimson, Jonathan C., St. Louis, Mo. Reflecting device. 1,743,835; Jan. 14.
- Stimson, John F., Papeete, Tahiti, Society Islands, and T. Patrick, Brooklyn, N. Y. Perpetual calendar. 1,769,759; July 1.
- Stimson, Robert W. (See Saltrick, William R., assignor.)
- Stine, Charles M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Substituted guanidine-aldehyde condensation product. 1,780,636; Nov. 4.
- Stine, Frank L., East Orange, N. J., assignor to Belding Heminway Company, New York, N. Y. Loud-speaker. 1,776,709; Sept. 23.
- Stine, James E., Aldan, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Screen bar for crushing machinery. 1,746,563; Feb. 11.
- Stine, Samuel B., Osceola Mills, Pa. Screen structure. 1,753,355; Apr. 8.
- Stine, Samuel B., Osceola Mills, Pa. Apparatus for molding castings. 1,767,563; June 24.
- Stinger, Daniel, Philadelphia, Pa., assignor to The Barrett Company. Shingle stripper. 1,751,562; Mar. 25.
- Stinger, Daniel, Philadelphia, Pa., assignor to The Barrett Company. Shingle-cutting knife. 1,751,563; Mar. 25.
- Stinner, Otto, Eichwalde, near Berlin, Germany. Device for generating and utilizing centrifugal forces. 1,757,270; May 6.
- Stinson, Blanche, E. Schmidt, M. Milovich, and S. Milovich, assignors to Milo Manufacturing Co., San Francisco, Calif. Stuffed toy. Des. 82,292; Oct. 14.
- Stinson, Edward A., Wayne, Mich. Aeroplane. Des. 81,261; May 27.
- Stinson, George, and S. Fred, Gardner, assignors to Heywood-Wakefield Company, Boston, Mass. Hinge for desk lids and the like. 1,762,489; June 10.
- Stinson, Joseph S., Denver, Colo. Water elevator and conveyor. 1,764,539; June 17.
- Stinson, Lewis A., Oak Park, Ill. Cargo-discharging apparatus for ships. 1,787,025; Dec. 30.
- Stirdivant, Clarence J., Huntington Park, Calif. Service tower. 1,758,131; May 13.
- Stiriss, Jacob, New York, N. Y. Match card and cover. 1,754,060; Apr. 8.
- Stirling, James A., assignor, by mesne assignments, to Chicago Telephone Supply Company, Elkhart, Ind. Jack switch. 1,781,962; Nov. 18.
- Stirling, Louis F., Boundbrook, N. J., assignor to Oxford Varnish Corporation, Detroit, Mich. Producing printing plates. 1,773,887; Aug. 26.
- Stirrup, Frank A., Westfield, N. J., assignor to The Stirrup Manufacturing Company, Incorporated. Latch for covers. 1,773,693; Aug. 19.
- Stirrup Manufacturing Company, The. (See Stirrup, Frank A., assignor.)
- Stitt, Roger H. (See King, G. D., and Stitt.)
- Stitzer, George W., Mahanoy City, Pa. Headlight. 1,759,720; May 20.
- Stiver, Sylvester J., New Bethlehem, Pa. Skate. 1,782,078; Nov. 18.
- Stober, Floyd B., Hays, Kans. Folding signal. 1,769,473; July 1.
- Stock, Anthony T., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,759,962; May 27.
- Stock, Henry F. (See Loehr, Alexander L., assignor.)
- Stock, Johann J. F., Munich, Germany. Method and device of synchronizing cinematographic performance and sound production. 1,786,368; Dec. 23.
- Stock, Johann J. F., Munich, and P. Effing, Berlin, Germany. Producing cinematographic titles, headlines, announcements, and the like. 1,749,961; Mar. 11.
- Stock, Josef. (See Wilke, K., and Stock.)
- Stock Quotation Telegraph Company. (See Hiltz, G. S., and Purcell, assignors.)
- Stockard, Richard L., Forrest City, Ark. Lap link. 1,783,860; Dec. 2.

- Stockdale, Roger S., Milwaukee, Wis. Sign. Des. 80,501; Feb. 11.
- Stockdale, Thomas E. (See Watts, G. W., Krauel, and Stockdale.)
- Stocker, Robert, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Indigoid dyestuffs and making same. 1,755,972; Apr. 22.
- Stockfleth, Berger, Berrien Springs, and F. W. Burger, Niles, assignors to Clark Tractor Company, Battle Creek, Mich. Portable crane. 1,755,798; Apr. 22.
- Stockfleth, Berger, Berrien Springs, and F. W. Burger, Niles, assignors to Clark Tractor Company, Buchanan, Mich. Brake mechanism for vehicles. 1,759,963; May 27.
- Stockholder, John H., assignor to M. Stockholder, New Orleans, La. Liquid-purifying device. 1,760,216; May 27.
- Stockholder, Mary. (See Stockholder, John H., assignor.)
- Stockholms Benmjolsfabriks Aktiebolag. (See Eckerbom, Gustaf, assignor.)
- Stockland Road Machinery Company. (See Smith, Paul D., assignor.)
- Stockman, Martin, et al. (See Giudice, Charles, assignor.)
- Stocks, Charles E., El Paso, Tex. Self-service haberdashery. 1,766,409; June 24.
- Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range or similar article. Re17,900; Dec. 9.
- Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Gas range. Des. 82,528; Nov. 11.
- Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range. Des. 82,765; Dec. 9.
- Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Self-contained automatic gas heater. 1,742,880; Jan. 7.
- Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Supporting carriage for range broiling ovens. 1,748,854; Feb. 25.
- Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Flue connection for stoves. 1,774,951; Sept. 2.
- Stockstrom, Arthur, and A. H. Brodbeck, assignors to American Stove Company, St. Louis, Mo. Range. Des. 82,766; Dec. 9.
- Stockstrom, Arthur, and A. H. Brodbeck, assignors to American Stove Company, St. Louis, Mo. Gas range. 1,784,764; Dec. 9.
- Stockton Box Company. (See Goff, Henry J., assignor.)
- Stockton, George W., assignor to J. N. Huff, Denver, Colo. Ditching machine. 1,758,132; May 13.
- Stockton, Leander Q., Troy, N. H. Device for exhibiting pictures with colored scenery. 1,774,817; Sept. 2.
- Stockton, Walter T. (See Kinney, F. C., and Stockton.)
- Stockton, William S., assignor to The Willys-Overland Company, Toledo, Ohio. Tire carrier. 1,743,089; Feb. 25.
- Stockton, William S., assignor to The Willys-Overland Company, Toledo, Ohio. Vehicle brake. 1,762,842; June 10.
- Stockwell, Herbert C., Los Angeles, Calif. Cash protector. 1,766,560; June 24.
- Stockwell, Ralph W., Webster Groves, assignor to Langenberg Manufacturing Co., St. Louis, Mo. Warm-air furnace. 1,745,918; Feb. 4.
- Stockwell, William R., Michigan City, Ind. Heater. 1,745,960; Feb. 4.
- Stoddard, Beatrice M., assignor to D. D. Comstock, Dedham, Mass., doing business as The Kiddie-Rhester Co. Play pen. 1,782,217; Nov. 18.
- Stoddard, Charles F., New York, N. Y. Delayed-action valve mechanism. 1,769,760; July 1.
- Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Tubing arrangement for automatic pneumatic pianos. 1,777,684; Oct. 7.
- Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Dishwashing machine. 1,760,668; May 27.
- Stoddard, Edgar S., Berwyn, and V. Allen, assignors to The Conover Company, Chicago, Ill. Cleaning washing machines. 1,770,556; July 15.
- Stoddard, Harry B., Syracuse, N. Y. Cooling system for internal-combustion engines. 1,742,424; Jan. 7.
- Stoddard, Robert, assignor to Milk Bottle Crate Company, Chicago, Ill. Milk-bottle crate. 1,781,825; Nov. 18.
- Stoddard, William B., Stamford, Conn., assignor to Pilot Laboratory, Inc., Arlington, N. J. Bleaching method and composition. 1,754,914; Apr. 15.
- Stoddard, William B., Stamford, Conn., and V. R. Kokatnur, New York, N. Y., assignors to Pilot Laboratory, Inc., Arlington, N. J. Bleaching agent and making the same. 1,787,402; Dec. 30.
- Stoddard, William B., Stamford, Conn., R. V. Townend and V. R. Kokatnur, Kearny, assignors to Pilot Laboratory, Inc., Arlington, N. J. Unsymmetrical organic peroxide bleaching agent and preparing the same. 1,754,913; Apr. 15.
- Stodder, Clement K., Brookline, Mass. Filling and binding composition. 1,785,053; Dec. 16.
- Stodder, Clement K., Brookline, Mass. Producing soap powder from soap stock high in fatty acid. 1,785,054; Dec. 16.
- Stoeck, Max. (See Gosmann, W., and Stoeck.)
- Stoecker, Julius, Bochum, Germany. Device for retaining the flue dust in blast furnaces. 1,742,733; Jan. 7.
- Stoecklin, Josef. (See Kopelowitsch, J., and Stoecklin.)
- Stoecklin, Josef, Zurich, Switzerland, and A. Roth, Bron, near Lyon, France, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Relay system. 1,745,386; Feb. 4.
- Stoecklin, Josef, Zurich, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rotary magnet. 1,764,658; June 17.
- Stoefen, Robert R. (See Oberg, A. J., and Stoefen.)
- Stoehr, Moriz, New York, N. Y. Keyboard music instrument. 1,775,330; Sept. 9.
- Stoehr, Washington A., Reserve Township, Allegheny County, Pa. Corner element for wall-veneering material. 1,770,599; July 15.
- Stoeckle, Erwin R., assignor to Central Radio Laboratories, Milwaukee, Wis. Electrical resistance. 1,767,715; June 24.
- Stoeckle, Erwin R., assignor to Central Radio Laboratories, Milwaukee, Wis. Electrical resistance and making same. 1,767,716; June 24.
- Stoeckle, Erwin R., Milwaukee, Wis. Vacuum-tube circuits and the like and controlling the same. 1,773,503; Aug. 19.
- Stoeltzlen, Charles L., Erie, Pa., assignor to Penn-Union Electric Corporation, Connector. Re17,880; Nov. 25.
- Stoeltzlen, Leo V., assignor to Reed Manufacturing Company, Erie, Pa. Diestock. 1,781,936; Nov. 18.
- Stoewener, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of active silica. 1,748,315; Feb. 25.
- Stoewener, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacturer of active silica. 1,751,955; Mar. 25.
- Stoewener, Fritz, Ludwigshafen-on-the-Rhine, and E. Münzing, Neurossen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Highly-active absorbent and catalytic mass. 1,760,289; May 27.
- Stoffels, Andreas J. M., and H. T. van der Wissel, The Hague, Netherlands. Impregnating bricks and like materials. 1,784,164; Dec. 9.
- Stoffels, Josef, assignor to Maschinenfabrik Esslingen, Esslingen, Germany. Process and apparatus for melting solid carbon dioxide. 1,742,975; Jan. 7.
- Stoffel, Simon H., assignor to Machinefabrik Reineveld, Delft, Netherlands. Laundry ironing machine. 1,757,344; May 6.
- Stohr, Phillip L., assignor to Mid-West Bottle Cap Co., Belvidere, Ill. Milk-bottle cap. 1,755,493; Apr. 22.
- Stokeley, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,753,321; Apr. 8.
- Stoker Matic Corporation, The. (See Rieger, William F., assignor.)
- Stoker, Paul P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,742,734; Jan. 7.
- Stoker, Paul P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,750,247; Mar. 11.
- Stoker, Paul P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote-control apparatus. 1,781,963; Nov. 18.
- Stoker, Paul P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train-counting apparatus. 1,782,052; Nov. 18.
- Stokes and Smith Company. (See Stokes, John S., assignor.)
- Stokes, Antony S., Ipswich, England. Traveling crane. 1,755,138; Apr. 15.
- Stokes, Charles L., Los Angeles, Calif. Hub cap. 1,766,313; June 24.
- Stokes, Charles L., Los Angeles, Calif. Controlling the output of electrical machines. 1,768,165; June 24.
- Stokes, Charles L., Los Angeles, Calif. Pneumatic-steering mechanism. 1,775,176; Sept. 9.
- Stokes, Charles L., Los Angeles, Calif. Destroying insect life on vegetation. 1,775,703; Sept. 16.
- Stokes, Charles L., Los Angeles, Calif., assignor to C. B. Camp, trustee, Glencoe, Ill. Regulating fuel. 1,750,766; Mar. 18.
- Stokes, Charles L., Los Angeles, Calif., assignor to C. B. Camp, trustee, Glencoe, Ill. Automatic fuel regulator. 1,764,659; June 17.
- Stokes, Charles L., Los Angeles, and C. F. Lienesch, Long Beach, Calif. Pneumatic steering mechanism. 1,777,109; Sept. 30.
- Stokes, Douglas H., Cremorne, near Sydney, New South Wales, Australia. Electrically-operated lawn mower. 1,782,636; Nov. 25.
- Stokes, F. J., Machine Company. (See Bailey, Lawrence H., assignor.)
- Stokes, Francis J., Philadelphia, Pa. Finishing yarns or fabrics. 1,779,831; Oct. 28.
- Stokes, Francis J., Philadelphia, Pa. Compressing machine. 1,786,637; Dec. 30.
- Stokes, John C., Houston, Tex. Supporting sucker-rod and pump lines. 1,742,940; Jan. 7.
- Stokes, John C., Houston, Tex. Drill pipe. 1,746,132; Feb. 4.

- Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Overshot. 1,771,066; July 22.
- Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,778,966; Oct. 21.
- Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Method of and apparatus for elevating devices in wells. 1,779,567; Oct. 28.
- Stokes, John S. (See Novotny, Emil E., assignor.)
- Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Package, wrapper, and method of applying wrappers to containers. 1,784,317; Dec. 9.
- Stokes, Margaret, et al., executors. (See Howell, Robert R.)
- Stokes & Smith Company. (See Federwitz, Theodore A., assignor.)
- Stokes and Smith Company. (See Federwitz, T. A., and Bailey, assignors.)
- Stokes, William C., Good Ground, N. Y. Vehicle driving mechanism. 1,773,206; Aug. 19.
- Stokes, William F., assignor of one-half to G. M. Rodgers, St. Louis, Mo. Barber chair. 1,773,504; Aug. 19.
- Stolberg, Emil C., East Orange, N. J., assignor to American Car and Foundry Company, New York, N. Y. Wheel-breaking machine. 1,784,471; Dec. 9.
- Stoler, Edward W., Mansfield, Ohio. Swaging mechanism for nipples. 1,763,938; June 17.
- Stoll, Albert, Koblenz, Switzerland. Tilting chair. 1,755,228; Apr. 22.
- Stoll, Berry V., assignor to Stoll Oil Refining Company, Louisville, Ky. Gasoline-filtering system and apparatus. 1,752,709; Apr. 1.
- Stoll, Charles, Rockaway Beach, assignor to Central Furniture Frame Co. Inc., Brooklyn, N. Y. Settee or similar article. Des. 80,642; Mar. 4.
- Stoll, Charles, Rockaway Beach, assignor to Central Furniture Frame Co. Inc., Brooklyn, N. Y. Settee or similar article. Des. 80,703; Mar. 11.
- Stoll, Charles, Rockaway Beach, assignor to Central Furniture Frame Co. Inc., Brooklyn, N. Y. Settee or similar article. Des. 80,704; Mar. 11.
- Stoll, Charles, Rockaway Beach, assignor to Central Furniture Frame Co. Inc., Brooklyn, N. Y. Settee or similar article. Des. 80,705; Mar. 11.
- Stoll, Charles, Rockaway Beach, assignor to Central Furniture Frame Co. Inc., Brooklyn, N. Y. Settee or similar article. Des. 80,706; Mar. 11.
- Stoll, Henry C., Bronx, N. Y. Cigarette dispenser or the like. Des. 81,507; July 1.
- Stoll, Henry C., Bronx, assignor to University Manufacturing & Sales Co. Inc., New York, N. Y. Cigarette box. 1,743,498; Jan. 14.
- Stoll, Henry C., Bronx, assignor to University Manufacturing & Sales Co. Inc., New York, N. Y. Cigarette box. 1,743,499; Jan. 14.
- Stoll, Henry C., Bronx, assignor to University Manufacturing & Sales Co. Inc., New York, N. Y. Cigarette container. 1,777,813; Oct. 7.
- Stoll Oil Refining Company. (See Stoll, Berry V., assignor.)
- Stollberg, Charles, assignor to American Can Company, New York, N. Y. Attachment of keys to cans. 1,754,447; Apr. 15.
- Stollberg, Walter C., assignor of one-half to H. M. Sheer Company, Quincy, Ill. Oil-well control. 1,754,061; Apr. 8.
- Stolle, Frank C., Webster Groves, assignor to Stolle Road Equipment Co., St. Louis, Mo. Road-material spreader. 1,753,811; Apr. 8.
- Stolle Road Equipment Co. (See Stolle, Frank C., assignor.)
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric regulator. 1,763,016; June 10.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,763,017; June 10.
- Stoller, Hugh M., Mountain Lakes, N. J., and E. R. Morton, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed regulator. 1,763,909; June 17.
- Stoller, Hugh M., Mountain Lakes, and G. C. Porter, Midland Park, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,756,573; Apr. 29.
- Stoller, Michael G., Paulding, Ohio. Railroad crossing. 1,782,182; Nov. 18.
- Stolp, Samuel S., assignor to Cheatham Electric Switching Device Co., Louisville, Ky. Electrically-operated track switch. 1,743,405; Jan. 14.
- Stolp, Samuel S., Louisville, Ky., assignor to Cheatham Electric Switching Device. Electric switch control. 1,769,278; July 1.
- Stolpe, David E., New York, N. Y. Vacuum-cleaner bag. 1,764,127; Jan. 17.
- Stoltenberg, Louis, Oakland, Calif. Potato sorter and sacker. 1,747,266; Feb. 18.
- Stoltz, Carl F. (See Schwendt, B. J., and Stoltz.)
- Stoltz, Carl F., Delhi, Ohio, and G. W. Ferling, Indianapolis, Ind., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for testing automatic train-control equipment. 1,780,726; Nov. 4.
- Stoltz, Lawrence C. (See Darby, James K., assignor.)
- Stoltz, Glenn B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,745,873; Feb. 4.
- Stoltz, Glenn E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Series exciter. 1,764,365; June 17.
- Stolz, Otto G., Chicago, Ill. Air valve. 1,777,385; Oct. 7.
- Stone, Abraham, and M. Frost, Brooklyn, N. Y. Making garment bags. 1,774,906; Sept. 2.
- Stone, Albert L. (See Stone, Frederick and A. L.)
- Stone, August W. (See Wheat, W. T., and Stone.)
- Stone, Axel H., Detroit, Mich. Aeroplane. 1,770,019; July 8.
- Stone, Perry J. (See McLaughlin, T., and Stone.)
- Stone, Edmund J., New York, N. Y. Street sign and traffic signal. 1,751,564; Mar. 25.
- Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Hartford Carpet Company, Thompsonville, Conn. Pile-fabric loom. 1,742,881; Jan. 7.
- Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Hartford Carpet Company, Thompsonville, Conn. Protector mechanism for looms. 1,742,882; Jan. 7.
- Stone, Edwin W., Longmeadow, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Take-up mechanism for looms. 1,748,000; Feb. 18.
- Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Pile-fabric loom. 1,771,662; July 29.
- Stone, Edwin W., Longmeadow, Mass., and E. Martin, Suffield, assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Electrically-driven loom. 1,782,945; Nov. 25.
- Stone, Elmer B., New Britain, Conn. Combination catch and lock. Des. 80,584; Feb. 25.
- Stone, Ernest V., Long Beach, Calif. Parachute ejector. 1,770,954; July 22.
- Stone, Fred, Gladwater, Tex. Sunshade for vehicles. 1,754,777; Apr. 15.
- Stone, Fred E., Limerick, Me. Automatic gear shift. 1,769,193; July 1.
- Stone, Fred L., Schenectady, N. Y., assignor to General Electric Company. Synchronous motor control. 1,751,427; Mar. 18.
- Stone, Frederick, Los Angeles, and A. L. Stone, Redondo Beach, assignors to Doheny-Stone Drill Co., Los Angeles, Calif. Overshot. 1,785,152; Dec. 16.
- Stone, Frederick and A. L., Glendale, assignors to Doheny-Stone Drill Co., Los Angeles, Calif. Rotary table and pipe-gripping means therefor. 1,777,587; Oct. 7.
- Stone, George M., and G. W. Cuyler, Cedar Rapids, Iowa. Locomotive journal box. 1,767,411; June 24.
- Stone, Harry, assignor to Standard Novelty & Lamp Company, Chicago, Ill. Lamp stand. Des. 82,228; Oct. 7.
- Stone, Henry A. (See Weissman, E. G., and Stone.)
- Stone, Henry A., Bogota, N. J. Apparatus for coating articles. 1,764,423; June 17.
- Stone, Herbert S. (See Edson, J. W., Stone, and Arnold.)
- Stone, Herman, Greeley, Colo. Harrow. 1,755,229; Apr. 22.
- Stone, J., & Company. (See Hatcher, Ernest C., assignor.)
- Stone, J., & Company Limited. (See Honey, Alfred E., assignor.)
- Stone, J., & Company Limited. (See Martin, F. G., and Ramsay, assignors.)
- Stone, James, La Crosse, Wis. Bracket. 1,743,406; Jan. 14.
- Stone, John H., Buffalo, N. Y. Controlling device for awnings. 1,778,404; Oct. 14.
- Stone, John McW., assignor to Operadio Manufacturing Co., St. Charles, Ill. Loud-speaker. Des. 81,030; Apr. 22.
- Stone, John S., assignor to Penrod Walnut and Veneer Company, Kansas City, Mo. Stay log. 1,786,460; Dec. 30.
- Stone, Junius H., Port Washington, N. Y. Building construction. 1,784,502; Dec. 9.
- Stone, Lawrence, Jr., Denver, Colo. Voice-recording apparatus. 1,760,021; May 27.
- Stone, Nathaniel B., Washington, D. C. Wrench. 1,754,062; Apr. 8.
- Stone, Nellie, Willamina, Oreg. Marceling iron. 1,756,104; Apr. 29.
- Stone, Randolph, and J. Cameron, Chicago, Ill. Egg beater. 1,768,012; June 24.
- Stone Straw Corporation. (See Maltby, Sidney T., assignor.)
- Stone, Thomas W., assignor to Western Gas Construction Company, Fort Wayne, Ind. Charging-door construction. 1,748,316; Feb. 25.
- Stone, Thomas W., assignor to The Western Gas Construction Company, Fort Wayne, Ind. Making water gas. 1,771,067; July 22.
- Stone, Thomas W., assignor to The Western Gas Construction Company, Fort Wayne, Ind. Water-gas process. 1,784,765; Dec. 9.
- Stone, Wallace E. C., Los Angeles, Calif. Dirigible headlight. 1,752,861; Apr. 1.
- Stone, Walter C., Webster Groves, Mo. Refrigerator car. 1,760,182; May 27.
- Stone, Walter L. (See Andrews, David E., assignor.)
- Stone, Walter R. (See Losey, J. B., and Stone.)
- Stone, William S., Green Township, Hocking County, Ohio. Burial vault. 1,772,762; Aug. 12.
- Stone, William T., Donnellson, Iowa. Battery-terminal connector. 1,779,756; Oct. 28.
- Stonebraker, Harold E., Rochester, N. Y. Case for clinical thermometers. 1,786,271; Dec. 23.

- Stoner-Ames Brake Company. (See Stoner, George H., assignor.)
- Stoner, Charles M., assignor to The Wolf Company, Chambersburg, Pa. Pulverizing machine. 1,769,867; July 1.
- Stoner, Charles M., assignor to The Wolf Company, Chambersburg, Pa. Cutting machine. 1,769,888; July 1.
- Stoner, Frank, Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Load-handling mechanism. 1,757,150; May 6.
- Stoner, Frederick B., March Field, Calif. Splicing clamp tool. 1,779,053; Oct. 21.
- Stoner, George H., East Boston, assignor, by mesne assignments, to Stoner-Ames Brake Company, Inc., Boston, Mass. Brake. 1,761,027; June 3.
- Stoner, George H., East Boston, assignor, by mesne assignments, to Stoner-Ames Brake Company, Inc., Boston, Mass. Brake. 1,779,197; Oct. 21.
- Stoner, George H., East Boston, assignor, by mesne assignments, to Stoner-Ames Brake Company, Inc., Boston, Mass. Internal expansion brake. 1,786,461; Dec. 30.
- Stoner, Harvey H., Springfield, and W. D. Stoner, Dayton, Ohio. Aerial scooter. Des. 82,189; Sept. 30.
- Stoner, Willis D. (See Stoner, Harvey H. and W. D.)
- Stones, Charles W. (See Chater, G. W., and Stones.)
- Stoney, Malcolm P. (See Evans, P., and Stoney.)
- Stoney, John T., Lakewood, Ohio. Apparatus for discharging cores from castings and for cleaning castings. 1,765,462; June 24.
- Stoney, John T., Cleveland, Ohio. Apparatus for cleaning castings. 1,768,428; June 24.
- Stoney, John T., Cleveland, Ohio. Forming sand molds. 1,768,429; June 24.
- Stoney, John T., Cleveland, Ohio. Method and apparatus for forming greensand cores. 1,768,802; July 1.
- Stoody Company. (See Stoody, Winston F. and S. M., and Cole, assignors.)
- Stoody, Shelley M. (See Stoody, Winston F. and S. M., and Cole, assignors.)
- Stoody, Winston F. and S. M., and N. W. Cole, assignors to Stoody Company, Whittier, Calif. Welding rod. 1,757,601; May 6.
- Stopford, Alice M., New York, N. Y. Medicament applicator for feet. 1,761,501; June 3.
- Stoppel, Louis D., Isleton, Calif. Asparagus-cutting machine. 1,785,795; Dec. 23.
- Stopperless Water Bottle Company. (See Reach, Milton B., assignor.)
- Stora, Sylvester. (See Alderfer, A. L., and Stora.)
- Storaasli, Oscar A., Toppenish, Wash. Link hook. 1,757,097; May 6.
- Storck, Emil G., assignor to Moore Push Pin Company, Philadelphia, Pa. Merchandise-display card. 1,761,417; June 3.
- Storer, George E., Avonmouth, assignor to National Processes Limited, London, England. Apparatus for the roasting or sintering of ores and the like. 1,778,872; Oct. 21.
- Storey, Donald E., et al. (See Shaw, Al B., assignor.)
- Storey, Dorothy M., et al. (See Shaw, Al B., assignor.)
- Storey, Eleanor M., et al. (See Shaw, Al B., assignor.)
- Storey, Frank E. (See Bateman, A. T., and Storey.)
- Storey, Frederick A. (See Lake, C. D., and Storey.)
- Story, John H., Oakland, Calif. Roller screen. 1,786,550; Dec. 30.
- Storey, Norman C., Passaic, N. J. Tilling machine. 1,743,836; Jan. 14.
- Storey, Oliver W., and M. Kliefoth, assignors to C. F. Burgess Laboratories, Inc., Madison, Wis. Water-resistant composition of matter. 1,742,794; Jan. 7.
- Storey, Willard M., Winston-Salem, N. C. Fastener for packing cases. 1,780,544; Nov. 4.
- Storfer, Benson, Brooklyn, assignor to Storfer Laboratories, Inc., New York, N. Y. Perfume bottle or similar article. Des. 80,643; Mar. 4.
- Storfer Laboratories, Inc. (See Storfer, Benson, assignor.)
- Storkline Furniture Corporation. (See Michal, James, assignor.)
- Storm, Arthur V., Minneapolis, Minn. Hospital table. 1,770,955; July 22.
- Storm, Hans O., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Harmonic generator system. 1,779,198; Oct. 21.
- Stormont, Owen, assignor of one-fourth to S. Hines, and one-fourth to W. Hines, Burnsville, Miss. Railroad-tie-lifting jack. 1,747,330; Feb. 18.
- Stormvision Corporation. (See Hupp, Albert, assignor.)
- Storrie, William, Providence, R. I., assignor to Apco Mossberg Corporation, Attleboro, Mass. Windshield wiper. 1,755,155; Apr. 15.
- Storrie, William, Providence, R. I., assignor to Apco Mossberg Corporation, Attleboro, Mass. Windshield-wiper blade. 1,771,824; July 29.
- Storts, Edward D. (See Woodruff, S. G., and Storts.)
- Story, Byron T. (See Funk, Hugo A., assignor.)
- Story & Clark Radio Corp. (See Minnum, Byron B., assignor.)
- Story, Elliott M., Worcester, Mass. Container-charging ice-cream scoop. 1,756,609; Apr. 29.
- Stott, Harold R., Philadelphia, Pa. Photographer's flash gun. 1,755,707; Apr. 22.
- Stott, John H., Glen May, Derby County, England. Laminated spring. 1,748,528; Feb. 25.
- Stouffer, Howard O., Watertown, Pa. Sight level. 1,761,851; June 3.
- Stough, Turney H., Jeannette, Pa. Hot-plate attachment for cooking utensils. 1,777,940; Oct. 7.
- Stout, Chauncey H., Orange, Calif. Protecting tray for valve chambers. 1,760,469; June 24.
- Stout, Edward E. (See Weydell, Earl M., assignor.)
- Stout Manufacturing Company. (See Krause, Hermann, assignor.)
- Stout, Harold E., West Reading, Pa. Mailing tube. 1,774,851; Sept. 2.
- Stout, Harold E., West Reading, Pa. Manufacturing sinkers for knitting machines. 1,784,256; Dec. 9.
- Stout, Hugh A., Shawnee, Okla. Combined display and storage device. 1,781,769; Nov. 18.
- Stout Manufacturing Company. (See Krause, Hermann, assignor.)
- Stout, Samuel J. T. (See Gottlieb, I., and Stout.)
- Stout, William B., Detroit, Mich. Convertible chair. 1,767,488; June 24.
- Stout, William B., Detroit, assignor to Ford Motor Company, Highland Park, Mich. Airplane landing gear. 1,760,890; June 3.
- Stout, William B., Detroit, assignor to Ford Motor Company, Highland Park, Mich. Airplane control. 1,785,879; Dec. 23.
- Stovall, Fred. (See Halle, Bobbe, assignor.)
- Stover, Howard L., Williamsport, Pa. Garment hanger. 1,781,991; Nov. 18.
- Stover, John L., Kenmore, Ohio. Spring shackle. 1,767,717; June 24.
- Stover Manufacturing & Engine Co. (See Richards, Frederick T., assignor.)
- Stover Manufacturing & Engine Co. (See Smith, Walter A., assignor.)
- Stover, Murray A., Pasadena, Calif. Saxophone. 1,777,902; Oct. 7.
- Stover, Paul A., and N. A. Young, assignors to Badger Gummed Tape Co., Racine, Wis. Gummed-tape dispenser. 1,774,042; Aug. 26.
- Stover, Russell, Denver, Colo. Bungalow box. Des. 81,263; May 27.
- Stover, Russell, Denver, Colo. Apparatus and method for maintaining chocolate in melted condition. 1,759,964; May 27.
- Stover, William H., Colwich, Kans. Agricultural implement. 1,755,085; Apr. 15.
- Stow, Audley H., Charleston, W. Va., assignor, by mesne assignments, to Sanford Investment Company, Wilmington, Del. Mine car and the like. 1,772,967; Aug. 12.
- Stowe, Herbert L., Bridgeport, Conn. Novelty noise maker. 1,760,022; May 27.
- Stowe, Roy C., assignor to A. T. Cross Pencil Co., Providence, R. I. Mechanically-fed lead pencil. 1,754,002; Apr. 8.
- Stowe & Woodward Company. (See Phelps, James W., assignor.)
- Stowell, Byron F. (See Van Norman, C. E., and Stowell.)
- Stowell, Jonathan R., Vancouver, British Columbia, Canada. Saw-sharpening device. 1,756,399; Apr. 29.
- Stowell, Samuel N., Yuba City, assignor of one-fourth to E. A. E. Rattray, Marysville, Calif. Auto sled. 1,753,160; Apr. 1.
- Stoya, Paul, Kloster Wennigsen am Deister, Germany. Sliding catch. 1,754,867; Apr. 15.
- Stoyanoff, Christo, Toronto, Ontario, Canada. Soft-drink-dispenser base. Des. 81,764.
- Straayer, Martin J., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Wall-case construction. 1,754,245; Apr. 15.
- Strachan, Douglas S. (See Millar, C. R., and Strachan.)
- Strachan, Thomas H., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,760,611; May 27.
- Strachan, Thomas H., Lynbrook, N. Y., assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale. 1,762,204; June 10.
- Stracke, Peter M., Racine, Wis. Variable-speed transmission. 1,766,266; June 24.
- Strader, Alfred, Columbus, Ohio. Spinning machine. 1,758,864; May 13.
- Stragiotti, Pietro, assignor to F. Pagliani, Turin, Italy. Autotransformer for alternating current having variable transformation ratios. 1,767,947; June 24.
- Strahan, James L. (See Marsh, C. A., Strahan, and Neher.)
- Straight-Side Basket Corporation, The. (See Dudley, Colon J., assignor.)
- Strain, Harry A., Chicago, Ill. Gas washer. 1,766,267; June 24.
- Strain, Leslie M., Mitchell, S. Dak. Purifier for cisterns. 1,759,141; May 20.
- Strain, Robert L., Garnett, Kans. Egg-turning device. 1,766,410; June 24.
- Strain, William J., Upper Montclair, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Roller arrangement for printing presses. 1,755,278; Apr. 22.
- Strait, Hosea, H., Overland, Mo. Paper-fed guide for platen presses. 1,778,469; Oct. 14.
- Strait, Howard W. (See Morgan, O., and Strait.)
- Straker, Joseph E., assignor to The Watson Company, Attleboro, Mass. Spoon or similar article. Des. 80,336; Jan. 14.
- Stranahan, Samuel A., Flint, assignor to General Motors Corporation, Detroit, Mich. Muffler. 1,756,916; Apr. 29.

- Stranahan, Samuel A., Flint, assignor to General Motors Corporation, Detroit, Mich. Steel-plate spring shackles. 1,783,394; Dec. 2.
- Stranahan, Samuel A., Flint, assignor to General Motors Corporation, Detroit, Mich. Radiator mounting. 1,784,766; Dec. 9.
- Strandell, Johannes G. A., Chicago, Ill. Split-clamping-rig construction. 1,779,220; Oct. 21.
- Strandgren, Carl B., Le Vesinet, France. Turbine-wheel propeller and motor. 1,753,252; Apr. 8.
- Strandlund, Carl G. (See Brown, T., and Strandlund.)
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Power-life plow. 1,745,513; Feb. 4.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Cultivator. 1,775,835; Sept. 16.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 1,787,127; Dec. 30.
- Strand, Arthur G., assignor to Simplex Heat Regulator Company, Minneapolis, Minn. Thermostatic instrument. 1,773,761; Aug. 26.
- Strand, John M., assignor to Western Stoneware Co., Monmouth, Ill. Mold for stoneware jars and the like. 1,747,192; Feb. 18.
- Strand, John M., Monmouth, Ill., assignor to Western Stoneware Company. Trimmer for pottery making machines. 1,775,215; Sept. 9.
- Strand, Knut M., Drammen, Norway. Electrical switch. 1,746,870; Feb. 11.
- Strand, Nels A., Evanston, Ill. Driving mechanism. 1,785,055; Dec. 16.
- Strandt, Gustav E., Milwaukee, Wis., assignor, by mesne assignments, to Cherry-Burrell Corporation, Cedar Rapids, Iowa. Bottle filler and capper unit. 1,766,962; June 24.
- Strandt, Gustav E., and A. J. Lippold, Milwaukee, Wis., assignors, by mesne assignments, to Cherry-Burrell Corporation, Cedar Rapids, Iowa. Adjustable positioning mechanism for bottle cappers. 1,779,683; Oct. 28.
- Strange, Robert W., Melbourne, Victoria, Australia. Television. 1,776,298; Sept. 23.
- Strano, Pasquall, Elizabeth, N. J. Wheel brake for motor vehicles. 1,773,762; Aug. 26.
- Stransky, Charles W., Francis Creek, Wis. Cleat-forming tool. 1,749,517; Mar. 4.
- Stransky, John A. (See Newton, Frank W., assignor.)
- Strasser Automatic Golf Systems, Inc. (See Strasser, Richard H., assignor.)
- Strasser, Richard H., assignor to Strasser Automatic Golf Systems, Inc., Newark, N. J. Automatic golf link. 1,761,317; June 3.
- Strassheim, Christopher. (See Hawes, Charles L., assignor.)
- Stratford, Charles W., San Francisco, Calif. Device for separating liquids. 1,777,535; Oct. 7.
- Stratford, Charles W., San Francisco, Calif. Heating fluids and apparatus used therefor. 1,779,199; Oct. 21.
- Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Surfacing apparatus. 1,778,470; Oct. 14.
- Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Surfacing apparatus. 1,778,471; Oct. 14.
- Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Surfacing apparatus. 1,779,682; Oct. 28.
- Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Surfacing apparatus. 1,786,320; Dec. 23.
- Stratford, Reginald K., Sarnia, Ontario, Canada., assignor to Standard Oil Development Company. Process and apparatus for treating hydrocarbon oils. 1,768,342; June 24.
- Strathern, Alexander G., Glasgow, Scotland. Apparatus for sorting letters, packets, and other articles. 1,754,726; Apr. 15.
- Stratmore Company, The. (See Stratford, Herbert R., assignor.)
- Stratomeyer, Karl, The Hague, assignor to Naamlooze Venootschap: Hollandsche Industrie-en Handelsmaatschappij, The Hague, Netherlands. Gun mount. 1,771,663; July 29.
- Stratton, Mark H., Ridgewood, N. Y., assignor to Griplock Incorporated, New York, N. Y. Wire-strapping tool. 1,776,868; Sept. 30.
- Stratton, Nathaniel A., Brooklyn, N. Y., assignor of forty-nine one-hundredths to P. A. Bachor. Air purifier. 1,778,571; Oct. 14.
- Stratton, Ruel C., as trustee. (See Amyot, Joseph E., assignor.)
- Straub, Charles J., Gowanda, N. Y. Holder for cut flowers. 1,762,843; June 10.
- Straub, Emile, Emmishofen, Switzerland. Apparatus for stretching the material for handkerchief embroidery in the shuttle embroidery machine. 1,751,428; Mar. 18.
- Straub, Francis J., New Kensington, Pa. Building block. 1,766,561; June 24.
- Straub, Francis J., and Joseph T. Weinzierl, New Kensington, Pa. Gear-shifting mechanism. 1,749,962; Mar. 11.
- Straub, Fritz, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs containing chromium and making same. 1,775,477; Sept. 9.
- Straub, Fritz, and W. Anderau, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs containing metals and making same. 1,786,272; Dec. 23.
- Straub, Fritz, J. Gyr, and O. Kaiser, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of dyestuffs containing metal. 1,779,298; Oct. 21.
- Straub, Fritz, and H. Mayer, Basel, and H. Schneider, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs containing sulphur and chromium and making same. 1,758,865; May 13.
- Straub, Joseph E., Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,768,166; June 24.
- Straube, John F., Elkhorn, assignor of one-fourth to N. Swanson, Fremont, Nebr. Spike-drawing device. 1,782,487; Nov. 25.
- Straubel, Frederick L. G., Green Bay, Wis. Sorting device. 1,764,128; June 17.
- Straus, Alexander H., New York, N. Y. Apron. 1,759,423; May 20.
- Straus, David Co., assignor to Sharp & Smith, Chicago, Ill. Retractor. 1,747,799; Feb. 18.
- Straus, Edith G. (See Whitman, John F., jr., assignor.)
- Straus, Philip R., Baltimore, Md. Camera strap for measuring distances. 1,750,370; Mar. 11.
- Strausbaugh, Carey E., Chillicothe, Ohio. Coal-car stake-straightening device. 1,787,095; Dec. 30.
- Strauss, Alfred J., Louisville, Ky., assignor, by mesne assignments, to E. W. Elithorpe, Minneapolis, Minn. Show case for store doors. Re17,702; Mar. 17.
- Strauss, Arthur C., and D. W. Blair, Los Angeles, Calif. Tooth-paste dispenser. 1,763,273; June 10.
- Strauss, Benno, Essen-Bredeney, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Steel alloy insensible to hot gases and vapors. 1,787,403; Dec. 30.
- Strauss, Eduard W., Lubeck, Germany. Air filter. 1,743,050; Jan. 7.
- Strauss, Edward E. (See Strauss, Emil A., assignor.)
- Strauss, Emil A., assignor to E. E. Strauss, Wilmette, Ill. Stepladder. 1,759,424; May 20.
- Strauss, Ferdinand, Inc. (See Conboy, Russell D., assignor.)
- Strauss, Hermann M. A. (See Halstead, J. P., and Strauss.)
- Strauss, Herman M. A., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Waffle iron. 1,764,908; June 17.
- Strauss, John N., Buffalo, assignor to Morgan, Blodgett, Morgan, Inc., New York, N. Y. Shock absorber. 1,773,207; Aug. 19.
- Strauss, Joseph B., Chicago, Ill. Laminated eyebars and making the same. 1,744,588; Jan. 21.
- Strauss, Joseph B., Chicago, Ill. Yielding barrier for vehicles. 1,748,563; Feb. 25.
- Strauss, Joseph B., Chicago, Ill. Prison-door operator. 1,757,751; May 6.
- Strauss, Joseph B., Chicago, Ill. Bridge. 1,778,234; Oct. 14.
- Strauss, Louis, Chicago, Ill. Cake plate. 1,771,589; July 29.
- Strauss, Nathan J., Lynbrook, N. Y., assignor of one-third to Freyberg Bros., Inc., New York, N. Y., and two-thirds to J. Silberman and L. Kahn, trading as Resisto Manufacturing Company, Baltimore, Md. Tie, tie-piece goods, and method of making. 1,782,183; Nov. 18.
- Strausser, Herbert S., assignor to Otis Manufacturing Co., Chicago, Ill. Pocket lighter. Des. 80,707; Mar. 11.
- Strausser, Herbert S., assignor to Otis Manufacturing Company, Chicago, Ill. Pocket lighter. 1,769,971; July 8.
- Straw, Bernard W., Mount Airy, Md., assignor to Automatic Ballast Spreader Corporation, Wilmington, Del. Discharging ballast. 1,743,579; Jan. 14.
- Strawbridge & Clothier. (See Fountain, Levi W., assignor.)
- Strawn, Marion L., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Speed-regulating device. 1,749,004; Mar. 4.
- Strawn, Marion L., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for preparing members for assembly. 1,768,270; June 24.
- Strawn, Thomas C., Salem, Ohio. Garden implement. 1,752,467; Apr. 1.
- Strayer, Arthur C., New Brighton, Pa. Bag. 1,748,529; Feb. 25.
- Strehly, Ray D., assignor to The Timken Roller Bearing Company, Canton, Ohio. Lapping tool. 1,756,014; Apr. 29.
- Strecker, Ottheinrich, Darmstadt, Germany. Producing printing images on printing plates. 1,777,706; Oct. 7.
- Strecker, Karl, Karlsruhe-Grünwinkel, Germany. Hydraulic change-speed gearing. 1,779,757; Oct. 28.
- Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Meat clamp for slicing machines. 1,748,685; Feb. 25.
- Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Meat clamp. 1,760,669; May 27.
- Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Meat slicer. 1,760,670; May 27.
- Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Meat slicer. 1,787,288; Dec. 30.

- Street, Joseph P., Chattanooga, Tenn. Cableway carriage. 1,776,958; Sept. 30.
- Street, Joshua H., Chattanooga, Tenn. Slack-line excavator. 1,759,525; May 20.
- Streeter, Edwin H., assignor to Wood Conversion Company, Cloquet, Minn. Suction box. 1,763,910; June 17.
- Street-Wilson, William. (See Griffiths, J. P., and Street-Wilson.)
- Strehle, Julius, Esslingen-on-the-Neckar, assignor to A. H. Schmidt, Stuttgart, Germany. Saw-sharpening machine. 1,748,686; Feb. 25.
- Strehlenert, Robert W., Nol, Sweden. Fuel and making same. 1,743,985; Jan. 14.
- Strehler, Hans, Lyss, Switzerland. Device for alternately filling and emptying measuring vessels. 1,745,387; Feb. 4.
- Streich, Frank, assignor to Union Machinery Company, Joliet, Ill. Dough divider. 1,757,099; May 6.
- Streich, Frank, and W. P. Elwood, assignors to Union Machinery Company, Joliet, Ill. Mixing machine. 1,757,098; May 6.
- Streich, Frank, and W. P. Elwood, assignors to Union Machinery Company, Joliet, Ill. Mixing machine. 1,757,818; May 6.
- Streich, Gordon R., Buffalo, N. Y. Curtain and valance or lambrequin support. 1,749,450; Mar. 4.
- Streichen, John, et al. (See Drahonovsky, John B., assignor.)
- Streit, Carl F., Cincinnati, Ohio. Chair or similar article. Des. 82,592; Nov. 18.
- Streitwieser, Henry E., Worden, assignor of one-half to J. E. Peterson, Huntley, Mont. Coal carrier. 1,760,793; May 27.
- Streitwolf, Karl. (See Kolle, W., Streitwolf, and Fehrle.)
- Streitwolf, Karl, Frankfort-on-the-Main, and A. Fehrle, Bad-Soden-on-the-Taunus, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Thiosemicarbazones of hydroxy arsenobenzenes and preparing the same. 1,785,660; Dec. 16.
- Strelzin, A. A., et al. (See Drahonovsky, John B., assignor.)
- Stremberger, George, Butte, Mont. Pneumatic brake. 1,770,717; July 15.
- Stempel, Julius J., assignor of one-half to J. H. Kahn, Haskell, Tex. Adjustable roller bearing. 1,758,479; May 13.
- Stresau, Richard, Wauwatosa, Wis. Antiglare roller curtain for automobiles. 1,774,112; Aug. 26.
- Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Coated metallic arc weld rod and making the same. 1,754,063; Apr. 8.
- Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Covered weld rod for electric-arc welding. 1,754,206; Apr. 8.
- Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Manufacturing electrically-welded vessels. 1,784,080; Dec. 9.
- Streubel, Karl A., St. Louis, Mo. Hat ventilator. Des. 82,064; Sept. 16.
- Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Cotton picker. 1,750,439; Mar. 11.
- Strezynski, George J., Kingston, N. Y. Hydraulic clutch. 1,752,862; Apr. 1.
- Stribling, Jesse C., assignor of one-half to R. J. Ramer, Anderson, S. C. Valve tool. 1,760,725; May 27.
- Stricker, William, Kansas City, Mo. Needle. 1,769,319; July 1.
- Stricker, Willy, assignor to C. Richter, Hanover, Germany. Apparatus for spraying heavy oils. 1,758,984; May 20.
- Strickland, David J., Beacon, N. Y. Brick kiln. 1,772,404; Aug. 5.
- Strickland, Erve C., San Jose, Calif. Clothes-starching machine. 1,769,397; July 1.
- Strickland, John W., Nashville, N. C. Combination cup and cone holder. 1,757,689; May 6.
- Strickland, Silas A., and T. Zimmerman, assignors to Bower Roller Bearing Company, Detroit, Mich. Roller bearing. 1,784,914; Dec. 16.
- Strickland, William R., assignor to General Motors Corporation, Detroit, Mich. Temperature control for oil. 1,761,942; June 3.
- Strickler, Walter B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,747,849; Feb. 18.
- Strid, Sven J., Chicago, Ill., assignor to T & S Corporation. Pipe-anchor device. 1,774,678; Sept. 2.
- Stride, William T., assignor to A B C Rug Cleaners Inc., Rochester, N. Y. Rug-cleaning machine. 1,750,496; Mar. 11.
- Strieby, Maurice E., Millburn, N. J., assignor to American Telephone and Telegraph Company. Automatic volume-control system. 1,776,821; Sept. 30.
- Strieby, Maurice E., Millburn, N. J., assignor to American Telephone and Telegraph Company. Automatic volume-control system. 1,776,822; Sept. 30.
- Strieby, Maurice E., and C. H. Fetter, Millburn, N. J., assignor to American Telephone and Telegraph Company. Voltage indicating and translating device. 1,744,840; Jan. 28.
- Striegel, Leslie E., Cleveland, Ohio, assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Ash gate. 1,749,092; Mar. 4.
- Strietmann, Herman H., assignor to Littleford Brothers, Cincinnati, Ohio. Asphaltum-heater apparatus. 1,751,452; Mar. 18.
- Striewig, Harry N., Chicago, Ill., assignor to The Lehon Company. Roofing. 1,744,589; Jan. 21.
- Strigl, Karl J., New York, N. Y. Transmission mechanism. 1,750,787; Mar. 18.
- Strindberg, Richard, Bradford, Pa. Filter mat. 1,757,690; May 6.
- Strindlund, John, Tofte, Norway. Barking drum. 1,779,568; Oct. 28.
- String, Joseph S., East Orange, N. J. Port light. 1,771,514; July 29.
- Stringer, Thomas F., assignor to The Thew Shovel Company, Lorain, Ohio. Power trip. 1,764,993; June 17.
- Stringfellow, John S., Lindsay, Va. Knife construction. 1,749,236; Mar. 4.
- Stringfellow, John S., Lindsay, Va. Gate. 1,757,025; May 6.
- Stringham, Alonzo, National Military Home, Kans. Spectacle case. 1,748,430; Feb. 25.
- Stripling, Julius A., Fort Dodge, Iowa. Gate. 1,750,066; Mar. 11.
- Stripling, Luke S., Amarillo, Tex. Windmill. 1,757,849; May 6.
- Strippel, John W., El Mora, N. J. Utility truck. 1,742,735; Jan. 7.
- Strite, Charles P. (See Carter, C. W., and Strite.)
- Strite, Lloyd C., Minneapolis, Minn. Electric waffle iron. 1,769,045; July 1.
- Strniste, Charles. (See Schwarzmann, W. E., and Strniste.)
- Strobel, Charles K., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Radiodetector. 1,781,088; Nov. 11.
- Strobel, Howard M., Oak Park, Ill. Radiotube. 1,757,345; May 6.
- Strobell, John D., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Fan construction. 1,772,296; Aug. 5.
- Strobell, John D., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Fan construction. 1,778,046; Oct. 14.
- Strobl, Hans, Berlin-Tempelhof, assignor, by mesne assignments, to Luftschiffbau Zeppelin G. m. b. H., Friedrichshafen, Bodensee, Germany. Manufacturing balloon material. 1,763,109; June 10.
- Stroble, Ella, administratrix. (See Stroble, John, assignor.)
- Stroble, John, Seward, Kans., deceased; E. Stroble, administratrix. Ventilator. 1,781,608; Nov. 11.
- Strock, Joseph G., Pittsburgh, Pa. Economizer for use with furnaces. 1,750,203; Mar. 11.
- Strocker, Marthe R. L., Washington, D. C. Brassière corset. 1,774,574; Sept. 2.
- Strodthoff, Hermann, Panora, Iowa. Loader. 1,747,607; Feb. 18.
- Stroe, Ambrose, Cleveland, Ohio. Manufacturing dentures. 1,774,907; Sept. 2.
- Stroeder, Karl, assignor to the firm Gebr. Eickhoff Maschinenfabrik, Bochum, Germany. Shaking conveyer. 1,759,764; May 20.
- Stroesser, George J., and F. Meder, Milwaukee, Wis.; said Meder assignor to said Stroesser. Golf-bag stand. 1,746,408; Feb. 11.
- Stroh, Victor R. A. (See Reller, E. L., and Stroh.)
- Strohl, Carl H. (See Jones, Homer W., and Strohl.)
- Strohmeier, William, Andalusia, Ill. Self-adjusting shaft bearing. 1,749,196; Mar. 4.
- Strohmeyer & Arpe Company. (See Porges, Gustave, assignor.)
- Strohschneider, Robert, Nuremberg, Germany. Adjustable transformer. 1,771,551; July 29.
- Stroke, Edgar, Los Angeles, Calif. Electric lantern. 1,765,110; June 17.
- Strom, Edwin W., Woburn, assignor of one-half to P. Bilezikian, Watertown, and one-half to A. S. Bilezikian, Newton, Mass. Steam generator. 1,781,653; Nov. 11.
- Strom, Ernest, and R. L. Rockwell, St. Paul, Minn. Folding rack and table for automobiles. 1,779,342; Oct. 21.
- Strom, Rudolf, et al. (See Alseth, S., and Neal, assignors.)
- Strom, Rudolph E., et al. (See Whitney, Earl R., assignor.)
- Strom, William, Bronx, N. Y. Window ventilator. 1,765,745; June 24.
- Strombeck, Dan, Nordland, Wash. Tent frame. 1,772,646; Aug. 12.
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Arndt, Melvin J., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Beyland, Sidney A., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Dickman, John A., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Haas, Paul, assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Levis, John H., Jr., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Worthington, Everett, assignor.)
- Stromberg, David, Cleveland, Ohio. Building. Des. 82,767; Dec. 9.
- Stromberg Electric Company. (See Denniston, Adolph L., assignor.)

- Stromberg Electric Company. (See Long, Albert E., assignor.)
- Stromberg Electric Company. (See Ostler, Ernest S., assignor.)
- Stromberg Motor Devices Co. (See Chandler, Milton E., assignor.)
- Stromberg Motor Devices Company. (See Dienner, John A., assignor.)
- Stromberg Motor Devices Co. (See Mock, Frank C., assignor.)
- Stromberg, Sven E., New York, N. Y., assignor to American Telephone and Telegraph Company. Testing system. 1,760,920; June 3.
- Stronach, Harry S., Oak Park, Ill., assignor to Strowan Corporation, New York, N. Y. Nonsplitting nail. 1,771,867; July 29.
- Strong, Arthur P., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Pulley. 1,758,182; May 13.
- Strong, Arthur P., Chicago, Ill., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Bearing. 1,767,623; June 24.
- Strong-Carlisle & Hammond Company. (See Clark, R. L., and Craker, assignors.)
- Strong, Carlisle and Hammond Company, The. (See Clark, Theodore W., assignor.)
- Strong, Carlisle and Hammond Company, The. (See Strong, Herbert W., assignor.)
- Strong, Charles W., Portland, Oreg. Golf-ball washer. 1,780,850; Nov. 4.
- Strong, Chester J. (See Roberts, Henry P., assignor.)
- Strong Electric Corporation, The. (See Strong, Harry H., assignor.)
- Strong, Harry H., Toledo, Ohio, assignor to The Strong Electric Corporation, Wilmington, Del. Projection apparatus. 1,762,801; June 10.
- Strong, Harry H., Toledo, Ohio, assignor to The Strong Electric Corporation, Wilmington, Del. Projection apparatus. 1,762,802; June 10.
- Strong, Harry H., Toledo, Ohio, assignor to The Strong Electric Corporation, Wilmington, Del. Projection apparatus. 1,762,803; June 10.
- Strong, Harry H., Toledo, Ohio, assignor to The Strong Electric Corporation, Wilmington, Del. Projection apparatus. 1,762,804; June 10.
- Strong, Harry H., Toledo, Ohio, assignor to The Strong Electric Corporation, Wilmington, Del. Vacuum-tube rectifier. 1,764,283; June 17.
- Strong, John E., Grand Rapids, Mich. Cabinet for telephones and the like. 1,785,880; Dec. 23.
- Strong, Herbert W., assignor to The Strong, Carlisle and Hammond Company, Cleveland, Ohio. Electric furnace. 1,762,201; June 10.
- Strong, Lawrence D., Maywood, Ill. Motion-picture change-over device. 1,771,590; July 29.
- Strong, Lawrence D., Maywood, Ill. Change-over. 1,771,591; July 29.
- Strong, Leon B., Washington, D. C., assignor of twenty per cent to F. G. Campbell. Method of and apparatus for liquefying gases. 1,780,250; Nov. 4.
- Strong, Leslie P., Lakewood, assignor to The Clark Manufacturing Company, Cleveland, Ohio. Valve. 1,763,486; June 10.
- Strong, Leslie P., assignor to The Clark Manufacturing Company, Cleveland, Ohio. Steam trap. 1,777,507; Oct. 7.
- Strong, Peter, Winchendon, Mass. Wheeled toy. 1,755,035; Apr. 15.
- Strong, William M., Santa Barbara, Calif., assignor to General Drying Engineering Corporation. Drying apparatus. 1,749,451; Mar. 4.
- Strongson, Herman L., New York, N. Y. Plug cap. 1,780,851; Nov. 4.
- Strongson, Herman L., New York, N. Y. Duplex receptacle. 1,785,463; Dec. 16.
- Strongson, Herman L., Brooklyn, and B. D. Colen, New York, N. Y. Plug connector. 1,760,921; June 3.
- Strosacker, Charles J., assignor to The Don Chemical Company, Midland, Mich. Chlorinating unsaturated hydrocarbons. 1,754,656; Apr. 15.
- Strosacker, Charles J., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of aliphatic chlor compounds. 1,757,100; May 6.
- Strosacker, Charles J., and J. I. Jones, assignor to The Dow Chemical Company, Midland, Mich. Recovering carbon bisulphide. 1,768,803; July 1.
- Strosacker, Charles J., and J. I. Jones, assignor to The Dow Chemical Company, Midland, Mich. Recovering carbon bisulphide. 1,771,384; July 22.
- Strothmann, Friedrich, Antwerp, Belgium. Differential pump. 1,774,818; Sept. 2.
- Stroud, James P., Noble, Pa. Pile fabric. 1,749,551; Mar. 4.
- Stroud, Thomas L., Rosslyn, Va. Brush-making machine. 1,759,068; May 20.
- Stroud, William. (See Barr, A., and Stroud.)
- Stroud, William F., jr., Moorestown, N. J., and R. B. Chillas, jr., assignors to The Atlantic Refining Company, Philadelphia, Pa. Fractional distillation. 1,744,421; Jan. 21.
- Strouse, Ira, New York, N. Y. Dispenser for tooth paste. 1,776,137; Sept. 16.
- Strouse, Samuel W., St. Johns, Mich. Toy block. Des. 81,117; May 6.
- Strout, Archie L., (See Halloran, R. A., and Strout.)
- Strout, Archie L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Decomposing relatively high-boiling point oils into relatively low-boiling point oils. 1,776,985; Sept. 30.
- Strout, Robert W., assignor to E. W. Bliss Company, Brooklyn, N. Y. Friction-clutch-driven press. 1,749,360; Mar. 4.
- Strout, Robert W., assignor to E. W. Bliss Company, Brooklyn, N. Y. Punching press. 1,749,398; Mar. 4.
- Strout, Robert W., assignor to E. W. Bliss Company, Brooklyn, N. Y. Adjustable-platen power press. 1,774,245; Aug. 26.
- Strowan Corporation. (See Stronach, Harry S., assignor.)
- Strube, Edward W., Far Rockaway, N. Y. Incinerator. 1,769,003; July 1.
- Struble, Clarence H., and S. W. Hall, Chicago, Ill. Fountain brush. 1,746,685; Feb. 11.
- Struckhoff, Aloys A. (See Oliver, W. H., Peters, and Struckhoff.)
- Structural Gypsum Corporation. (See Rowan, Thomas, assignor.)
- Structural Waterproofing Company. (See Rose, Joseph, assignor.)
- Strüdel, Paterne, Hanover-Linden, Germany. Unraveling machine. 1,773,700; Aug. 19.
- Strufe, Otto, Dwight, Ill. Protector for ice in transit. 1,756,706; Apr. 29.
- Strumpf, Theodore, New York, N. Y. Sanitary toilet-seat cover. 1,765,463; June 24.
- Strupe, Cecil H., Indianapolis, Ind. Bending machine. 1,766,963; June 24.
- Strupe, Cecil H., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Tympano. 1,755,569; Apr. 22.
- Struthers, Archibald. (See Gundersen, R. G., and Struthers.)
- Struthers, James A., Minneapolis, Minn. Hosiery. Des. 81,307; June 3.
- Struthers, James A., Minneapolis, Minn. Hosiery. Des. 81,896; Aug. 26.
- Struthers, James A., Minneapolis, Minn. Hosiery. Des. 81,950; Sept. 2.
- Stryker, George B., jr., assignor to The Weatherproof Products Company, Memphis, Tenn. Shingle construction and composition. 1,761,756; June 3.
- Stryker, George B., jr., assignor to The Weatherproof Products Company, Memphis, Tenn. Plastic composition. 1,786,462; Dec. 30.
- Stuart, Albert F., Portland, Me. Rotary valve mechanism for internal-combustion engines. 1,750,733; Mar. 18.
- Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 81,765; Aug. 5.
- Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Grille unit. Des. 81,766; Aug. 5.
- Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Grille unit. Des. 81,767; Aug. 5.
- Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead. Des. 82,119; Sept. 23.
- Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 82,120; Sept. 23.
- Stuart, Charles V., Oklahoma City, Okla. Oil-burning process. 1,743,051; Jan. 7.
- Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Ephedrine oil solution. 1,743,992; Jan. 14.
- Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Ephedrine-aldehyde compound and solution and preparing such compound. 1,749,361; Mar. 4.
- Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Ephedrine-ketone compound and solution and preparing such compound. 1,749,452; Mar. 4.
- Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Ephedrine oil solution. 1,762,108; June 3.
- Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Lens extract and making it. 1,787,179; Dec. 30.
- Stuart, Frank T., Maplewood, N. J., assignor to The R. Neumann Hardware Co. Hinge for sewed-in bag frames. 1,744,841; Jan. 28.
- Stuart, Fred W., Beverly, Mass. Counter for boots and shoes. 1,747,331; Feb. 18.
- Stuart, Harve R., Springfield, Ohio. Ventilator. 1,751,768; Mar. 25.
- Stuart, Henry J., New Haven, assignor to The Bassett Metal Goods Company, Inc., Derby, Conn. Hose supporter. 1,786,137; Dec. 23.
- Stuart, John L., Oakland, Calif. Awning. 1,749,197; Mar. 4.
- Stuart, John McA. (See Bengough, G. D., and Stuart.)
- Stuart, Lew E., Glendo, Wyo. Tractor-drawn cultivator. 1,777,985; Oct. 7.
- Stuart, Nicholas H., assignor to Remington Rand Inc., Buffalo, N. Y. Loose-leaf binder. 1,768,343; June 24.
- Stuart, Nicholas H., assignor to Remington Rand Inc., Buffalo, N. Y. Loose-leaf binder. 1,778,283; Oct. 14.
- Stuart, Wallace A., Cleveland, Ohio, assignor to Inland-Stuart Linings, Inc. Blast furnace. Re17,551; Jan. 7.

- Stuart, William B., Tampa, Fla., assignor to The International Pavement Company, Hartford, Conn. Control for presses. 1,765,314; June 17.
- Stuart, William W., Des Moines, Iowa, assignor to Franklin Oil Heating Incorporated, Columbus, Ohio. Oil burner. 1,782,668; Nov. 25.
- Stubbe, John L., San Juan, P. R. Apparatus for drying fruits. 1,778,047; Oct. 14.
- Stubbs, Herbert R., and F. Watson, assignors to The Lafayette Company, Baltimore, Md. Container. 1,774,299; Aug. 26.
- Stubbs, Marie M., Dallas, Tex. Cord protector for electric plugs. 1,765,035; June 17.
- Stubenbergh, Arthur F., Wahiawa, Hawaii. Subsoiler. 1,765,746; June 24.
- Stuber, Adolph, and E. E. Underwood, assignors to Eastman Kodak Company, Rochester, N. Y. Self-threading motion-picture apparatus. 1,745,874; Feb. 4.
- Stuber & Kuck Co. (See Kuck, Henry G., assignor.)
- Stübner, Willy, Eisenach, Germany. Draft regulator for furnaces. 1,771,068; July 22.
- Stubnitz, Maurice, assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Coiled spring. 1,756,669; Apr. 29.
- Stuckeman, William F., assignor to H. B. Rouse & Company, Chicago, Ill. Printer's composing stick. 1,762,365; June 10.
- Stuckert, Alfred E., Louisville, assignor, by mesne assignments, to American Fuel Economizer Corporation, Canton, Ohio. Smoke eliminator and fuel economizer. 1,747,267; Feb. 18.
- Stuckert, Felix J., jr., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Automobile switch. 1,763,018; June 10.
- Stuckey, Samuel G., St. Louis, Mo. Pneumatic gob feeder. 1,772,092; Aug. 5.
- Studebaker Corporation, The. (See Ackerman, Albert H., assignor.)
- Studebaker Corporation, The. (See Campbell, Leon J., assignor.)
- Studebaker Corporation, The. (See Chanter, Arthur J., assignor.)
- Studebaker Corporation, The. (See Donahue, Dennis A., assignor.)
- Studebaker Corporation, The. (See Fries, Earl C., assignor.)
- Studebaker Corporation, The. (See Herrmann, Karl L., assignor.)
- Studebaker Corporation, The. (See Hilburger, Frank J., assignor.)
- Studebaker Corporation, The. (See Howell, Kimbark J., assignor.)
- Studebaker Corporation, The. (See Hughes, James R., assignor.)
- Studebaker Corporation, The. (See Hunt, George, assignor.)
- Studebaker Corporation, The. (See Kohr, Robert F., assignor.)
- Studebaker Corporation, The. (See Libbey, Thomas H., assignor.)
- Studebaker Corporation, The. (See Link, Vincent, assignor.)
- Studebaker Corporation, The. (See McIntyre, Elmer L., assignor.)
- Studebaker Corporation, The. (See Muncy, John I., assignor.)
- Studebaker Corporation, The. (See Newcomb, E. C., and Roos, assignors.)
- Studebaker Corporation, The. (See Paton, C. R., and Sligh, assignors.)
- Studebaker Corporation, The. (See Pierce, Hodgson S., assignor.)
- Studebaker Corporation, The. (See Pomeroy, Percy W., assignor.)
- Studebaker Corporation, The. (See Roos, Delmar G., assignor.)
- Studebaker Corporation, The. (See Smith, Harry G., assignor.)
- Studebaker Corporation, The. (See Sprung, Edwin G., assignor.)
- Studebaker Corporation, The. (See Waite, Donald B., assignor.)
- Sturdevant, Lafayette M. (See Waterworth, Robert J., assignor.)
- Studiengesellschaft fuer Wirtschaft u. Industrie m. b. H. (See Weckerle, Ferdinand, assignor.)
- Studwell, Henry A., Stamford, Conn. Escape tube for submarines. 1,784,915; Dec. 16.
- Stuebing, Albert F., Scarsdale, N. Y. Locomotive throttle valve. 1,764,366; June 17.
- Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting truck. 1,750,289; Mar. 11.
- Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting truck. 1,776,523; Sept. 23.
- Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Truck. 1,785,368; Dec. 16.
- Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 1,785,369; Dec. 16.
- Stuesse, Oscar, St. Louis, Mo. Rat trap. 1,757,063; May 6.
- Stuesser, Richard, Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of azo dyestuffs and azo dyestuffs obtainable thereby. 1,785,845; Dec. 23.
- Stuewe, Waldemar F., Milwaukee, Wis. Apparatus for forming manhole tops. 1,757,552; May 6.
- Stukenborg, Louis C., assignor to Oilraulic Lift Company, Memphis, Tenn. Lifting jack. 1,759,670; May 20.
- Stukenborg, Louis C., assignor to Oilraulic Lift Company, Memphis, Tenn. Hydraulic jack. 1,764,859; June 17.
- Stukenborg, Louis C., assignor to Oilraulic Lift Company, Memphis, Tenn. Hydraulic jack. 1,784,553; Dec. 9.
- Stukenborg, Louis C., assignor to Oilraulic Lift Company, Memphis, Tenn. Rotary automobile lift structure. 1,784,554; Dec. 9.
- Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Work-feeding device for drilling machines. 1,752,468; Apr. 1.
- Stultz, George W., Huntington, W. Va. Air and vapor supply device for intake manifolds. 1,751,769; Mar. 25.
- Stump, Clayton A. (See Langan, J., and Greenberg, assignors.)
- Stump, Matthäus, Mannheim, and K. Reyher, Heidelberg, Germany. Device for ascertaining the energy spent during rowing. 1,779,992; Oct. 28.
- Stumpf, Walter, Baltimore County, assignor to The Black & Decker Manufacturing Company, Towson, Md. Electric motor. 1,770,113; July 8.
- Sturbo, Raniero. (See Sciamanna, Vincenzo, assignor.)
- Sturcke, Herman E., deceased, Port Orange, Fla., G. E. Kuntz, executrix. Device for ascertaining the expansion of containers as caused by internal pressure. 1,776,524; Sept. 23.
- Sturdy's, J. F., Sons Co. (See Nelson, Nels T., assignor.)
- Sturges, Arthur H., Omaha, Nebr. Fire escape of sliding type. 1,754,375; Apr. 15.
- Sturges, Thomas B. (See Ferguson, John A., assignor.)
- Sturgis, Herbert M., assignor, by mesne assignments, to L. Hunt, Kansas City, Mo. Mop head. 1,781,481; Nov. 11.
- Sturgis, Herbert M., assignor, by mesne assignments, to L. Hunt, Kansas City, Mo. Mop head. 1,786,037; Dec. 23.
- Sturgis Posture Chair Company. (See Huntley, Reginald C., assignor.)
- Sturk, Ewald E., Hollywood, Calif. Cap and tube for tooth paste and the like. 1,761,693; June 3.
- Sturm, Joseph. (See Schmitz, F. A., and Sturm.)
- Stürmer, Kurt, Pruhltitz, Germany. Tanning animal hides with salts. 1,763,596; June 10.
- Sturrock, William K., Livingston, Calif. Sifter. 1,750,976; Mar. 18.
- Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
- Sturtevant, Harold E., assignor to The Whitney Mfg. Co., Hartford, Conn. Chain. 1,743,500; Jan. 14.
- Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
- Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 1,746,686; Feb. 11.
- Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 1,769,721; July 1.
- Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Apparatus for manufacturing acid phosphate. 1,773,287; Aug. 19.
- Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 1,779,993; Oct. 28.
- Sturtevant, Vernon O., assignor to International Time Recording Company of New York, Endicott, N. Y. Combined accident and time recorder. 1,747,021; Feb. 11.
- Stüsser, Richard, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyes. 1,750,067; Mar. 11.
- Stutika, John, West Pullman, Ill. Valve-testing gauge. 1,786,092; Dec. 23.
- Stutzman, Alfred A., Aldan, Pa. Mixing device for oil burners. 1,769,082; July 1.
- Styberg, Ernest C., assignor to The Instant Freezer Corporation, Racine, Wis. Apparatus for dispensing freshly-refrigerated foods. 1,748,963; Mar. 4.
- Syer, Charles A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Providing inert atmospheres. 1,743,167; Jan. 14.
- Syer, Charles A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Deoxidizing system. 1,745,875; Feb. 4.
- Syer, Charles A., Wilkinsburg, and W. M. Dann, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company. Compensated gas detector. 1,751,222; Mar. 18.
- Styka, Stanislaw, Detroit, Mich. Potato planter. 1,748,090; Feb. 25.
- Styll, Harry H., Southbridge, Mass. Link bridge for ophthalmic mountings. 1,784,916; Dec. 16.
- Suarez, John G., New York, N. Y. Safety-razor attachment. 1,780,951; Nov. 11.
- Suarez, Joseph M., assignor of one-fifth to S. P. Buck, Baltimore, Md. Railway-car brake. 1,749,362; Mar. 4.

- Suarez, Murrell A., Birmingham, Ala. License-card holder. 1,751,666; Mar. 25.
- Subal, Hugo. (See Haakh, H., and Subal).
- Subick, George, Chicago, Ill. Storage apparatus. 1,773,888; Aug. 26.
- Subira, John B. (See Griggs, H. D., and Subira.)
- Subkow, Philip, assignor to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for vacuum distillation. 1,771,385; July 22.
- Submarine Signal Company. (See Kunze, Willy, assignor.)
- Submarine Signal Company. (See Turner, Edwin E., jr., assignor.)
- Submarine Signal Corporation. (See Bates, Ralph E., assignor.)
- Submarine Signal Corporation. (See Fay, R. D., and Dorsey, assignors.)
- Submarine Signal Corporation. (See Hubbard, Beverly R., assignor.)
- Succop, John A., assignor to Heppenstall Company, Pittsburgh, Pa. Alloy steel. 1,775,615; Sept. 9.
- Suchke, Frederick M. (See Harris, A. W., Suchke, and King.)
- Suchy, Robert, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of phosphorus and alumina cement. 1,758,241; May 13.
- Suczek, Robert. (See Schlotter, Georg A., assignor.)
- Süddeutsche Telefon-Apparate, Kabel-und Drahtwerke Aktiengesellschaft. (See Presser, Ernst, assignor.)
- Süddeutsche Tele-F-On-Apparate-Kabel- und Drahtwerke A.-G. (See Fischer, Kuno, assignor.)
- Sudhoff, Alfred G., assignor to National Automatic Tool Company, Richmond, Ind. Rotary table hydraulically operated. 1,745,460; Feb. 4.
- Suekoff, Louis A., assignor of one-half to F. A. Nachman, Chicago, Ill. Spring-filled mattress. 1,755,713; Apr. 22.
- Suekoff, Louis A., Chicago, Ill. Mattress and making same. 1,755,714; Apr. 22.
- Suekoff, Louis A., Wilmette, Ill. Mattress and cushion. 1,755,715; Apr. 22.
- Suekoff, Louis A., Wilmette, Ill. Spring assembly for mattresses or cushions. 1,776,400; Sept. 23.
- Suekoff, Samuel, Chicago, Ill. Internal-combustion engine. 1,759,425; May 20.
- Sueiflow, Alfred G., and C. C. Wolford, assignors to The Felins Tying Machine Co., Milwaukee, Wis. Vegetable washer. 1,772,880; Aug. 12.
- Suetterlin, Orville E. (See Shields, E. H., and Suetterlin.)
- Sugar Beet and Crop Driers Limited. (See Owen, Brynar J., assignor.)
- Sugeman, Louis, Chicago, Ill. Twin-section egg carton. 1,776,844; Sept. 30.
- Sugg, Charles R. (See Meister, C. L., and Sugg.)
- Suida, Herman, Modling, near Vienna, Austria. Recovering cresol from aqueous solutions of same. 1,784,711; Dec. 9.
- Suiter, Arthur W., Woonsocket, R. I., assignor to Russia Cement Company, Gloucester, Mass. Bottle-filling machine. 1,771,422; July 29.
- Suiter, Charles B., Bluefield, W. Va. Penholder. 1,763,829; June 17.
- Suiter, Charles H., et al. (See Field, Marshall S., assignor.)
- Suitsu, Kosaku, Kurume, Japan. Stand for motor cycles. 1,773,065; Aug. 12.
- Sukumlyn, Thomas W., Los Angeles, Calif. Variable-light refractor. 1,770,535; July 15.
- Sullenberger, Charles E., Dallas, Tex. Band sawing machine. 1,757,785; May 6.
- Sullenberger, Charles E., Dallas, Tex. Band sawing and jig sawing machine. 1,769,656; July 1.
- Sullenberger, Charles E., Piqua, Ohio. Combined universal square and protractor. 1,778,405; Oct. 14.
- Sullivan, Daniel A., and H. Millman, Boston, Mass. Adjustable tray. 1,746,720; Feb. 11.
- Sullivan, Daniel E., Evanston, assignor to The Pure Oil Company, Chicago, Ill. Replaceable wall structure for furnaces. 1,763,606; June 10.
- Sullivan, Daniel F., assignor of one-half to J. P. Furey, Lowell, Mass. Stop motion for knitting machines. 1,782,550; Nov. 25.
- Sullivan, Dennis J., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attachment of top lifts to wood heels. 1,781,907; Nov. 18.
- Sullivan, Edmond R., Boston, assignor, by mesne assignments, to Hood Rubber Company, Inc., Watertown, Mass. Coupon holder. 1,744,150; Jan. 21.
- Sullivan, Edward F., South Portland, Me. Feed-water heating apparatus for boilers. 1,760,794; May 27.
- Sullivan, Frederick W., jr., assignor to Standard Oil Company, Whiting, Ind. Immersion wax. 1,752,933; Apr. 1.
- Sullivan, Frederick W., jr., Hammond, assignor to Standard Oil Company, Whiting, Ind. Emulsion. 1,773,123; Aug. 19.
- Sullivan, George R., Oakland, Calif. Vehicle lock. 1,753,873; Apr. 8.
- Sullivan, Henry J., Jersey City, N. J. Vehicle shock absorber or doorcheck. 1,771,276; July 22.
- Sullivan, James A., Persey City, N. J. Automobile lamp. 1,782,551; Nov. 25.
- Sullivan, James J., Arapahoe County, Colo. Weed exterminator. 1,747,494; Feb. 18.
- Sullivan, James R., Taft, Calif. Oil and gas separator. 1,751,017; Mar. 18.
- Sullivan, Jerome J., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Adjustable-supporting means. 1,776,092; Sept. 16.
- Sullivan, John. (See Ramsey, E. L., and Sullivan.)
- Sullivan, John H., Glendale, Calif. Structural form for concrete work. 1,747,036; Feb. 11.
- Sullivan, John J. (See Smith, W. E., Hemphill, and Sullivan.)
- Sullivan, Joseph J., assignor to Sullivan Vaporizer Corporation, Astoria, N. Y. Internal-combustion engine. 1,779,921; Oct. 28.
- Sullivan, Lambert W., Woonsocket, R. I. Bearing. 1,761,757; June 3.
- Sullivan, Leo V., Warren, Ohio. Glazing clip. 1,780,852; Nov. 4.
- Sullivan Machinery Company. (See Banks, Robert T., assignor.)
- Sullivan Machinery Company. (See Boudette, Cornelius G., assignor.)
- Sullivan Machinery Company. (See Dansereau, O. J., and Officer, assignors.)
- Sullivan Machinery Company. (See Ferguson, Alexander D., assignor.)
- Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
- Sullivan Machinery Company. (See Gilman, George H., assignor.)
- Sullivan Machinery Company. (See Hall, Edwin T., assignor.)
- Sullivan Machinery Company. (See Halleck, Frank A., assignor.)
- Sullivan Machinery Company. (See Halvorsen, Halbert E., assignor.)
- Sullivan Machinery Company. (See Hauge, Andrew, assignor.)
- Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)
- Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
- Sullivan Machinery Company. (See Homes, Morris P., assignor.)
- Sullivan Machinery Company. (See Hughes, William E., assignor.)
- Sullivan Machinery Company. (See Maxson, Louis A., assignor.)
- Sullivan Machinery Company. (See Miller, Edward E., assignor.)
- Sullivan Machinery Company. (See Mills, George F., assignor.)
- Sullivan Machinery Company. (See Mitchell, Joseph S., assignor.)
- Sullivan Machinery Company. (See Nelson, Sven T., assignor.)
- Sullivan Machinery Company. (See Oliphant, John, assignor.)
- Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
- Sullivan Machinery Company. (See Osgood, Robert C., assignor.)
- Sullivan Machinery Company. (See Rundqvist, Thore R. E., assignor.)
- Sullivan Machinery Company. (See Sanford, John W., assignor.)
- Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
- Sullivan Machinery Company. (See Wilson, Leonard, assignor.)
- Sullivan Machinery Company. (See Wyman, Charles W., assignor.)
- Sullivan, Michael H., Wilkes-Barre, Pa. Shock-absorbing attachment for crutches. 1,761,502; June 3.
- Sullivan, Michael L., Sandberg, Calif. Head wall for drain pipes. 1,760,380; May 27.
- Sullivan, Nell L., New London, Wis. Music-chart blackboard. 1,766,087; June 24.
- Sullivan, Patrick J., Bolton, Mass. Hoist for automobiles and the like. 1,760,671; May 27.
- Sullivan, Simon, Killaloe, Ontario, Canada. Snap construction. 1,744,344; Jan. 21.
- Sullivan Vaporizer Corporation. (See Sullivan, Joseph J., assignor.)
- Sullivan, William B., assignor to Chrobotic Tool Company, Detroit, Mich. Heat treatment of steel. 1,766,314; June 24.
- Sullivan, William L. (See Hageman, A. M., and Sullivan.)
- Sullivan, William L., Ferguson, assignor to National Electric Ticket Register Company, St. Louis, Mo. Ticket-issuing machine. 1,765,951; June 24.
- Sullivan, William S., Philadelphia, Pa., assignor of forty-five per cent to J. G. Cumming, Washington, D. C. Rotary engine. 1,766,005; June 24.
- Sulzbach, Henry L., Sioux City, Ia. Lawn edger. 1,775,836; Sept. 16.
- Sulzer Frères Société Anonyme. (See Eisenburger, Kuno, assignor.)
- Sulzer Frères Société Anonyme. (See Ferguson, George, assignor.)
- Sulzer Freres Societe Anonyme. (See Hefti, Wilhelm, assignor.)
- Sulzer Frères Societe Anonyme. (See Moessinger, Albert, assignor.)
- Sulzer Freres Societe Anonyme. (See Schaer, Charles, assignor.)
- Sulzer Frères Société Anonyme. (See Schenker, Walter, assignor.)

- Sulzer Frères Société Anonyme. (See Simmen, Oscar, assignor.)
- Sulzer Frères Société Anonyme. (See Tobler, Werner, assignor.)
- Sulzer Frères Société Anonyme. (See Trechsel, Max, assignor.)
- Sumabat, Doroteo. (See Gambito, N., and Sumabat.)
- Suman, Robert G. (See Williams, H. M., and Suman.)
- Sumi, Rikichi, Osaka, and T. Kishi, Kobe, Japan. Bumper for motor cars. 1,746,502; Feb. 11.
- Summa, Charles R. (See Borzi, Frank, assignor.)
- Summer, Frank. (See Pitt, William A., assignor.)
- Summer, Frank S., Long Beach, N. Y. Sign advertising apparatus. 1,777,110; Sept. 30.
- Summer, James H., jr., and L. C. Pindar, Knoxville, Tenn. Circulator for boiler furnaces and the like. 1,769,194; July 1.
- Summerbell, William, Watervliet, N. Y. Percussion fuse. 1,774,043; Aug. 26.
- Summerfeld, Albert, Saskatoon, Saskatchewan, Canada. Release-snap construction. 1,752,619; Apr. 1.
- Summerhayes, Henry B., Schenectady, N. Y., assignor to General Electric Company. Protective system. 1,759,765; May 20.
- Summers, Alfred D., Detroit, Mich. Cornice mold. 1,770,438; July 15.
- Summers, Caleb E., assignor to General Motors Research Corporation, Dayton, Ohio. Air cleaner. 1,742,564; Jan. 7.
- Summers, Caleb E., Pontiac, assignor to General Motors Research Corporation, Detroit, Mich. Balancing-machine fixture. 1,750,608; Mar. 11.
- Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Piston. 1,770,818; July 15.
- Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Means to prevent valves from sticking. 1,784,555; Dec. 9.
- Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Hydraulic valve mechanism. 1,784,767; Dec. 9.
- Summers, Caleb E., and G. W. Lampman, Pontiac, assignors to General Motors Research Corporation, Detroit, Mich. Valve-spring retainer. 1,761,943; June 3.
- Summers, Harry A. (See Capps, F. L., and Summers.)
- Summers, Harry A., Brooklyn, N. Y., and S. A. Sollie, Palo Alto, Calif., assignors to Federal Telegraph Company, San Francisco, Calif. Phonograph pick-up apparatus. 1,769,902; July 1.
- Summers, Louis D., assignor to Leader Iron Works, Decatur, Ill. Heat economizer. 1,746,564; Feb. 11.
- Summers, Louis D., assignor to Leader Iron Works, Decatur, Ill. Detachable-head economizer for hot-water and steam boilers. 1,748,091; Feb. 25.
- Summers, Louis D., assignor, by mesne assignments, to Leader Iron Works, Inc., Decatur, Ill. Boiler. 1,771,592; July 29.
- Summers, Louis D., assignor, by mesne assignments, to Leader Iron Works, Inc., Decatur, Ill. Boiler and water heater. 1,781,531; Nov. 11.
- Summers, Louis D., assignor, by mesne assignments, to Leader Iron Works, Inc., Decatur, Ill. Boiler and water heater. 1,781,532; Nov. 11.
- Summers, Otto M. (See King, J. G., and Summers.)
- Summers, Otto M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Check valve. 1,747,332; Feb. 18.
- Summers, Otto M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,642; July 1.
- Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,768,643; July 1.
- Summers, Richard A. and S. R. St. Louis, assignors of two-twentieths to S. D. Charpentier, Affton, Mo. Fireproof-wall construction. 1,775,216; Sept. 9.
- Summers, Samuel L., Fort Washington, Pa. Methylene-disalicylic acid derivative. 1,743,630; Jan. 14.
- Summers, Samuel L., Fort Washington, Pa. Methylene-disalicylic acid derivative. 1,743,631; Jan. 14.
- Summers, Samuel L., Fort Washington, Pa. Methylene-disalicylic acid derivative. 1,743,632; Jan. 14.
- Summers, Samuel L., Fort Washington, Pa. Methylene-disalicylic acid derivative. 1,743,633; Jan. 14.
- Summers, Samuel L., Fort Washington, Pa. Methylene-disalicylic acid derivative. 1,743,634; Jan. 14.
- Summers, Samuel L., Fort Washington, Pa. Methylene-disalicylic acid derivative. 1,743,635; Jan. 14.
- Summers, Samuel L., Fort Washington, Pa. Methylene-disalicylic acid derivative. 1,743,636; Jan. 14.
- Summers, Samuel L., Fort Washington, Pa. Methylene-disalicylic acid derivative. 1,764,035; June 17.
- Summers, Samuel L., Fort Washington, Pa. Methylene-disalicylic acid derivative. 1,764,036; June 17.
- Summers, Samuel R. (See Summers, Richard A. and S. R.)
- Summey, David L., Waterbury, Conn. Heating apparatus. 1,748,465; Feb. 25.
- Summey, David L., Waterbury, Conn. Metal-extruding apparatus. 1,768,866; July 1.
- Summey, David L., Waterbury, Conn. Heating apparatus. 1,776,823; Sept. 30.
- Summey, David L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Resistor and support therefor. 1,774,852; Sept. 2.
- Summey, David L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Electric resistance unit. 1,776,845; Sept. 30.
- Summey, Thomas O., et al. (See Utsman, George W., assignor.)
- Summit Corporation, The. (See Alex, Max, assignor.)
- Summit Mold & Machine Company, The. (See Palmer, John E., assignor.)
- Summit Thread Company. (See Johnson, Henry G., assignor.)
- Sumner, George P. (See Miller, H. C., and Sumner.)
- Sumner, May, executor. (See Miller, H. C., and Sumner.)
- Sumner, Richard E., Plainfield, N. J., assignor, by mesne assignments, to The Calco Chemical Company, Inc. Shellac composition. 1,781,711; Nov. 18.
- Sumpter, John E., Minneapolis, Minn., assignor to Delta-Star Electric Company, Chicago, Ill. Self-insulated expulsion fuse and support. 1,770,536; July 15.
- Sun Electrical Company Limited, The. (See Curtis, Walter, assignor.)
- Sun Goods Corporation. (See Rosen, Martin, assignor.)
- Sun-Maid Raisin Growers of California. (See Dale, Julian K., assignor.)
- Sun-Maid Raisin Growers of California. (See Denny, Henry W., assignor.)
- Sun-Maid Raisin Growers of California. (See Forrest, Thomas W. W., assignor.)
- Sun-Maid Raisin Growers of California. (See Ripley, David W., assignor.)
- Sun Oil Company. (See Alleman, Gellert, assignor.)
- Sun Oil Company. (See Pew, Arthur E., jr., assignor.)
- Sun Oil Company. (See Pew, A. E., jr., and Thomas, assignors.)
- Sun Oil Company. (See Thomas, Henry, assignor.)
- Sun Oil Company. (See Wait, Justin F., assignor.)
- Sun Ray Gas Corporation. (See Madine, John J., assignor.)
- Sun Rise Lamp Mfg. Co. (See Abel, Frank J., assignor.)
- Sun Rise Lamp Mfg. Co. (See Zweig, Louis, assignor.)
- Sun Rubber Company, The. (See Lower, Melvin S., assignor.)
- Sun Tube Corporation, The. (See Lynch, Frank J., assignor.)
- Sun Typewriter Company. (See Nemcovsky, Louis A., assignor.)
- Sunbeam Electric Manufacturing Company. (See Brackett, W. A., and Richard, assignors.)
- Sunbeam Electric Manufacturing Company. (See Richard, William E., assignor.)
- Sund, Alfred D., Santa Rosa, Calif. Bumper leg for brooms. 1,752,400; Apr. 1.
- Sund, Alfred D., Santa Rosa, Calif. Bumper for brooms. 1,752,401; Apr. 1.
- Sunday, James J. (See Kelch, J. W., and Sunday.)
- Sunday, James J., assignor to J. W. Kelch, Detroit, Mich. Heater for automobiles. 1,752,038; Mar. 25.
- Sundback, Gideon, Meadville, Pa., assignor to Hookless Fastener Company. Fastener. Re17,891; Dec. 2.
- Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,746,565; Feb. 11.
- Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,785,234; Dec. 16.
- Sundback, Gideon, Meadville, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,785,920; Dec. 23.
- Sundberg, Karls, assignor, by mesne assignments, to Aktiebolaget Elektrisk Malmletning, Stockholm, Sweden. Method and apparatus for magnetic prospecting. 1,748,659; Feb. 25.
- Sundberg, Rudolf C., Stockholm, Sweden. Combing machine. 1,778,873; Oct. 21.
- Sundee, John R., assignor to Buffalo Jewelry Case Co., Inc., Buffalo, N. Y. Jewelry box. 1,778,406; Oct. 14.
- Sünder, Jakob, and E. Renno, Oberursel, assignors to the firm Adrian & Busch, Oberursel A. T., Germany. Shoe-sewing machine. 1,743,735; Jan. 14.
- Sunderland, Charles C., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire-testing machine. 1,786,138; Dec. 23.
- Sunderland, Sam, Keighley, England. Machine for cutting or generating the teeth of wheels. 1,758,067; May 13.
- Sundgren, John, Duluth, Minn. Pipe-bending device. 1,742,489; Jan. 7.
- Sundh Electric Company. (See Deans, W., and Kaufman, assignors.)
- Sundhaussen, Hermann, Dusseldorf-Rath, assignor to Rheinische Metallwaaren-und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Compensator for brush-resistance voltage drop in motor-control systems. 1,783,527; Dec. 2.
- Sundquist, Werner A., Cincinnati, Ohio. Self-cleaning rake. 1,743,736; Jan. 14.
- Sundstedt, Hugo, New York, N. Y. Power-distribution system for aircrafts. 1,747,334; Feb. 18.
- Sundstedt, Hugo, New York, N. Y. Airplane construction. 1,748,252; Feb. 25.
- Sundstedt, Hugo, assignor to American Aviation Corporation, New York, N. Y. Floating terminal for aircraft. 1,776,453; Sept. 23.
- Sundstrand Corporation, The. (See Sundstrand, Oscar J., assignor.)
- Sundstrand Engineering Co., The. (See Kiefer, William R., assignor.)

- Sundstrand Engineering Company. (See Sundstrand, Gustaf D., assignor.)
- Sundstrand Engineering Corporation. (See Sundstrand, Gustaf D., assignor.)
- Sundstrand, Gustaf D., assignor, by mesne assignments, to Sundstrand Engineering Company, Rockford, Ill. Combustion apparatus. 1,747,333; Feb. 18.
- Sundstrand, Gustaf D., assignor, by mesne assignments, to Sundstrand Engineering Company, Rockford, Ill. Oil-burning apparatus. 1,756,707; Apr. 29.
- Sundstrand, Gustaf D., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Automatic lathe. 1,770,048; July 8.
- Sundstrand, Gustaf D., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Pump. 1,781,416; Nov. 11.
- Sundstrand Machine Tool Co. (See Sundstrand, Gustaf D., assignor.)
- Sundstrand Machine Tool Co. (See Svenson, Ernest J., assignor.)
- Sundstrand, Oscar J., Rockford, Ill., assignor to Sundstrand Corporation, Wilmington, Del. Printing mechanism. 1,747,743; Feb. 18.
- Sundstrand, Oscar J., Rockford, Ill., assignor to Sundstrand Corporation, Wilmington, Del. Tabulator. 1,756,401; Apr. 29.
- Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to The Sundstrand Corporation, Wilmington, Del. Transfer mechanism. 1,758,016; May 13.
- Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Sundstrand Corporation, Wilmington, Del. Cash register or similar machine. 1,759,069; May 20.
- Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to The Sundstrand Corporation, Wilmington, Del. Computing and printing machine. 1,779,717; Oct. 28.
- Sundstrom, Carl, and G. N. Terziev, Syracuse, assignors to The Solvay Process Company, Solvay, N. Y. Producing sodium sesquicarbonate. 1,748,739; Feb. 25.
- Sundstrom, Ivar. (See Bertram, J. P., and Sundstrom.)
- Sunnen, Joseph, St. Louis, Mo. Split-lock catcher. 1,764,185; June 17.
- Sunt, John B., Rhinelander, Wis. Position-indicating and air-supplying device for sunken submarines. 1,757,151; May 6.
- Super-Automatic Food-Machine Corporation. (See Christianson, Carl O., assignor.)
- Super-Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
- Superheater Company, The. (See Armacost, Wilbur H., assignor.)
- Superheater Company, The. (See Brandt, Carl A. W., assignor.)
- Superheater Company, The. (See Broido, Benjamin, assignor.)
- Superheater Company, The. (See Gordon, Charles W., assignor.)
- Superheater Company, The. (See Griffin, J. F., and Williams, assignors.)
- Superheater Company, The. (See Hard, Malcolm, assignor.)
- Superheater Company, The. (See Hardy, Charles R., assignor.)
- Superheater Company, The. (See Huet, André, assignor.)
- Superheater Company, The. (See McKee, Neal T., assignor.)
- Superheater Company, The. (See Swartz, R. M., and Jorgensen, assignors.)
- Superheater Company, The. (See Thiele, Otto V., assignor.)
- Super Mold Corporation. (See Smith, F. L., Caulfield, and Peterson, assignors.)
- Super Mould Co., The. (See Glynn, Edwin A., assignor.)
- Super Mould Corporation. (See Woock, Herber J., assignor.)
- Super Razors Incorporated. (See Watt, James A. D., assignor.)
- Super San Towel Cabinet Company. (See Hails, Edward T., assignor.)
- Superior Appliance & Pattern Company. (See Gearhart, Emory J., assignor.)
- Superior Body Company. (See Paul, Sydney, assignor.)
- Superior Engine Company. (See Shouplin, Patrick J., assignor.)
- Superior Floor Surfacing Machine Corporation. (See Jacobson, G., and Ericson, assignors.)
- Superior Hat Company. (See Solomon, Charles, assignor.)
- Superior Hat Company. (See Wittcoff, Edward, assignor.)
- Superior Linking Machine Corporation. (See Fleming, August L. N., assignor.)
- Superior Locker Company. (See Dobkin, William J., assignor.)
- Superior Oil and Gas Separator Company. (See Gray, H. D., Auxter, and Noble, assignors.)
- Superior Steam Iron Company. (See De Atley, Carroll, assignor.)
- Superior Switchboard & Devices Company, The. (See Grace, Richard W., assignor.)
- Superior Switchboard & Devices Company, The. (See Newman, Thomas J., assignor.)
- Superior Tool and Die Company. (See Janiszewski, Kasimir, assignor.)
- Superior Type Company, The. (See Swift, Justin R., assignor.)
- Superior Universal Products Company. (See Dahlquist, Charles S., assignor.)
- Superset Brush Co. (See Frenkel, Samuel M., assignor.)
- disalicylic-acid derivative. 1,743,636; Jan. 14.
- Supersteam Products, Inc. (See Delling, Erik H., assignor.)
- Supertile Machinery Corporation. (See Flam, Stephen, assignor.)
- Suppes, Max M., assignor to The Fox Furnace Company, Elyria, Ohio. Heating apparatus. 1,786,403; Dec. 23.
- Suppes, Max M., assignor to The Fox Furnace Company, Elyria, Ohio. Heating apparatus. 1,784,796; Dec. 9.
- Suplee, Henry H., New York, N. Y. Hanger for sliding doors, gates, and other structures. 1,774,908; Sept. 2.
- Supplee, Samuel G., West Orange, N. J. Porcelain-faced crown. 1,782,552; Nov. 25.
- Surbaugh, Callie E., executrix. (See Surbaugh, John S.)
- Surbaugh, John S., deceased, Vincennes, Ind.; C. E. Surbaugh, executrix. Shovel. 1,743,250; Jan. 14.
- Surber, John, Whittier, Calif. Pump piston. 1,757,271; May 6.
- Surface Combustion Company, The. (See Barber, Hugh B., assignor.)
- Surface Combustion Co. (See Beam, Vilynn O., assignor.)
- Surface Combustion Company, The. (See Cartwright, Horace A., assignor.)
- Surface Combustion Co., The. (See Cochran, Ralf S., assignor.)
- Surface Combustion Company, The. (See Colby, F. R., and Larsen, assignors.)
- Surface Combustion Company, The. (See Harris, William J., jr., assignor.)
- Surface Combustion Company, The. (See Hepburn, William M., assignor.)
- Surface Combustion Co., The. (See Lundbrg, Josef, assignor.)
- Surface Combustion Company, The. (See Manker, Forrest W., assignor.)
- Surface Combustion Company. (See Mantle, Gregory D., assignor.)
- Surface Combustion Company. (See Mantle, G. D., and Munford, assignors.)
- Surface Combustion Company. (See McCoy, Philip W., assignor.)
- Surface Combustion Co., The. (See McCoy, P. W., and Masuary, assignors.)
- Surface Combustion Company, The. (See Stanbery, L. J., and Branche, assignors.)
- Surface Combustion Company, The. (See Winter, Murray, assignor.)
- Surkin, Harry, Philadelphia, Pa. Bloomers. 1,744,710; Jan. 21.
- Surls, Hampton I., and J. L. Daniels, Iowa Falls, Iowa. Electrical paint and varnish remover. 1,762,646; June 10.
- Surprenant, Ulric G., South Bend, Ind., assignor, by mesne assignments, to The American Swiss Company, Toledo, Ohio. Door latch. 1,771,737; July 29.
- Susol, Paul, Brackenridge, Pa. Bottle seal. 1,742,941; Jan. 7.
- Sussman, Charles J., Corona, N. Y. Fabric-laying machine. 1,778,128; Oct. 14.
- Sussman, Jacob H., Brooklyn, assignor of one-half to E. J. Herbert, New York, N. Y. Camera attachment for making artificial reflections. 1,755,036; Apr. 15.
- Sussman, Maxwell H., Kew Gardens, N. Y. Welding machine. 1,755,799; Apr. 22.
- Sussman, Morris, New York, N. Y. Ash tray. Des. 80,813; Mar. 25.
- Sutcliffe, Edgar R., Leigh, England. Distillation of carbonaceous substances. 1,767,231; June 24.
- Sutcliffe, Edwin A., Oak Park, Ill., assignor to Victor Manufacturing & Gasket Co. Display and index rack. 1,785,988; Dec. 23.
- Sutcliffe, Fred, jr., assignor to Mock, Judson, Voehringer Company, Inc., Philadelphia, Pa. Welt needle for knitting machines. 1,780,689; Nov. 4.
- Sutcliffe, Nathaniel, Newark, N. J. Nut lock. 1,751,296; Mar. 18.
- Sutcliffe, Stanley H., Radlett, England. Golf bag. 1,780,802; Nov. 4.
- Suter, Ernest, and J. Nuetzi, Milwaukee, Wis. Infra-red element for therapeutic lamps and holders. 1,782,218; Nov. 18.
- Suter, Eugene F., New York, N. Y., assignor to Eugene Ltd. Hair drier. 1,775,704; Sept. 16.
- Suter, Jesse D. (See Binder, H. P., and Suter.)
- Suter, Philipp, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Cooling arrangement for machine bearings. 1,756,402; Apr. 29.
- Sutfin, L. D., Columbus, Ohio. Aeroplane. 1,746,747; Feb. 11.
- Sutherland, Alfred W. (See Sutherland, Holton J., J. H., and A. W.)
- Sutherland, Angus, Vancouver, British Columbia, Canada. Portable pulsator for milking systems. 1,774,300; Aug. 26.
- Sutherland, Daniel M., jr., Trenton, N. J. Fiber product and making same. 1,772,968; Aug. 12.
- Sutherland, Daniel M., jr., Morrisville, Pa., assignor, by mesne assignments, to Better Packages, Inc., Shelton, Conn. Porous fibrous material. 1,785,101; Dec. 16.
- Sutherland, Elijah A., Caribou, Me. Pressure gauge. 1,744,590; Jan. 21.
- Sutherland, Fred A. (See Dowell, Archie G., assignor.)

- Sutherland, George H. D. (See Craig, David A., assignor.)
- Sutherland, Holton J., J. H., and A. W., Swampscott, Mass. Miter cutting machine for pattern binding. 1,759,025; May 20.
- Sutherland, John H. (See Sutherland, Holton J., J. H., and A. W.)
- Sutphen, John L., Philadelphia, Pa., assignor to Scott & Williams, Inc., New York, N. Y. Knitting machine. 1,783,202; Dec. 2.
- Sutherland, Lorne R., Brookline, assignor to Burton & Rogers Manufacturing Company, Boston, Mass. Connector for terminals. 1,747,268; Feb. 18.
- Sutherland, Ralph R., Los Angeles, Calif. Commercial wagon. Des. 82,065; Sept. 16.
- Sutherland, Robert F. (See Hooper, C. L., and Sutherland.)
- Sutherland, Lee, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical vacuum-tube structure. 1,765,636; June 24.
- Sutcliffe, H. A. (See Lilly, William J., assignor.)
- Sutphen, Robert M., Newark, N. J., and J. F. Booraem, Greenwich, Conn. Maintaining swimming pools in a sanitary condition. 1,762,314; June 10.
- Sutphen, Robert M., Newark, N. J., assignor to American Enameled Brick & Tile Company, New York, N. Y. Producing illusory ornamental effects in architectural structures. 1,786,789; Dec. 30.
- Sutsh, James A., Flint, Mich. Smoker's stand. Des. 81,601; July 15.
- Sutter, Roser B., Newark, N. J., assignor to Art Metal Construction Company, Jamestown, N. Y. Insulation. 1,747,335; Feb. 18.
- Sutton, Charles D., Waterbeach, assignor to Cambridge Instrument Company, Limited, London, England. Electric meter. 1,782,519; Nov. 25.
- Sutton, Clarence L., Tulsa, Okla. Separator. 1,786,790; Dec. 30.
- Sutton Engineering Company. (See Wise, George A., assignor.)
- Sutton, Frank L., assignor of one-half to H. M. Finney, Seattle, Wash. Carburetor-feed-retarding device. 1,753,484; Apr. 8.
- Sutton, Jesse, Silver Creek, Miss. Harrow. 1,746,092; Feb. 4.
- Sutton, John C., assignor to Sutton Shops, Inc., Rockford, Ill. Cap and making the same. 1,769,761; July 1.
- Sutton, Ruth, Somerville, N. J., assignor to Kant Tip For Tots Incorporated, New York, N. Y. Infant's chair. 1,769,722; July 1.
- Sutton Shops, Inc. (See Sutton, John C., assignor.)
- Sutton, Sidney D., Brentford, assignor to Veedix Limited, Brentford, Middlesex, England. Thickening and treatment of latex. 1,770,092; July 8.
- Suverkrop, Low, and D. J. Wallace, Taft, Calif. Flow nipple. 1,744,842; Jan. 28.
- Suzuki, Tsuneo, and S. Sakurai, assignors to Zaiden Hojin Rika Gaku Kenkujo, Tokyo, Japan. Filter for absorbing ultra-violet light. 1,766,411; June 24.
- Suzuki, Tsuneo, and S. Sakurai, Koishikawa-Ku, Tokyo, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Color screening glass. 1,771,451; July 29.
- Suzuki, Tsuneo, H. Tanaka, Tokyo, and T. Kurita, Tokyo Prefecture, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Preparing pure alumina. 1,785,464; Dec. 16.
- Svancara, Lumir, Buhl, Idaho. Harrow. 1,759,965; May 27.
- Svendsen, Robert T., and D. G. Chandler, Minneapolis, Minn. Propeller mounting. 1,745,235; Jan. 28.
- Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)
- Svenson, Ernest J., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Tool support for lathes. 1,780,606; Nov. 4.
- Svenson, Ernest J., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Tool support for lathes. 1,780,607; Nov. 4.
- Svenson, Sven, Fond du Lac, Wis. Floating-wrist-pin construction for internal-combustion engines. 1,769,474; July 1.
- Svenson, Sven, Fond du Lac, Wis., assignor, by mesne assignments, to Lokaform Company, Springfield, Ill. Vehicle locking mechanism. 1,760,381; May 27.
- Svenson, Sven H., administrator. (See Peterson, Axel W.)
- Svensson, Karl J., Alsten, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator. 1,770,258; July 8.
- Svensson, Sjöne, Krokum, Sweden. Charging cellulose boilers and the like and device adapted therefor. 1,768,804; July 1.
- Swaab, Henry B., Philadelphia, Pa. Sealing compound. 1,754,727; Apr. 15.
- Swain, Donald B., and H. A. Ryther, assignors to Millers Falls Company, Millers Falls, Mass. Ratchet screw driver. 1,762,315; June 10.
- Swain, Francis T., Newcastle, Ind. Gear-cutting machine. 1,786,551; Dec. 30.
- Swain, Francis T., and M. C. St. Clair, Newcastle, Ind. Gear-cutting machine. 1,786,552; Dec. 30.
- Swain, John H., Long Beach, and H. H. Hastings, Anaheim, Calif. Rotary swivel. 1,766,562; June 24.
- Swain, Joseph G., assignor, by mesne assignments, to The Firestone Steel Products Company, Akron, Ohio. Pressed-steel wheel. Re17,589; Feb. 11.
- Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Wheel construction. 1,768,344; June 24.
- Swain, Joseph G., and M. W. Mitchell, Akron, Ohio, assignors to The Firestone Steel Products Company. Rim-collapsing tool. 1,757,752; May 6.
- Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Making wire wheels. 1,787,128; Dec. 30.
- Swainson, Robert A., Newcastle-upon-Tyne, assignor to M. W. Swinburne and Sons, Limited, Wallsend-on-Tyne, England. Piston pump. 1,775,975; Sept. 16.
- Swallow, Francis P., Worcester, assignor to United States Envelope Company, Springfield, Mass. Holder for drinking cups. 1,762,490; June 10.
- Swallow, George, Salt Lake City, Utah. Hernia truss. 1,776,986; Sept. 30.
- Swam, Lois, St. Louis, Mo. Traffic signal. 1,765,508; June 24.
- Swan, Frank S., Glen Ellyn, Ill. Building construction. 1,749,166; Mar. 4.
- Swan, Hunter & Wigham Richardson Limited. (See Young, Horace J., assignor.)
- Swanagan, C. A., et al. (See Shearer, Frederick C., assignor.)
- Swanbaum, Albert, Duluth, Minn. Wire-twisting apparatus. 1,784,318; Dec. 9.
- Swanberg Manufacturing Company. (See Chelton, R., and Keeran, assignors.)
- Swanby, George E., Burlington, Wash. Automobile tool. 1,784,033; Dec. 9.
- Swander, Amos H., Worland, Wyo. Heating system and boiler construction. 1,751,297; Mar. 18.
- Swan-Finch Oil Corporation. (See Mason, Frank B., assignor.)
- Swank, Arthur L., assignor to Long Manufacturing Company, Detroit, Mich. Radiator. 1,744,932; Jan. 28.
- Swann, Edward C., New York, N. Y., assignor to Cement Gun Construction Co., Chicago, Ill. Cement-gun nozzle. 1,784,503; Dec. 9.
- Swann Research, Inc. (See Booth, Charles F., assignor.)
- Swann Research, Inc. (See Durgin, C. B., Gerber, and Logue, assignors.)
- Swann Research, Inc. (See Masin, Jacob S., assignor.)
- Swann Research, Inc. (See Masin, J. S., and White, assignors.)
- Swann Research, Inc. (See Seyfried, Warren R., assignor.)
- Swann, Richard E., Dallas, Tex. Combined ventilator and sun shield. 1,754,339; Apr. 15.
- Swansen, Fredrick M., Chicago, Ill. Automobile equalizer. 1,774,853; Sept. 2.
- Swanser, Lawrence A., Brusett, Mont. Harrow hitch for gang plows. 1,759,597; May 20.
- Swanson, Arthur. (See Trotter, F., and Swanson.)
- Swanson, Ellsworth T. (See Olsen, R. A., and Shadrack, assignors.)
- Swanson, Emil R. (See Hyle, J. A., and Swanson.)
- Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Cop holder. 1,777,236; Sept. 30.
- Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Apparatus for twisting yarn and thread. 1,778,284; Oct. 14.
- Swanson, Frank H., Chicago, Ill., assignor to A. J. Nyström & Co. Apparatus for map display. 1,786,038; Dec. 23.
- Swanson, Godfrey C., Red Wing, Minn. Quack-grass eradicator. 1,778,920; Oct. 21.
- Swanson, Hugo R., Brooklyn, assignor to Triangle Kapok Machine Corporation, New York, N. Y. Fiber-treating device. 1,747,913; Feb. 18.
- Swanson, Hugo R., Brooklyn, assignor to Triangle Kapok Machine Corporation, New York, N. Y. Cleaning machine. 1,764,424; June 17.
- Swanson, Ivar R., assignor to Met-L-Wood Corporation, Chicago, Ill. Embossed steel veneered panel and making the same. 1,744,345; Jan. 21.
- Swanson, John E., Jamaica Plain, Mass. Increaser for lasts. 1,785,153; Dec. 16.
- Swanson, John G., assignor to The General Industries Company, Elyria, Ohio. Knob. 1,746,059; Feb. 4.
- Swanson, Nels. (See Straube, John F., assignor.)
- Swanson, Peter, Ely, Minn. Switch-stand lock. 1,740,198; Mar. 4.
- Swanson, Peter, Ely, Minn. Switch stand lock. 1,773,326; Aug. 19.
- Swanson, Peter, Ely, Minn. Gravity lock. 1,786,582; Dec. 30.
- Swanson, Pipsan S., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Steering wheel. Des. 82,190; Sept. 30.
- Swanson, Reynold A., Montrose, S. Dak. Cover-retaining means. 1,752,710; Apr. 1.
- Swanson, Swan A., New York, N. Y. Thread-rolling machine. 1,780,608; Nov. 4.
- Swanson, Swan J., St. Louis, assignor of one-half to U. Dalpini, St. Louis County, Mo. Coin-control mechanism for vending machines. 1,760,449; May 27.
- Swanson, William E., Weehawken, N. J. Resilient pavement. 1,746,169; Feb. 4.

- Swanstrom, Frances E., Duluth, Minn. Garment. 1,749,167; Mar. 4.
- Swanstrom, Martin S., Chicago, Ill. Pneumatic pump. 1,762,597; June 10.
- Sward, Delbert. (See Firestone, V. S., and Sward.)
- Swarner, Joseph D., Kansas City, Kans. Closure operator. 1,782,978; Nov. 25.
- Swars, Paul G., and H. N. Richards, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Clamp for trolley conductors. 1,745,876; Feb. 4.
- Swars, Paul G., Pittsburgh, Pa., assignor to M. Lipman, New York, N. Y. Film-feeding mechanism. 1,776,330; Sept. 23.
- Swart, George R., Hackensack, N. J., and H. Eblig, Pearl River, assignors, by mesne assignments, to Dexter Folder Company, New York, N. Y. Sheet feeder. 1,744,814; Jan. 28.
- Swart, Scovil. (See Talley, Benjamin F., assignor.)
- Swartwout Company, The. (See Barrett, Joseph M., assignor.)
- Swartwout Company, The. (See Bosworth, Frederic M., assignor.)
- Swartwout Company, The. (See McDermont, James H., assignor.)
- Swartwout, Everett W., White Plains, N. Y. Vehicle signal. 1,749,168; Mar. 4.
- Swartwout, Everett W., White Plains, N. Y. Course-signaling system. 1,749,169; Mar. 4.
- Swartwout, Everett W., White Plains, N. Y. Signal for trains. 1,769,892; July 1.
- Swarthout, James E., Elmira, N. Y. Golf scoring device. 1,785,288; Dec. 16.
- Swartz, Francis C., et al. (See Harvey, Ivan L., assignor.)
- Swartz, Guy E., Detroit, Mich. Jig device. 1,742,224; Jan. 7.
- Swartz, Hugh, Seattle, Wash. Spark-plug tester. 1,766,151; June 24.
- Swartz, Ira T. (See Baker, Arthur R., assignor.)
- Swartz, Jack. (See Swartz, Saul M., and J.)
- Swartz, Mary G., et al. (See Harvey, Ivan L., assignor.)
- Swartz, Meyer. (See Swartz, Saul M. and J.)
- Swartz, Ralph M., Bogota, and S. M. Jorgensen, Elizabeth, N. J., assignor to The Superheater Company, New York, N. Y. Superheat regulator. 1,778,921; Oct. 21.
- Swartz, Saul M., and J., Cambridge, Mass. Convertible chair and folding bed. 1,758,721; May 13.
- Swartz, William H., Celina, Ohio. Sanitary milk pail. 1,784,319; Dec. 9.
- Swartzbaugh Manufacturing Company, The. (See Rankin, William A., assignor.)
- Swartzbaugh Manufacturing Company, The. (See Ziola, Henry A., assignor.)
- Swaysland, William. (See Maier, C., and Swaysland.)
- Swearingen, Clair V., Chattanooga, Tenn. Chlorinator. 1,756,105; Apr. 29.
- Sweatt, Harold W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Unit heater control. 1,768,805; July 1.
- Sweatt, Harold W., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Unit heater control. 1,768,941; July 1.
- Sweatt, Harold W., and F. S. Denison, assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic controlling apparatus. 1,768,940; July 1.
- Sweeley, Edward A., Alexandria, Va., and N. T. Anderson, Washington, D. C. Metal hatchway frame and cover. 1,776,168; Sept. 16.
- Sweeley, Edward A., Alexandria, Va., and N. T. Anderson, Washington, D. C. Side-wall floor-rack hinge. 1,776,169; Sept. 16.
- Sweeley, Edward A., Rosemont, Alexandria, Va., and N. T. Anderson, Washington, D. C. Hasp fastening. 1,777,053; Sept. 30.
- Sweeney, James A., Providence, R. I. Ophthalmic mounting. 1,779,265; Oct. 21.
- Sweeney, John T., Kingston, N. Y. Combination tool. 1,742,225; Jan. 7.
- Sweeney, John T., Kingston, N. Y. Combination tool. 1,767,489; June 24.
- Sweeney, Mary J. (See Youngblood, John R., assignor.)
- Sweeney, Orland R., assignor to Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa. Making hard-lumber substitute. 1,772,502; Aug. 12.
- Sweeny, Carey P., Rocky Point, N. Y., assignor to General Electric Company. Transmitting and receiving system. 1,769,868; July 1.
- Sweeny, Perry J., assignor to Standard Oil Company, Whit- ing, Ind. Bubble tower. 1,770,221; July 8.
- Sweet, Burton W., assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Self-opening switch lock. 1,762,202; June 10.
- Sweet, Byron M., Barberton, Ohio. Storage-battery case. Des. 81,043; Apr. 22.
- Sweet, Carl C., assignor to Claybourn Process Corporation, Milwaukee, Wis. Chase. 1,763,725; June 17.
- Sweet, Cecil H., and E. F. Hurst, Brea, Calif. Device for replacing safety plugs of steam boilers. 1,754,657; Apr. 15.
- Sweet, Donald H. (See Pierce, E. F., and Sweet.)
- Sweet, Donald H., Evanston, Ill. Speedometer. 1,761,694; June 3.
- Sweet, Donald H., Evanston, assignor to Alemite Corpo- ration, Chicago, Ill. Lubricating method and means. 1,767,490; June 24.
- Sweet, Frederick A., Salt Lake City, Utah. Transmission mechanism. 1,751,770; Mar. 25.
- Sweet, Heil V., Buffalo, N. Y. Tandem-motored monosea- plane. 1,758,866; May 13.
- Sweet, Henry W., assignor to The Brown Lipe Gear Com- pany, Syracuse, N. Y. Friction clutch. 1,752,039; Mar. 25.
- Sweet, Henry W., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission gearing. 1,774,160; Aug. 26.
- Sweet, Joseph, assignor to Milwaukee Valve Company, Milwaukee, Wis. Valve. 1,776,936; Sept. 30.
- Sweetland, Benjamin J., New York, N. Y. Advertising device. 1,769,607; July 1.
- Sweetland, Ernest J. (See Greenhalgh, G. H., and Sweet- land.)
- Sweetland, Ernest J., Montclair, N. J. Air-conditioning device. 1,742,325; Jan. 7.
- Sweetland, Ernest J., Hazleton, Pa. Lubricating-oil-dis- pensing apparatus. 1,747,608; Feb. 18.
- Sweetland, Ernest J., Hazleton, Pa. Prepared automotive- engine filter clothing. 1,753,277; Apr. 8.
- Sweetland, Ernest J., Hazleton, Pa. Filter and forming the same. 1,764,660; June 17.
- Sweetland, Ernest J., Hazleton, Pa. Filter casing and op- erating the same. 1,774,044; Aug. 26.
- Sweetland, Ernest J., Hazleton, Pa., assignor to Oliver United Filters, Inc., San Francisco, Calif. 1,768,167; June 24.
- Sweetland, Ernest J., and J. V. Zenthoef, Hazleton, Pa., assignors, by mesne assignments, to Oliver United Filters Inc., San Francisco, Calif. Filter leaf. 1,746,409; Feb. 11.
- Sweitzer, William S., Commodore, Pa. Automobile license plate. 1,758,627; May 13.
- Swendsen, David L., Norrkoping, Sweden. Chuck arrange- ment. 1,771,738; July 29.
- Swenson, Carl E., assignor to Mechanics Universal Joint Company, Rockford, Ill. Clutch disk. 1,762,673; June 10.
- Swenson, Carl E., assignor of one-fourth to L. Faust, one- fourth to E. S. Ekstrom, and one-fourth to C. L. Ander- son, Rockford, Ill. Transmission. 1,764,994; June 17.
- Swenson, Carl E., assignor to Mechanics Universal Joint Co., Rockford, Ill. Universal-joint assembly. 1,774,679; Sept. 2.
- Swenson Evaporator Company. (See Sadtler, Philip B., assignor.)
- Swenson, Harold E., Vallejo, Calif. Counterbalanced crane. 1,756,106; Apr. 29.
- Swenson, Martin, Jr., Taihape, New Zealand. Lamp for motor and the like vehicles. 1,784,320; Dec. 9.
- Swenson, Samuel R. (See Peik, Paul G., assignor.)
- Swenson, Herbert A., Rose Creek, Minn. Combination harrow and scraper. 1,786,510; Dec. 30.
- Swern, William E., Kokomo, Ind., assignor to The Good- year Tire & Rubber Company, Akron, Ohio. Tire-build- ing machine. 1,754,583; Apr. 15.
- Swern, William E., Kokomo, Ind., assignor of one-half to The Fisk Rubber Company, Chicopee Falls, Mass., and one-half to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-forming machine. 1,779,376; Oct. 21.
- Swern, William E., Kokomo, Ind., assignor of one-half to The Fisk Rubber Company, Chicopee Falls, Mass., and one-half to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-forming machine. 1,779,377; Oct. 21.
- Sweitt, Wesley S., Newtonville, assignor to United Candy Company, Boston, Mass. Cherry dropper. 1,756,222; Apr. 29.
- Swezey, Burdette S. (See Watson, E. F., and Swezey.)
- Swick, Elda, Clinton, Nebr. Towing hitch. 1,786,093; Dec. 23.
- Swicky, Melchior, Berkshire Heights, assignor to Textile Machine Works, Wyomissing, Pa. Spring-bar-operat- ing mechanism for full-fashioned-knitting machines. 1,761,381; June 3.
- Swift and Company. (See Agar, John C., assignor.)
- Swift and Company. (See Brennan, M. O., and Schuler, assignors.)
- Swift and Company. (See Cook, Calvin P., assignor.)
- Swift & Company. (See Honohan, William D., assignor.)
- Swift & Company. (See McDonald, William, assignor.)
- Swift & Company. (See O'Brien, Thomas, assignor.)
- Swift & Company. (See Parsons, C. H., and Richardson, assignors.)
- Swift & Company. (See Richardson, K. M., and Harding, assignors.)
- Swift & Company. (See Smith, Cecil C., assignor.)
- Swift & Company. (See Smith, Paul C., assignor.)
- Swift and Company. (See Taylor, H. F., Scherubel, and Phelps, assignors.)
- Swift & Company. (See Waterman, Oscar C., assignor.)
- Swift, Edwin H., Brooklyn, N. Y. Air inducer and pre- heater for furnaces. 1,760,183; May 27.
- Swift Electric Welder Company. (See Woofter, Herbert A., assignor.)
- Swift, George W., Jr., Inc. (See Swift, George W., Jr., assignor.)

- Swift, George W., jr., assignor, by mesne assignments, to Bottle Cap Patents Company, Bordentown, N. J. Bottle-capping machine. 1,753,449; Apr. 8.
- Swift, George W., jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Web-cutting machine. 1,754,702; Apr. 15.
- Swift, George W., jr., assignor to G. W. Swift, jr., Inc., Bordentown, N. J. Sheet-feeding means. 1,756,073; Apr. 29.
- Swift, George W., jr., assignor to G. W. Swift, jr., Inc., Bordentown, N. J. Cutting mechanism. 1,756,223; Apr. 29.
- Swift, George W., jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Sheet-feeding machine. 1,772,580; Aug. 12.
- Swift, George W., jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Sheet-feeding machine. 1,774,113; Aug. 26.
- Swift, George W., jr., assignor, by mesne assignments, to Bottle Cap Patents Company, Bordentown, N. J. Bottle-capping machine. 1,781,036; Nov. 11.
- Swift, Justin R., Evanston, assignor to The Superior Type Company, Chicago, Ill. Drawing kit. 1,751,368; Mar. 18.
- Swift, Justin R., Evanston, assignor to The Superior Type Company, Chicago, Ill. Molding flask. 1,751,369; Mar. 18.
- Swift, William S., Westerleigh, Staten Island, N. Y. Revolver holster. 1,750,139; Mar. 11.
- Swigert, Clyde, assignor, by mesne assignments, to St. Joseph Iron Works, St. Joseph, Mich. Making baskets or other receptacles. 1,745,128; Jan. 28.
- Swinburne, M. W., and Sons, Limited. (See Swainson, Robert A., assignor.)
- Swinden, Claude G. H., London, England. Workholding vise. 1,769,398; July 1.
- Swindin, Norman, Acton, London, England. Siphon. 1,752,620; Apr. 1.
- Swindin, Norman, Acton, London, England. Valve. 1,779,503; Oct. 28.
- Swindler, Edgar L., assignor of one-third to N. L. Swindler, San Antonio, Tex. Front-propelling rocking chair. 1,754,703; Apr. 15.
- Swindler, Harry M., Dayton, assignor to The James Leffel & Company, Springfield, Ohio. Intermittent driving mechanism. 1,782,520; Nov. 25.
- Swindler, Nettie L. (See Swindler, Edgar L., assignor.)
- Swinehart, Clark A., Indianapolis, Ind. Interlocking device. 1,748,740; Feb. 25.
- Swing, Alfred J., Irvington, assignor to W. Current, Belleville, N. J. Vending machine. 1,769,399; July 1.
- Swinglehurst, Harry, jr. (See Williams, L. N. D., and Swinglehurst.)
- Swinglehurst, Harry, Orange, N. J., assignor to Scott and Williams Inc., New York, N. Y. Circular-knitting machine. 1,768,644; July 1.
- Swinglehurst, Harry, Orange, N. J., assignor to Scott & Williams, Incorporated, New York, N. Y. Pattern mechanism for automatic knitting machines. 1,774,408; Aug. 26.
- Swinglehurst, Harry, Orange, N. J., assignor to Scott and Williams, Inc., New York, N. Y. Segmental cam ring. 1,785,603; Dec. 16.
- Swingley, Charles W., St. Louis, Mo. Air-heating furnace. 1,774,734; Sept. 2.
- Swingrite Co. (See Davis, Henry K. B., assignor.)
- Swingrite Company. (See Flint, Dutee W., assignor.)
- Swinland, Ingman. (See Fountaine, Philiza, assignor.)
- Swinney Brothers Limited. (See Thompson, Herbert A., assignor.)
- Swinney, Paul M., Los Angeles, Calif. Date-picking platform. 1,759,966; May 27.
- Swinscoe, John. (See Ormsby, D. D., and Swinscoe.)
- Swint, Joe F., Brandon, Tex. Stalk cutter. 1,779,020; Oct. 21.
- Swiss Jewel Co. S. A. (See Sandmeier, Ernst G., assignor.)
- Swiss Locomotive and Machine Works. (See Ruckstuhl, Alwin, assignor.)
- Switek, Arthur A., Corsicana, Tex. Pruning and tree-topping saw. 1,771,664; July 29.
- Switlik Manufacturing Company. (See Smith, Floyd, assignor.)
- Switlik Manufacturing Company. (See Smith, James F., assignor.)
- Swoboda, H. O., Inc. (See Richards, Earl M., assignor.)
- Swoboda, H. O., Inc. (See Swoboda, Hans O., assignor.)
- Swoboda, Hans O., Edgewood, assignor to H. O. Swoboda, Inc., Pittsburgh, Pa. Ironing machine. 1,781,482; Nov. 11.
- Swope, Grady R., St. Petersburg, Fla. Artificial golf-course covering. 1,763,411; June 10.
- Swope, Roy W., assignor to Cen-Tennial Cotton Gin Company, Columbus, Ga. Cotton cleaner and feeder. 1,773,016; Aug. 12.
- Swortzel, Augustus K., Akron, Ohio. Braiding carrier. 1,743,501; Jan. 14.
- Swoyer, Fred, Silver Grove, Ky. Self-cleaning valve for reserve tanks for motor vehicles. 1,766,268; June 24.
- Swoyer, Harry, Dunkirk, N. Y. Driving box for locomotive engines. 1,763,019; June 10.
- Sydnor, Thomas G., Richmond, Va. Weed cutter. 1,760,024; May 27.
- Syester, Vernis O., Linton, Ind. Switch for radioreceivers. 1,780,690; Nov. 4.
- Sykes, Adrian F., New Barnet, England. Recording sound. 1,743,251; Jan. 14.
- Sykes, Cameron M., and A. Binns, assignors to W. & T. Avery Limited, Birmingham, England. Platform weighing machine of the portable type. 1,754,064; Apr. 8.
- Sykes, T., Beaumont, trustee. (See Sykes, Thomas B.)
- Sykes, Thomas B., assignor of one-half to W. F. Sykes, minor (T. B. Sykes, trustee), and one-fourth to J. E. Springer and one-fourth to H. S. Hurlbut, Baltimore, Md. Swimming appliance. 1,748,317; Feb. 25.
- Sykes, William, Rockford, Ill. Automatic door opener. 1,773,124; Aug. 19.
- Sykes, William E., Slough, England. Cutter relief mechanism for machine tools. 1,750,028; Mar. 11.
- Sykes, William E., Slough, England. Cutting gear teeth. 1,750,029; Mar. 11.
- Sykes, William E., Slough, England. Machine for cutting gear teeth. 1,750,030; Mar. 11.
- Sykes, William E., Buffalo, N. Y. Machine for generating gear teeth. 1,750,031; Mar. 11.
- Sykes, William E., Buffalo, N. Y. Universal shaft coupling. 1,763,332; June 10.
- Sykes, William F., et al. (See Sykes, Thomas B., assignor.)
- Sylva, John J. (See Chickester, O. F., and Sylva.)
- Sylva, John J., assignor to California Cedar Products Company, Stockton, Calif. Slat-edging machine. 1,786,039; Dec. 23.
- Sylvander, Roy C., Washington, D. C., H. N. Eaton, Chevy Chase, Md., and W. A. MacNair, Houghton, Mich. Speed indicator. 1,779,783; Oct. 28.
- Sylvanne, Erkki, Astoria, Oreg. Snap for trolling lines. 1,779,343; Oct. 21.
- Sylvester, John M. (See Lewis, R. A., and Sylvester.)
- Sylvester, Louis G. (See Smith, Winfield D., assignor.)
- Syman, Theodore E., et al. (See Minium, Abram E., assignor.)
- Symington Company, The. (See Anderson, Gustaf A., assignor.)
- Symington Company, The. (See Barrows, Donald S., assignor.)
- Symington Company, The. (See Couch, Glenn F., assignor.)
- Symington Company, The. (See Dunbeck, Joseph R., assignor.)
- Symington Company, The. (See Hankins, Cyrus, assignor.)
- Symington Company, The. (See Kadel, Byers W., assignor.)
- Symington Company, The. (See Kadel, B. W., and Barrows, assignors.)
- Symington Company, The. (See Martin, Mark H., assignor.)
- Symington Company, The. (See Noser, Charles P., assignor.)
- Symington Company, The. (See Richards, Willard F., assignor.)
- Symington Company, The. (See Symington, Thomas H., assignor.)
- Symington, T. H., and Son, Inc. (See Drenning, Percy R., assignor.)
- Symington, T. H., and Son, Inc. (See Hankins, Cyrus, assignor.)
- Symington, T. H., & Son, Inc. (See Symington, Thomas H., assignor.)
- Symington, T. H., & Son, Inc. (See Symington, T. H., and Drenning, assignors.)
- Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Antibanking car truck. 1,742,672; Jan. 7.
- Symington, Thomas H., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Truck side frame. 1,745,728; Feb. 4.
- Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Absorption mechanism. 1,763,830; June 17.
- Symington, Thomas H., assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Bolster. 1,773,244; Aug. 19.
- Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Railway-car-truck bolster. 1,785,056; Dec. 16.
- Symington, Thomas H., and P. R. Drenning, assignors to T. H. Symington & Son, Inc., Baltimore, Md. Railway-truck bolster. 1,749,679; Mar. 4.
- Symington, Thomas H., and P. R. Drenning, assignors to T. H. Symington & Son, Inc., Baltimore, Md. Bolster with lateral-motion mountings. 1,772,328; Aug. 5.
- Symington, Thomas H., and P. R. Drenning, assignors, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Bolster. 1,775,951; Sept. 16.
- Symmes, Ernest M., assignor to Hercules Powder Company, Wilmington, Del. Viscosimeter. 1,780,952; Nov. 11.
- Symmes, Whitman, San Francisco, assignor to A. S. Blake, Berkeley, Calif. Oil-burning process. 1,785,154; Dec. 16.
- Symonds, Ralph F., Marblehead, assignor to New England Structural Products Co., Everett, Mass. Winch. 1,746,060; Feb. 4.
- Symonds, Ralph F., Marblehead, assignor to New England Trawler Equipment Co., Everett, Mass. Towing block. 1,758,722; May 13.

- Symons, Arthur H., River Forest, assignor to Symons Clamp & Mfg. Company, Chicago, Ill. Adjusting device. 1,755,708; Apr. 22.
- Symons, Arthur H., assignor to Symons Clamp & Mfg. Company, Chicago, Ill. Shore. 1,783,266; Dec. 2.
- Symons Clamp & Mfg. Company. (See Symons, Arthur H., assignor.)
- Symons, Edgar B., Los Angeles, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Crushing machine. 1,776,454; Sept. 23.
- Symons, Ernest R., Rocanville, Saskatchewan, Canada. Mechanic's pump oiler. 1,747,800; Feb. 18.
- Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Corn-husking mechanism. 1,750,546; Mar. 11.
- Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Corn picker and husker. 1,765,950; June 24.
- Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Manure spreader. 1,782,053; Nov. 18.
- Synton Company. (See Katz, Solomon, assignor.)
- Synton Company. (See Weyandt, Carl S., assignor.)
- Syracuse Chilled Plow Co. (See Livermore, Kenneth C., assignor.)
- Syracuse Washing Machine Corporation. (See Geldhof, Peter E., assignor.)
- Syracuse Washing Machine Corporation. (See Husk, J. W., and Olson, assignors.)
- Syracuse Washing Machine Corporation. (See Nelson, J. C., and Geldhof, assignors.)
- Syracuse Washing Machine Corporation. (See Papworth, Walter A., assignor.)
- Syracuse Washing Machine Corporation. (See Wilkinson, Guy C., assignor.)
- Syring, Louis H. (See Schorr, P. C., and Syring.)
- Systrom, Ernest W., Detroit, assignor to R. T. Romine, Mount Clemens, Mich. Portable stack lifter. 1,745,049; Jan. 28.
- Szabo, Louis, and C. Machata, Buenos Aires, Argentina. Wrench. 1,771,970; July 29.
- Szakacs, Joseph, Lincoln, Nebr. Unicycle glider. 1,777,941; Oct. 7.
- Szakács, Louis, Naginney, Pa. Toothbrush and paste holder. 1,756,142; Apr. 29.
- Szalay, Ferenc, Budapest, Hungary. Device for the prevention of the tilting movement of current-collector bows. 1,760,795; May 27.
- Szegvári, Andrew. (See Klein, P., Szegvári, and Gotléb.)
- Szegvari, Andrew. (See Klein, P., and Szegvari.)
- Szekely, Otto E. (See Johnson, R. H., and Szekely.)
- Szekely, Otto E., Holland, Mich. Piston ring. 1,769,974; July 8.
- Szekely, Otto E., Holland, Mich. Oil ring. 1,769,975; July 8.
- Szekely, Otto E., and R. H. Johnson, Holland, Mich. Piston-ring-spring machine. 1,749,895; Mar. 11.
- Szepesi, Eugene, Scarsdale, N. Y. Instrument for graphic control. 1,778,737; Oct. 21.
- Szepsy, Ludovic, and I. Windisch, Arad, Rumania. Rail tie. 1,782,153; Nov. 18.
- Szewczyk, Stanislaw, Passaic, N. J. Scraper for belt-making machines. 1,768,942; July 1.
- Szigei Dezső, New York, N. Y. Support for violins, violin bows and the like. 1,758,985; May 20.
- Szillard, Leo. (See Einstein, A., and Szillard.)
- Szinay, Joseph, New York, N. Y. Fountain-feed drawing pen. 1,767,562; June 24.
- Szmukler, Constantin, Grenoble, France. Combined pump and electric motor. 1,759,766; May 20.
- Szmukler, Constantin, Grenoble, France. Machine for treating hides, skins, leather, and other similar pieces of work. 1,760,796; May 27.
- Szöke, Stefan, Levoca, Czechoslovakia, assignor to one-half to J. Kralíček, Levoca, Slovakia. Tying means for bags and the like. 1,776,050; Sept. 16.
- Szwajkart, Adam L., Chicago, Ill. Automatic telephone-receiver signal. 1,752,211; Mar. 25.
- Szymanski, Vincent, Detroit, Mich. Lock. 1,764,367; June 17.
- T-Hold Mfg. Co., The. (See Smith, Allen C., assignor.)
- T. & S. Corporation. (See Dederling, Helmer, assignor.)
- T & S Corporation. (See Strid, Sven J., assignor.)
- T & S Corporation. (See T aylor, Steadman O., assignor.)
- T. W. & C. B. Sheridan Company et al. (See Bredenberg, Alfred, assignor.)
- T-Z Railway Equipment Co. (See Turner, Guilford S., assignor.)
- Tabellion, Peter. (See Hellscher, C., and Tabellion.)
- Taber, George H., Elmira Heights, N. Y. Braking system for motor vehicles. 1,770,558; July 15.
- Taber, George H., jr., Rye, assignor to Sinclair Refining Company, New York, N. Y. Apparatus for refining oil. 1,746,915; Feb. 11.
- Taber, George H., jr., Rye, assignor to Sinclair Refining Company, New York, N. Y. Manufacture of lubricating oil. 1,746,916; Feb. 11.
- Taber, George H., jr., Rye, assignor to Sinclair Refining Company, New York, N. Y. Manufacture of lubricating oil. 1,749,896; Mar. 11.
- Tabernilla, Alfred F. (See Tores, Aurelio R., assignor.)
- Tabis, Mihály, Montreal, Quebec, Canada. Water motor. 1,759,671; May 20.
- Tabor Manufacturing Company, The. (See Lewis, Wilfred, assignor.)
- Tabor Manufacturing Company, The. (See Ramsden, John T., assignor.)
- Tabor Manufacturing Company, The. (See Wallace, Frank R., assignor.)
- Tabulating Machine Company, The. (See Bryce, James W., assignor.)
- Tabulating Machine Company, The. (See Carroll, Fred M., assignor.)
- Tabulating Machine Company, The. (See Cunningham, J. M., assignor.)
- Tabulating Machine Company, The. (See Daly, George F., assignor.)
- Tabulating Machine Company, The. (See Daly, G. F., and Page, assignors.)
- Tabulating Machine Company, The. (See Ewald, Bernhard K. F., assignor.)
- Tabulating Machine Company, The. (See Ford, Eugene A., assignor.)
- Tabulating Machine Company, The. (See Gray, Alvin E., assignor.)
- Tabulating Machine Company, The. (See Lake, Clair D., assignor.)
- Tabulating Machine Company, The. (See Lake, C. D., and Page, assignors.)
- Tabulating Machine Company, The. (See Lake, C. D., and Storey, assignors.)
- Tabulating Machine Company, The. (See Lee, F. L., and Phillips, assignors.)
- Tabulating Machine Company, The. (See Mills, Albert W., assignor.)
- Tabulating Machine Company, The. (See Page, Ralph E., assignor.)
- Tabulating Machine Company, The. (See Rauber, Heinrich, assignor.)
- Tabulating Machine Company, The. (See Reynolds, Lynus C., assignor.)
- Tabulating Machine Company, The. (See Schaaff, John T., assignor.)
- Tabulating Machine Company, The. (See Weinlich, Hermann A., assignor.)
- Tacchella, Adolph A., Berkeley, assignor to T. E. Hammond, Los Angeles, Calif. Internal-combustion engine and operating same. 1,753,253; Apr. 8.
- Tack, Robert F., New York, N. Y. Sound amplifier. 1,764,059; June 17.
- Tacoma, Johannes, and C. de Vleeschouwer, Amsterdam, Netherlands. Display rack or tray. 1,754,970; Apr. 15.
- Tacoma Veneer Company. (See Olson, Berndt A., assignor.)
- Tactiphone Company, The, et al. (See MacDonald, Joel W., assignor.)
- Taddiken, John F. (See Hamill, J., and Taddiken.)
- Taddiken, Ulrich A., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heating system. 1,747,193; Feb. 18.
- Taddiken, Ulrich A., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,770,718; July 15.
- Taeschner, Kurt, Duren, Germany. Production of artificial teeth. 1,751,178; Mar. 18.
- Taubert, Richard, Holyoke, Mass. Automobile direction signal. 1,776,051; Sept. 16.
- Taffe, Leo Thomas, Detroit, Mich. Door fastener. 1,756,313; Apr. 29.
- Taffe, Leo T., assignor to Ideal Engineering Specialty Company, Detroit, Mich. Doorcheck hinge. 1,775,789; Sept. 16.
- Tafian, Alexander G., Detroit, Mich. Aeroplane. 1,773,889; Aug. 26.
- Taft, Benjamin, Flushing, N. Y. Chart. 1,756,040; Apr. 29.
- Taft, Edward P., P. L. Videtto, and J. A. Gaddy, Augusta, Ga. Harness-tape selvage motion for looms. 1,748,001; Feb. 18.
- Taft, John A., Corpus Christi, assignor to P. M. Clark, Dallas, Tex. Cotton baling. 1,772,164; Aug. 5.
- Taft, John H., et al. (See Schoettler, Frederick H., assignor.)
- Taggart, Charles, Detroit, Mich. Railway journal-wedge-grinding device. 1,786,139; Dec. 23.
- Taggart, George M., jr. (See Westgaard, L., and Taggart.)
- Taggart, Louis E., near Palo Alto, Calif. Sprinkler. 1,758,767; May 13.
- Tagler, Joseph, Los Angeles, Calif. Shoe attachment. 1,758,091; May 13.
- Tagliaferri, Leone, Genoa, Italy. Electromagnetically-controlled hydraulic governor for electric and other arc furnaces. 1,774,213; Aug. 26.
- Tagliani, Giovanni, Basel, Switzerland, assignor to Munitex Corporation, Paterson, N. J. Composition for and process of delustering artificial silk. 1,770,114; July 8.
- Tagliani, Giovanni, assignor to the firm: Chemical works formerly Sandoz, Basel, Switzerland. Treating cellulosic fibers with alkali. 1,776,052; Sept. 16.
- Talcher, Adolph, Manitowoc, Wis. Wheeled carriage. 1,745,562; Feb. 4.
- Tainton, Urllyn C., East St. Louis, Ill. Electrolysis. 1,759,493; May 20.
- Tainton, Urllyn C., Johannesburg, Transvaal, South Africa. Recovery of lead and other metals from ores or other lead-bearing materials. 1,759,494; May 20.
- Taintor, Myron F., Easthampton, Mass., assignor to The Smith & Griggs Manufacturing Co., Waterbury, Conn. Automatic lighter. 1,746,321; Feb. 11.

- Tait, Francis, jr. (See Tait, John, W., and F., jr.)
- Tait, John, W., and F., jr., assignors to Howard Hosiery Company, Philadelphia, Pa. Stripping attachment for circular spring beard-needle knitting machines. 1,763,378; June 10.
- Tait, Robert W., Mystic, and C. F. Lepper, Centerville, Iowa, Square. 1,778,922; Oct. 21.
- Tait, William. (See Tait, John, W., and F., jr.)
- Takahashi, Katsumi, Aza, Shibuya-Machi, Toyotama-Gori, Japan, assignor to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Extracting vitamin A from fish oils and the like. 1,786,095; Dec. 23.
- Takamine, Caroline, administratrix. (See Takamine, Jokichi and J., jr., and Fujita.)
- Takamine Ferment Company. (See Takamine, Jokichi and J., jr., and Fujita, assignors.)
- Takamine, Jokichi, jr. (See Takamine, Jokichi and J., jr., and Fujita.)
- Takamine, Jokichi, deceased, Passaic, N. J.; C. Takamine, administratrix, New York, N. Y.; J. Takamine, jr., Clifton, N. J., and N. Fujita, Tokyo, Japan, assignors to Takamine Ferment Company, New York, N. Y. Vitamin product and obtaining the same. 1,756,574; Apr. 29.
- Takehara, Tsunetaro, Okayama, Japan. Automatic steering apparatus of automobiles. 1,771,825; July 29.
- Takeuchi, Nakaji, Takinogawa-Cho, Tokio, Japan. Menstruation band. 1,772,969; Aug. 12.
- Talarn, Camilo, Rosario De Santa Fe, Argentina. Indicating copyholder. 1,786,874; Dec. 30.
- Talbot, Ernest, Lowestoft, England. Piston for fluid-pressure engines. 1,758,543; May 13.
- Talbot, Evariste E., Fall River, Mass. Parallel picker stick motion. 1,748,029; Feb. 18.
- Talbot, James M., Dongan Hills, N. Y., assignor to The S. S. White Dental Manufacturing Company. Shaft assembly. 1,776,525; Sept. 23.
- Talbot, Stanley E., Wimbeldon, England. Glare-preventing device. 1,773,245; Aug. 19.
- Talbott, Charles G., Stamford, Conn., assignor to The Barrett Company. Device for spreading bitumen. 1,751,565; Mar. 25.
- Talbott, Charles G., Stamford, Conn., assignor to The Barrett Company. Bitumen spreader. 1,759,920; May 27.
- Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Track jack. 1,780,989; Nov. 11.
- Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Turntable support. 1,781,348; Nov. 11.
- Talbutt, Robert H., deceased, by R. Robinson, administrator, and F. A. Allner, Baltimore, Md. Roasting apparatus. 1,782,946; Nov. 25.
- Talcott, Morton C., assignor to The Billings & Spencer Company, Hartford, Conn. Board drop hammer. 1,776,377; Sept. 23.
- Taliaferro, Finis, Coffeyville, Kans. Curtain attachment. 1,753,909; Apr. 8.
- Taliaferro, John C., jr. (See Coyle, J., Taliaferro, and Schmitt.)
- Taliaferro, Robert R. (See Lewis, A. T., Gant, and Taliaferro.)
- Talisman, Samuel, San Bernardino, Calif. Paper clip. 1,759,142; May 20.
- Tallade, Alexandre C., Barcelona, Spain. Valve system for reciprocating engines. 1,767,624; June 24.
- Tallent, Joseph A., Alton Park, assignor of thirty per cent to D. T. Jones and thirty per cent to J. U. Jones, Chattanooga, Tenn. Ice-cream-cone-making machine. 1,750,497; Mar. 11.
- Talley, Bascom D. (See Long, James T., assignor.)
- Talley, Benjamin F., assignor of one-half to S. Swart, Drummond, Okla. Disk sharpener. 1,764,812; June 17.
- Talley, Charlotte, New York, N. Y. Hospital chart and card holder. 1,781,139; Nov. 11.
- Talley, Randal E., North Irwin, Pa. Oil burner. 1,777,337; Oct. 7.
- Talley, Randal E., Irwin, assignor to George J. Hagan Company, Pittsburgh, Pa. Electric heating furnace. 1,783,155; Nov. 25.
- Talley, Randal E., Irwin, assignor to George J. Hagan Company, Pittsburgh, Pa. Heat-treating apparatus. 1,783,156; Nov. 25.
- Tallmadge, Charles H., Buffalo, N. Y., assignor to L. A. Williams, Chicago, Ill. Card for numerical coding. 1,768,806; July 1.
- Tallman, Zach D., Oakland, Calif. Valve. 1,778,092; Oct. 14.
- Talmage, Everett, Sabina, Ohio. Metal-roof construction. 1,763,870; June 17.
- Talmage, Josiah S., Pine Castle, Fla. Pruning saw. 1,769,400; July 1.
- Talvitie, John W., Brush Prairie, Wash. Planting implement. 1,771,694; July 29.
- Tamamura, Yusuke, Tokyo-Fu, Japan. Clip for the rope-way car or the like. 1,771,469; July 29.
- Tambart, Elmer A., Culver City, Calif. Scanning device. 1,767,718; June 24.
- Tamborello, Frank, Milwaukee, Wis. Aviator's cap. 1,774,246; Aug. 26.
- Tamen, Tom, Lakota, Iowa. Feed grinder. 1,755,037; Apr. 15.
- Tamke, Fred W., and G. W. Boh, New Orleans, La.; said Tamke assignor to said Boh. Box or container. 1,770,819; July 15.
- Tammarazzo, Anthony, Arlington, N. J. Clothes-hanging device. 1,760,290; May 27.
- Tamplin, William W., Hutchinson, Kans. Eyeglasses or spectacles. 1,744,993; Jan. 28.
- Tamsitt, George W. (See Quick, C. F., and Tamsitt.)
- Tan, Ramon, Cebu, Cebu, assignor to F. Arias, Cebu, P. I. Copra drier. 1,780,047; Oct. 28.
- Tanaka, Hiroshi. (See Suzuki, T. Tanaka, and Kurita.)
- Tanaka, Yoshio, Kitatoshima-Gun, Tokyo-Fu, and T. Kuwata, Ebura-Gun, Tokyo-Fu, Japan. Producing borneol and limonene. 1,784,165; Dec. 9.
- Tanaki, Tomoaki. (See Tanaki, Yoshitomo, assignor.)
- Tanaki, Yoshitomo, assignor to T. Tanaki, Los Angeles, Calif. Broiler and toaster. 1,748,741; Feb. 25.
- Tancré, William W., San Diego, Calif. Fruit clipper. 1,769,401; July 1.
- Tandberg, John G., Stockholm, Sweden, assignor to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Cleaner. 1,773,381; Aug. 19.
- Tangenberg, Edward A., Grand Rapids, Mich. Hinge. 1,769,553; July 1.
- Tanigawa, Tomizo, assignor of one-half to F. K. Makino, Honolulu, Hawaii. Heel pad. 1,756,107; Apr. 29.
- Tanimoto, Frank R., Los Angeles, Calif. Television device. 1,769,608; July 1.
- Tannehill, Vernon L., assignor to Fort Wayne Engineering & Manufacturing Co., Fort Wayne, Ind. Pulsation eliminator for pumps. 1,767,100; June 24.
- Tannehill, Vernon L., assignor to Fort Wayne Engineering & Manufacturing Co., Fort Wayne, Ind. Fluid-treating apparatus. 1,775,412; Sept. 9.
- Tannehill, Vernon L., assignor to Fort Wayne Engineering & Manufacturing Company, Fort Wayne, Ind. Control mechanism for electric motors. 1,783,634; Dec. 2.
- Tannenbaum, Max, New York, N. Y. Cigarette lighter. 1,763,911; June 17.
- Tanner, Arnold J., North Haven, Conn. Packing and display container. 1,743,502; Jan. 14.
- Tanner, Arnold J., North Haven, Conn. Folding display container. 1,746,721; Feb. 11.
- Tanner, Arnold J., North Haven, Conn. Folding packing and display container. 1,759,470; May 20.
- Tanner, Arnold J., North Haven, Conn. Packing and display container. 1,761,598; June 3.
- Tanner, Arnold J., North Haven, assignor of one-half to T. H. Low, New Haven, Conn. Folder or container. 1,755,375; Apr. 22.
- Tanner Engineering Company, The. (See Tanner, Harry L., assignor.)
- Tanner, Floyd O., assignor to General Motors Corporation, Detroit, Mich. Apparatus for making pistons. 1,742,795; Jan. 7.
- Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Compensating for error-producing influences in electrical apparatus. 1,743,252; Jan. 14.
- Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Transmission system. 1,745,961; Feb. 4.
- Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Reducing hysteresis effects in electrical apparatus. 1,749,897; Mar. 11.
- Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Reducing the effects of residual magnetism in electrical apparatus. 1,749,929; Mar. 11.
- Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Phase-changing apparatus. 1,753,322; Apr. 8.
- Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Damping gyroscopic compasses. 1,765,548; June 24.
- Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Transmission system. 1,768,966; July 1.
- Tanner, Harry L., Brooklyn, assignor to The Tanner Engineering Company, Inc., Long Island City, N. Y. Recording instrument. 1,775,976; Sept. 16.
- Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Variable-speed control device. 1,784,504; Dec. 9.
- Tanner, Herbert G., Eugene, Oreg. Composition of matter for coloring flames. 1,750,371; Mar. 11.
- Tanners' Council of the United States of America. (See McLaughlin, G. D., Rockwell, O'Flaherty, and Highberger, assignors.)
- Tannert, Gustav A., Chicago, Ill. Curtain-rod bracket. 1,747,914; Feb. 18.
- Tanillo, James, Glendale, assignor of one-half to F. E. Gaines, Los Angeles, Calif. Aircraft. 1,750,911; Mar. 18.
- Tantlinger, Don V., Sherman, Calif. Boomerang-throwing device. 1,759,471; May 20.
- Tantlinger, Walter W., Santa Ana, Calif. Fruit picker. 1,743,580; Jan. 14.
- Tanzi, Joseph M., Los Angeles, Calif. Milk pot. 1,768,013; June 24.
- Taper Tube Pole Co. (See De Witt, Clinton, assignor.)
- Tapp, Charles E., Barachois, Quebec, assignor of two-thirds to Paul Guertin & Cie., Quebec, Canada. Combination tumbler and bottle opener. 1,755,086; Apr. 15.

- Tapp, Ernest T. J., London, England. Self-propelled road vehicle. 1,783,890; Dec. 2.
- Tappan, De Witt, and Farnum F. Dorsey, assignor, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. Engine-starting mechanism. 1,747,146; Feb. 11.
- Tappan, Harry D., Philadelphia, Pa. Automobile brake. 1,759,377; May 20.
- Tappan, Robert, Forest Hills, N. Y. Building construction. 1,781,794; Nov. 18.
- Tar & Petroleum Process Company. (See Knowles, Alexander S., assignor.)
- Tarbox, Gordon L., and C. W. Spicer, Plainfield, N. J. Making tube joints. 1,775,055; Sept. 2.
- Tarbox, John P., Philadelphia, Pa., assignor to G. Reis & Bro., Inc., New York, N. Y. Process and apparatus for cutting, folding, and pressing garment labels. 1,745,775; Feb. 4.
- Tarbox, John P., Philadelphia, Pa., assignor to Tarbox Safety Aircraft Company, Wilmington, Del. Balancing system for aircraft. 1,752,119; Mar. 25.
- Tarbox, John P., Garden City, N. Y. Electric display system. 1,769,554; July 1.
- Tarbox, John P., New York, N. Y. Method and system of crossing-traffic control. 1,769,555; July 1.
- Tarbox, John P., assignor to Budd Wheel Company, Philadelphia, Pa. Making hubs. 1,777,455; Oct. 7.
- Tarbox Safety Aircraft Company. (See Tarbox, John P., assignor.)
- Tardif, Omeril, and L. Carrier, assignors to La Fonderie de Plessisville, Plessisville, Quebec, Canada. Lath machine. 1,748,906; Feb. 25.
- Tardy, Michael, Paterson, N. J. Display stand. 1,768,271; June 24.
- Tark, Marcus B., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Sewage-disposal apparatus. 1,763,412; June 10.
- Tarkington, George W., Silver Plume, Colo. Electric sign and its operation. 1,752,760; Apr. 1.
- Tarkington, George W., Silver Plume, Colo. Extracting essentials from coffee and other substances. 1,752,761; Apr. 1.
- Tarlow, Isidor, Brockton, Mass. Sport-shoe heel-attaching apparatus. 1,757,152; May 6.
- Tarone, Philip, and J. Rowland, Ravenrun, Pa. Coal separator. 1,787,096; Dec. 30.
- Tarpley, James N., Oklahoma City, Okla. Vessel for submerged baking of pies. 1,759,921; May 27.
- Tarr, Lester W., assignor, by mesne assignments, to Continental-Diamond Fibre Company, Newark, Del. Track insulation. 1,758,867; May 13.
- Tarr, Omar F., Baltimore, Md., assignor to Mutual Chemical Company of America, New York, N. Y. Manufacture of chromates. 1,752,863; Apr. 1.
- Tarrant, Walter G., et al. (See Bouillon, Emile, assignor.)
- Tarrier, Fred A., Columbus, Ohio. Fence construction. 1,764,584; June 17.
- Tarshis, Ralph, Brooklyn, N. Y. Helicopter. 1,779,054; Oct. 21.
- Tarver, Edward B., Lakewood, assignor to The Medina Rubber Company, Medina, Ohio. Windshield wiper. 1,779,344; Oct. 21.
- Tarver, William H., Savannah, Ga. Display cabinet. 1,750,440; Mar. 11.
- Tarzian, Sarkes, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Volume control. 1,755,310; Apr. 22.
- Tascarella, Salvatore, Brooklyn, N. Y. Glove-drying rack. 1,755,902; Apr. 22.
- Tascarella, Salvatore, Brooklyn, N. Y. Examining table. 1,776,204; Sept. 16.
- Taschner, Frank A., Detroit, Mich. Fire kindler. 1,753,390; Apr. 8.
- Taschner, Wilhelm, Frefeld, Germany. Skein-yarn-beating machine. 1,779,021; Oct. 21.
- Tashjian, Armen H., Cleveland, Ohio. Structural element and structure composed thereof. 1,745,729; Feb. 4.
- Tashjian, Armen H., Cleveland, Ohio. Metallic structural element. 1,746,201; Feb. 4.
- Tasker, Guy E., Dubuque, Iowa. Air cleaner for internal-combustion engines. 1,767,324; June 24.
- Tasker, Homer G. (See Gary, L. A., and Tasker.)
- Tasman, George, assignor to Locke & Co., New York, N. Y. Automobile body. 1,751,771; Mar. 25.
- Tassell, Leslie H., Clunes, Australia. Window for motor cars and other vehicles. 1,771,322; July 22.
- Tassler, William T. (See Goetz, Leo H., assignor.)
- Tastenhoye, Francois. (See Tastenhoye, Hubert and F.)
- Tastenhoye, Hubert, and F. Tastenhoye, Brussels, Belgium. Tire signal. 1,773,505; Aug. 19.
- Tastenhoye, Wynant, Brussels, Belgium. Multiway liquid-pressure-distributing pump, with return of the liquid to the reservoir after use. 1,765,249; June 17.
- Taster, H. V., et al. (See Goff, Henry J., assignor.)
- Tasty Baking Company. (See Brierley, Clifton, assignor.)
- Tatarek, Joseph C., Jamestown, N. Dak. Flue bushing. 1,753,098; Apr. 1.
- Tate, Alfred O., Toronto, Ontario, Canada. Scanning disk. 1,779,518; Oct. 28.
- Tate, James R., Toronto, Ontario, assignor to Dominion Cutout Company Limited, Toronto, Canada. Combined electric fuse and switch. 1,781,990; Nov. 18.
- Tate, Kenneth L., assignor to Taylor Instrument Companies, Rochester, N. Y. Apparatus for making capillary tubes. 1,750,372; Mar. 11.
- Tatham, Norman, Los Angeles, Calif. Scale. 1,752,711; Apr. 1.
- Tatosian, Harry. (See Schroeder, C., and Tatosian.)
- Tatosian, Harry G., Bridgeport, assignor to Ice Cream Cone Machinery Inc., Bridgeport, Conn. Ice-cream-cone machine. 1,765,464; June 24.
- Tatter, John W. (See Pascoe, W. H., and Tatter.)
- Tatter, John W., Chicago, Ill. Tractor wheel. 1,779,994; Oct. 28.
- Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Brake. 1,755,525; Apr. 22.
- Tatter, John, and W. H. Pascoe, Chicago, Ill. Piston. 1,781,037; Nov. 11.
- Tatum, John J. (See Emerson, G. H., and Tatum.)
- Tatum, John J., Baltimore, Md. Car seat. 1,749,518; Mar. 4.
- Tatum, William W. (See Shepherdson, A., and Tatum.)
- Tatum, William W. (See Shepherdson, A., Tatum, and Bunbury.)
- Tatum, William W., assignor to British Dyestuffs Corporation Limited, Manchester, England. Manufacture and production of anthraquinone intermediates. 1,776,869; Sept. 30.
- Taub, Alex, Detroit, Mich. Condenser and making the same. 1,761,281; June 3.
- Taub, Alex, assignor to General Motors Corporation, Detroit, Mich. Cylinder-head combustion chamber. 1,757,399; May 6.
- Taube, Carl, Leverkusen-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of phenylemercuric acetate. 1,786,094; Dec. 23.
- Tauber, Joseph M., Chicago, Ill. Lawn mower. 1,763,831; June 17.
- Taunton Pearl Works, Inc. (See Ormsbee, Willard A., assignor.)
- Taurel, Fernando, Buenos Aires, Argentina. Machine for making vermicelli and similar produce. 1,744,591; Jan. 21.
- Tauriainen, Charles, Houghton, Mich. Agitating means for hoppers. 1,755,674; Apr. 22.
- Taurisano, Peter, Springfield, Mass. Apparatus for internal-combustion engines. 1,778,923; Oct. 21.
- Tauschek, Gustav, Vienna, Austria. Feeling device for machines for interpreting perforated cards. 1,745,388; Feb. 4.
- Tauschek, Gustav, Vienna, Austria. Machine for shuffling cards. 1,757,553; May 6.
- Tauschek, Gustav, Vienna, Austria. Paper-feeding mechanism. 1,762,749; June 10.
- Tauschek, Gustav, Vienna, Austria. Pawl. 1,781,349; Nov. 11.
- Taussig, Joseph, Chicago, Ill. Lamp-socket support for show-case reflectors. 1,757,346; May 6.
- Taussig, Walter, Frankfurt-on-the-Main, Germany, assignor to Durand & Huguenin, Basel, Switzerland. Printing wool with ester salts of leuco compounds of vat dyestuffs. 1,784,768; Dec. 9.
- Tausz Jenö, Karlsruhe, Germany. Purifying hydrocarbon oils. 1,772,921; Aug. 12.
- Tautz, Herbert E., Milwaukee, Wis. Toy sewing machine. 1,749,114; Mar. 4.
- Taveira, Antonio A. M., assignor to The Textile-Finishing Machinery Company, Providence, R. I. Automatic stretching and guiding apparatus. 1,753,033; Apr. 1.
- Tavender, Walter K., Haworth, N. J. Thermostat electric switch for heating pads. 1,779,149; Oct. 21.
- Tavener, Richard B., Pasadena, Calif. Mechanical pencil. 1,785,881; Dec. 23.
- Taverner, Leonard. (See Gardner, D., and Taverner.)
- Tawls Grate Bar Company. (See Tawls, John T., assignor.)
- Tawls, John T., Everett, Wash., assignor to Tawls Grate Bar Company. Grate bars. 1,775,790; Sept. 16.
- Taylor, Ada M. (See Taylor, William H., and A. M.)
- Taylor, Albert H., et al. (See Galbraith, Warren L., assignor.)
- Taylor, Albert H., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Receiver of high-frequency electrical signals. 1,743,052; Jan. 7.
- Taylor, Albert H., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Radio transmission system. 1,766,047; June 24.
- Taylor, Albert C., Warren, Ohio. Electrical welding machine. 1,744,062; Jan. 21.
- Taylor, Alexander, Redlands, Calif. Safety engine starter. 1,753,537; Apr. 8.
- Taylor, Allan R. (See Keese, M. F., and Taylor.)
- Taylor, Alston D., Los Angeles, Calif. Automatic gas-control valve. 1,783,395; Dec. 2.
- Taylor, Anna M., Springfield, Ill. Fruit and vegetable cutter. 1,744,422; Jan. 21.
- Taylor, Bayard E., Oak Park, Ill. Automobile door latch. 1,743,637; Jan. 14.
- Taylor, Burt E., Mount Vernon, assignor to The Borden Company, New York, N. Y. Machine for applying cement to can tops. 1,782,450; Nov. 25.
- Taylor, Cecil H., Detroit, Mich. Shimmying dampener. 1,783,348; Dec. 2.
- Taylor, Cecil H., Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind. Vehicle brake. 1,750,788; Mar. 18.

- Taylor, Charles, Buffalo, N. Y., assignor to Taylor Freezer Corporation, Beloit, Wis. Ice-cream freezer. 1,752,582; Apr. 1.
- Taylor, Charles, Buffalo, N. Y., assignor to Taylor Freezer Corporation, Beloit, Wis. Ice-cream-freezing system. 1,760,217; May 27.
- Taylor, Charles, Beloit, Wis., assignor to Taylor Freezer Corporation, South Beloit, Ill. Freezer fountain. 1,765,747; June 24.
- Taylor, Charles B., Milwaukee, and C. Schindler, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Prime-mover control system. 1,761,596; June 3.
- Taylor, Charles C. (See Tyler, J. G., Taylor, and Johnson.)
- Taylor, Clarence W. (See Taylor, William H. and A. M., assignors.)
- Taylor, Clifton, Pittsburgh, Pa., and H. L. Greene, Toledo, Ohio, assignors to Molybdenum Corporation of America, Pittsburgh, Pa. Cast-iron alloy. 1,762,109; June 3.
- Taylor, Cyrus, Hartford, Conn. Disk or lid feeding and inserting device. 1,744,178; Jan. 21.
- Taylor, Cyrus, Hartford, Conn. Valve or control mechanism for machines for filling materials into containers. 1,763,487; June 10.
- Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switch. 1,768,943; July 1.
- Taylor, Donald R. N., Longueville, near Sydney, New South Wales, Australia. Photographic-printing apparatus. 1,742,372; Jan. 7.
- Taylor, Edmund R. (See Glezen, L. L., Stigers, and Taylor.)
- Taylor, Edmund R., New York, N. Y., assignor to American Telephone and Telegraph Company. Multiplex broadcast system. 1,772,166; Aug. 5.
- Taylor, Edmund R., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,772,167; Aug. 5.
- Taylor, Edmund R., New York, N. Y., and O. B. Hanson, Roselle, N. J., assignors to American Telephone and Telegraph Company. Multiplex broadcast system. 1,772,165; Aug. 5.
- Taylor, Edmund R., New York, N. Y., and O. B. Hanson, Roselle, N. J., assignors to American Telephone and Telegraph Company. Multiplex broadcasting system. 1,772,168; Aug. 5.
- Taylor, Edward A., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Method of and agent for depilating hides. 1,743,938; Jan. 14.
- Taylor, Edward A., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Pigment having insecticidal and fungicidal properties and making same. 1,766,412; June 24.
- Taylor, Edward A., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Flaker and producing relatively thick flakes of a congealed liquid. 1,775,177; Sept. 9.
- Taylor, Edward A., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Zinc-chloride-base flux. 1,785,155; Dec. 16.
- Taylor, Edward C., Yonkers, N. Y. Traffic signal. 1,758,205; May 13.
- Taylor, Elmer H., Long Beach, Calif. Spooling device. 1,763,871; June 17.
- Taylor, Elmer Z., and S. P. Ledgard, Newark, N. J. Closure for paper or other containers. 1,773,553; Aug. 19.
- Taylor, Eugene C., Patterson, La. Rotary advertising apparatus. 1,755,848; Apr. 22.
- Taylor, Eugene S. (See Young, Hugh E., assignor.)
- Taylor, Ewing H., Beaumont, Tex. Rotary teeter. 1,764,230; June 17.
- Taylor, Ewing H., Beaumont, Tex. Rotary teeter. 1,764,231; June 17.
- Taylor, Fernando E., assignor of one-third to J. P. Thille, Cawker City, Kans. End gate. 1,777,386; Oct. 7.
- Taylor, Francis M., Columbus, Ohio. Elevating conveyer. 1,757,819; May 6.
- Taylor, Frank F., Norwood, Ohio. Toy vehicle. 1,750,547; Mar. 11.
- Taylor, Frederick A. and H. A., Kirton, near Boston, England. Temperature-regulating apparatus. 1,751,370; Mar. 18.
- Taylor Freezer Corporation. (See Taylor, Charles, assignor.)
- Taylor, George C., Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gland. 1,779,055; Oct. 21.
- Taylor, George N. (See Marcroft, W., and Taylor.)
- Taylor, George W., Wellesley, assignor, by mesne assignments, to H. J. Clark, Watertown, Mass. Roller bearing. 1,756,264; Apr. 29.
- Taylor, Halsey W., Warren, Ohio. Cooling apparatus. 1,770,678; July 15.
- Taylor, Hamblen A., San Benito, Tex., assignor to J. O. Prentiss and L. S. Witte. Basket and cover therefor. 1,753,671; Apr. 8.
- Taylor, Harden F., Bronx, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Treatment of comestibles with smoke. 1,760,091; May 27.
- Taylor, Harden F., assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Smoke producer. 1,779,453; Oct. 28.
- Taylor, Harry, et al. (See Krause, Paul, assignor.)
- Taylor, Harry J., New York, N. Y. Tape holder and moistener. 1,749,650; Mar. 4.
- Taylor, Harvey B., Philadelphia, Pa. System of speed governing for prime movers. 1,783,157; Nov. 25.
- Taylor, Harvey B., Philadelphia, Pa. System of speed governing. 1,783,162; Nov. 25.
- Taylor, Harvey B., Philadelphia, Pa., assignor, by mesne assignments, to I. P. Morris Corporation. Hydraulic apparatus. 1,751,667; Mar. 25.
- Taylor, Headie S., Sunshine, Victoria, assignor to H. V. McKay Proprietary Limited, Sunshine, Australia. Reaper thrasher and like harvesting machine. 1,771,359; July 22.
- Taylor, Henry A. (See Taylor, Frederick A. and H. A.)
- Taylor, Henry E. P., Seymour, assignor, by mesne assignments, to Farrel Birmingham Company, Incorporated, Ansonia, Conn. Roll grinder. 1,742,736; Jan. 7.
- Taylor, Henry G., and R. W. Wengel, assignors to Geophysical Exploration Company, Beaumont, Tex. Oscillograph. 1,745,817; Feb. 4.
- Taylor, Henry P., Winston-Salem, N. C. Container for manufactured tobacco. 1,762,428; June 10.
- Taylor, Henry P., Winston-Salem, N. C. Container for packing tobacco. 1,762,429; June 10.
- Taylor, Henry W. (See Clough, F. H., and Taylor.)
- Taylor, Herbert B., assignor to General Railway Signal Company, Rochester, N. Y. Circuit controller. 1,785,705; Dec. 16.
- Taylor, Herbert B., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,785,706; Dec. 16.
- Taylor, Horace F., E. F. Scherubel, and G. W. Phelps, Chicago, Ill., assignors to Swift and Company. Bleaching fats and oils. 1,744,843; Jan. 28.
- Taylor, Howard D., New York, N. Y., assignor to Flexible Truck Corporation, Philadelphia, Pa. Car truck. 1,757,272; May 6.
- Taylor, Howard D., New York, N. Y., assignor to Flexible Truck Corporation, Philadelphia, Pa. Motor-car truck. 1,778,203; Oct. 14.
- Taylor, Hugh S., Princeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photochemical process. 1,746,168; Feb. 4.
- Taylor, Hugh S., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing apparatus. 1,784,978; Dec. 16.
- Taylor, Humphrey G., Penn., near Wolverhampton, England. Ship's davit. 1,776,959; Sept. 30.
- Taylor, Huston, Detroit, Mich. Combustion apparatus. 1,751,498; Mar. 25.
- Taylor, Huston, Pasadena, Calif. Oil heater. 1,751,533; Mar. 25.
- Taylor, Huston, Pittsburgh, Pa. Motor-efficiency indicator. 1,746,133; Feb. 4.
- Taylor, Huston, Pittsburgh, Pa. Boiler. 1,751,534; Mar. 25.
- Taylor Instrument Companies. (See Bolton, Harry D., assignor.)
- Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)
- Taylor Instrument Companies. (See Foote, Edward B., assignor.)
- Taylor Instrument Companies. (See Norwood, Harry Y., assignor.)
- Taylor Instrument Companies. (See Noyes, Bradford, jr., assignor.)
- Taylor Instrument Companies. (See Tate, Kenneth L., assignor.)
- Taylor Instrument Companies. (See Vanderpool, William J., assignor.)
- Taylor, Jack F. M., Dominguez, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Gravity-recording instrument. 1,770,559; July 15.
- Taylor, James A., Cincinnati, Ohio. Pencil sharpener. 1,777,903; Oct. 7.
- Taylor, James E., Cleveland, Ohio. Device for locking screen doors and the like. 1,785,882; Dec. 23.
- Taylor, James H., Oak Park, Ill. Ring-rolling machine. 1,745,514; Feb. 4.
- Taylor, James H., Oak Park, Ill. Facing machine. 1,768,272; June 24.
- Taylor, James H., Chicago, Ill. Making nozzles. 1,748,402; Feb. 25.
- Taylor, James H., Chicago, Ill. Universal ring-rolling machine. 1,781,140; Nov. 11.
- Taylor, James S., Wynona, Okla., assignor of three-eighths to L. J. Mildren, Ponca City, Okla., and two-eighths to C. E. Reed, Wichita, Kans. Pipe holder and elevator. 1,762,037; June 3.
- Taylor, James S., Wynona, assignor of one-half to L. J. Mildren, Ponca City, Okla. Becket. 1,767,325; June 24.
- Taylor, James W., San Antonio, Tex., assignor to Economy Pump and Oil Tool Company. Pumping apparatus. 1,777,536; Oct. 7.
- Taylor, John. (See Harris, C. W., and Taylor.)
- Taylor, John, Exeter, N. H. Billiard table. 1,755,675; Apr. 22.

- Taylor, John, Manchester, England. Automatic sprinkler and the like. 1,771,826; July 29.
- Taylor, John, Chicago, Ill. Battery-securing device. 1,772,847; Aug. 12.
- Taylor, John, Chicago, Ill. Battery carrier. 1,778,572; Oct. 14.
- Taylor, John C., Anaconda, Mont. Attachment for pencils. 1,767,948; June 24.
- Taylor, John L., West View, Pa. Barge. 1,764,585; June 17.
- Taylor, John M., Bridgeport, C. N. Jacobs, Norristown, and R. R. Titus, Villanova, Pa., assignors, by mesne assignments to Continental-Diamond Fibre Company, Newark, Del. Manufacturing gum-bonded laminated bodies. 1,787,404; Dec. 30.
- Taylor, John R., Portland, Me. Wind and rain deflector for motor-vehicle windows. 1,768,300; June 24.
- Taylor, John W., Cincinnati, Ohio. Ball valve. 1,767,021; June 24.
- Taylor, Joseph B., Allendale, N. J. Separating dust from moist gases. 1,770,020; July 8.
- Taylor, Laurens A., Schenectady, N. Y., assignor to General Electric Company. Antenna system. 1,752,864; Apr. 1.
- Taylor, Lawrence A., and A. Osbourne, San Francisco, Calif., assignors to Sharpless Specialty Company, Philadelphia, Pa. Process and apparatus for the recovery of fish products. 1,775,740; Sept. 16.
- Taylor, Lawrence H., Iola, Kans. Cover for cooking utensils. 1,782,079; Nov. 18.
- Taylor, Leroy B., Cleveland, Ohio. Reversible window. 1,767,022; June 24.
- Taylor, Lloyd G., Allentown, Pa. Wheel-aligning gauge. 1,749,268; Mar. 4.
- Taylor, Lloyd G., Ellicott City, Md. Toy weapon. 1,768,944; July 1.
- Taylor, Mae M., Hollywood, Calif. Arm rest. 1,760,450; May 27.
- Taylor, Marshall, Wilkinsburg, Pa. Mean-temperature indicator. 1,782,106; Nov. 18.
- Taylor, Maurice C. (See MacMullin, R. B., and Taylor.)
- Taylor, Maurice R., East Cleveland, assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding. 1,751,668; Mar. 25.
- Taylor, Minnie B., Los Angeles, Calif. Milk-bottle cap. 1,761,597; June 3.
- Taylor, Oattie B. (See Adams, H., and Taylor.)
- Taylor, Paul B., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Crank-case ventilator. 1,761,944; June 3.
- Taylor, Paul H., Chicago, Ill., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control system. 1,775,540; Sept. 9.
- Taylor, Raymond A., Frederick, Md. Retarding device for persons escaping from a submerged vessel. 1,751,896; Mar. 25.
- Taylor, Raymond A., assignor of one-half to A. S. Her-ring, Frederick, Md. Submarine wreck indicator and communicating device. 1,774,575; Sept. 2.
- Taylor, Raymond D., Winnetka, Ill., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener-setting machine. 1,749,856; Mar. 11.
- Taylor, Robert S. (See Lenning, A., and Taylor.)
- Taylor, Robert S., Brooklyn, assignor to Electrolux Servel Corporation, New York, N. Y. Combination filling and fusible plug fitting. 1,750,335; Mar. 11.
- Taylor, Roscoe A., Carbondale, Ill. Tent stake. 1,781,350; Nov. 11.
- Taylor, Roy F., Richmond, Ind. Furniture base. 1,752,818; Apr. 1.
- Taylor, Russell F., Scotts, Mich. Trap. 1,766,200; June 24.
- Taylor, Samuel C. (See Mosher, Claud J., assignor.)
- Taylor, Schuyler J., Portland, assignor to The Russell Manufacturing Company, Middletown, Conn. Fabric. 1,763,074; June 10.
- Taylor, Scott V. E., Anaconda, Mont. Hydraulic gear. 1,757,850; May 6.
- Taylor, Steadman O., St. Louis, Mo. Winding device for brake-operating mechanisms. 1,746,322; Feb. 11.
- Taylor, Steadman O., St. Louis, Mo., assignor to T & S Corporation, Chicago, Ill. Retaining device. 1,768,720; July 1.
- Taylor, Steadman O., St. Louis, Mo., assignor to T & S Corporation, Chicago, Ill. Fastening device. 1,768,721; July 1.
- Taylor, Thomas W., York, England. Domestic hot-water supply system. 1,746,323; Feb. 11.
- Taylor, Verne A., Oakland, assignor of one-third to Pacific Machinery Company, San Francisco, and two-thirds to J. Krohn, Oakland, Calif. Peach pitter. 1,772,020; Aug. 5.
- Taylor, William A., Detroit, Mich. Life-saving suit. 1,752,120; Mar. 25.
- Taylor, William A., Detroit, Mich. Scalp-treating brush. 1,763,832; June 17.
- Taylor, William B., Winter Park, Fla. Combination, rake, fork, and cultivator. 1,773,208; Aug. 19.
- Taylor, William C., assignor to Corning Glass Works, Corning, N. Y. Colored heat-resisting glass. 1,754,065; Apr. 8.
- Taylor, William C., assignor to Corning Glass Works, Corning, N. Y. Colored heat-resisting glass. 1,754,182; Apr. 8.
- Taylor, William C., assignor to Corning Glass Works, Corning, N. Y. Ultra-violet transmitting glass. 1,774,854; Sept. 2.
- Taylor, William E., East Orange, N. J., assignor to American Can Company, New York, N. Y. Can-body maker. 1,773,890; Aug. 26.
- Taylor, William H., Des Moines, Iowa. Screen mounting. 1,786,040; Dec. 23.
- Taylor, William H. and A. M., Baltimore, Md., assignors of twelve per cent to C. W. Taylor. Leather-treating composition. 1,763,833; June 17.
- Taylor, William J. (See Cowley, J. T., and Taylor.)
- Taylor, William J., Winthrop Harbor, Ill., assignor to The Lamson Company, Syracuse, N. Y. Automatic conveying system for merchandise. 1,763,073; June 10.
- Taylor, William L., Cincinnati, Ohio. Multiplex bag. 1,744,285; Jan. 21.
- Taylor, William L., Cincinnati, Ohio. Multiplex bag. 1,749,005; Mar. 4.
- Taylor, William L., Elba, N. Y. Onion harvester. 1,753,874; Apr. 8.
- Taylor-Wilson Manufacturing Co. (See Wilson, E. H., and Schuette, assignors.)
- Taylor-Winfield Corporation. (See Todd, Russell T., assignor.)
- Tcherniac, Joseph, Streatham Hill, London, England. Manufacture of ortho-anisidine and similar aminophenol ethers. 1,752,121; Mar. 25.
- Tchoubritsch, Michel, Sucy-En-Brie, France, assignor to Société Anonyme Française dite: Société Nouvelle de Constructions Téléphoniques Brevets Tchoubritsch-Derval, Paris, France. Electromagnetic relay for controlling electric circuits. 1,773,649; Aug. 19.
- Tchoubritsch, Michel, Sucy-en-Brie, France. Automatic telephone system. 1,781,609; Nov. 11.
- Teachout, Felix W., Huntingdon, Tenn. Display rack. 1,759,721; May 20.
- Teague, Merwyn C. (See Hopkinson, E., and Teague.)
- Teague, Merwyn C., Elmhurst, N. Y., assignor to American Rubber Company, East Cambridge, Mass. Forming tacky rubber compound and products. 1,746,875; Feb. 11.
- Teague, Merwyn C., Elmhurst, N. Y., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Method and apparatus for making inlaid sheet material. 1,782,107; Nov. 18.
- Teague, Merwyn C., Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating aqueous dispersions of rubber and products obtained thereby. 1,750,767; Mar. 18.
- Teague, Merwyn C., Jackson Heights, N. Y., assignor to American Rubber Company, Boston, Mass. Manufacture of floor coverings and products obtained thereby. 1,765,748; June 24.
- Teague, Merwyn C., Jackson Heights, N. Y., assignor to American Rubber Company, East Cambridge, Mass. Thickening and stabilizing latex and product. 1,772,647; Aug. 12.
- Teague, W. A., et al. (See Cushman, J. W., Everett, and Farrell, assignors.)
- Teague, Walter D., Forest Hills, N. Y. Jar or similar container. Des. 82,192; Sept. 30.
- Teague, Walter D., Forest Hill, N. Y., assignor to Turner Glass Corporation, Terre Haute, Ind. Bottle or similar container. Des. 80,708; Mar. 11.
- Teague, Walter D., Forest Hill, N. Y., assignor to Turner Glass Corporation, Terre Haute, Ind. Bottle or similar container. Des. 80,709; Mar. 11.
- Teague, Walter D., Forest Hills, N. Y., assignor to Turner Glass Corporation, Terre Haute, Ind. Jar or similar container. Des. 80,917; Apr. 8.
- Teague, Walter D., Forest Hills, N. Y., assignor to Turner Glass Corporation, Terre Haute, Ind. Jar or similar container. Des. 80,918; Apr. 8.
- Teague, Walter D., Forest Hill, N. Y., assignor to Turner Glass Corporation, Terra Haute, Ind. Jar or similar container. Des. 81,167; May 13.
- Teague, Walter D., Forest Hill, N. Y., assignor to Turner Glass Corporation, Terra Haute, Ind. Jar or similar container. Des. 81,602; July 15.
- Teague, Walter D., Forest Hills, N. Y., assignor to Turner Glass Corporation, Terre Haute, Ind. Bottle or similar container. Des. 81,897; Aug. 26.
- Teague, Walter D., Forest Hill, N. Y., assignor to Turner Glass Corporation, Terre Haute, Ind. Bottle or similar container. Des. 82,191; Sept. 30.
- Teague, Walter D., Forest Hills, N. Y., assignor to Turner Glass Corporation, Terre Haute, Ind. Bottle or similar container. Des. 82,593; Nov. 18.
- Teague, Walter D., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-shutter cover. Des. 82,631; Nov. 25.
- Teague, Walter D., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-shutter cover. Des. 82,632; Nov. 25.
- Teague, Walter D., Forest Hills, N. Y., assignor to Turner Glass Corporation, Terre Haute, Ind. Bottle or similar container. Des. 82,768; Dec. 9.
- Teague, Walter D., New York, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y. Camera casing or the like. Des. 82,918; Dec. 23.
- Teal, Charles A., jr., Jenkintown, Pa. Nail file or similar instrument and carrier therefor. 1,763,274; June 10.

- Teale, Wilbur, and H. F. McLauthlin, Seattle, assignors to Hydro-Oil Fire Corporation, Tacoma, Wash. Hydrooil burner. 1,780,571; Nov. 4.
- Teall, Clarence F., and P. G. Cowan, assignors to T. Buettner & Co. Inc., Chicago, Ill. Printing of fabrics. 1,742,831; Jan. 7.
- Tear, James D., Schenectady, N. Y., assignor to General Electric Company, Compass. 1,774,458; Aug. 26.
- Tear, James D., Schenectady, N. Y., assignor to General Electric Company, Compass. 1,774,459; Aug. 26.
- Teare, Albert R., Lakewood, assignor to J. C. Miles, Cleveland, Ohio. Heating and ventilating apparatus. 1,764,703; June 17.
- Teare, Albert R., Lakewood, assignor to J. C. Miles, Cleveland, Ohio. Heating and ventilating apparatus. 1,764,704; June 17.
- Tears, Claude F., West New Brighton, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Oil distillation. 1,769,972; July 8.
- Teater, Hiram, Cleveland, Ohio. Cooking retort. 1,753,183; May 13.
- Tebander, Swan N., Maywood, Ill. Punch-sharpening device. 1,751,113; Mar. 18.
- Tebbets, E. L., Spool Co. (See Roberts, Elias T., assignor.)
- Tebloff, Alexander N., Los Angeles, Calif. Sugar dispenser. Des. 80,976; Apr. 15.
- Tebo, William A., Anthony, R. I., assignor to Draper Corporation, Hopedale, Mass. Crack preventer for looms. 1,745,129; Jan. 28.
- Technical Glass Company, The. (See Netschert, Franz, assignor.)
- Technidyne Corporation. (See Flanzer, Joseph A., assignor.)
- Technidyne Corporation. (See Jones, L. L., and Flanzer, assignors.)
- Technidyne Corporation. (See Jones, L. L., and Yolles, assignors.)
- Technidyne Corporation. (See Jones, L. L., Schmidt, and Jones, assignors.)
- Techno-Chemical Laboratories, Limited. (See Söderlund, O., and Gram, assignors.)
- Teddy, Thomas W. (See Colley, G. F., and Teddy.)
- Tedrow, Moses E. (See Wirgman, W. F., jr., and Tedrow.)
- Tegarden, Homer R., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method and apparatus for making cable beads. 1,781,650; Nov. 11.
- Tees, Walter W. F., Brooklyn, N. Y. Combined advertising card and mailer for currency, etc. 1,766,006; June 24.
- Teesdale, Clyde H., assignor to Teesdale Manufacturing Company, Grand Rapids, Mich. Controlling means for electric switches. 1,760,382; May 27.
- Teesdale, John B., Grand Rapids, Mich. Rotary pump. 1,758,298; May 13.
- Teesdale, John B., East Grand Rapids, Mich. Combined check valve and union. 1,764,186; June 17.
- Teesdale Manufacturing Company. (See Teesdale, Clyde H., assignor.)
- Tee Stone Corporation. (See Winston, Joseph, assignor.)
- Teeter, Wilford H. (See Aseltine, F. E., and Teeter.)
- Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Engine-starting apparatus. 1,753,584; Apr. 8.
- Teetor, Charles N., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston and piston ring. 1,778,924; Oct. 21.
- Teetor, Macy O., assignor to The Perfect Circle Company, Hagerstown, Ind. Art of and mold for casting piston rings. 1,762,593; June 10.
- Teetor, Ralph R., Hagerstown, Ind. Piston and making same. 1,784,505; Dec. 9.
- Tefft, Clyde E., Muskegon, Mich. Heater. 1,743,638; Jan. 14.
- Tefft, Frederick A., Toledo, Ohio. Electrical fitting. 1,754,066; Apr. 8.
- Teger, I. (See Waltman, Chauncey E., assignor.)
- Tegmeyer, Charles H., St. Louis, Mo. Boat drive. 1,761,373; June 3.
- Teich, Ernest L., assignor to The American Hardware Corporation, New Britain, Conn. Push bar for doors. Des. 82,633; Nov. 25.
- Teich, Ernest L., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,784,208; Dec. 9.
- Teipel, Joseph, assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo. Connecting device for storage batteries. 1,762,203; June 10.
- Teissère, Albert and J., St.-Julien, Aube, France. Apparatus for engraving printing rollers. 1,785,883; Dec. 23.
- Teissère, Jean. (See Teissère, A. and J.)
- Teitscheid, Alfred F. (See Zornig, H. H., and Teitscheid.)
- Teitscheid, Alfred F., Wharton, N. J. Combination fuse. 1,755,279; Apr. 22.
- Teitscheid, Alfred F., Wharton, N. J. Fuse for projectiles. 1,762,674; June 10.
- Teitscheid, Alfred F., Wharton, N. J. Combination fuse for projectiles. 1,775,660; Sept. 16.
- Teitsworth, Clark S., Los Angeles, Calif., assignor to General Petroleum Corporation of California. Reconditioning sand filters. 1,769,475; July 1.
- Teitsworth, Clark S., Los Angeles, Calif., assignor to General Petroleum Corporation of California. Continuous acid-washed sand filter. 1,769,476; July 1.
- Telander, William, Milaca, Minn. Bag-holding apparatus. 1,758,868; May 13.
- Telautograph Corporation. (See Van Nostrand, Arleigh N., assignor.)
- Telefonaktiebolaget L. M. Ericsson. (See Hultman, Carl A. W., assignor.)
- Telefonaktiebolaget L. M. Ericsson. (See Trechcinski, Roman, assignor.)
- Telefonaktiebolaget L. M. Ericsson. (See Vos, Mauritz, assignor.)
- Telefonaktiebolaget L. M. Ericsson. (See Wincrantz, K. F., and Johnsson, assignors.)
- Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Meissner, Alexander, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schriever, Otto, assignor.)
- Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
- Teleki, Benjamin, assignor of one-half to L. L. O'Bryan, Chicago, Ill. Composite structure. 1,781,203; Nov. 11.
- Telephon-Apparat-Fabrik E. Zwietusch & Co. G. m. b. H. (See Appellius, Fritz, assignor.)
- Telephon-Apparat Fabrik E. Zweitusch and Company. (See Neumann, Paul, assignor.)
- Teleregister Corporation, The. (See Favarger, François, assignor.)
- Teleswitch Corporation. (See Gibbs, Leon M., assignor.)
- Teletype Corporation. (See Harding, William E., assignor.)
- Teletype Corporation. (See Kleinschmidt, Edward E., assignor.)
- Teletype Corporation. (See Krum, Howard L., assignor.)
- Teletype Corporation. (See Krum, H. L., and Carr, assignors.)
- Teletype Corporation. (See Morton, S., and Krum, assignors.)
- Television Laboratories, Inc. (See Farnsworth, Philo T., assignor.)
- Television Limited. (See Baird, John L., assignor.)
- Telkor, Inc. (See Roe, William C., assignor.)
- Tell, William J., Detroit, Mich. Golf counter. 1,771,593; July 29.
- Tellefsen, Theodore J., assignor to The J. H. Day Company, Cincinnati, Ohio. Elevating pulverulent materials. 1,785,604; Dec. 16.
- Teller Corporation. (See Teller, Jacob, assignor.)
- Teller, Jacob, Chicago, Ill. Radiant gas heater. Des. 80,337; Jan. 14.
- Teller, Jacob, Chicago, Ill. Radiant gas heater. Des. 80,338; Jan. 14.
- Teller, Jacob, Chicago, Ill. Cabinet gas range. Des. 82,007; Sept. 9.
- Teller, Jacob, assignor to Teller Corporation, Chicago, Ill. Coal range. Des. 82,769; Dec. 9.
- Teller Corporation. (See Teller, J., and Schulz, assignors.)
- Teller, Jacob, Chicago, and A. P. Schulz, Berwyn, Ill., assignors to Teller Corporation, Chattanooga, Tenn. Cabinet gas or electric range. Des. 82,919; Dec. 23.
- Tellier, Jeremie, New Bedford, Mass. Paper punch. 1,759,672; May 20.
- Tellis, Vsevolod G., assignor to O. F. Jordan Company, East Chicago, Ind. Wing construction for railroad spreaders. 1,742,326; Jan. 7.
- Tellis, Vsevolod G., assignor to O. F. Jordan Company, East Chicago, Ind. Wing-lifting brace for railroad spreaders. 1,742,327; Jan. 7.
- Tellis, Vsevolod G., assignor to O. F. Jordan Company, East Chicago, Ind. Wing-shaft-operating mechanism for railroad spreaders. 1,742,328; Jan. 7.
- Tellis, Vsevolod G., assignor to O. F. Jordan Company, East Chicago, Ind. Rail cleaner and guard for railroad spreaders. 1,754,778; Apr. 15.
- Tellis, Vsevolod G., assignor to O. F. Jordan Company, East Chicago, Ind. Hinge plate for railroad spreader wings. 1,763,680; June 17.
- Tellis, Vsevolod G., assignor to O. F. Jordan Company, East Chicago, Ind. Wing post and carriage structure for railroad spreaders. 1,765,854; June 24.
- Tellis, Vsevolod G., assignor to O. F. Jordan Company, East Chicago, Ind. Wing brace arrangement for railroad spreaders. 1,765,855; June 24.
- Tellis, Vsevolod G., assignor to O. F. Jordan Company, East Chicago, Ind. Front-plow construction for railroad spreaders. 1,777,588; Oct. 7.
- Tellis, Vsevolod G., assignor to O. F. Jordan Company, East Chicago, Ind. Railroad spreader. 1,777,589; Oct. 7.
- Teltz, Ernst, Chicago, Ill. Automobile signal. 1,753,221; Apr. 8.
- Temens, Estahy, Elizabeth, N. J. Aeroplane boat. 1,756,442; Apr. 29.
- Temmen, Frank X., Covington, Ky., assignor to The Rapid Electrotype Company, Cincinnati, Ohio. Apparatus for backing electrotypes. 1,779,253; Oct. 21.
- Temple, Clyde V., McCamey, Tex. Dynamometer. 1,755,849; Apr. 22.
- Temple, Edward F., Bedford, Mass. Razor. 1,774,617; Sept. 2.
- Temple, Floyd L., Terre Haute, Ind. Burial vault. 1,785,156; Dec. 16.
- Temple, James, Portland, Oreg. Cutting-torch holder. 1,759,288; May 20.
- Temple, John E. (See Burney, C. D., Wallis, and Temple.)

- Templeman, John P., Chicago, Ill. Hand brake for railway cars. 1,774,735; Sept. 2.
- Templeton, Clifford M., Detroit, Mich. Adjustable seat support. 1,759,922; May 27.
- Templeton, Edwin G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Collapsible chuck. 1,743,066; Jan. 7.
- Templeton, Edwin G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Trimming device for tire-building machines. 1,763,568; June 10.
- Templeton, Edwin G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Collapsing mechanism for tire cores. 1,775,626; Sept. 9.
- Templeton, Walter B., Chicago, Ill. Lifting jack. 1,757,982; May 13.
- Tenbrook, John, Glenwood Springs, Colo. Vehicle-operated garage door. 1,760,023; May 27.
- Tenbrook, John, Glenwood Springs, Colo. Gate and door opening device. 1,769,195; July 1.
- Tench, Frank, London, England, assignor, by mesne assignments, to Associated Telephone & Telegraph Company, Kansas City, Mo. Telephone system. 1,743,407; Jan. 14.
- Ten Eyck, Christine Z., administratrix. (See Ten Eyck, William B.)
- Ten Eyck, William B., deceased; C. Z. Ten Eyck, administratrix, Montclair, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Conductor. 1,756,314; Apr. 29.
- Ten Eyck, William B., deceased, by C. Z. Ten Eyck, administratrix, Montclair, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Conductor. 1,780,953; Nov. 11.
- Tengstedt, Karl H., Chicago, Ill. Element for masonry construction. 1,759,070; May 20.
- Tennant, Abram A., and E. Sankey, Willett, S. Dak. Tent. 1,775,145; Sept. 9.
- Tennant, John W., Middlesex, England, assignor to Radio Corporation of America. Connection block. 1,752,469; Apr. 1.
- Tennes, Henry. (See Hasterok, G. J., and Tennes.)
- Tennessee Products Corporation. (See Walton, John W., assignor.)
- Tenney, Edgar L. (See St. Clair, O. A., and Tenney.)
- Tenney, Frederick H., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Safety clutch for tire conveyers. 1,753,178; Apr. 1.
- Tenney, Perry L. (See Bock, C. J., and Tenney.)
- Tenney, Perry L., Muncie, Ind. Wheel assembly. 1,780,370; Nov. 4.
- Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Four-speed transmission. 1,756,917; Apr. 29.
- Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Rubber coupler. 1,780,727; Nov. 4.
- Tenney, Perry L., and H. E. Fidler, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Transmission control. 1,783,931; Dec. 2.
- Tennyson, W. Y. (See Peaden, William H., assignor.)
- Teplow, Solomon, Los Angeles, Calif. Telephone booth. 1,780,251; Nov. 4.
- Teppema, Jan. (See Sebrell, L. B., and Teppema.)
- Teppema, Jan., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Preserving rubber. 1,746,371; Feb. 11.
- Teppema, Jan., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerator of vulcanization. 1,757,930; May 6.
- Teppema, Jan., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Preserving rubber. 1,781,306; Nov. 11.
- Ter Beest, Benjamin H., Madison, Wis. Valve for water softeners. 1,751,061; Mar. 18.
- Terborg, John, Demotte, Ind. Coffee dispenser. 1,751,535; Mar. 25.
- Terhorst, Harvey, Donnybrook, N. Dak. Windmill. 1,746,620; Feb. 11.
- Ter Horst, William P. (See Scott, W., and ter Horst.)
- Ter Horst, William P., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Rubber vulcanization process. 1,756,315; Apr. 29.
- Terhune, Edwin W., assignor to Lord & Burnham Company, Irvington on the Hudson, N. Y. Sash-operating mechanism. 1,769,723; July 1.
- Terman, Frederick E., Stanford University, Calif. Electrical measuring instrument. 1,782,588; Nov. 25.
- Terman, Frederick E., Stanford University, Calif., assignor to Wired Radio, Inc., New York, N. Y. Oscillograph. 1,784,119; Dec. 9.
- Terminal Engineering Company. (See Brinton, Willard C., assignor.)
- Terna, Géza L. (See Dirkes, V. M., and Terna.)
- Ternau, John W., New London, Conn. Fuel-burner attachment for furnaces or boilers. 1,746,061; Feb. 4.
- Ternon, Tranquille and Eugène Gallien, Fecamp, France. Signaling apparatus at crossings. 1,775,875; Sept. 16.
- Ternstedt Manufacturing Company. (See Archer, Thomas P., assignor.)
- Ternstedt Manufacturing Company. (See Edgar, F. M., and Flynn, assignors.)
- Ternstedt Manufacturing Company. (See Field, H. C., and Simpson, assignors.)
- Ternstedt Manufacturing Company. (See Flynn, John B., assignor.)
- Ternstedt Manufacturing Company. (See Hollindale, Wilfred H., assignor.)
- Ternstedt Manufacturing Company. (See Lemm, Bonnie E., assignor.)
- Ternstedt Manufacturing Company. (See McCullough, J. F. K., and Gilchrist, assignors.)
- Ternstedt Manufacturing Company. (See Schnell, William, assignor.)
- Ternstedt Manufacturing Company. (See Schnell, W., and Hollindale, assignors.)
- Ternstedt Manufacturing Company. (See Schnell, W., and Lemm, assignors.)
- Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)
- Terpening, Elmer A., Van Wert, Ohio. Variable electric-circuit-control device. 1,744,592; Jan. 21.
- Terre Haute Boiler Works Company. (See Cliff, William H., assignor.)
- Terrell, Harold C., and F. A. Kerkhoff, assignors to The Ohio Parts Company, Cincinnati, Ohio. Battery-charging connector. 1,786,369; Dec. 23.
- Terrell Machine Company, The. (See Menard, James E., assignor.)
- Terriberry, Warren S., San Leandro, Calif., assignor to American Telephone and Telegraph Company. Telegraph apparatus. 1,759,026; May 20.
- Terry, Arthur, jr. (See Dorr, J. V. N., Darby, Terry, and Spicer.)
- Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Regulating apparatus. 1,753,728; Apr. 8.
- Terry, E. W., et al. (See White, James F., assignor.)
- Terry, Earl W., et al. (See White, James F., assignor.)
- Terry, Edgar W., Durham, N. C. Fare-collecting and change-making machine. 1,746,324; Feb. 11.
- Terry, Edward F., jr., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Air cleaner. 1,774,301; Aug. 26.
- Terry, Edward F., jr., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Automatic valve for fluid-operated tools. 1,774,302; Aug. 26.
- Terry, Edward F., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Lubricator. 1,776,870; Sept. 30.
- Terry, Matson C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Refrigerator cooling unit. Des. 82,770; Dec. 9.
- Terry, Matson C., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor starting switch. 1,750,336; Mar. 11.
- Terry, Matson C., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control device. 1,757,602; May 6.
- Terry, Matson C., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator. 1,786,370; Dec. 23.
- Terry, Matson C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Refrigerator equalizer valve. 1,786,791; Dec. 30.
- Terry, Owen A., Detroit, Mich. Fountain-pen-refill indicator. 1,783,681; Dec. 2.
- Terry, Roy V., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording. 1,768,273; June 24.
- Terry Steam Turbine Company, The. (See Muller, Richard O., assignor.)
- Ter Vehn, Alberto, Buenos Aires, Argentina. Limit switch. 1,774,857; Sept. 2.
- Tervoren, Honore A. P. M., representative. (See Sauer, Johan N. A.)
- Terwilliger, Charles W., Brooklyn, N. Y. Centrifugal drier. 1,764,909; June 17.
- Terwilliger, Charles W., Brooklyn, N. Y. Positive safety lock for centrifugal extractors. 1,770,956; July 22.
- Terzian, Harutyun G., assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Carburetor for carbureted-water-gas apparatus. 1,767,564; June 24.
- Terziev, George N. (See Sundstrom, C., and Terziev.)
- Tessé, Félix, La Courneuve, France. Pneumatic suspension wheel. 1,761,997; June 3.
- Tessier, Joseph. (See Adam, Joseph F., assignor.)
- Tessky, Karl, Esslingen-on-the-Neckar, Germany. Shaft coupling. 1,782,324; Nov. 18.
- Tessky, Karl, Esslingen-on-the-Neckar, Germany. Safety device for cam-controlled mechanisms. 1,786,875; Dec. 30.
- Tessky, Karl, Esslingen-on-the-Neckar, Germany. Feeding device for machine tools. 1,786,876; Dec. 30.
- Tessmer, Frederick P., Detroit, Mich. Woodworking unit. 1,778,967; Oct. 21.
- Test, Skiles E., Indianapolis, Ind. Process of and apparatus for warming and cleaning pools. 1,762,366; June 10.
- Test, Skiles E., Indianapolis, Ind., assignor to Motor Inn Ramp Corporation. Multiple-floor garage. 1,771,069; July 22.
- Test, William H., Redondo Beach, Calif. Composition of matter. 1,760,922; June 3.
- Testite Company, The. (See Cromwell, John C., assignor.)
- Tetelman, Louis L. (See Beards, J., and Tetelman.)
- Teter, Lloyd E., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Treatment of zinciferous materials containing lead and/or cadmium. 1,779,862; Oct. 28.

- Teter, William E., Wood River, Ill. Bubble tower. 1,748,855; Feb. 25.
- Tetley, Joshua & Son, Limited. (See Cooper, George, assignor.)
- Tetreault, Adelord J. (See Plourde, J. A., and Tetreault.)
- Tetreault, Joseph P., Providence, R. I. Reinforced denture. 1,781,738; Nov. 18.
- Tetro, Robert G., Grand Rapids, Mich. Drink-collecting device. 1,767,820; June 24.
- Teufel, firm Wilhelm Julius. (See Klein, Emil, assignor.)
- Teutsch, Eugene, Denver, Colo. Woodworking machine. 1,784,644; Dec. 9.
- Tevander, Olof N., assignor to Standard Cap & Steel Corporation, Chicago, Ill. Machine and method for applying closures. 1,782,553; Nov. 25.
- Tevander, Swan N., Maywood, Ill. Sharpening punches or the like. 1,766,964; June 24.
- Teyonian, Hagop P., Brooklyn, N. Y. Concealed hinge. 1,754,341; Apr. 15.
- Tewelow, Bernard, Wilmington, Del., and S. Tewelow, Philadelphia, Pa. Safety razor. 1,754,807; Apr. 15.
- Tewelow, Solomon. (See Tewelow, Bernard and S.)
- Tewes, Anthony, assignor to Papendick, Inc., St. Louis, Mo. Bread-slicing machine. 1,784,397; Dec. 9.
- Texas, Company, The. (See Brown, Guinther H., assignor.)
- Texas Company, The. (See Dearborn, Richard J., assignor.)
- Texas Company, The. (See de Florez, Luis, assignor.)
- Texas Company, The. (See Dengler, Felton S., assignor.)
- Texas Company, The. (See Good, R. W., and Ceres, assignors.)
- Texas Company, The. (See Goodwin, John M., assignor.)
- Texas Company, The. (See Greig, Arthur R., assignor.)
- Texas Company, The. (See Hadaway, William S., jr., assignor.)
- Texas Company, The. (See Hall, Frank W., assignor.)
- Texas Company, The. (See Holmes, R. C., and Manley, assignors.)
- Texas Company, The. (See MacCoul, Neil, jr., assignor.)
- Texas Company, The. (See Steen, Arthur B., assignor.)
- Texas Company, The. (See Tears, Claude F., assignor.)
- Texas Company, The. (See Titus, Leon D., assignor.)
- Texas Company, The. (See Watson, Claude W., assignor.)
- Texas Company, The. (See White, George D., assignor.)
- Texas Gulf Sulfur Company. (See Stewart, Robert H., assignor.)
- Textile-Finishing Machinery Company. (See Rusden, Ethelbert A., assignor.)
- Textile Finishing Machinery Company, The. (See Stelling, William A., assignor.)
- Textile-Finishing Machinery Company, The. (See Taveira, Antonio A. M., assignor.)
- Textile Machine Works. (See Bitzer, Gottlob, assignor.)
- Textile Machine Works. (See Krissiep, Max, assignor.)
- Textile Machine Works. (See Meyer, Christian F., assignor.)
- Textile Machine Works. (See Meyer, C. F., and Bitzer, assignors.)
- Textile Machine Works. (See Schletter, Richard E., assignor.)
- Textile Machine Works. (See Ullrich, Rudolf, assignor.)
- Textile Machine Works. (See Zwicky, Melchior, assignor.)
- Tezaravics, George, Spring Hill Mines, Nova Scotia, Canada. Automatic track switch. 1,770,868; July 15.
- Thacher, John J., Wethersfield, assignor to The Fuller Brush Company, Hartford, Conn. Brush structure. 1,749,744; Mar. 4.
- Thackeray, Samuel J. (See Henry, G. W., jr., and Thackeray.)
- Thaden, Herbert V., assignor to Aircraft Development Corporation, Detroit, Mich. Mooring of airships. 1,748,500; Feb. 25.
- Thaler, William L. (See Kacena, Albert J., assignor.)
- Thaler, Wilhelm, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Incorporated, New York, N. Y. Wood grinder. 1,786,679; Dec. 30.
- Tharp, Victor S., Elmhurst, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,747,402; Feb. 18.
- Tharp, Victor S., Elmhurst, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,752,470; Apr. 1.
- Tharp, Victor S., Elmhurst, assignor to Reserve Holding Company, Chicago, Ill. Telephone system. 1,757,101; May 6.
- Tharp, Victor S., Elmhurst, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,761,160; June 3.
- Tharp, Victor S., Elmhurst, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Connector switch. 1,767,719; June 24.
- Tharp, Victor S., Elmhurst, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Toll switching system. 1,775,146; Sept. 9.
- Tharp, Victor S., Elmhurst, and J. Wicks, Oak Park, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Automatic toll-service trunking system. 1,777,420; Oct. 7.
- Tharp, Victor S., Elmhurst, and J. Wicks, Oak Park, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Automatic toll-service trunking system. 1,786,041; Dec. 23.
- Thatch, William P., Madison, Nebr. Stock gate. 1,751,669; Mar. 25.
- Thatcher, Charles J., New York, N. Y. Window cleaner. 1,758,723; May 13.
- Thatcher, Charles J., New York, N. Y. Purifying anthracene. 1,782,488; Nov. 25.
- Thatcher, Harry W., assignor to Draper Corporation, Hopedale, Mass. Harness-frame-leveling mechanism. 1,759,673; May 20.
- Thatcher, J. H. (See Miller, Jesse P., assignor.)
- Thau, Samuel. (See Gilowitz, Benjamin, assignor.)
- Thauss, Alfred. (See Doser, A., Mauthe, and Thauss.)
- Thauss, Alfred. (See Kahn, M., and Thauss.)
- Thauss, Alfred. (See Mauthe, G., and Thauss.)
- Thauss, Alfred, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Sulphurized compounds of phenols. 1,757,400; May 6.
- Thauss, Alfred, Cologne-Deutz, A. Doser, Cologne-Mulheim, and G. Mauthe, Cologne-Holweide, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Condensation products obtainable from unsaturated higher fatty acids and phenols. 1,779,345; Oct. 21.
- Thauss, Alfred, Cologne-Deutz, and G. Mauthe, Cologne-Holweide, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-soluble product derived from the fatty acids occurring in wool fat and preparing the same. 1,780,252; Nov. 4.
- Thaxton, George F., Savannah, Ga. Locked laundry bag. 1,753,254; Apr. 8.
- Thayer, Henry E., Pleasantville, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Hot-water bottle or article of similar nature. Des. 81,421; June 17.
- Thayer, Henry W., Chatham, N. J. Sound-amplifying device. 1,753,672; Apr. 8.
- Thayer, Reuel H., New York, N. Y., assignor to Thayer Telkee Corporation, San Francisco, Calif. Key tag. 1,749,399; Mar. 4.
- Thayer, Reuel H., New York, N. Y., assignor to Thayer Telkee Corporation, San Francisco, Calif. Pocket key carrier. 1,766,563; June 24.
- Thayer, Reuel H., Los Angeles, assignor to Thayer Telkee Corporation, San Francisco, Calif. Identification key tag. 1,749,400; Mar. 4.
- Thayer, Reuel H., Los Angeles, assignor to Thayer Telkee Corporation, San Francisco, Calif. Key-filing cabinet. 1,770,327; July 8.
- Thayer Telkee Corporation. (See Thayer, Reuel H., assignor.)
- Thayer, William B., Columbus, Ga. Puzzle. Des. 80,457; Feb. 4.
- Thege, Edwin O. P., assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Slide valve for the scavenging air pump and for the starting air in internal-combustion engines. 1,772,970; Aug. 12.
- Theile, George I., assignor to The Hooven, Owens, Rent-schler Company, Hamilton, Ohio. Conveyer. 1,744,286; Jan. 21.
- Theis, Edwin R. (See Ullmann, H. M., and Theis.)
- Thekan, Charles A., Milwaukee, Wis. Combination gas cock and automatic lighter. 1,762,038; June 3.
- Thelma Carburator Company Societe Anonyme. (See Loutz, Georges, assignor.)
- Thelma Carburator Company, Societe Anonyme. (See Melkman, Saul E., assignor.)
- Theobald, Jean G., assignor to International Silver Company, Meriden, Conn. Lighter. Des. 80,339; Jan. 14.
- Theobald, John L., Dayton, Ohio, assignor to Toledo Scale Company, Toledo, Ohio. Testing device. 1,782,127; Nov. 18.
- Theobald, William G., Archbold, Ohio. Ironing board. 1,746,621; Feb. 11.
- Theobalt, Adolph. (See Gill, F. A., and Theobalt.)
- Theodoropulos, Aristede A., New York, N. Y. Safety razor. 1,756,224; Apr. 29.
- Theodoropulos, Aristede A., New York, N. Y. Stocking-protecting footwear. 1,756,525; Apr. 29.
- Thermal Engineering Corporation. (See Mayo, John, assignor.)
- Thermo Electric Research Corporation. (See Robinson, William H., assignor.)
- Thermo-Ice Corporation. (See Wolcott, Neil B., assignor.)
- Thermokept Corporation. (See Murch, John H., assignor.)
- Therm-O-Mat Dispenser, Inc. (See Skonberg, Eric K., assignor.)
- Therrien, Adelard J., Lynnfield, Mass. Machine designed for the manufacture of flashings. 1,754,915; Apr. 15.
- Therrien, Arthur J., Northbrook, assignor to National Brick Company, Chicago, Ill. Making bricks. 1,757,786; May 6.
- Therrien, Arthur J., Northbrook, assignor to National Brick Company, Chicago, Ill. Forming brickkilns. 1,773,827; Aug. 26.
- Thews, Karl B., Drexel Hill, and J. S. Carlitz, Philadelphia, Pa.; said Carlitz assignor to said Thews. Treatment of iron or steel. 1,759,634; May 20.
- Thews, Karl B., Drexel Hill, and J. S. Carlitz, Philadelphia, Pa.; said Carlitz assignor to said Thews. Treatment of iron or steel. 1,759,635; May 20.
- Thew Shovel Company, The. (See Stringer, Thomas F., assignor.)

- Thew Shovel Company, The. (See Wilson, Emery J., assignor.)
- Thexton, Joseph, jr., and H. Tomlinson, assignors of one-fourth to J. E. Freeling and one-fourth to F. Reily, Fall River, Mass. Loom. 1,752,621; Apr. 1.
- Thexton, Joseph, jr., and H. Tomlinson, assignors of one-fourth to J. E. Freeling and one-fourth to F. Reily, Fall River, Mass. Loom. 1,753,457; Apr. 8.
- Thexton, Joseph, jr., and H. Tomlinson, assignors of one-fourth to J. E. Freeling and one-fourth to F. Reily, Fall River, Mass. Loom. 1,753,840; Apr. 8.
- Thibault, Onésime, and R. Reid, San Diego, Calif. Dry-cleaning machine. 1,760,218; May 27.
- Thibert, Napoleon B., Worcester, Mass. Feed tank. 1,783,891; Dec. 2.
- Thibodeaux, Louis K. (See Broussard, A. H., and Thibodeaux.)
- Thiecke, Julius, assignor to Minimax A.-G. and Deutsche Pyrotechnische Fabriken A.-G., Berlin, Germany. Combustible mixture and preparing the same. 1,766,269; June 24.
- Thiecke, Julius, Berlin-Pankow, assignor of two-thirds to the firm Minimax A.-G. Berlin, and Herm. Herzog, Jamlitz, Germany. Liquid-expelling apparatus. 1,774,952; Sept. 2.
- Thiele, Otto V., Ridgewood, N. J., assignor to Superheater Company, New York, N. Y. Superheater header. 1,764,860; June 17.
- Thiele, Wilhelm O., Indianapolis, Ind. Automatic warm-air humidifier. 1,778,573; Oct. 14.
- Thieler, Julius E., New York, N. Y. Indicator. 1,752,122; Mar. 25.
- Thielers, Martin, Stockholm, Sweden. Lead alloy, particularly for cable sheathings. 1,779,784; Oct. 28.
- Thielmann, Sebastian, Berlin, assignor to Nomanu Elektrische Apparate G. m. b. H., Berlin-Halensee, Germany. Scraping off wooden surfaces. 1,786,096; Dec. 23.
- Thiem, Edward A., Minneapolis, Minn. Antifrost device. 1,783,861; Dec. 2.
- Thieme, Otto, Hartford, Conn., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,747,686; Feb. 18.
- Thierbach, Dietwald, Charlottenburg, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Measurement of echo effects in transmission systems. 1,743,408; Jan. 14.
- Thiery, Fritz, Berlin-Siemensstadt, and H. Goetsch, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Cartridge fuse. 1,757,753; May 6.
- Thies, Frank. (See Thies, John and F.)
- Thies, John and F., Hutchinson, Kans. Lug cleaner for tractor wheels and the like. 1,772,169; Aug. 5.
- Thies, John and F., Hutchinson, Kans. Wheel-lug cleaner. 1,782,637; Nov. 25.
- Thiess, Karl. (See Herz, R., Farr, Thiess, and Müller.)
- Thiess, Karl. (See Wilke, K., Thiess, and Braunsdorf.) Oct. 28.
- Thiess, Karl, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 1,784,398; Dec. 9.
- Thiess, Karl, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and material dyed therewith. 1,785,846; Dec. 23.
- Thiess, Karl, and B. Deicke, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphonated water-soluble dyestuffs of the diamino-phenyl series and preparing the same. 1,780,048; Dec. 23.
- Thiess, Karl, and E. Fischer, Frankfort-on-the-Main, Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff of the benzothionaphthene series. 1,783,592; Dec. 2.
- Thiess, Karl, W. Gmelin, and K. Zahn, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Alkaline condensation products of bz-1-ethers of benzanthrone. 1,766,413; June 24.
- Thiess, Karl, T. Meissner, and C. J. Müller, Hoechst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Indigoid vat dyestuffs. 1,760,797; May 27.
- Thiess, Karl, E. Runne, K. Moldaenke and T. Meissner, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Substituted isatins and preparing them. 1,778,174; Oct. 14.
- Thill, John, Rose Creek, Minn. Snowplow for tractors and motor vehicles. 1,743,291; Jan. 14.
- Thille, John P. (See Taylor, Fernando E., assignor.)
- Thilo, Erich, assignor to A. Heiche, Berlin, Germany. Producing bicalcium phosphate from sulphurous solutions. 1,786,097; Dec. 23.
- Thimblethorpe, Wilfred S., London, England. Device for indicating the level and temperature of liquid in radiators of motor vehicles. 1,776,170; Sept. 16.
- Thimme, Lorenz. (See Avakoff, H. B., and Thimme.)
- Third Dimension Pictures, Inc. (See Burkhardt, Jakob, assignor.)
- Thiriet, André, and P. Delcroix, Voiron, assignors, by mesne assignments, to Procédés Navarre, Lyon, France. Preparation of rosin solutions. 1,759,526; May 20.
- Thiry, Leon, Brussels, Belgium. Oscillating joint. 1,782,770; Nov. 25.
- Thisher, Edward E., Harrodsburg, Ky. Rotary single sleeve-valve motor. 1,753,356; Apr. 8.
- Thoen, Lowell H., Stockton, assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Elevator box. 1,744,933; Jan. 28.
- Thole, Edward J. (See Hughes, C. A., and Thole.)
- Thole, Ferdinand B., and S. T. Card, Sunbury-on-Thames, assignors to Anglo-Persian Oil Company, Limited, London, England. Purification of liquid hydrocarbons. 1,776,340; Sept. 23.
- Thom, Gustav A., West Allis, Wis. Headlight. 1,785,332; Dec. 16.
- Thom, James C. (See Peterson, J., and Thom.)
- Thoma, Erwin. (See Hoffa, E., and Thoma.)
- Thoma, Erwin. (See Wagner, H., Hoffa, Runne, Thoma, and Heyna.)
- Thoma, Hans, Munich, Germany. Frictionless sliding valve for self-acting regulators or governors. 1,763,994; June 17.
- Thoma, Meinard F., Fitchburg, Mass. Forming spinnable slivers from artificial filaments and apparatus therefor. 1,768,221; June 24.
- Thoma, Meinard F., Fitchburg, Mass. Opening and preparing artificial staple fiber for spinning. 1,785,823; Dec. 23.
- Thomae, George E. (See Pierson, C. W., Fitzgerald, and Thomae.)
- Thomann, Frederick A. (See Neighbour, L. B., and Thomann.)
- Thomas, Adolph A. (See Livingston, Stanley D., assignor.)
- Thomas, Adolph A. (See Thomas, Helen R. and A. A.)
- Thomas, Adolph A., New York, N. Y. Electromagnetic translating device. Re17,617; Mar. 4.
- Thomas, Adolph A., New York, N. Y. Electric sound-reproducing apparatus. 1,742,832; Jan. 7.
- Thomas, Adolph A., New York, N. Y. Phonograph reproducer. 1,745,776; Feb. 4.
- Thomas, Adolph A., New York, N. Y. Loud-speaking telephone receiver. 1,753,812; Apr. 8.
- Thomas, Adolph A., New York, N. Y. Electric sound transmitter. 1,759,967; May 27.
- Thomas, Adolph A., New York, N. Y. Electric phonograph reproducer. 1,760,092; May 27.
- Thomas, Adolph A., New York, N. Y. Indicating device. 1,760,291; May 27.
- Thomas, Adolph A., New York, N. Y. Apparatus for transmitting and amplifying electric impulses. 1,760,383; May 27.
- Thomas, Adolph A., New York, N. Y. Electric phonograph. 1,765,707; June 24.
- Thomas, Adolph A., New York, N. Y. Electric phonograph. 1,766,206; June 24.
- Thomas, Adolph A., New York, N. Y. Thermostat. 1,766,965; June 24.
- Thomas, Adolph A., New York, N. Y. Loud-speaker. 1,767,777; June 24.
- Thomas, Adolph A., New York, N. Y. Electric transmitter. 1,768,168; June 24.
- Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Sound-amplifying apparatus. 1,758,986; May 20.
- Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Combined phonograph and radio receiving cabinet. 1,759,143; May 20.
- Thomas, Adolph A., New York, N. Y. Piezo-electric translating device. 1,769,360; July 1.
- Thomas, Adolph A., New York, N. Y. Electromagnetic control system. 1,774,619; Sept. 2.
- Thomas, Adolph A., New York, N. Y. Electric phonograph. 1,776,987; Sept. 30.
- Thomas, Adolph A., New York, N. Y. Electromagnetic transmitter and receiver. 1,778,048; Oct. 14.
- Thomas, Adolph A., New York, N. Y. Electromagnetic transmitter. 1,780,409; Nov. 4.
- Thomas, Albin A., York, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Chain fastener. 1,761,646; June 3.
- Thomas, Albin A., York, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Chain fastener. 1,761,647; June 3.
- Thomas, Albin A., York, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Chain fastener. 1,761,648; June 3.
- Thomas, Allen B., assignor to F. E. Reed Glass Company, Rochester, N. Y. Bottle. Des. 81,422; June 17.
- Thomas, Almer B., Hardwick, Vt. Holder for safety-razor blades. 1,774,680; Sept. 2.
- Thomas, Arthur. (See Power, R. F., and Thomas.)
- Thomas, Arthur C., assignor to Little Red Wagon Mfg. Co., Omaha, Nebr. Grading machine. 1,754,376; Apr. 15.
- Thomas, Arthur, Thornton Heath, assignor to The Accounting & Tabulating Corporation of Gt. Britain, Limited, London, England. Calculating device. 1,779,504; Oct. 28.
- Thomas, Arthur, Thornton Heath, and F. E. Hallahan, Southend-on-Sea, assignors to The Accounting & Tabulating Corporation, of Gt. Britain, Limited, London, England. Locking device. 1,782,080; Nov. 18.
- Thomas, B. R., et al. (See Franchère, H. A., and Jepp, assignors.)
- Thomas, Ben B., and G. O. Forsberg, Portland, Oreg. Flushing valve. 1,763,188; June 10.
- Thomas & Betts Co., The. (See Thomas, George C., jr., assignor.)
- Thomas, Charles, Brooklyn, N. Y. Hair-waving device. 1,778,874; Oct. 21.

- Thomas, Charles A., Oakwood, and C. A. Hochwalt, Dayton, O. Process of and charge for producing carbon dioxide at low temperatures. 1,777,338; Oct. 7.
- Thomas, Charles A., and C. A. Hochwalt, Dayton, O. Charge for fire extinguishers. 1,777,339; Oct. 7.
- Thomas, Charles W., East Cleveland, assignor to The Thomas Stoker Company, Cleveland, Ohio. Apparatus for feeding fuel. 1,757,401; May 6.
- Thomas, David A. J., Boston, Mass. Changeable exhibitor. 1,775,056; Sept. 2.
- Thomas, David R., Cleveland, Ohio. Trailer construction. 1,786,463; Dec. 30.
- Thomas, David W., Youngstown, Ohio. Apparatus for making flanged metal spiders. 1,765,807; June 24.
- Thomas, Donald L., New York, N. Y. Treating hydrocarbons. 1,781,826; Nov. 18.
- Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Flow-controlling scale. 1,785,370; Dec. 16.
- Thomas Elevator Company. (See Wilson, Alexander H., assignor.)
- Thomas, Elmer R. (See Keller, J. M., and Thomas.)
- Thomas, Elwin A. and F. A., Willits, Calif. Illuminated name and number plate. 1,754,067; Apr. 8.
- Thomas, Floyd H., Milan, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,753,034; Apr. 1.
- Thomas, Forest A. (See Thomas, Elwin A. and F. A.)
- Thomas, Frank B., Wilkesburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door and brake control device. 1,778,129; Oct. 14.
- Thomas, Franklin. (See Brant, P. S., and Thomas.)
- Thomas, Garfield, Old Fort, N. C. Automatic dump for steam shovels. 1,773,066; Aug. 12.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,757,820; May 6.
- Thomas, George B., and H. A. Coons, Duluth, assignors to M. F. Patterson Dental Supply Co., St. Paul, Minn. Centrifugal casting machine. 1,767,023; June 24.
- Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 1,758,092; May 13.
- Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 1,770,115; July 8.
- Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 1,770,116; July 8.
- Thomas, George C., Swampscott, Mass., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Hinge last. 1,783,682; Dec. 2.
- Thomas, George C., Swampscott, Mass., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Hinged last. 1,783,862; Dec. 2.
- Thomas, George D., Duquesne, Pa. Antiskid device. 1,748,253; Feb. 25.
- Thomas, George F., Berwyn, and O. J. Herb, assignors to Alemite Corporation, Chicago, Ill. Filter. 1,781,964; Nov. 18.
- Thomas, George G., Hillside, Ariz., assignor to American Cyanamid Company, New York, N. Y. Reagent feeder. 1,787,289; Dec. 30.
- Thomas, George H., Walla Walla, Wash. Gate. 1,756,564; June 24.
- Thomas, George N., Mankato, Minn. Vehicle heater. 1,782,325; Nov. 18.
- Thomas, George P., Glenshaw, Pa. Metal-perforating machine. 1,775,359; Sept. 9.
- Thomas, George W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Glazing construction. 1,763,275; June 10.
- Thomas, Harry W. (See Urquhart, Norman J., assignor.)
- Thomas, Helen R. and A. A., New York, N. Y. Bridge-score indicator. Des. 80,585; Feb. 25.
- Thomas, Helen R. and A. A., New York, N. Y. Bridge-score indicator. Des. 80,644; Mar. 4.
- Thomas, Helen R. and A. A., New York, N. Y. Pencil or similar article. Des. 80,645; Mar. 4.
- Thomas, Helen R. and A. A., New York, N. Y. Pencil or similar article. Des. 80,646; Mar. 4.
- Thomas, Henry. (See Pew, A. E., jr., and Thomas.)
- Thomas, Henry, London, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Work-piece holder for slicing machines. 1,778,235; Oct. 14.
- Thomas, Henry, Barking Essex, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Last-slice holder or support for slicing machines. 1,778,472; Oct. 14.
- Thomas, Henry, Ridley Park, assignor to Sun Oil Company, Philadelphia, Pa. Heat exchanger. 1,742,833; Jan. 7.
- Thomas, Henry, Ridley Park, assignor to Sun Oil Company, Philadelphia, Pa. Tube still furnace. 1,782,885; Nov. 25.
- Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Universal-joint construction. 1,746,325; Feb. 11.
- Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Motor-vehicle fender. 1,749,453; Mar. 4.
- Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Windshield. 1,761,161; June 3.
- Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Running-board and blind-strip assembly. 1,777,590; Oct. 7.
- Thomas, Horace T., Lansing, Mich. Valve gearing. 1,784,257; Dec. 9.
- Thomas, Idris, Whittier, Calif. Casing spear. 1,777,592; Oct. 7.
- Thomas, Idris, Whittier, Calif., assignor of one-half to E. I. Tibbet, Huntington Park, Calif. Well tool and joint. 1,777,591; Oct. 7.
- Thomas, James. (See Tickner, F. W., and Thomas.)
- Thomas, James A., Albert Lea, Minn. Pilot headlight. 1,760,327; May 27.
- Thomas, James M. (See Keenan, William E., assignor.)
- Thomas, John. (See Wylam, B., and Thomas.)
- Thomas, John. (See Wylam, B., Harris, and Thomas.)
- Thomas, John, and H. A. E. Drescher, assignors to Scottish Dyes, Limited, Grangemouth, Stirling, Scotland. Dyestuff intermediate from halogen benzoylbenzoic acids. 1,779,221; Oct. 21.
- Thomas, John L., Roxbury, Mass. Automatic electric time switch. 1,778,093; Oct. 14.
- Thomas, John R., North Bergen, N. J., assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 81,906; Aug. 26.
- Thomas, John W., Waterville, Me. Card table. Des. 80,586; Feb. 25.
- Thomas, John W., assignor to B. Miffin Hood Brick Company, Daisy, Tenn. Apparatus for making tiles. 1,781,992; Nov. 18.
- Thomas, John, and H. W. Hereward, Murrell Hill Works, assignors to Scottish Dyes, Limited, Carlisle, England. Production of hydroxy-anthraquinones. 1,744,815; Jan. 28.
- Thomas, Joseph C., and W. H. Bines, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Device for repairing inner tubes or the like. 1,768,345; June 24.
- Thomas, Laurence H. (See Kuhn, F., and Thomas.)
- Thomas, Lawrence W., Marion, S. C. Peanut roaster. 1,766,846; June 24.
- Thomas, Leroy A. (See Belfrage, F. R., and Thomas.)
- Thomas, Le Roy. (See Thomas, William M., assignor.)
- Thomas, Leslie J., assignor to V. C. Batchelder, Arlington Heights, Mass. Piston. 1,756,768; Apr. 29.
- Thomas, Leslie J., assignor to V. C. Batchelder, Arlington Heights, Mass. Piston. 1,760,451; May 27.
- Thomas, Logan E., Choctaw, Okla. Apparatus for skinning animals. 1,764,425; June 17.
- Thomas, Louis G. L., Chicago, Ill. Automatic control for heating plants. 1,782,489; Nov. 25.
- Thomas, Michellieux S., Eggertsville, N. Y. Time-switch mechanism. 1,769,657; July 1.
- Thomas, Nicolas F., Detroit, Mich. Submarine rescue device. 1,756,962; May 6.
- Thomas, Olive K., et al. (See Freyberg, A., and Marcus, assignors.)
- Thomas, Olive K., et al. (See Marcus, Jacob, assignor.)
- Thomas, Olive K., and J. D. Malkin, Philadelphia, Pa., assignors of one-half to Freyberg Bros. Inc., New York, N. Y. Waistband curtain. 1,762,283; June 10.
- Thomas, Olive K., and J. D. Malkin, Philadelphia, Pa., assignors of one-half to Freyberg Bros. Inc., New York, N. Y. Producing waistband curtains. 1,762,284; June 10.
- Thomas, Pacific J., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Bobbin holder. 1,751,566; Mar. 25.
- Thomas, Paul J., Narbonne, France. Automatic shaft coupling. 1,775,741; Sept. 16.
- Thomas, Paul, New Cologne, Berlin, and F. Fischer, Charlottenburg, Berlin, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Inductance device for loading phantom circuits. 1,768,274; June 24.
- Thomas, Percy H., Upper Montclair, N. J. Universal transmission tower. 1,746,804; Feb. 11.
- Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Compensated paralleling system. 1,763,276; June 10.
- Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Receptacle for light-sensitive units. 1,764,363; June 17.
- Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Paralleling relay system. 1,786,792; Dec. 30.
- Thomas, R., & Sons Company, The. (See Sleeman, Harold P., assignor.)
- Thomas, Robert A., Lombard, Ill. Machine for grinding mower elements. 1,782,154; Nov. 18.
- Thomas, Sherman A., Rochester, N. Y. Combined mirror and hat support. Des. 80,647; Mar. 4.
- Thomas, Sherman A., Rochester, N. Y. Combined hat support and coat hanger. Des. 80,648; Mar. 4.
- Thomas, Sherman A., Rochester, N. Y. Hat support for a hall tree or similar article. Des. 81,673; July 22.
- Thomas, Stephen S., Lebanon, Ohio. Door and the like. 1,765,036; June 17.
- Thomas Stoker Company, The. (See Thomas, Charles W., assignor.)
- Thomas, Sydney E. (See Quick, W., Thomas, and Berwick.)
- Thomas, Thomas A., and W. F. Hawie, sr., Huntington, W. Va. Combined frog and section insulators. 1,779,832; Oct. 28.
- Thomas, Thomas E., Ogden, Utah. Electromagnetic rotary motor. 1,767,158; June 24.

- Thomas, Thomas G. H., Bristol, England. Blotting appliance. 1,774,214; Aug. 26.
- Thomas, Thomas H. (See Farmer, C. C., and Thomas.)
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric signal system. 1,742,425; Jan. 7.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load brake. 1,742,427; Jan. 7.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,742,428; Jan. 7.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric signal system. 1,746,062; Feb. 4.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake equipment. 1,750,650; Mar. 18.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,754,246; Apr. 15.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,758,724; May 13.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train-control equipment. 1,765,509; June 24.
- Thomas, Thomas H., Edgewood, and R. C. Burns, Bellwood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple-valve device. 1,742,426; Jan. 7.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric signal system. 1,771,425; July 29.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric signal system. 1,776,299; Sept. 23.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,776,300; Sept. 23.
- Thomas, Thomas H., Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric signal system. 1,778,130; Oct. 14.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple-valve device. 1,780,321; Nov. 4.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric-switch device. 1,786,176; Dec. 23.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-pipe cut-off valve. 1,786,177; Dec. 23.
- Thomas, Thomas H., Edgewood, and J. N. Good, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,786,178; Dec. 23.
- Thomas, Thomas R., Newark, N. J., assignor to Auto Research Corporation. Steering-knuckle lubrication. 1,748,924; Feb. 25.
- Thomas, Valery C., assignor of one-half to J. C. Calhoun, Palatka, Fla. Gasoline-tank-cap lock. 1,778,989; Oct. 21.
- Thomas, Victor. (See Newman, J. P., and Thomas.)
- Thomas, William, New York, N. Y. Spring-winding control device. 1,787,343; Dec. 30.
- Thomas, William, Petersburg, Nebr. Grain-elevator spout. 1,743,939; Jan. 14.
- Thomas, William A. (See Davenport, W. S., and Thomas.)
- Thomas, William M., assignor to L. Thomas, Los Angeles, Calif. Theft protection for vehicles. 1,747,194; Feb. 18.
- Thomas, William N., assignor to Sargent & Company, New Haven, Conn. Plate for casket handles or the like. Des. 81,264; May 27.
- Thomas, Willis P. (See Snow, N. L., and Thomas.)
- Thomas, Willis P., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,750,548; Mar. 11.
- Thomas, Willis P., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,773,125; Aug. 19.
- Thomason, Joseph J., L. S. Washington, and G. P. May, St. Louis, Mo., assignors to Westinghouse Electric and Manufacturing Company. Cross-arm support for safety coils. 1,743,168; Jan. 14.
- Thomes, Frank E., South Portland, Me. Heater. 1,777,054; Sept. 30.
- Thomka, Zoltán, Budapest, Hungary. Device for preventing creep in railway rails. 1,773,156; Aug. 19.
- Thommes, John A., assignor to Jas. P. Marsh & Company, Chicago, Ill. Indicating circuit-controlling apparatus. 1,762,491; June 10.
- Thompson, Adin. (See Ashworth, F., and Thompson.)
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Heat-treating apparatus for packaged goods. Re17,643; Apr. 15.
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Fruit pitter. Re17,659; May 6.
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Filling valve for slurpers. 1,753,729; Apr. 8.
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Apparatus for sterilizing canned goods. 1,754,532; Apr. 15.
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Sterilizing canned goods. 1,754,584; Apr. 15.
- Thompson, Albert R., San Jose, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitter. 1,785,015; Dec. 16.
- Thompson, Albert R., San Jose, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitter. 1,785,016; Dec. 16.
- Thompson, Albert R., San Jose, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit-pitting machine. 1,785,017; Dec. 16.
- Thompson, Albert R., San Jose, assignor to Pacific Machinery Company, San Francisco, Calif. Fruit-pitting apparatus. 1,785,018; Dec. 16.
- Thompson, Albert R., San Jose, and E. R. Anderson, Los Angeles, assignors to Pacific Machinery Company, San Francisco, Calif. Fruit pitter. 1,785,019; Dec. 16.
- Thompson, Alfred P. (See Benner, R. C., and Thompson.)
- Thompson, Allison J., Cleveland, Ohio. Shock absorber for inverted lamps. 1,762,285; June 10.
- Thompson, Andrew, Niagara Falls, assignor to The Embossing Company, Albany, N. Y. Toy house. 1,756,526; Apr. 29.
- Thompson, Arthur H., assignor to Thompson Bremer & Co., Chicago, Ill. Lock washer. 1,775,705; Sept. 16.
- Thompson, Arthur R., Jr., Charlotte, N. C., assignor to Rohm & Haas Company. Application of vat dyes to textile fibers. 1,759,071; May 20.
- Thompson, Arthur S., Ontario, Calif. Watchmaker's cabinet. 1,754,128; Apr. 8.
- Thompson, Arthur S., Ontario, Calif. Telescope bench light. 1,777,185; Sept. 30.
- Thompson, Arthur W., and F. J. Vogel, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company. Transformer core. 1,760,998; June 3.
- Thompson, Ashley S., Los Angeles, Calif. Janitor's truck. 1,746,134; Feb. 4.
- Thompson, Augustus F., Huntington, W. Va. Door for radiant gas heaters. 1,753,673; Apr. 8.
- Thompson Bremer & Co. (See Thompson, Arthur H., assignor.)
- Thompson Bros. Boat Mfg. Co. (See Thompson, Peter, assignor.)
- Thompson Bros. Shoe Co. (See Richardson, F. L., and Macdonald, assignors.)
- Thompson, Carl G., St. Louis, Mo. Airplane construction. 1,757,603; May 6.
- Thompson, Cecil E. (See Coe, D. W., and Thompson.)
- Thompson, Charles C., Glendale, Calif. Determining the dip of strata. 1,766,202; June 24.
- Thompson, Charles E., and R. E. Bissell, assignors to Thompson Products Inc., Cleveland, Ohio. Making poppet valves. 1,767,415; June 24.
- Thompson, Charles W., Wollaston, assignor to H. C. Wheeler, Boston, Mass. Towel cabinet. 1,786,966; Dec. 30.
- Thompson, Clarence W., Wilmington, Del. Hydraulic valve. 1,744,514; Jan. 21.
- Thompson, Don N., deceased, by E. C. Thompson, executrix, assignor to Pass & Seymour, Inc., Syracuse, N. Y. Convenience outlet for fixtures. 1,760,570; May 27.
- Thompson, Earl A., assignor to General Motors Corporation, Detroit, Mich. Disk clutch. 1,768,346; June 24.
- Thompson, Elmer B., assignor to National Sales and Manufacturing Company, Des Moines, Iowa. Corn popper. 1,786,877; Dec. 30.
- Thompson, Eugene A., Syracuse, assignor to Steadfast Manufacturing Company, Inc., Geneva, N. Y. Ventilator. 1,750,789; Mar. 18.
- Thompson, Eva C., executrix. (See Thompson, Don N.)
- Thompson, Flora B. (See Thompson, Howard C., assignor.)
- Thompson, Frank B., et al. (See Hammons, Edward, assignor.)
- Thompson, Fred C., Detroit, Mich., assignor to Morse Chain Company. Change-speed device. 1,766,414; June 24.
- Thompson, Fred C., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Gear transmission. 1,766,415; June 24.
- Thompson, Fred C., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Change-speed device. 1,774,618; Sept. 2.
- Thompson, Fred C., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Chain-adjusting device. 1,783,987; Dec. 9.
- Thompson, George. (See Barton, Francis M., assignor.)
- Thomson, George H. (See Smith, H. A., Thomson, and Stafford.)
- Thompson, George K., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Selective signaling system. 1,742,291; Jan. 7.
- Thompson, George K., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Coin-controlled apparatus. 1,776,301; Sept. 23.
- Thompson, Gertrude E., assignor to Van Sicklen Corporation, Elgin, Ill. Container for use in automobile interior fitting or similar article. Des. 80,919; Apr. 8.
- Thompson, Gertrude E., assignor to Van Sicklen Corporation, Elgin, Ill. Container for use in automobile interior fitting or similar article. Des. 80,920; Apr. 8.

- Thompson, Gertrude E., assignor to Van Sicklen Corporation, Elgin, Ill. Container for use in automobile interior fitting or similar article. Des. 80,921; Apr. 8.
- Thompson, Gertrude E., assignor to Van Sicklen Corporation, Elgin, Ill. Container for use in automobile interior fitting or similar article. Des. 80,922; Apr. 8.
- Thompson, Gertrude E., assignor to Van Sicklen Corporation, Elgin, Ill. Container for use in automobile interior fitting or similar article. Des. 80,923; Apr. 8.
- Thompson, Gertrude E., assignor to Van Sicklen Corporation, Elgin, Ill. Container for use in automobile interior fitting or similar article. Des. 80,924; Apr. 8.
- Thompson, Gertrude E., assignor to Van Sicklen Corporation, Elgin, Ill. Receptacle for smokers' use and articles. Des. 81,031; Apr. 22.
- Thompson, Harlan, Benicia, assignor to Yuba Manufacturing Company, San Francisco, Calif. Cooling system for marine engines. 1,765,637; June 24.
- Thompson, Harry A., Bronxville, N. Y. Power-driven wrench. 1,750,825; Mar. 18.
- Thompson, Harry C., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,756,889; Apr. 29.
- Thompson, Harry E., assignor to Universal Cooler Corporation, Detroit, Mich. Thermostatic control for automatic refrigerating systems. 1,747,958; Feb. 18.
- Thompson, Harry E., assignor to Universal Cooler Corporation, Detroit, Mich. Compressor-valve structure. 1,768,807; July 1.
- Thompson, Harry E., assignor to Universal Cooler Corporation, Detroit, Mich. Refrigerant control. 1,776,401; Sept. 23.
- Thompson, Harry H. (See Heise, G. W., and Thompson.)
- Thompson, Henry C., Oaklawn, La. Aeroplane. 1,769,320; July 1.
- Thompson, Henry E., Newark, N. J., assignor to The Peerless Awning Hardware Co., Inc. Awning actuator. 1,774,303; Aug. 26.
- Thompson, Herbert A., assignor of one-half to Swinney Brothers Limited, Morpeth, England. Filtering or like device. 1,754,728; Apr. 15.
- Thompson, Herbert A., assignor to Swinney Brothers Limited, Morpeth, England. Filtering or like device. 1,757,153; May 6.
- Thompson, Herbert H., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Gyroscopic compass. 1,773,411; Aug. 19.
- Thompson, Herbert H., Mountain Lakes, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic compass. 1,773,412; Aug. 19.
- Thompson, Herbert L. (See Hubbard, H. E., and Thompson.)
- Thompson, Herbert L., Elgin, assignor to Addressograph Company, Chicago, Ill. Antifriction bearing. 1,750,140; Mar. 11.
- Thompson, Hiram F., Oakland, Calif. Power saw. 1,756,527; Apr. 29.
- Thompson, Horace W., Cleveland Heights, Ohio, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,772,117; Aug. 5.
- Thompson, Howard A. (See Loomis, H. S., and Thompson.)
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,743,253; Jan. 14.
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,750,441; Mar. 11.
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,759,923; May 27.
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway bootleg. 1,770,049; July 8.
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,781,827; Nov. 18.
- Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,784,851; Dec. 16.
- Thompson, Howard C., assignor to F. B. Thompson, Fort Wayne, Ind. Collection device. 1,743,986; Jan. 14.
- Thompson, James A. (See Highberg, S. J., and Thompson.)
- Thompson, James H., Trenton, assignor to Hussong Dyeing Machine Company, Groveville, N. J. Dyeing machine. 1,760,798; May 27.
- Thompson, James H., Trenton, N. J., assignor to Walker & Davis, Inc., Philadelphia, Pa. Machine for dyeing and treating yarn. 1,784,399; Dec. 9.
- Thompson, James S., New York, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Permanent mold for making castings. 1,745,515; Feb. 4.
- Thompson, James S., New York, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Insert-holding device for casting molds. 1,754,340; Apr. 15.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,757,273; May 6.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Composition of matter. 1,761,057; June 3.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,761,318; June 3.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,771,594; July 29.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,771,595; July 29.
- Thompson, Jess A., Washington C. H., Ohio. Animal feeder. 1,752,123; Mar. 25.
- Thompson, J. O., et al. (See Rodges, Roy A., assignor.)
- Thompson, John (Dudley) Limited. (See Partridge, Harry E., assignor.)
- Thompson, John D., Union City, N. J., assignor to American Car and Foundry Company, New York, N. Y. Pedestal for railway cars. 1,748,153; Feb. 25.
- Thompson, John M., Thorpe, Iowa. Gate supporting means. 1,748,002; Feb. 18.
- Thompson, John W., Oak Park, assignor to Marshall Field & Company, Chicago, Ill. Mechanical toy. 1,754,916; Apr. 15.
- Thompson, John W., Puebla, Mex. Bipolar limiter with additional differential winding. 1,776,205; Sept. 16.
- Thompson, Jonas A., Wales, Mass. Antiskid device. 1,742,942; Jan. 7.
- Thompson, Joseph G. (See Danner, D. G., and Thompson.)
- Thompson, Le Roy J., Grand Rapids, Mich. Safety pin. 1,769,477; July 1.
- Thompson, Leonard R. (See Randall, C. E., and Thompson.)
- Thompson, Leslie P., Astoria, Oreg. Detachable handle for pie tins. 1,746,093; Feb. 4.
- Thompson, Lincoln, Naugatuck, assignor, by mesne assignments, to Wm. H. Bristol Talking Picture Corporation, Waterbury, Conn. Amplification system. 1,755,938; Apr. 22.
- Thompson, Lincoln, Naugatuck, assignor, by mesne assignments, to Wm. H. Bristol Talking Picture Corporation, Waterbury, Conn. Combined microphonic transmitter and amplifier therefor. 1,760,672; May 27.
- Thompson, Lincoln, Naugatuck, assignor to Wm. H. Bristol Talking Picture Corporation, Waterbury, Conn. Electromagnetic pick-up device for phonographic records. 1,787,290; Dec. 30.
- Thompson, Livingston A., Waukesha, Wis. Making cheese. 1,745,962; Feb. 4.
- Thompson, Lorenzo D., assignor to The F-N Company, Chicago, Ill. Liquid-dispensing apparatus. 1,784,852; Dec. 16.
- Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulating apparatus. 1,743,737; Jan. 14.
- Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulator. 1,785,566; Dec. 16.
- Thompson Manufacturing Company, The. (See Buelna, Guadalupe, assignor.)
- Thompson Manufacturing Company. (See Thompson, Walter Van E., assignor.)
- Thompson, Marshall F., assignor to American Signal Corporation, Washington, D. C. Parliamentary voting system and apparatus therefor. 1,773,891; Aug. 26.
- Thompson Motor Corporation. (See Frederickson, Clayton E., assignor.)
- Thompson, Nathan W., et al. (See Anderson, Victor H., assignor.)
- Thompson, Norman F., jr., Colebrook, assignor to The William L. Gilbert Clock Company, Winsted, Conn. Clock case. Des. 82,961; Dec. 30.
- Thompson, Norman J., Wellesley Hills, Mass. Testing the flammable condition of a mixture of air or oxygen with a flammable gas or vapor. 1,779,569; Oct. 28.
- Thompson, Orville J., Franklin, Pa. Fishing tool for sucker rods. 1,750,248; Mar. 11.
- Thompson, Paul B., assignor to National Pepsi-Cola Corporation, Richmond, Va. Bottle for soft drinks. Des. 80,587; Feb. 25.
- Thompson, Paul B., assignor to National Pepsi-Cola Corporation, Richmond, Va. Bottle for soft drinks. Des. 81,079; Apr. 29.
- Thompson, Paul J., et al. (See Kean, Gilbert P., assignor.)
- Thompson, Paul R. (See Ballentine, W. I., and Thompson.)
- Thompson, Paul R. (See Ballentine, W. I., and Thompson.)
- Thompson, Paul R. (See Thomas, O., and Thompson.)
- Thompson, Peter, assignor to Thompson Bros. Boat Mfg. Co., Peshtigo, Wis. Method and apparatus for the manufacture of boats. 1,767,101; June 24.
- Thompson Products Inc. (See Bissell, Richard E., assignor.)
- Thompson Products, Inc. (See Bissell, R. E., and Miller, assignors.)
- Thompson Products, Incorporated. (See Graham, Matthew P., assignor.)
- Thompson Products Inc. (See Hufferd, George H., assignor.)
- Thompson Products, Inc. (See Miller, C. W., and Bissell, assignors.)
- Thompson Products, Incorporated. (See Spire, W. H., and Bissell, assignors.)
- Thompson Products Inc. (See Thompson, C. E., and Bissell, assignors.)

Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Blade for safety razors. 1,746,063; Feb. 4.

Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety-razor blade. 1,772,432; Aug. 5.

Thompson, Raymond J. (See Clement, E. B., and Thompson.)

Thompson, Robert, Plainfield, N. J. Turntable. 1,768,014; June 24.

Thompson, Robert, Windsor, Ontario, Canada. Building construction. 1,770,439; July 15.

Thompson, Robert A., New Orleans, La. Method of and apparatus for building improved roads. 1,757,691; May 6.

Thompson, Robert J., Paris, France. Fold collar. 1,782,913; Nov. 25.

Thompson, Robert S. (See Kimble, Clark R., assignor.)

Thompson, Roscoe H., Wausaukee, Wis. Overhead conveyor. 1,759,378; May 20.

Thompson, Robert M., Tacoma, Wash. Filter device. 1,778,342; Oct. 14.

Thompson, Russell G., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Carriage-return mechanism. 1,753,450; Apr. 8.

Thompson, Russell G., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriter. 1,761,758; June 3.

Thompson, Russell G., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Power-operated typewriters. 1,775,057; Sept. 2.

Thompson, Russell G., assignor, by mesne assignments, to Electromatic Typewriters, Inc., Rochester, N. Y. Power mechanism. 1,777,055; Sept. 30.

Thompson, Russell G., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Power mechanism. 1,777,056; Sept. 30.

Thompson, Samuel H., New York, N. Y., assignor, by mesne assignments, to Morse Boulder Destructor Company. Furnace for destroying waste. 1,764,661; June 17.

Thompson, Seth W., Montclair, N. J. Internal-combustion engine. 1,748,254; Feb. 25.

Thompson, Somerville W., trustee. (See Tillson, Edwin D., assignor.)

Thompson, Thomas E., Los Angeles, Calif. Educational device. 1,750,977; Mar. 18.

Thompson, Thomas V., Beloit, Wis. Disk-grinding wheel. 1,767,821; June 24.

Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Sprinkler having projectable nozzle. 1,753,841; Apr. 8.

Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Sprinkler head. 1,776,455; Sept. 23.

Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Strainer and control valve. 1,776,456; Sept. 23.

Thompson, Walter W., and E. Russell, Macomb, Ill. Poultry fount. 1,785,921; Dec. 23.

Thompson, Watson T., assignor to American Road Machinery Company, Inc., Kennett Square, Pa. Road oiler. 1,755,376; Apr. 22.

Thompson, Wayne B., Winchester, Mass. Apparatus or tool for applying coating. 1,767,822; June 24.

Thompson, Wayne B., Winchester, Mass. Spray gun. 1,779,992; Oct. 28.

Thompson, William, and L. F. Briggs, New York, N. Y. Cash-fare register. 1,746,748; Feb. 11.

Thompson, William A., Nortland Mines, Ontario, Canada. Interchangeable skate. 1,773,017; Aug. 12.

Thompson, William B., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Rail clamp. 1,772,527; Aug. 12.

Thompson, William D. (See Small, Bertram A., assignor.)

Thompson, William D., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,781,483; Nov. 11.

Thompson, William H., assignor to J. W. Duncan, Wichita Falls, Tex. Liquid-spraying machine. 1,755,716; Apr. 22.

Thompson, William H., assignor to The H. H. Miller Industries Company, Canton, Ohio. Freezing mechanism. 1,765,315; June 17.

Thompson, William H., Berkeley, Calif. Gas-compressor unit. 1,786,321; Dec. 23.

Thompson, William H., Buffalo, N. Y. Frame for mirrors, pictures, and the like. 1,770,050; July 8.

Thompson, Willsie A. S. (See Gunn, R. W., and Thompson.)

Thomsen, Alfred M., San Francisco, Calif. Manufacture of paper pulp. 1,758,896; May 13.

Thomsen, Peter, deceased, by R. Krummacher, administrator, Cassel, assignor to Schmidt'sche Heissdampf-Gesellschaft mit Beschränkter Haftung, Cassel-Wilhelmshöhe, Germany. Superheating system for fire-tube boilers. 1,768,169; June 24.

Thomsen, Peter Skovby, Great Village, Nova Scotia, Canada. Shovel for potato diggers. 1,786,464; Dec. 30.

Thomsen, William. (See Jacobsen, Helge, assignor.)

Thomson, Alfred M., Newark, N. J., assignor to J. Mercadante, New York, N. Y. Refrigerating apparatus. 1,742,622; Jan. 7.

Thomson, Alfred M., Newark, N. J., assignor to J. Mercadante, New York, N. Y. Refrigerating apparatus. 1,761,499; Mar. 25.

Thomson, Alfred M. (See Thomson, Robert and A. M.)

Thomson, Alfred M., Newark, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Rod or like article. Des. 82,529; Nov. 11.

Thomson, Alfred M., Newark, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Rod or like article. Des. 82,530; Nov. 11.

Thomson, Catherine E. (See Thomson, James and C. E.)

Thomson, Charles M., Westmount, Quebec, Canada. Electrically welding pipes. 1,756,403; Apr. 29.

Thomson, David, London, England. Treatment of animal matter. 1,758,987; May 20.

Thomson Electric Welding Company. (See Speed, Francis H., assignor.)

Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electric welding. 1,746,202; Feb. 4.

Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electric welding. 1,746,204; Feb. 4.

Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electric arc welding. 1,746,205; Feb. 4.

Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Liquid-level gauge for boilers. 1,759,767; May 20.

Thomson, Elihu, Swampscott, and P. P. Alexander, Marblehead, Mass., assignors to General Electric Company. Method and apparatus for electric arc welding. 1,746,203; Feb. 4.

Thomson, Elihu, Swampscott, Mass., assignor by mesne assignments, to The Glacifer Corporation of Delaware. Cooling container. Re17,826; Oct. 14.

Thomson, Fred C., deceased, Beverly Hills, by D. R. Faries, administrator, Los Angeles, Calif. Opposed-piston internal-combustion engine. 1,746,876; Feb. 11.

Thomson, Fred C., deceased, Beverly Hills; D. R. Faries, administrator, Los Angeles, Calif. Bearing box. 1,755,570; Apr. 22.

Thomson, Frederick W. (See Thomson, Jesse O. and F. W.)

Thomson, George M. (See Haire, R. E., and Thomson.)

Thomson, George M., Caledonia, Ontario, assignor to Canada Gypsum and Alabastine, Limited, Paris, Ontario, Canada. Reinforced building material and making the same. 1,751,429; Mar. 18.

Thomson, George M., Caledonia, Ontario, assignor to Canada Gypsum and Alabastine, Limited, Paris, Ontario, Canada. Process and apparatus for making cellular insulating material. 1,751,430; Mar. 18.

Thomson, George M., Caledonia, assignor, by mesne assignments, to Canada Gypsum and Alabastine, Limited, Paris, Ontario, Canada. Producing cellular building material. 1,753,255; Apr. 8.

Thomson, George M. (See Robinson, L. V., and Thomson.)

Thomson-Gibb Electric Welding Company. (See Gibb, William H., assignor.)

Thomson, James and C. E., Dunedin, assignors of three-fifths to J. Winsloe, Dunedin, Otago, New Zealand. Machine for separating solids from liquids. 1,762,899; June 10.

Thomson, Jesse O. and F. W., assignors to William Thomson, Inc., Philadelphia, Pa. Gas range. 1,748,742; Feb. 25.

Thomson, John F., Chicago, Ill. Loading machine. 1,759,072; May 20.

Thomson, John F., Chicago, Ill. Shock loader. 1,759,073; May 20.

Thomson, John M., Long Island City, N. Y., and P. Hardy, Bridgeport, Conn. Exercising apparatus. 1,750,549; Mar. 11.

Thomson Machine Company. (See Parsons, Edward T., assignor.)

Thomson, Robert, and A. M., Newark, N. J. Power press. 1,781,038; Nov. 11.

Thomson, S. H., Manufacturing Company, The. (See Hummert, Robert H., assignor.)

Thomson, S. H., Manufacturing Company, The. (See Hummert, Robert H., assignor.)

Thomson, Volney W., Portsmouth, Ohio. Ash receiver. Des. 82,920; Dec. 23.

Thomson, William, Inc. (See Thomson, Jesse O. and F. W., assignors.)

Thomson, William H., San Francisco, Calif., assignor to American Telephone and Telegraph Company. Sheet-mounting device. 1,775,742; Sept. 16.

Thomson, William P., assignor to The Rail Joint Company, New York, N. Y. Insulated rail joint. 1,749,857; Mar. 11.

Thomson, William R., Fordson, Mich. Table. 1,751,536; Mar. 25.

Thon, George, Philadelphia, Pa. Tread switch. 1,786,098; Dec. 23.

Thorburn, Charles R., assignor to The A. S. Boyle Company, Cincinnati, Ohio. Floor polisher. 1,776,710; Sept. 23.

Thord-Gray Holding Corporation. (See Schauman, Bror M., assignor.)

Thorin, Carl B., San Jose, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Combined cooker and cooler. 1,772,528; Aug. 12.

Thorin, Peter A., Iron Mountain, Mich. Nozzle for automobile heaters. 1,773,650; Aug. 19.

Thorkelson, Halsten J. (See Kohler, H. V., Brotz, and Thorkelson.)

Thormann, Albert F. W., Pittsburgh, Pa. Copper-coated wire rope. 1,766,201; June 24.

- Thormann, Albert F. W., Pittsburgh, Pa. Hose cable. 1,778,818; Oct. 21.
- Thormeyer, George A., Chicago, Ill. Combination ignition-lock switch and theft-alarm switch. 1,779,150; Oct. 21.
- Thorn, George M., Blackwood, Va., H. W. Warden, jr., Haverford, Pa., W. J. Blackburn and A. E. Shannon, Calvin, Va., assignors to Blackwood Coal & Coke Company, Blackwood, Va. Apparatus for marking coal. 1,770,051; July 8.
- Thorn, Percy M., Long Island City, N. Y. Coal-truck body. 1,760,093; May 27.
- Thorn, William E., assignor to The Ives Corporation, Bridgeport, Conn. Toy railway track. 1,758,093; May 13.
- Thorn, William E., assignor to The Ives Manufacturing Corporation, Bridgeport, Conn. Lamp-socket-fastening means. 1,758,299; May 13.
- Thornburgh, Mabel H., Denver, Colo. Marcel cap. 1,780,887; Nov. 4.
- Thorne, Carl B., Hawkesbury, Ontario, Canada. Mixing machine. 1,767,102; June 24.
- Thorne, Carl B., Hawkesbury, Ontario, Canada. Log barker. 1,776,643; Sept. 23.
- Thorne, Clarence O., Watervliet, Mich. Paper cutter. 1,752,124; Mar. 25.
- Thorne, Clarence O., Watervliet, Mich. Gauge for paper-cutting machines. 1,752,125; Mar. 25.
- Thorne, Clarence O., Watervliet, Mich. Gauge for paper-cutting machines. 1,752,126; Mar. 25.
- Thorne, Delmont M., Galesburg, Ill. Tool. 1,761,998; June 3.
- Thorne, Harold C., District of Columbia. Automatic power system. 1,774,491; Aug. 26.
- Thorne, Harold C., District of Columbia. Automatic power system. 1,774,492; Aug. 26.
- Thorngren, Helmer, Detroit, Mich. Skate sharpener. 1,786,553; Dec. 30.
- Thornley, Albert E., assignor to Narragansett Machine Company, Pawtucket, R. I. Stuffing box. 1,752,279; Mar. 25.
- Thornley, Joseph H., Chicago, Ill. Pile-driving apparatus. 1,769,169; July 1.
- Thornley, Joseph H., assignor to Western Foundation Company, Chicago, Ill. Making piles in place. 1,775,217; Sept. 9.
- Thornley, Joseph H., Chicago, Ill. Cast-in-place pile. 1,778,925; Oct. 21.
- Thornley, Joseph H., assignor to Western Foundation Company, Chicago, Ill. Retaining wall. 1,778,574; Oct. 14.
- Thornley, Olney, Coyle, Okla. Snap. 1,764,813; June 17.
- Thornley, Sidney. (See Shepherdson, A., and Thornley.)
- Thornton, H. H., et al. (See Laswell, Vernon E., assignor.)
- Thornton, Irving T. (See Wendler, A. F., and Thornton.)
- Thornton, Irving T., and J. H. Crowell, Buffalo, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Process and apparatus for agitating materials. 1,778,049; Oct. 14.
- Thornton, John E. (See Romer, James F., assignor.)
- Thornton, John E., London, assignor to J. O. O'Brien, Manchester, England. Multicolor cinematograph and other film. 1,753,140; Apr. 1.
- Thornton, John E., London, assignor to J. O. O'Brien, Manchester, England. Multicolor cinematograph and other film. 1,758,768; May 13.
- Thornton, John E., London, assignor to J. O. O'Brien, Manchester, England. Multicolor cinematographic and other film and making same. 1,761,897; June 3.
- Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Cinematograph color film and method of manufacture. 1,758,185; May 13.
- Thornton, John E., West Hampstead, London, England. Multicolor cinematograph and other film. 1,758,769; May 13.
- Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Manufacture of multicolor cinematograph films. 1,758,184; May 13.
- Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Cinematograph projection apparatus. 1,760,219; May 27.
- Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Cinematograph spool case. 1,760,220; May 27.
- Thornton-Jones, Gilbert, Sherwood, Nottingham, England. Apparatus for the projection of light rays. 1,784,357; Dec. 9.
- Thornton, Leslie M., Kansas City, Mo. Reversible mop head. 1,785,216; Dec. 16.
- Thornton, Renée, New York, N. Y. Bottle. Des. 81,173; May 13.
- Thornton, Wmfred R., Toronto, Ontario, Canada. Spraying device. 1,763,912; June 17.
- Thornton, William B. (See Gamble, W. J., Stacey, and Thornton.)
- Thornton, William B. (See Schmidt, F. W., and Thornton.)
- Thorp, Vaughn P. (See Kelley, L. A., Monk, and Thorp.)
- Thorp, Vaughn P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Alternating-current relay. 1,753,256; Apr. 8.
- Thorp, Vaughn P., River Edge, N. J., and W. T. Rea, Flushing, N. Y., assignors to American Telephone and Telegraph Company. Carrier-telegraph alarm system. 1,749,048; Mar. 4.
- Thorp, Vaughn P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Carrier-current telegraph system. 1,773,798; Aug. 26.
- Thorpe Brothers Well Company. (See Thorpe, Thomas W., assignor.)
- Thorpe, Samuel T. (See Broadwell, H. S., and Thorpe.)
- Thorpe, Samuel T., and N. P. Peterson, assignors to The Horton Manufacturing Company, Bristol, Conn. Fishing rod. 1,752,865; Apr. 1.
- Thorpe, Thomas W., assignor to Thorpe Brothers Well Company, Des Moines, Iowa. Forming gravel packs for wells. 1,748,589; Feb. 25.
- Thorud, Arthur, Minneapolis, Minn. Combined sprinkler and surfacer for ice rinks. 1,762,599; June 10.
- Thour, August C., Washington, D. C. Garment shaper. 1,744,515; Jan. 21.
- Thrasher, Ray H., Ferndale, Mich. Priming device. 1,764,060; June 17.
- Three-M Manufacturing Company. (See Moore, Walter N., assignor.)
- Threlfall, Richard, Birmingham, England. Manufacture of activated carbon. 1,777,943; Oct. 7.
- Thrift, Merton B., and F. E. Planett, assignors to Planett Mfg. Co., Oakland, Calif. Furring device. 1,767,565; June 24.
- Thring, Leonard G. P., Cambridge, England. Torsion meter. 1,781,560; Nov. 11.
- Thrower, Marion R., Tuckerman, assignor of one-half to H. Hall, Tuckerman, Jackson County, Ark. Clipper. 1,766,270; June 24.
- Thum, Martin, Rochester, N. Y. Furniture. 1,751,897; Mar. 25.
- Thum, Walter A., St. Louis, Mo. Shoe-heel-setting device. 1,756,708; Apr. 29.
- Thumim, Carl. (See Tovey, G. H., and Thumim.)
- Thumim, Carl, Philadelphia, Pa., assignor to General Electric Company, a Corporation of New York. Electric switch. 1,787,291; Dec. 30.
- Thullen, Louis H., East Orange, N. J. Grinding or cutting apparatus. 1,782,128; Nov. 18.
- Thune, Enoch E., Kenyon, Minn. Metallic receptacle. 1,778,175; Oct. 14.
- Thuras, Albert L., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibratory system. 1,781,351; Nov. 11.
- Thurber, Harry F. (See Eddy, N., Carmichael, Thurber, and Balzano.)
- Thurber, Harry F., and F. E. Greene, assignors to The Greist Manufacturing Company, New Haven, Conn. Lamp shade. Des. 80,402; Jan. 21.
- Thurber, Harry F., and F. E. Greene, assignors to The Greist Manufacturing Company, New Haven, Conn. Portable electric lamp. Des. 80,814; Mar. 25.
- Thurber, Harry F., and F. E. Greene, assignors to The Greist Manufacturing Company, New Haven, Conn. Desk lamp. Des. 81,266; May 27.
- Thurber, Harry F., and F. E. Greene, assignors to The Greist Manufacturing Company, New Haven, Conn. Desk lamp. Des. 81,267; May 27.
- Thurber, Luman T., Brookline, Mass. Apparatus for supplying fuel to internal-combustion engines. 1,776,871; Sept. 30.
- Thureson, Josef E., assignor to Nya Aktiefolaget Galco, Stockholm, Sweden. Loose-leaf binder, card system file, or the like. 1,773,554; Aug. 19.
- Thürkow, Helmuth, Neubauhof, near Dargun, Germany. Plow. 1,777,186; Sept. 30.
- Thurm, Léon, Suresnes, France. Electromagnetic apparatus for the transmission of images. 1,771,360; July 22.
- Thurm, Léon, Paris, France. Optical device for radio cinematographic transmitters and receivers. 1,780,572; Nov. 4.
- Thurm, Richard, assignor to Baker Perkins Company, Incorporated, Saginaw, Mich. Tubular burner. 1,758,414; May 13.
- Thurm, Richard, assignor to Baker Perkins Company, Saginaw, Mich. Gas-firing system. 1,765,549; June 24.
- Thurm, Richard, assignor to Baker Perkins Company, Incorporated, Saginaw, Mich. Gas burner. 1,778,839; Oct. 21.
- Thurm, Richard, and E. O. Engels, Saginaw, Mich., assignors to Baker Perkins Company, Inc., New York, N. Y. Tubular burner. 1,758,628; May 13.
- Thurm, Richard, and E. O. Engels, Saginaw, Mich., assignors to Baker Perkins Company, Incorporated, White Plains, N. Y. Traveling-tray oven. 1,771,020; July 22.
- Thurm, Richard, and E. Schmierer, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Machine for dissolving xanthate. 1,742,226; Jan. 7.
- Thurm, Richard, and E. Schmierer, Saginaw, Mich., assignors to Baker Perkins Company, Inc., White Plains, N. Y. Machine for dissolving cellulose xanthate and the like. 1,763,379; June 10.
- Thurman, Benjamin H. (See Hamilton, J. C., Thurman, and Copes.)
- Thurman, Benjamin H., Tuckahoe, assignor, by mesne assignments, to Gold Dust Corporation, New York, N. Y. Treating linseed oil. 1,745,877; Feb. 4.
- Thurmann, Otto, Berlin, Germany. Mill for grinding cocoa. 1,771,340; Aug. 26.

- Thurmond, Tritos H., Shreveport, La. Pneumatic conveyor. 1,745,195; Jan. 28.
- Thurnauer, Max H., Cincinnati, Ohio. Dry battery. 1,771,827; July 29.
- Thurneyssen, Guy T., Paris, France. Joint and connection. 1,775,218; Sept. 9.
- Thurstensen, Soren, assignor to Henry Vogt Machine Co., Louisville, Ky. Union check valve. 1,756,225; Apr. 29.
- Thurston, Albert P., London, England. Aircraft. 1,775,977; Sept. 16.
- Thurston, Arthur L., Freeport, assignor to C. H. Keel, trustee, New York, N. Y. Combined aeroplane wing and radiator system. 1,779,718; Oct. 28.
- Thurston, Ernest B., assignor to The Haughton Elevator & Machine Company, Toledo, Ohio. Dynamo-electric control system. 1,754,779; Apr. 15.
- Thurston, Erwin E., Rochester, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment-pressing machine. 1,778,094; Oct. 14.
- Thurston, Fred W., Los Angeles, Calif. Mining drill. Re17,557; Jan. 7.
- Thurston, Howard. (See Greenwood, Fergus, assignor.)
- Thwaites, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Mounting for vehicle tanks. 1,773,327; Aug. 19.
- Thwing, Albert W. (See Denise, W. E., and Thwing.)
- Tibbet, Ernest I. (See Thomas, Idris, assignor.)
- Tibbetts, Charles B. (See Hurd, E. L., and Tibbetts.)
- Tibbetts, Cyrus R., Colton, Calif. Hand truck. 1,757,490; May 6.
- Tibbetts, John F., Athens, Ga., assignor to Davis & Furbur Machine Company, North Andover, Mass. Carding machine. 1,748,154; Feb. 25.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Piston. 1,742,452; Jan. 7.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,744,179; Jan. 21.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Lock. 1,748,255; Feb. 25.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Oil filter for internal-combustion engines. 1,766,847; June 24.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Shock absorber. 1,766,848; June 24.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Brake mechanism. 1,766,849; June 24.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,780,281; Nov. 4.
- Tibbetts, Raymond W., Methuen, Mass., assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,744,287; Jan. 21.
- Tibbetts, Robert M., Long Beach, assignor of seventy-two and one-half per cent to W. L. Burrough, and twenty-seven and one-half per cent to D. G. Lorraine, Los Angeles, Calif. Rod rack. 1,776,605; Sept. 23.
- Tice, Francis A. (See Johnston, L., and Tice.)
- Tice Lock-Washer Manufacturing Co. (See Lillig, Nicholas R., assignor.)
- Tice, Percival S., Chicago, Ill. Carburetor. 1,746,094; Feb. 4.
- Tice, Percival S., Chicago, Ill. Pressure-controlled radiator shutter. 1,759,527; May 20.
- Tice, Percival S., Chicago, Ill. Carburetor. 1,776,988; Sept. 30.
- Tickell, Richard H., London, England. Plug for tobacco pipes. 1,756,890; Apr. 29.
- Tickner, Frank W., Sharon, and J. Thomas, assignors to Shenango-Penn Mold Company, Sharpsville, Pa. Mold pattern. 1,749,454; Mar. 4.
- Tidal Oil Company. (See Franks, Harry H., assignor.)
- Tidal Oil Company. (See Hicks, John R., assignor.)
- Tidblad, Anders T., Soderhamn, Sweden. Centering and guiding device. 1,784,321; Dec. 9.
- Tide Water Oil Company. (See Bertschinger, Charles F., assignor.)
- Tide Water Oil Company. (See Haskell, Richard M., assignor.)
- Tidmarsh, Ralph E., Sonora, Calif. Nonglare shield. 1,764,478; June 17.
- Tidy, Barnard J., Port Alice, British Columbia, Canada. Oil burner. 1,749,401; Mar. 4.
- Tiefel, Charles G. (See Bohrer, R. E., Payne, and Tiefel.)
- Tiefel, Charles G., and W. B. Payne, assignors to The Todd Company, Rochester, N. Y. Apparatus for printing negotiable paper. 1,781,739; No. 18.
- Tiefel, Ella M., executrix. (See Bohrer, R. E., Payne, and Tiefel.)
- Tielkemeyer, Henry, St. Louis, Mo. Hot-air furnace. 1,750,824; Mar. 18.
- Tiemann, Otto P., Bloomington, Ill. Seed-corn-testing laboratory. 1,752,513; Apr. 1.
- Tienken, Martha A., New York, N. Y. Hair-waving device. 1,749,748; Mar. 4.
- Tierney, Samuel, jr., Westfield, N. J., assignor to Radio Corporation of America. Vernier adjusting device. 1,772,372; Aug. 5.
- Tierney, Walter, assignor of 10 per cent to C. Hanley, Butte, Mont. Article support. 1,743,694; Jan. 14.
- Tiers, Ellsworth E. (See Griffin, J. H., and Tiers.)
- Tiers, Louis P., Rogers Park, Chicago, Ill., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Conveyor for veneer driers. 1,745,196; Jan. 28.
- Ties, Fred M., Brodhead, Wis. Puddler for tanks of sewage-disposal plants. 1,763,448; June 10.
- Tietjen, Henry. (See Weber, J., and Tietjen.)
- Tietz, Ernest R., Detroit, Mich. Automobile wheel. 1,752,819; Apr. 1.
- Tietze, Ernst. (See Hentrich, W., Hardtmann, and Tietze.)
- Tietze, Ernst. (See Schepss, W., Tietze, and Ossenbeck.)
- Tietze, Paul. (See Martin, K., and Tietze.)
- Tietzmann, Charles, Dayton, Ohio. Light reflector and the like. 1,770,440; July 15.
- Tiffany, Edward L., West Barrington, assignor to National India Rubber Company, Bristol, R. I. Automatic stop motion. 1,761,418; June 3.
- Tiffany, George S., Summit, N. J. Telautograph. 1,770,761; July 15.
- Tiffany, Homer A., Clifton, N. J. Oil-burning apparatus. 1,784,853; Dec. 16.
- Tiffany Manufacturing Company. (See Brogger, Ivar W., assignor.)
- Tiffany Manufacturing Co., The. (See Joyce, Harold L., assignor.)
- Tiffany Manufacturing Company. (See Mason, Carl T., assignor.)
- Tiffany Studios. (See Schwinzer, John R., assignor.)
- Tift, Thomas D. (See Herthel, E. C., and Tift.)
- Tift, Thomas De C. (See Herthel, E. C., and Tift.)
- Tight, Dexter J., assignor to R. N. Nason & Co., San Francisco, Calif. Lacquer. 1,756,528; Apr. 29.
- Tilburn, Albert E., Melbourne, Victoria, Australia. Producing and displaying changeable signs for advertising purposes. 1,785,429; Dec. 16.
- Tilden, Bert O., assignor to B. O. T. Mfg. Company, Trenton, N. J. Water-closet combination. Des. 82,066; Sept. 16.
- Tilden, Bert O., assignor to B. O. T. Mfg. Co., Trenton, N. J. Water-closet bowl. 1,748,197; Feb. 25.
- Tilden, Bert O., assignor to B. O. T. Mfg. Co., Trenton, N. J. Water-closet combination. 1,763,277; June 10.
- Tile and Mantel Contractors Association of America. (See Cole, Harry R., assignor.)
- Tiley, George E., Woodhaven, assignor to General Chemical Company, New York, N. Y. Tank. 1,745,065; Jan. 28.
- Till, Edwin W., Philadelphia, Pa. Boxing glove. 1,746,622; Feb. 11.
- Till, Harris R., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Pressure-responsive device. 1,779,056; Oct. 21.
- Till, Lewis A., New York, N. Y. Chair. Des. 80,295; Jan. 7.
- Tillberg, Charles, Chicago, Ill. Door-operated signal. 1,783,267; Dec. 2.
- Tiller, George E., Sioux City, Iowa. Oil burner. 1,756,226; Apr. 29.
- Tilley, George S., Mill Valley, Calif. Recovery of vanadium from complex solutions. 1,747,403; Feb. 18.
- Tilling-Stevens Motors Limited. (See Whitehorn, Harold K., assignor.)
- Tillman, Ferdinand J., St. Louis, Mo., assignor to Remington Rand Inc., New York, N. Y. Card finding and separating device. 1,745,066; Jan. 28.
- Tillotson, James, jr., assignor to The Jamestown Radio Cabinet Corporation, Jamestown, N. Y. Radiatable. Des. 80,588; Feb. 25.
- Tillotson Manufacturing Company, The. (See Brockway, Carl P., assignor.)
- Tillotson Manufacturing Company, The. (See McKinley, Charles W., assignor.)
- Tillquist, Hugo T. (See Fagerlund, Erick A., assignor.)
- Tillquist, Hugo T. (See Fagerlund, E. A., and Lofgren, assignors.)
- Tillson, Edwin D., Evanston, assignor to Somerville W. Thompson, trustee, Chicago, Ill. Indirect-lighting fixture. 1,762,565; June 10.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. Re17,887; Nov. 25.
- Tilssner, Charles, Oglesby, Ill. Wheel, pulley, and gear puller. 1,756,891; Apr. 29.
- Tilton & Cook Co. (See Laverdiere, Arthur J., assignor.)
- Tilton & Cook Co. (See Osgood, Frederick M., assignor.)
- Tilton, Edwin W., Haverhill, Mass., assignor to L. L. Cowan. Ballet slipper and making the same. 1,746,019; Feb. 4.
- Timberlake, Eva M. (See Timberlake, George B., assignor.)
- Timberlake, George B., assignor to E. M. Timberlake, Pine Lawn, Mo. Wall construction and hollow blocks therefor. 1,772,057; Aug. 5.
- Timberlake, Journey F., Charlottesville, Va. Broom. 1,756,404; Apr. 29.
- Timberlake, Paul J., Jackson, Mich. Drying form. 1,770,869; July 15.
- Timblin, William S., River Forest, Ill. Umbrella. 1,752,820; Apr. 1.
- Timblin, William S., River Forest, Ill. Umbrella. 1,752,821; Apr. 1.
- Timbs, Edward, Los Angeles, Calif., assignor to The National Supply Company of Delaware, New York, N. Y. Two-post, three-speed, three-shaft large-drum draw works. 1,760,184; May 27.
- Timbs, Edward, Los Angeles, and L. E. Zerbe, Moneta, Calif., assignors to The National Supply Company of Delaware, New York, N. Y. Slush-pump water-pressure shock absorber and blow-off valve. 1,776,937; Sept. 30.

- Timbs, Edward, Los Angeles, and L. E. Zerbe, Moneta, Calif., assignors to The National Supply Company of Delaware, New York, N. Y. Two-post, two-speed, three-shaft portable draw works. 1,783,988; Dec. 9.
- Time-O-Stat Controls Company. (See Bogle, John C., assignor.)
- Time-O-Stat Controls Company. (See Crambley, Paul K., assignor.)
- Time-O-Stat Controls Company. (See Culp, George K., assignor.)
- Time-O-Stat Controls Company. (See Gauger, F. A., and Johnson, assignors.)
- Time-O-Stat Controls Company. (See Hotchkiss, Clifford, assignor.)
- Time-O-Stat Controls Company, The. (See Johnson, Roy W., assignor.)
- Time-O-Stat Controls Company. (See Koch, L. E. and Dever, assignors.)
- Time-O-Stat Controls Company. (See Leach, Edgar J., assignor.)
- Time-O-Stat Controls Company. (See Phelan, Louis A. M., assignor.)
- Time-O-Stat Controls Company. (See Phelan, L. A. M., and Hotchkiss, assignors.)
- Time Saver Mfg. Co. (See Nelson, Otto, assignor.)
- Time Systems Company. (See Fulton, Rolland S., assignor.)
- Timian, Harold H., assignor to Wheeler-Schebler Carburetor Company, Indianapolis, Ind. Duplex carburetor system. 1,763,726; June 17.
- Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
- Timken-Detroit Axle Company, The. (See Alden, H. W., and Brownier, assignors.)
- Timken-Detroit Axle Company, The. (See Brownier, Nelson R., assignor.)
- Timken-Detroit Axle Company, The. (See Buckendale, Laurence R., assignor.)
- Timken-Detroit Axle Company, The. (See Morgan, Mathew B., assignor.)
- Timken-Detroit Axle Company, The. (See Trbojevich, Nikola, assignor.)
- Timken-Detroit Company, The. (See Powers, Milton A., assignor.)
- Timken Roller Bearing Company, The. (See Ackerman, Paul C., assignor.)
- Timken Roller Bearing Company, The. (See Boden, Ernest G., assignor.)
- Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
- Timken Roller Bearing Company, The. (See Curtis, George W., assignor.)
- Timken Roller Bearing Company, The. (See Drowns, Irvin, assignor.)
- Timken Roller Bearing Company, The. (See Frank, Pardee H., assignor.)
- Timken Roller Bearing Company, The. (See Horger, Oscar J., assignor.)
- Timken Roller Bearing Company, The. (See Klamp, P., and Woolley, assignors.)
- Timken Roller Bearing Company, The. (See Maag, O. L., and Maratta, assignors.)
- Timken Roller Bearing Company, The. (See Sanders, Walter C., assignor.)
- Timken Roller Bearing Company, The. (See Sanders, W. C., and Hektner, assignors.)
- Timken Roller Bearing Company, The. (See Scribner, William L., assignor.)
- Timken Roller Bearing Company, The. (See Streby, Ray D., assignor.)
- Timm, Ezra. (See Westberg, R., and Timm.)
- Timm, Henry, Saxeville, Wis. Potato gatherer for potato diggers. 1,784,209; Dec. 9.
- Timme, Adalbert, Rome, Italy, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Measured-service telephone system. 1,744,593; Jan. 21.
- Timmer, Friedrich E. (See Allen, R. M., and Timmer.)
- Timmons, Charles W., Lapel, Ind. Alarm switch for automobiles, safes, and the like. 1,767,326; June 24.
- Timmons, John S., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Phone unit. 1,748,806; Feb. 25.
- Timmons, Levin B., Providence, R. I. Knife rack. 1,746,503; Feb. 11.
- Timmons, William H., Jackson, Tenn. Battery-lifting device. 1,758,480; May 13.
- Timoney, Andrew J., assignor of one-half to H. Williams and G. Durkin, New York, N. Y. Motion-picture-projecting device. 1,753,222; Apr. 8.
- Timson, William, assignor to W. & T. Avery Limited, Birmingham, England. Automatic and semiautomatic weighing scale. 1,778,006; Oct. 7.
- Timtiman, Mamerto V., Manila, P. I. Receiving set. 1,750,032; Mar. 11.
- Tin Decorating Company of Baltimore, The. (See Hermani, Henry, assignor.)
- Tinaglia, Settimo, Chicago, Ill. Container for plants. 1,743,987; Jan. 14.
- Tindal, Irby, Greenville, Ala. Starter switch. 1,755,850; Apr. 22.
- Tingle, J. Grady. (See Bentley, Warren H., assignor.)
- Tingley, Bruce H., assignor to Ohmer Fare Register Company, Dayton, Ohio. Weighing counter. 1,749,788; Mar. 11.
- Tinker, Frank, Streetly, Cutton Coldfield, England, assignor to Sinclair Refining Company, New York, N. Y. Distillation of crude oils. 1,779,222; Oct. 21.
- Tinker, Herbert W. (See Hansen, F. D., and Tinker.)
- Tinker, James J., San Diego, Calif. Amalgamator. 1,750,868; Mar. 18.
- Tinnerholm, Arthur R., Scotia, N. Y., assignor to General Electric Company. Machine for splitting mica. 1,771,943; July 29.
- Tinnerman, Albert H., Cleveland, Ohio. Thermostatic control for stove ovens. 1,764,765; June 17.
- Tinney, Thomas R., Conneaut, assignor, by mesne assignments, to M. A. Luff, Cleveland Heights, Ohio. Plumbing connection means. 1,774,247; Aug. 26.
- Tinsley, Edward O., assignor to Robert Gair Company, New York, N. Y. Shipping and display carton. 1,748,256; Feb. 25.
- Tinsley, John F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft-replenishing looms. 1,766,850; June 24.
- Tinsley, John F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Resilient thread holder for weft-replenishing looms. 1,766,851; June 24.
- Tinsley, John F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin support for weft-replenishing looms. 1,786,680; Dec. 30.
- Tinsley Rolling Mills Company Limited, The. (See Pinches, Arthur E., assignor.)
- Tips Tool Company. (See Bodendieck, Henry W., assignor.)
- Tirpak, Joseph E., Passaic, N. J. Visor for motor vehicles. 1,745,197; Jan. 28.
- Tischler, Max, assignor to Reflex Engineering Corporation, Newark, N. J. Plug switch. 1,742,834; Jan. 7.
- Tisdale, Leo S., New Albany, Miss. Internal-combustion engine. 1,784,712; Dec. 9.
- Tise, Thomas H., Winston-Salem, N. C. Reinforced floor construction. 1,776,572; Sept. 23.
- Tishken, Paul, Detroit, Mich. Garage-door brace. 1,773,209; Aug. 19.
- Tissot, Henri G., West Oakland, Calif. Lifting attachment for aeroplane wings. 1,755,342; Apr. 22.
- Titanafram Corporation. (See Hopkins, Marcus C., assignor.)
- Titania Corporation. (See Fitzgerald, F. A. J., and Kelleher, assignors.)
- Titania Corporation. (See von Bichowsky, Foord, assignor.)
- Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)
- Titanium Pigment Co. (See Schnetka, Moritz, assignor.)
- Titanium Pigment Company Inc. (See Farup, Peder, assignor.)
- Titcomb, Fred E., Cleveland, Ohio. Barber's tool chest. 1,763,488; June 10.
- Titcomb, Lee R., Brooklyn, N. Y. Driving unit for loud speakers. 1,774,855; Sept. 2.
- Titgen, Harry W., Glenside, Pa. Combined sand-blast equipment. 1,747,884; Feb. 18.
- Titgen, Harry W., Glenside, Pa. Tumbling-mill structure. 1,765,291; June 17.
- Tition, Joseph E., Kenmore, assignor to The Miller Rubber Co., Akron, Ohio. Making molds. 1,755,038; Apr. 15.
- Titlestad, Nicolay. (See Hechenbleikner, I., and Titlestad.)
- Titmas Company. (See Titmas, R. W., and Hickish, assignors.)
- Titmas, Reginald W., London, England, and R. S. Hickish, La Ceiba, Spanish Honduras, Central America, assignors to Titmas Company, Inc., New Orleans, La. Oil burner. 1,774,953; Sept. 2.
- Titren, Gerald E., Johannesburg, South Africa, assignor of one-half to Middletown Car Company, one-half to Baldwin Locomotive Works. Railroad car. 1,773,763; Aug. 26.
- Tittemore, Cyril L., San Francisco, Calif. Spray gun. 1,743,292; Jan. 14.
- Tittemore, Frank A., and C. S. Renwick, Richmond, assignors to Hopkins Spray Equipment Company, San Francisco, Calif. Paint and lacquer spray gun. 1,751,608; Mar. 25.
- Titterington, George A., executor. (See Titterington, Morris M.)
- Titterington, Morris M., deceased; G. A. Titterington, executor, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Rotary coil compass. 1,770,243; July 8.
- Titterington, Morris M., assignor, by mesne assignments, to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Aircraft steering system. 1,770,244; July 8.
- Titterington, Morris M., deceased; G. A. Titterington, executor, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Earth inductor compass. 1,770,245; July 8.
- Titterington, Morris M., deceased; G. A. Titterington, executor, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Compass direction controller. 1,770,246; July 8.
- Titterington, Morris M., deceased; G. A. Titterington, executor, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Inductor-compass generator. 1,770,247; July 8.
- Titterington, Morris M., deceased; G. A. Titterington, executor, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Windmill. 1,770,328; July 8.

- Titterington, Morris M., Brooklyn, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,770,762; July 15.
- Titterington, Morris M., Brooklyn, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Power press. 1,779,151; Oct. 21.
- Tittle, Walter, Philadelphia, Pa. Dispensing device. 1,767,491; June 24.
- Titus, Harry W. (See Herrick, H. T., May, and Titus.)
- Titus, Hubert J., and J. S. Wallis, Paterson, N. J., assignors to Franklin Railway Supply Company, New York, N. Y. Limited-cut-off steam engine. 1,769,809; July 1.
- Titus, Leon D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Capping apparatus. 1,763,020; June 10.
- Titus, Robert R. (See Taylor, J. M., Jacobs, and Titus.)
- Tjaarda, John J. (See Earl H. J., Pew, and Tjaarda.)
- Tjofdat, Gerald B., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,763,200; June 10.
- Toadvine, Ernest W., Los Angeles, Calif. Facial ice packer. 1,744,423; Jan. 21.
- Tobacco By-Products & Chemical Corporation. (See Arnold, R. B., and Hixon, assignors.)
- Tobacco By Products & Chemical Corporation. (See McConnell, Henry K., assignor.)
- Tobacco Perfecting Corporation, et al. (See Hopkins, Nevil M., assignor.)
- Tobias, Wilfred R., Los Angeles, Calif. Roof. 1,764,479; June 17.
- Tobin, Kenneth J. (See Beauchamp, W. A., and Tobin.)
- Tobin, Kenneth J. (See Ekland, C. E., and Tobin.)
- Tobin, Kenneth J. (See Madland, G., and Tobin.)
- Tobin, Kenneth J. (See Wasberg, A., and Tobin.)
- Tobin, Kenneth J., assignor to Camel Company, Chicago, Ill. House-car end door. 1,746,917; Feb. 11.
- Tobin, Kenneth J., assignor to Camel Company, Chicago, Ill. Door-operating mechanism. 1,748,257; Feb. 25.
- Tobin, Kenneth J., W. A. Beauchamp, and C. R. Vegren, assignors to Camel Company, Chicago, Ill. Securing means. 1,768,170; June 24.
- Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Side-door construction. Re27,812; Sept. 23.
- Tobin, Kenneth J., and F. C. Heinen, Chicago, Ill., and J. P. McWilliams, Cleveland, Ohio, assignors to Camel Company, Chicago, Ill. Car construction. 1,742,835; Jan. 7.
- Tobler, Werner, assignor to Sülzer Frères Société Anonyme, Winterthur, Switzerland. Cooling of reciprocating pistons. 1,748,807; Feb. 25.
- Tobler, Werner, assignor to the firm of Sulzer Frères Société Anonyme, Winterthur, Switzerland. Two-stroke internal-combustion engine. 1,773,413; Aug. 19.
- Tobold, Ewald F., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Quick-detachable dust cap. 1,749,170; Mar. 4.
- Tod, Erich. (See Moser, W., and Tod.)
- Todd, Augustus H., Fleischmanns, N. Y. Priming chamber for pump lines. 1,761,504; June 3.
- Todd, Charles O., assignor to The Wilson Fastener Company, Cleveland, Ohio. Display box. 1,762,900; June 10.
- Todd, Charles W., Schenectady, N. Y. Journal bearing for railroad vehicles. 1,775,413; Sept. 9.
- Todd Company, The. (See Bohrer, R. E., Payne, and Tiefel, assignors.)
- Todd Company, The. (See Payne, Walter B., assignor.)
- Todd Company Inc., The. (See Payne, W. B., Bohrer, and Fuhlborn, assignors.)
- Todd Company, The. (See Smith, Burgess W., assignor.)
- Todd Company, The. (See Tiefel, C. G., and Payne, assignors.)
- Todd, Ernest G., Brussels, Belgium. Mill for grinding paints, inks, enamels, and other viscous materials. 1,787,180; Dec. 30.
- Todd, Harry L., Los Angeles, Calif. Desk protector. Des. 81,032; Apr. 22.
- Todd, Horris W., Drumright, Okla. Reversing and speed-regulating mechanism for steam engines. 1,770,441; July 15.
- Todd, Joseph. (See Dobbie, J. T., and Todd.)
- Todd, Russell T., Warren, Ohio, assignor to The Taylor-Winfield Corporation. Electrical welding machine. 1,750,442; Mar. 11.
- Todd, Ulysess G. (See Nichols, E. B., and Todd.)
- Todd, Ulysess G., assignor to The Pfaudler Co., Rochester, N. Y. Pump. 1,766,852; June 24.
- Todd, Ulysess G., assignor to The Pfaudler Co., Rochester, N. Y. Pumping apparatus. 1,766,853; June 24.
- Todd, Ulysess G., assignor to The Pfaudler Co., Rochester, N. Y. Liquid-extracting means. 1,767,625; June 24.
- Todd, William C., Victoria, British Columbia, Canada, assignor to Economy Irrigation Company, Inc., Seattle, Wash. Sprinkler. 1,764,910; June 17.
- Toegel, Herbert J., Elizabeth, assignor to Splittdorf Electrical Company, Newark, N. J. Electric pick-up for phonograph records. 1,785,157; Dec. 16.
- Toensfeldt, Kurt. (See Jackson, G. P., Toensfeldt, and Steele.)
- Toft, George W., Mountain View, Calif. Spring cover. 1,743,293; Jan. 14.
- Tokheim, John J., Cedar Rapids, Iowa. Gasoline-dispensing device. 1,763,544; June 10.
- Tokheim Oil Tank and Pulp Company. (See Eilers, Frank B., assignor.)
- Tokita, Kamekichi, Seattle, Wash. Syringe. 1,762,430; June 10.
- Told, Arnold H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Rail anchor. 1,753,223; Apr. 8.
- Tolectro Corporation. (See Roesch, George R., assignor.)
- Toledo Automatic Brush Machine Company, The. (See Scott, Earle B., assignor.)
- Toledo Machine & Tool Company, The. (See Dorman, Neal W., assignor.)
- Toledo Machine & Tool Company, The. (See Dorman, N. W., Schloz, and Hatch, assignors.)
- Toledo Machine & Tool Company, The. (See Treer, Ross B., assignor.)
- Toledo Pipe Threading Machine Company, The. (See Vosper, William W., assignor.)
- Toledo Scale Company. (See Brumser, Henry M., assignor.)
- Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
- Toledo Scale Company. (See Hem, Halvor O., assignor.)
- Toledo Scale Company. (See Hurt, Samuel N., assignor.)
- Toledo Scale Company. (See Osgood, Louis A., assignor.)
- Toledo Scale Company. (See Reeves, Orwell C., assignor.)
- Toledo Scale Company. (See Theobald, John L., assignor.)
- Toledo Scale Company. (See Thomas, Edward G., assignor.)
- Toledo Scale Company. (See Ulrich, Edward F., assignor.)
- Toledo Scale Company. (See Wetzel, Lewis C., assignor.)
- Toledo Scale Company. (See Zinke, C. J., and Reeves, assignors.)
- Toledo Scale Manufacturing Company. (See Hurt, Samuel N., assignor.)
- Toledo Steel Tube Company, The. (See Nowakowski, Albert J., assignor.)
- Toleik, John A., West Orange, N. J., assignor to American Can Company, New York, N. Y. Electric welding. 1,773,892; Aug. 26.
- Tolentino, José S., et al. (See Gambito, N., and Sumabat, assignors.)
- Tolhurst Machine Works, Inc. (See Bryson, Tandy A., assignor.)
- Tolhurst Machine Works, Inc. (See Bryson, T. A., and McKeon, assignors.)
- Tolhurst Machine Works, Inc. (See McKeon, John J., assignor.)
- Tölke, Friedrich. (See Probst, E., and Tölke.)
- Tollagen, Olaf, Chicago, Ill., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis. Self-basting cover. 1,755,800; Apr. 22.
- Tolley, Donald B., assignor to American Steel Products Co., Macomb, Ill. Oil-burning brooder. 1,749,990; Mar. 11.
- Tolley, Donald B., assignor to American Steel Products Co., Macomb, Ill. Check-draft damper and soot eliminator for heaters. 1,764,370; June 17.
- Tolmach, Samuel, New York, N. Y. Toothbrush. 1,779,057; Oct. 21.
- Tolman, Charles P., Kew Gardens, N. Y., assignor, by mesne assignments, to Petroleum Conversion Corporation, New York, N. Y. Apparatus for the distillation of solid materials. 1,773,893; Aug. 26.
- Tolman, Edgar B., jr., Chicago, Ill. Material-retaining gate. 1,746,410; Feb. 11.
- Tolman, Edgar B., jr., Chicago, Ill. Storage tank. 1,760,094; May 27.
- Tolman, Edgar B., jr., Chicago, Ill. Conveyer. 1,772,881; Aug. 12.
- Tolman, Edgar B., jr., and H. Brueckler, assignors to United Conveyer Corporation, Chicago, Ill. Pneumatic conveyer apparatus. 1,781,352; Nov. 11.
- Tollmann, Jerry, assignor of one-half to F. C. Henning, Chicago, Ill. Hedge clipper. 1,775,627; Sept. 9.
- Tolson, William A., Rexford, N. Y., assignor to General Electric Company. Signaling system. 1,784,645; Dec. 9.
- Toman, E. & Co. (See Toman, Edward, assignor.)
- Toman, Edward, assignor to E. Toman & Co., Chicago, Ill. Electric pick up device. 1,786,042; Dec. 23.
- Tomann, Honore, Lille, France. Rapidly destarching fibers or fabrics. 1,771,828; July 29.
- Tomasevich, Nicholas, Cleveland, Ohio. Astronomical clock. 1,770,820; July 15.
- Tomashek, William M., assignor to Winona Attrition Mill Company, Winona, Minn. Burr plate. 1,782,372; Nov. 18.
- Tomec, John, Trenton, N. J., assignor to W. & J. Sloane Manufacturing Company. Ornamental surface covering. 1,774,736; Sept. 2.
- Tomec, John, and F. Cubrda, Trenton, N. J., assignors to W. & J. Sloane Manufacturing Company. Inlaid linoleum and producing same. 1,752,402; Apr. 1.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,458; Feb. 4.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,459; Feb. 4.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,460; Feb. 4.

- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,461; Feb. 4.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,462; Feb. 4.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,463; Feb. 4.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,464; Feb. 4.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,465; Feb. 4.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,466; Feb. 4.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,467; Feb. 4.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,468; Feb. 4.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,469; Feb. 4.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,552; Feb. 18.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,553; Feb. 18.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,754; Mar. 18.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,755; Mar. 18.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,756; Mar. 18.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,757; Mar. 18.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 80,977; Apr. 15.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 81,603; July 15.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 81,604; July 15.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 81,856; Aug. 19.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 81,857; Aug. 19.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 81,858; Aug. 19.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 82,459; Nov. 4.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 82,460; Nov. 4.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 82,461; Nov. 4.
- Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 82,858; Dec. 16.
- Tomkins, Stirling, South Nyack, N. Y. Belt. 1,780,954; Nov. 11.
- Tomkins, Walter M., San Francisco, Calif., assignor to Continental Can Company, Inc., New York, N. Y. Nested can body and method therefor. 1,765,182; June 17.
- Tomkinson, Charles C., Plainfield, N. J., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Setting tool for bolt anchors. 1,746,326; Feb. 11.
- Tomkinson, Charles C., Plainfield, N. J., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Door mechanism. 1,754,841; Apr. 15.
- Tomkinson, Charles C., Plainfield, and H. P. Van Cleave, Cranford, N. J., assignors, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Door-closure mechanism. 1,768,722; July 1.
- Tomlin, James H., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding articles. 1,764,662; June 17.
- Tomlinson, Albert H., (See Loomis, N. E., Tomlinson, and Howard.)
- Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Deenergizing circuit for coupled cars. 1,761,419; June 3.
- Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)
- Tomlinson, Henry. (See Thexton, J., jr., and Tomlinson.)
- Tomlinson, Julian D., College Place, Wash. Crack filler. 1,783,683; Dec. 2.
- Tomonaga, Tetsuo, Deal, N. J. Cigar case. 1,781,089; Nov. 11.
- Tompkins, Caroline, Washington, D. C. Facial cleanser. 1,746,877; Feb. 11.
- Tompkins, John L., Corpus Christi, Tex. Vehicle parking means. 1,771,695; July 29.
- Toms, Barney, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay loader. 1,768,171; June 24.
- Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Hub cap. Des. 80,710; Mar. 11.
- Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Hub cap. Des. 80,711; Mar. 11.
- Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Hub cap. Des. 82,594; Nov. 18.
- Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Vehicle seat. 1,769,242; July 1.
- Toncray, Millard H., Detroit, and J. W. Greig, Grosse Pointe Park, assignors to Hudson Motor Car Company, Detroit, Mich. Cow ventilator. 1,743,503; Jan. 14.
- Tone, Albert, Mesa, Ariz. Folding table and cabinet for automobiles. 1,778,990; Oct. 21.
- Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Surfacing apparatus. 1,765,808; June 24.
- Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Furnace-wall structure. 1,775,414; Sept. 9.
- Tonelli, Ethel, Fall River, assignor to The Pairpoint Corporation, New Bedford, Mass. Sheet-winding machine. 1,765,779; June 24.
- Toner, Glen F. (See Roth, S. A., and Toner.)
- Tonger, Marvin C. (See Lasley, Robert E., assignor.)
- Tongue, R. E., & Brothers Company. (See Tongue, Richard E., sr., assignor.)
- Tongue, Richard E., sr., assignor to R. E. Tongue & Brothers Company, Inc., Philadelphia, Pa. Lamp chimney. 1,772,272; Aug. 5.
- Tönhardt, Walter, Neumunster, Germany. Hand excavator. 1,761,503; June 3.
- Tonnellier, John E., New York, N. Y. Wall. 1,753,451; Apr. 8.
- Tontrup, Robert H., jr. (See Brown, C. S., and Tontrup.)
- Toohy, John S., and M. E. Erskine, assignors to Racine Tool & Machine Company, Racine, Wis. Metal-sawing machine. 1,765,316; June 17.
- Tooker, John N., and J. F. Harley, assignors to Arkell & Smiths, Canajoharie, N. Y. Method of and machine for use in the manufacture of bags. 1,746,623; Feb. 11.
- Tooker, William W., Wichita, Kans. Trunk attachment. 1,747,959; Feb. 18.
- Tool, Harold W., Murdock, Nebr. Corncob container. 1,765,111; June 17.
- Tool, Harold W., Murdock, Nebr. Animal chute for automobile trucks. 1,782,554; Nov. 25.
- Toolan, John J. (See Gollnick, P. A., Toolan, and Harred.)
- Toolan, John J. (See Gollnick, P. A., Toolan, and Harred.)
- Toole, John P., assignor to Carl E. Schmidt & Company, Detroit, Mich. Manufacturing leather. 1,752,042; Mar. 25.
- Toomey, Richard E. S., and J. C. Evans, assignors to S. G. Morrow, trustee, Miami, Fla. Airplane appliance. 1,749,858; Mar. 11.
- Topal, Harry W., New York, N. Y. Bag or purse. 1,747,801; Feb. 18.
- Topazzi, Antonio, Stapleton, N. Y. Cabinet. 1,746,972; Feb. 11.
- Tope, Vincent, Sharpsville, Pa. Ingot-mold flask. 1,750,734; Mar. 18.
- Topeka Tent & Awning Company. (See Anton, F. A., and Harvey, assignors.)
- Topeka Tent & Awning Co. (See Foster, Thomas H., assignor.)
- Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last lathe. 1,753,391; Apr. 8.
- Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,753,452; Apr. 8.
- Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Copying lathe. 1,773,328; Aug. 19.
- Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Preparation of shoe uppers. 1,774,620; Sept. 2.
- Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Driving and stopping mechanism. 1,774,737; Sept. 2.
- Topping, John A., Bronxville, N. Y. Roofing cleat. 1,761,599; June 3.
- Topping, John A., Bronxville, N. Y. Shingle or similar article. Des. 81,768; Aug. 5.
- Torain, John N. (See Barrow, Frank V., assignor.)
- Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Ink-fountain drive. 1,785,158; Dec. 16.
- Torbett, William C., Waco, Tex. Brush for cotton gins. 1,769,869; July 1.
- Torgersen, Dag, Oslo, Norway. Work holder especially for knitting machines for mending knitted, woven, or similar articles. 1,751,956; Mar. 25.
- Torgerson, Theodore L., Oroville, Calif. Adjustable door hinge. 1,782,490; Nov. 25.

- Tormyn, Herman, assignor to General Motors Corporation, Detroit, Mich. Flash-shearing machine. 1,756,918; Apr. 29.
- Tornavacca, Benjamin. (See Ruatti, Joseph B., assignor.)
- Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Pneumatic ladle pump. 1,773,799; Aug. 26.
- Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Doubledeck driving arrangement for printing presses. 1,774,772; Sept. 2.
- Tornblom, Nils A. (See Anderson, E. G. K., and Tornblom.)
- Torndahl, Per W., Stockholm, Sweden. Pan for serving food. 1,773,506; Aug. 19.
- Törnebohm, Hilding V., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Radius-template-grinding machine. 1,780,211; Nov. 4.
- Törneman, Yngve, and A. Å. Anjou, Surahammar, Sweden. Firing apparatus. 1,744,248; Jan. 21.
- Tornquist, Walter E., Hoquiam, Wash. Hoisting tongs. 1,782,326; Nov. 18.
- Torok, Atilla S., Cumberland, Md. Governor attachment. 1,781,610; Nov. 11.
- Toronto Type Foundry Company, Limited. (See Palmer, Ernest E., assignor.)
- Torr, Francis P., et al. (See Winning, John F. F., assignor.)
- Torrabadella, Pedro, Concepcion Del Uruguay, Argentina. System of television. 1,764,232; June 17.
- Torrance, Francis C., Erie, Pa., assignor to Erie Hydraulic Manufacturing Company. Hydraulic jack. 1,745,067; Jan. 28.
- Torrence, Jo M. (See Torrence, Leo M., assignor.)
- Torrence, Leo M., Arrington, Kans., assignor to J. M. Torrence, Arlington, Kans. Traffic signal. 1,758,481; May 13.
- Torrent, John, Muskegon, Mich. Screen for automobile windows and the like. 1,756,227; Apr. 29.
- Torres, Aurelio R., Duarte, assignor of one-third to A. F. Tabernilla, Los Angeles, Calif. Dish-washing machine. 1,748,530; Feb. 25.
- Torrey, F. L., and Company. (See Kerkhoff, Joseph, assignor.)
- Torrey, James A. (See Christy, F. W., and Torrey.)
- Torrey, Lucien L., Los Angeles, Calif. Refrigerating apparatus. 1,779,833; Oct. 28.
- Torriani, Angelo, Pavia, Italy. Express coffee-machine set. 1,750,068; Mar. 11.
- Torsion Balance Company, The. (See Seyter, William C., assignor.)
- Torson, Martin G., Kansas City, Kans. Signaling system for automobiles. 1,756,108; Apr. 29.
- Toscano, Arcangelo, New York, N. Y. Nautical cylinder or tube. 1,782,155; Nov. 18.
- Tosi, Charles A., Ridgewood, N. J., assignor to P. Pastene & Co., Inc., Boston, Mass. Bottle. Des. 81,898; Aug. 26.
- Tost, Charles R., Centerdale, assignor to The Hadley Company, Providence, R. I. Wrist-watch bracelet. 1,756,769; Apr. 29.
- Tost, Charles R., Centerdale, assignor to The Hadley Company, Providence, R. I. Fastener for watch bracelets. 1,760,384; May 27.
- Tost, Charles R., Centerdale, assignor to The Hadley Company, Providence, R. I. Bracelet attachment. 1,768,868; July 1.
- Toth, Alvin S., Cleveland, Ohio. Toy. 1,742,737; Jan. 7.
- Toth, Louis, New York, N. Y. Combined fountain pen and blotter. 1,769,321; July 1.
- Toth, Steven, Perris, Calif. Disk plow. 1,780,955; Nov. 11.
- Totten, Harry A., Burlingame, assignor to Transit Mixers, Inc., San Francisco, Calif. Concrete-mixing apparatus. 1,780,956; Nov. 11.
- Totty, Robert A., Petersburg, Va. Lock for wardrobe trunks. 1,748,003; Feb. 18.
- Totzek, Fritz, Stoppenberg near Essen-on-the-Ruhr, Germany. Coke-oven wall structure. 1,782,638; Nov. 25.
- Touchelay, René, La Calle, Algeria. Automatic thermic ignition device for internal-combustion engines. 1,768,382; June 24.
- Tourjee, William O. (See Buchanan, W. C., and Tourjee.)
- Tournier, Edward P. (See Houts, G. J., Tournier, and Wulff.)
- Tourtois, Fernand, assignor to Coty, Inc., New York, N. Y. Bottle stopper. Des. 80,758; Mar. 18.
- Tourtois, Fernand, assignor to Coty, Inc., New York, N. Y. Box or similar article. Des. 81,033; Apr. 22.
- Tourtois, Fernand, assignor to Coty, Inc., New York, N. Y. Nailbrush. Des. 82,193; Sept. 30.
- Tourtois, Fernand, assignor to Coty, Inc., New York, N. Y. Brush. 1,773,651; Aug. 19.
- Tout, Anna E., Oakland, Calif. Picture mounting. 1,769,243; July 1.
- Tovey, George H., Lansdowne, and C. Thumim, Philadelphia, Pa., assignors to General Electric Company. Electric switch. 1,752,127; Mar. 25.
- Tower, Elmer V. J., North Syracuse, N. Y., assignor to Russell Manufacturing Company, Middletown, Conn. Steering wheel. 1,761,374; June 3.
- Tower, Francis E., assignor to Gordon Hollow Blast & Grate Company, Greenville, Mich. Trimming machine. 1,761,096; June 3.
- Tower, Frank S., Boston, Mass. Bottled-water-dispensing device. 1,754,377; Apr. 15.
- Tower, Harold L., Greenville, Mich. Internal-combustion engine. 1,771,552; July 29.
- Tower Manufacturing Co. (See Merrill, Hamilton, assignor.)
- Towers, John H., Balsam Lake, Wis. Dead-center device. 1,753,485; Apr. 8.
- Towle Aircraft Company, The. (See Towle, Tom, assignor.)
- Towle Manufacturing Company. (See Nock, Harold E., assignor.)
- Towle, Tom, assignor to The Towle Aircraft Company, Detroit, Mich. Airplane-wing construction. 1,751,957; Mar. 25.
- Towler, Mary E., Lampasas, Tex. Cap for automobile radiators. 1,774,070; Aug. 26.
- Towne, Amos C. (See Vock, W. A., and Towne.)
- Towne, Archie C. (See Brown, W. R., and Towne.)
- Towne, Benjamin, New York, N. Y. Crayon and eraser holder. 1,750,912; Mar. 18.
- Towne, Charles A., Tulsa, Okla. Combination rod and tubing fishing tool. 1,778,968; Oct. 21.
- Towne, E. S., et al., trustees. (See Schade, John.)
- Towne, F. B., et al., trustees. (See Schade, John.)
- Towne, Frederick T., et al. (See Grover, George E., assignor.)
- Towne, J. M., et al., trustees. (See Schade, John.)
- Townend, Robert V. (See Stoddard, W. B., Townend, and Kokatnur.)
- Towner, Heber F., deceased, Santa Ana, Calif.; P. G. Beissel, executor, assignor to B. V. Curry, trustee. Disk cultivator. 1,762,844; June 10.
- Towner, Heber F., deceased, Santa Ana, Calif.; P. G. Beissel, executor, assignor to B. V. Curry, trustee. Hitch. 1,775,297; Sept. 9.
- Townley, Philip B. (See Townley, Stephen B. and P. B., and Laing.)
- Townley, Stephen B., Newark, P. B. Townley, Rumson, and W. Laing, Montclair, N. J., assignors to Paas Dye Company. Packing and display box. 1,753,954; Apr. 8.
- Townsend, Albert J., Lima, Ohio. Locomotive and method of operation. 1,772,118; Aug. 5.
- Townsend, Arthur J. (See Naugle, H. M., and Townsend.)
- Townsend, Arthur J., Canton, and E. S. Miller, Elyria, assignors, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Automatic shears. 1,784,556; Dec. 9.
- Townsend, Charlie J., Pocatello, Idaho. Fishhook holder. 1,755,903; Apr. 22.
- Townsend, Elvin E., Watsonville, Calif. Speedometer-testing machine. 1,782,914; Nov. 25.
- Townsend, Frank B., assignor of one-half to J. E. McMath, Penn Yan, N. Y. Basket handle. 1,781,611; Nov. 11.
- Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Control system and apparatus. 1,755,139; Apr. 15.
- Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Circuit-controlling device. 1,787,292; Dec. 30.
- Townsend, H. P., Company, The. (See Townsend, Harry P., assignor.)
- Townsend, Harry P., Hartford, Conn. Screw-threading machine. 1,763,635; June 10.
- Townsend, Harry P., West Hartford, assignor to The H. P. Townsend Company, Hartford, Conn. Machine for cutting multiple threads on wood screws. 1,761,243; June 3.
- Townsend, James R. (See Johnston, John, jr., assignor.)
- Townsend, John R., South Bend, Ind., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Traffic-signal device. 1,764,426; June 17.
- Townsend, Ralph H. (See Hawley, J. B., and Townsend.)
- Townsend, Ralph H., Mount Vernon, N. Y., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Sound recording and reproducing apparatus. 1,765,889; June 24.
- Townsend, William S., Rochester, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid-dispensing mechanism. 1,778,738; Oct. 21.
- Townsend, William S., and W. H. Parker, Rochester, Pa., assignors, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid-dispensing arrangement. 1,752,934; Apr. 1.
- Townsend, William W., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Casing of a liquid-dispensing apparatus. Des. 81,605; July 15.
- Towsley, John T., Manufacturing Company. (See Pfau, William F., assignor.)
- Towy, Lillian, Inglewood, Calif. Milk-bottle cap. 1,786,140; Dec. 23.
- Toyoshima, Chusaburo, Los Angeles, Calif. Device for making plant covers. 1,748,808; Feb. 25.
- Toy Tinkers, Inc., The. (See Pajean, Charles H., assignor.)
- Tozier, George H., assignor to Eastman Kodak Company, Rochester, N. Y. Reducing the viscosity of nitrocellulose. 1,757,491; May 6.
- Tozier, Grey H., assignor to Trolling Supply Company, Seattle, Wash. Fishing spoon. 1,769,083; July 1.
- Trabold, Frank W., Alliance, Ohio. Rolling metal articles. 1,743,008; Jan. 7.
- Trabuc, Charles C., et al., trustees. (See Brown, Charles S., assignor.)

- Trachsel, Fritz, Bern, assignor to Chr. Gfeller Aktiengesellschaft, Bern-Bumpliz, Switzerland. Automatic telephone-exchange system. 1,782,491; Nov. 25.
- Trachte, George A., Madison, Wis. Metal joining strip. 1,779,346; Oct. 21.
- Track Specialties Company. (See Triana, Jorge, assignor.)
- Tracy, Bertrand P. (See Cartledge, Frank, assignor.)
- Tracy, Daniel E., Ashtabula, Ohio. Stay member for coat necks. 1,759,528; May 20.
- Tracy, Homer D., Ridgewood, assignor to Barbour Flax Spinning Co., Paterson, N. J. Winding machine. 1,781,770; Nov. 18.
- Tracy, Ida M. (See McGee, Rupert E., assignor.)
- Tracy, Joseph, Rutherford, N. J. Balanced fluid dynamometer. 1,743,409; Jan. 14.
- Tracy, Michael J., St. Louis County, and J. H. Kintzele, St. Louis, Mo. Indicating device. 1,743,294; Jan. 14.
- Tracy, Robert W., assignor to The De Vilbiss Company, Toledo, Ohio. Air brush. 1,786,394; Dec. 23.
- Traer, Glenn W., jr. (See Odell, William W., assignor.)
- Trafton, William M., Providence, R. I., and J. Armstrong, Allston, assignors to American Moistening Company, Boston, Mass. Humidifier. 1,765,780; June 24.
- Trager, Benjamin, Bronx, N. Y. Brief bag. 1,768,496; June 24.
- Trageser, Albert H., and L. Hassinger, New York, N. Y. Copper-boiler outlet. 1,758,869; May 13.
- Trageser, Albert H., and L. Hassinger, New York, assignors to John Trageser Steam Copper Works, Masspeth, N. Y. Welding copper boiler heads. 1,782,373; Nov. 18.
- Trageser, John, Steam Copper Works. (See Trageser, A. H., and Hassinger, assignors.)
- Trahan, Rudolph, Rumstick Point, R. I. Valve-grinding device. 1,781,417; Nov. 11.
- Traho Metallic Joint Corporation. (See Stachelrodt, Fritz, assignor.)
- Trailograf Company, The. (See Citron, William J., assignor.)
- Trainer, James E., and I. L. Langvand, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Forming return bends. 1,775,331; Sept. 9.
- Tramer, Arnold H., Elizabeth, N. J. Condiment holder. 1,761,806; June 3.
- Tranchell, Jacob J., Portland, Oreg. Automobile heater. 1,775,607; Sept. 9.
- Trane, Raymond, Omaha, Nebr. Book structure. 1,772,595; Aug. 12.
- Trane, Raymond, Omaha, Nebr. Golf tee. 1,779,995; Oct. 28.
- Trane, Reuben N., Le Crosse, Wis. Radiator. 1,764,187; June 17.
- Trane, Reuben N., La Crosse, Wis. Radiator. 1,775,706; Sept. 16.
- Trane, Reuben N., La Crosse, Wis. Heating device. 1,778,538; Oct. 14.
- Transcontinental Oil Company. (See Slagter, Arthur J., assignor.)
- Transit Mixers, Inc. (See Schneider, Peter F., assignor.)
- Transit Mixers, Inc. (See Totten, Harry A., assignor.)
- Transit Mixers, Inc. (See Tuller, Edward T., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Birdsall, Wilfred T., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Lynn, Harry H., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Newman, David F., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Underwood, Robert C., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Ward, Joshua, assignor.)
- Transmission Ball Bearing Company Inc., The. (See Hambleton, Edwin, assignor.)
- Trano Envelope Company. (See Sauerman, Ernest W., assignor.)
- Transportation Devices Corporation. (See Karlbo, E. C., Pearce, and Retterer, assignors.)
- Traquair, John, Chillicothe, assignor to The Mead Pulp & Paper Company, Dayton, Ohio. Method of and apparatus for making paper. 1,751,256; Mar. 18.
- Traquair, John, Chillicothe, assignor to The Mead Pulp & Paper Company, Dayton, Ohio. Method of and apparatus for manufacturing paper. 1,786,681; Dec. 30.
- Task, Jesse H., Wausau, Wis. Making decorated paper. 1,787,218; Dec. 30.
- Tratsch, Walter A. (See Beehtol, A. H., and Tratsch.)
- Tratsch, Walter A., Chicago, Ill. Target for amusement devices. 1,750,945; Mar. 18.
- Tratsch, Walter A., Chicago, Ill. Control mechanism for vending machines. 1,766,152; June 24.
- Tratsch, Walter A., Chicago, Ill. Coin-controlled release for mechanisms. 1,766,203; June 24.
- Traub, Emil, Newark, N. J. Multiple electric switch. 1,745,516; Feb. 4.
- Traube, Isidor, Berlin-Charlottenburg, Germany, assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Concentrating rubber latex. 1,754,842; Apr. 15.
- Traube, Wilhelm, Berlin, and E. Hellriegel, Regensburg, Germany. Producing n-monoalkyl derivatives of the aminophenols. 1,746,064; Feb. 4.
- Traud, William A., Newark, N. J. Grinder mechanism. 1,769,870; July 1.
- Trauger, Guy A., Alden, Iowa. Device for controlling tractors from a distance. 1,755,526; Apr. 22.
- Traumüller, Harry J. W., Brooklyn, N. Y. Catch device. 1,775,332; Sept. 9.
- Traung Company, The. (See Sheedy, F. T., Wood, and Traung, assignors.)
- Traung, Louis. (See Sheedy, F. T., Wood, and Traung.)
- Traut, Clifford, assignor to The Higgin Manufacturing Company, Newport, Ky. Tension bar and guide for roll screens. 1,749,199; Mar. 4.
- Traut, Clifford, assignor to The Higgin Manufacturing Company, Newport, Ky. Drawbar for screens. 1,766,730; June 24.
- Traut, Clifford, assignor, to The Higgin Manufacturing Company, Newport, Ky. Reseating device for roll closures. 1,779,646; Oct. 28.
- Traut, Ezra H., Detroit, Mich. Mold. 1,752,040; Mar. 25.
- Trautman, Ernest, Lakewood, and P. Fetzger, Cleveland, Ohio. Storage receptacle. 1,778,236; Oct. 14.
- Trautman, Frederick, Freeport, N. Y. Signal. 1,759,247; May 20.
- Trautmann, Otto E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Colorimeter lamp. Des. 81,508; July 1.
- Trautmann, Otto E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Opera-glass support. Des. 82,353; Oct. 21.
- Trautner, Willy, B. Stein, and R. Berliner, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing 1-phenyl-benzanthrone compounds. 1,749,519; Mar. 4.
- Trautvetter, Henry T., Clifton, N. J. Dispensing container. 1,763,449; June 10.
- Trautvetter, William G., Paterson, N. J. Tension indicator and compensator for warping carriages. 1,769,244; July 1.
- Trautwein, Friedrich, Berlin-Zehlendorf, assignor to the firm Dr. Erich F. Huth Ges. m. b. H., Berlin, Germany. Externally-controlled tube transmitter. 1,749,269; Mar. 4.
- Traux, William T., assignor to United States Register Co., Battle Creek, Mich. Double-wall pipe. 1,769,322; July 1.
- Traux, William T., assignor to United States Register Co., Battle Creek, Mich. Subframe for register fronts. 1,769,725; July 1.
- Traver, Fred C., Oak Park, Ill. Container. 1,773,652; Aug. 19.
- Traver, Harry G., Beaver Falls, Pa. Amusement ride. 1,767,626; June 24.
- Traver, Harry G., Beaver Falls, Pa. Amusement railway. 1,767,627; June 24.
- Traver, Harry G., Beaver Falls, Pa. Amusement ride and car therefor. 1,783,268; Dec. 2.
- Traver, Harry G., Beaver Falls, Pa. Car for amusement rides. 1,785,989; Dec. 23.
- Traver, Harold G., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Heater valve. 1,754,729; Apr. 15.
- Traver, Oliver C., Penfield, Pa., assignor to General Electric Company. Protective arrangement. Re17,601; Feb. 18.
- Traver, Oliver C., Penfield, Upper Darby, Pa., assignor to General Electric Company. Protective arrangement. 1,787,181; Dec. 30.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupter. 1,742,565; Jan. 7.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Thermal-responsive controlling device. 1,743,053; Jan. 7.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Protective arrangement. 1,760,531; May 27.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Protective apparatus. 1,771,361; July 22.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Protective arrangement. 1,783,061; Nov. 25.
- Traver, William A., assignor to Franklin Process Company, Providence, R. I. Apparatus for dyeing or otherwise processing fibrous materials. 1,743,254; Jan. 14.
- Traver, William A., assignor to Franklin Rayon Dyeing Company, Providence, R. I. Apparatus for dyeing and otherwise processing fibrous materials. 1,777,111; Sept. 30.
- Travers, John T., assignor to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Treating creamery waste. 1,747,802; Feb. 18.
- Travers, John T., assignor to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Process and apparatus for the purification of polluted liquids. 1,747,803; Feb. 18.
- Travers, John T., and C. H. Lewis, Harpster, and O. M. Urbain, assignors to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Water purification. 1,754,068; Apr. 8.
- Travers, John T., Columbus, C. H. Lewis, Harpster, and O. M. Urbain, Columbus, assignors to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Mineral adsorbent and manufacturing same. 1,783,396; Dec. 2.
- Travers, John T. and M. E. assignors to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Producing a balanced environment for fish life. 1,747,804; Feb. 18.

- Travers, John T., and O. M. Urbain, assignors to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Water purification. 1,754,129; Apr. 8.
- Travers, Martha E. (See Travers, John T. and M. E.)
- Traville, James C., jr., University City, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,757,347; May 6.
- Travis, Bertram C., assignor of one-half to Pacific Copper and Brass Works, Incorporated, Los Angeles, Calif. Device for forming elliptical parts. 1,751,772; Mar. 25.
- Travis, Charles, Philadelphia, Pa. Electrical measuring apparatus. 1,753,486; Apr. 8.
- Travis, Francis A., Dallas, Tex. Sign adjuster or seat-indicating device. 1,765,250; June 17.
- Travis, John M., St. Louis, Mo. Faucet. 1,743,738; Jan. 14.
- Travis, Pierce M. (See Halvorsen, A. L., and Travis.)
- Travis, Pierce M., Ridgewood, and A. L. Halvorsen, Perth Amboy, assignors to The Emulsion Process Corporation, Jersey City, N. J. Asphalt emulsion. 1,757,102; May 6.
- Travis, Simeon E., jr., Hattiesburg, Miss. Truck body. 1,759,876; May 27.
- Travis, Simeon E., jr., Hattiesburg, Miss. Signboard structure for truck bodies. 1,761,999; June 3.
- Travis, Simeon E., jr., Hattiesburg, Miss. Floor and corner structure for truck bodies. 1,762,000; June 3.
- Travis, Simeon E., jr., Hattiesburg, Miss. Carrier of the plural-deck type. 1,781,612; Nov. 11.
- Trav-ler Manufacturing Corporation. (See Pitner, Marion W., assignor.)
- Trav-Ler Manufacturing Corporation. (See Woods, William E., assignor.)
- Traxel, William J. (See Kantor, J., Fick, and Traxel.)
- Traxel, William J., assignor, by mesne assignments, to Liquid Carbonic Corporation, Chicago, Ill. Electric switch. 1,758,629; May 13.
- Traylor Engineering & Manufacturing Company. (See Bernhard, Richard, assignor.)
- Traylor, John A., Tiger, assignor to The Traylor Vibrator Company, Denver, Colo. Electric reciprocating motor. 1,772,596; Aug. 12.
- Traylor, John A., Tiger, assignor to The Traylor Vibrator Company, Denver, Colo. Vibrating apparatus. 1,779,454; Oct. 28.
- Traylor Vibrator Company, The. (See Traylor, John A., assignor.)
- Tray Service Company, et al. (See McGinley, James M., assignor.)
- Trbojevich, Nikola, Highland Park, Mich. Internal-combustion engine. 1,747,091; Feb. 11.
- Trbojevich, Nikola, Highland Park, Mich. Sliding gear and synchronizing the same. 1,766,153; June 24.
- Trbojevich, Nikola, Highland Park, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Gearing. 1,746,722; Feb. 11.
- Trbojevich, Nikola, Detroit, Mich., assignor to Gleason Works, Rochester, N. Y. Worm gearing. 1,759,968; May 27.
- Treadwell Engineering Company. (See Mikaelson, Erik W., assignor.)
- Treadwell, M. H., Company. (See Astrom, Carl P., assignor.)
- Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Switch. 1,752,213; Mar. 25.
- Treat, Francis H., Bellevue, Ohio, assignor to Duff Patents Company, Inc., Pittsburgh, Pa. Blast-distributing means for gas producers. 1,776,457; Sept. 23.
- Treat, Lester A., Blandford, Mass. Vulva clamp. 1,756,670; Apr. 29.
- Treat, Sidney W., Chicago, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company. Stretcher. 1,762,535; June 10.
- Treat, Sidney W., Chicago, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company. Pneumatic strap sealer. 1,764,911; June 17.
- Trebes, Bruno M. A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Clamping device. 1,749,006; Mar. 4.
- Trebes, Bruno M. A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Extrusion machine. 1,752,471; Apr. 1.
- Trebes, Bruno M. A., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for covering cores. 1,785,398; Dec. 16.
- Trechcinski, Roman, Warsaw, Poland, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Automatic and semiautomatic telephone system. 1,751,431; Mar. 18.
- Trechcinski, Roman, Warsaw, Poland, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Telephone system. 1,779,758; Oct. 28.
- Trechsel, Max, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Two-stroke internal-combustion engine. 1,744,249; Jan. 21.
- Trechsel, Max, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Cooling device for reciprocating pistons. 1,744,250; Jan. 21.
- Trede, Louis. (See Schmitt, Ernest C., assignor.)
- Treer, Ross B., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Drawing press. 1,742,673; Jan. 7.
- Trefethen, Charles G., and A. G. Belden, assignors to Norton Company, Worcester, Mass. Grinding machine. 1,783,755; Dec. 2.
- Trego, Frank H., assignor to Varityper, Inc., New York, N. Y. Master wheel. 1,743,639; Jan. 14.
- Tregoning, William C., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Electric snap switch. 1,783,635; Dec. 2.
- Tregoning, William C., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Insulating link for pull chains. 1,769,245; July 1.
- Tregoning, William C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 1,783,636; Dec. 2.
- Tregoning, William C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Molded insulation article. 1,784,557; Dec. 9.
- Tregor, Nison, Detroit, Mich. Toy savings bank. Des. 80,350; Jan. 14.
- Treharne, Thomas W., Xenia Pike, Ohio. Surgical instrument. 1,763,939; June 17.
- Treiber Diesel Engine Corporation. (See Treiber, Otis D., assignor.)
- Treiber, Frank A., Cumberland, Md. Antiglare device. 1,782,393; Nov. 18.
- Treiber, Otis D., Narberth, Pa., assignor to Treiber Diesel Engine Corporation, Camden, N. J. Apparatus for generating electric current. 1,751,958; Mar. 25.
- Treiber, Otis D., Narberth, Pa., assignor to Treiber Diesel Engine Corporation, Camden, N. J. Internal-combustion engine. 1,781,039; Nov. 11.
- Treichel, Otto, Berlin, Germany. Extinguishing fires. 1,771,151; July 22.
- Treiman, Morris, assignor to Mexican American Hat Company, St. Louis, Mo. Hat. Des. 80,716; Mar. 11.
- Trecker, Theodore, and J. B. Armitage, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Attachment for machine tools. 1,750,373; Mar. 11.
- Treloar, Daniel E., Seattle, Wash. Hair clasp. 1,767,720; June 24.
- Tremlett, Christopher J., Toronto, Ontario, Canada. Starting-crank mechanism. 1,779,519; Oct. 28.
- Tremont Products Corporation. (See Smith, Raymond D., assignor.)
- Tremper, Simeon N., Fort Dodge, and C. M. Johannsen, Marshalltown, Iowa. Oat huller. 1,769,084; July 1.
- Trench, Harry G., Hartford, Conn., assignor to The Union Trust Company, Cleveland, Ohio. Spring shackle. 1,752,284; Mar. 25.
- Trench, Harry G., Hartford, Conn., assignor to The Union Trust Company, Cleveland, Ohio. Spring shackle. 1,763,110; June 10.
- Trencham, Henry. (See Huber, H. J. H., and Trencham.)
- Trencham, Henry, Ruislip, England, assignor to General Electric Company. Electric switch. 1,783,062; Nov. 25.
- Trencham, Henry, Ruislip, H. C. Heath, Wembly, W. P. Hamlyn, Acton, London, and H. E. Cox, Beckenham, England, assignors to General Electric Company. Solenoid-operated mechanism. 1,754,069; Apr. 8.
- Trenholm, William E., Eveleth, Minn. Bathing-beach float. 1,761,058; June 3.
- Trenkamp, Herman J. (See Watzl, Ernst J., assignor.)
- Trenkamp, Herman J., Cleveland Heights, Ohio. Smoking pipe. 1,786,179; Dec. 23.
- Trenor, Albert D. (See Dorsey, H. G., and Trenor.)
- Trent Process Corporation, The. (See Trent, Walter E., assignor.)
- Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Process and apparatus for generating gases for power development. 1,758,630; May 13.
- Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Improving flowing characteristics of coal. 1,758,631; May 13.
- Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Carbonizing coal. 1,767,778; June 24.
- Trent, Walter E., New York, N. Y., assignor to The Trent Process Corporation. Apparatus for producing metals from their oxide ores. 1,767,779; June 24.
- Trent, Walter E., New York, N. Y., assignor to The Trent Process Corporation. Reduction of iron ores. 1,771,971; July 29.
- Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Reduction of oxide ores. 1,771,972; July 29.
- Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Carbonizing process. 1,781,613; Nov. 11.
- Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Distilling coals. 1,781,614; Nov. 11.
- Trenton Potteries Company, The. (See Smith, Perry C., assignor.)
- Treptow, George R. (See Lehnhoff, R. A., and Treptow.)
- Treschow, Michael, Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Tube mill, etc. 1,747,609; Feb. 18.
- Trescott, John B., St. Louis County, assignor to James R. Kearney Corporation, St. Louis, Mo. Electric switch. 1,775,147; Sept. 9.
- Trester, Herault A., assignor to Koehring Company, Milwaukee, Wis. Spring-type batchmeter. 1,775,445; Sept. 9.

- Trevert, Henry L. F., Canandaigua, N. Y. Brake mechanism. 1,785,057; Dec. 16.
- Trevett, Earl H. (See Draper, C. H., and Trevett.)
- Trevillian, William J., assignor to The W. T. Rawleigh Company, Freeport, Ill. Extracting pyrethrum. 1,786,967; Dec. 30.
- Treviño, Manuel F., Piedras, Negras, Mexico. Connecting rod. 1,768,808; July 1.
- Trew, Arthur S., assignor to Burroughs Adding Machine Company, Detroit, Mich. Carriage equipment for accounting machines. 1,767,721; June 24.
- Trew, James W. (See Rice, J. S., and Trew.)
- Trey, Serge, Stamford, Conn. Helicopter. 1,785,333; Dec. 16.
- Trial, Louis J., Hobson, Tex., assignor to International Harvester Company. Lister-plow attachment for tractors. 1,769,085; July 1.
- Triana, Jorge, Bogota, Colombia, assignor to Track Specialties Company, New York, N. Y. Portable tie-boring machine. 1,767,327; June 24.
- Triangle Conduit Company. (See McAuliffe, John E., assignor.)
- Triangle Conduit Company. (See Palmer, F., and McAuliffe, assignors.)
- Triangle Kapok Machine Corporation. (See Swanson, Hugo R., assignor.)
- Tribune Company, The. (See Wolf, Otto R., assignor.)
- Trick, Samuel B. (See Gale, T. G., and Trick.)
- Trickey, John P., Evanston, assignor to Quaker Oats Company, Chicago, Ill. Solvent for cellulose nitrate. 1,756,228; Apr. 29.
- Trico Products Corporation. (See Folbert, Frederick G. and W. M., assignors.)
- Trico Products Corporation. (See Horton, Erwin C., assignor.)
- Trico Products Corporation. (See Hueber, Henry, assignor.)
- Trico Products Corporation. (See Hueber, H., and Oishei, assignors.)
- Trico Products Corporation. (See Just, Alvah L., assignor.)
- Trico Products Corporation. (See Oishei, J. R., and Hueber, assignors.)
- Trico Products Corporation. (See Oishei, J. R., Hueber, Paulus, and Horton, assignors.)
- Trico Products Corporation. (See Oishei, John R., assignor.)
- Tridex Corporation. (See Crickmer, Charles S., assignor.)
- Tridex Corporation. (See Wier, Stuart A., assignor.)
- Trier, Vernon A., London, England. Electric switch. 1,777,942; Oct. 7.
- Triesch, Barthel A. (See Van Meter, D. L., and Triesch.)
- Triesch, Nicholas, et al. (See Van Meter, D. L., assignor, and Triesch.)
- Trieschmann, Carl H., Milwaukee, Wis. Automatic bumper and body catcher. 1,748,371; Feb. 25.
- Triggs, Kenneth F., and W. D. Redrup, assignors to The Majestic Company, Huntington, Ind. Humidifier. 1,747,195; Feb. 18.
- Triller, Benjamin J., Dubuque, Iowa. Door-concealed ironing board. 1,766,154; June 24.
- Tri-Lok Company. (See Nagin, Harry, assignor.)
- Trimbey, Edward J., and G. K. Walker, Glens Falls, N. Y. Flow box for paper machines. 1,751,959; Mar. 25.
- Trimble Nurseryland Furniture, Inc. (See Baxter, William C., assignor.)
- Trimm Radio Manufacturing Co. (See Bottorff, Charles A., assignor.)
- Trinity Wheel Corporation. (See Baker, Frederick W., assignor.)
- Trinkl, Hans, Uhren- und Apparatefabrik G. m. b. H. (See Lang, Theo, assignor.)
- Trinkle, Frederick A., Harvey, Ill. Control mechanism. 1,772,597; Aug. 12.
- Trinks, William W., New York, N. Y., assignor, by mesne assignments, to Pullclean Manufacturing Corporation, Bridgeport, Conn. Coin-controlled towel cabinet. 1,769,724; July 1.
- Trinks, William W., Bridgeport, Conn., and B. W. Tucker, South Orange, N. J., assignors to Pullclean Manufacturing Corporation, Bridgeport, Conn. Laundering machine. 1,778,777; Oct. 21.
- Tripfen Manufacturing Co. (See Coby, George, assignor.)
- Tripfen Manufacturing Co. (See Garabedian, Harry, assignor.)
- Tripfen Manufacturing Co. (See Gardner, Harry A., assignor.)
- Triplett, Armstead E., Dallas, Tex. Method for cooking food. 1,768,172; June 24.
- Triplett, William F., Grand Junction, Colo. Aeroplane wing. 1,760,726; May 27.
- Triplex Safety Glass Company of North America. (See Edwards, Neilson, assignor.)
- Triplex Safety Glass Company of North America. (See Farr, Thomas H. P., jr., assignor.)
- Triplex Safety Glass Company of North America. (See Kretschmar, George W., assignor.)
- Tripp, Elwood I. (See Carr, C. W., and Tripp.)
- Tripp, James A., Wilson, N. C. Floor-waxing device. 1,773,894; Aug. 26.
- Tripp, James A., Wilson, N. C. Floor-waxing device. 1,774,409; Aug. 26.
- Tripp, John B., jr., Trenton, N. J. Brake-lining stretcher. 1,786,099; Dec. 23.
- Tripp, William C., Buffalo, N. Y. Horseshoe and fastening means therefor. 1,743,504; Jan. 14.
- Trippe-Fürst, Alexander, Berlin-Reinickendorf, assignor to Stefan Müller, Berlin, Germany. Advertising device. 1,747,404; Feb. 18.
- Trippeda, Charles S., New York, and A. J. Dichiaro, Brooklyn, assignors of one-fourth to E. Scavone and one-fourth to B. Fichtelberg, New York, N. Y. Handle-adjusting means. 1,756,801; Apr. 29.
- Trisoglio, Severino, et al. (See Righetto, Ruggero, assignor.)
- Trittle, John F. (See McNairy, J. W., and Trittle.)
- Trittle, John F., Erie, Pa., assignor to General Electric Company. Contact finger. 1,776,138; Sept. 16.
- Trittle, John F., Erie, Pa., assignor to General Electric Company. Adjusting screw. 1,778,697; Oct. 14.
- Trittle, John F., Erie, Pa., assignor to General Electric Company. Electrical resistor. 1,783,863; Dec. 2.
- Trobeck, Olof E., Berlin, Germany, assignor to The National Acme Company, Cleveland, Ohio. Cross-tool slide for multiple-spindle automatic screw machines. 1,783,528; Dec. 2.
- Troccoli, Achille, Belmont, Mass. Hair-drying machine. 1,773,083; Aug. 12.
- Troccoli, Federico, Boston, Mass. Hair-drying device. 1,746,973; Feb. 11.
- Troeger, Roy C., et al. (See Steele, Carmi J., assignor.)
- Trøften, Einar, Sulitjelma, Norway. Bucket and equipment for carrying same. 1,753,073; Apr. 1.
- Trogner, Arthur M., Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Escutcheon for wired radio tuner. Des. 81,606; July 15.
- Trogner, Arthur M., Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Escutcheon for wired radio receiver. Des. 81,674; July 22.
- Trogner, Arthur M., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Inductance system. 1,763,278; June 10.
- Trogner, Arthur M., East Orange, N. J., assignor, by mesne assignments, to Federal Telegraph Company. Current transformer for high-frequency currents. 1,766,048; June 24.
- Trogner, Arthur M., East Orange, N. J., assignor, by mesne assignments, to Federal Telegraph Company. High-frequency contact device. 1,766,049; June 24.
- Trogner, Arthur M., Takoma Park, Md., assignor, by mesne assignments, to Federal Telegraph Company. Electrical condenser. 1,766,565; June 24.
- Troisi, Fiorentino, Pittsburgh, Pa. Telephonic apparatus for deep-sea diving. 1,770,821; July 15.
- Troisi, Nicholas, New York, N. Y. Ironing machine. 1,744,086; Jan. 21.
- Trojahn, Herman E., St. Louis, Mo. Coin-controlled drive for fare registers. 1,781,353; Nov. 11.
- Trojan Powder Company. (See Niesen, Otto B., assignor.)
- Trojan Powder Company. (See Skoglund, Jean V., assignor.)
- Trojan Powder Company. (See Snelling, W. O., and Wyler, assignors.)
- Trojan Powder Company. (See Williams, David G., assignor.)
- Trojan Powder Company. (See Wyler, Joseph A., assignor.)
- Troll, Herman, Norwood, Ohio. Airplane. 1,771,665; July 29.
- Trolling Supply Company. (See Tozier, Grey H., assignor.)
- Trombetta, Panfilo, Schenectady, N. Y., assignor to General Electric Company. Solenoid winding. 1,752,866; Apr. 1.
- Trombetta, Panfilo, Milwaukee, Wis., assignor to General Electric Company. Electromagnet. 1,761,759; June 3.
- Trombetta, Panfilo, Milwaukee, Wis., assignor to General Electric Company. Magnetic core. 1,782,521; Nov. 25.
- Trombly, Jeremiah M. and K. A., Hinsdale, Mass. Window screen. 1,745,818; Feb. 4.
- Trombly, Keith A. (See Trombly, Jeremiah M. and K. A.)
- Tropsch, Hans. (See Fischer, F., and Tropsch.)
- Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Multiple drill. 1,775,005; Sept. 2.
- Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Machine tool. 1,775,006; Sept. 2.
- Trosper, Bab B., near Monroe City, Mo. Toy figure. 1,751,773; Mar. 25.
- Trostel, Louis J., Baltimore, Md., assignor to General Refractories Company, Philadelphia, Pa. Refractory composition and making refractory articles therefrom. 1,752,867; Apr. 1.
- Troth, Walter A., Brooklyn, N. Y. Ornamental cap for flagstaffs. 1,748,625; Feb. 25.
- Troth, Walter A., Brooklyn, N. Y. Household-waste baler. 1,760,292; May 27.
- Trotman, Walter K., Holyoke, Mass. Dandy roll. 1,752,311; Apr. 1.
- Trott, Harvey B., McKeesport, Pa. Window screen. 1,760,612; May 27.
- Trott, Rolland S., Denver, Colo. Rotary valve for engines. 1,774,773; Sept. 2.
- Trotter, David K., Tuscaloosa, Ala., assignor to International Harvester Company. Cultivator attachment for tractors. 1,769,086; July 1.

- Trotter, Fred. (See Pfeffer, F. D., and Trotter.)
- Trotter, Fred, and A. Swanson, Fort Dodge, Iowa, assignors to United States Gypsum Company, Chicago, Ill. Method of and apparatus for scoring blocks. 1,787,219; Dec. 30.
- Trotter, Henry R., assignor to Hacker Manufacturing Company, Chicago, Ill. Printing press. 1,785,504; Dec. 16.
- Trotter, Henry R., assignor to Hacker Manufacturing Company, Chicago, Ill. Printing press. 1,785,505; Dec. 16.
- Trotter, William, New York, and E. W. Wilkinson, Queens Village, assignors to Minerals Separation North American Corporation, New York, N. Y. Concentration of phosphate-bearing material. 1,761,546; June 3.
- Trouche, Henri, Amberleu, France. Bicycle and motorcycle frame. 1,745,963; Feb. 4.
- Troup, George M., Dayton, Ohio, assignor, by mesne assignments to Frigidaire Corporation. Refrigerating apparatus. 1,744,816; Jan. 28.
- Troup, George M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,748,531; Feb. 25.
- Trout, Harry R., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Lavatory leg. Des. 81,034; Apr. 22.
- Trout, Harry R., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Lavatory leg. Des. 81,035; Apr. 22.
- Trout, Walter C., Lufkin, Tex. Pitman. 1,771,103; July 22.
- Trout, Walter C., Lufkin, Tex. Dustproof center iron for walking beams. 1,778,131; Oct. 14.
- Trouth, John E., Seminole, assignor to Independent Oil Well Cementing Co., Inc., Oklahoma City, Okla., Cement mixer for cementing oil and gas wells. 1,781,255; Nov. 11.
- Troutner, Jesse B., assignor to Marshalltown Trowel Company, Marshalltown, Iowa. Handle for trowels. 1,786,043; Dec. 23.
- Trouton, Maurice, Cuddington, assignor to Wireless Music Limited, London, England. Electrically-operated vibratory devices such as are used in the recording or reproduction of sound. 1,774,681; Sept. 2.
- Trouton, Maurice, Buckinghamshire, assignor to Wireless Music Limited, London, England. Electrically-operated vibratory device. 1,786,583; Dec. 30.
- Trouton, Maurice, Buckinghamshire, assignor to Wireless Music Limited, London, England. Electromechanical vibration translating device such for example as loudspeakers. 1,786,584; Dec. 30.
- Trovato, Charles, Corona, N. Y. Combined aquarium and picture. 1,777,944; Oct. 7.
- Trowbridge, William S., assignor to American Steel Foundries, Chicago, Ill. Combined body-bolster and draft-sill casting. 1,765,465; June 24.
- Troxell, Joseph N., North Catasauqua, Pa. Horseshoe. 1,767,328; June 24.
- Troy Laundry Machinery Company. (See Adams, Arthur H., assignor.)
- Troy Laundry Machinery Company. (See Anderson, Ernest D., assignor.)
- Troy Laundry Machinery Company. (See McKnight, Samuel H., assignor.)
- Troy Laundry Machinery Company. (See Schenck, Le Roy C., assignor.)
- Troy, Seymour, New York, N. Y. Woman's shoe. Des. 82,859; Dec. 16.
- Troy, Seymour, New York, N. Y. Woman's shoe. Des. 82,860; Dec. 16.
- Troy, Seymour, Brooklyn, N. Y. Woman's shoe. Des. 82,962; Dec. 30.
- Troy Sunshade Company, The. (See Snook, Clarence G., assignor.)
- Troyer, Edwin E., and J. N. Shuey, Milton, Oreg. Valve-spring compressor. 1,770,586; July 15.
- Troyer, Mervyn B., assignor to Seattle Astoria Iron Works, Seattle, Wash. Feed device for can-body-forming machines. 1,780,049; Oct. 28.
- Troyer, Nelson, assignor to Seattle Astoria Iron Works, Seattle, Wash. Outside solder horn. 1,768,015; June 24.
- Troyer, Nelson, assignor to Seattle Astoria Iron Works, Seattle, Wash. Can-body-making machine. 1,772,820; Aug. 12.
- Troyer, Nelson, and R. M. Mero, assignors to Seattle Astoria Iron Works, Seattle, Wash. Can-end-drying machine. 1,765,183; June 17.
- Troyer, Nelson, and P. E. Pearson, assignors to Seattle Astoria Iron Works, Seattle, Wash. Expander and clamp mechanism for can-body machines. 1,750,550; Mar. 11.
- Troyk, Felix, Chicago, Ill., assignor to Self Locking Carton Company. Cushioned carton. 1,766,155; June 24.
- Troyk, Felix, Chicago, Ill., assignor to Self-Locking Carton Company. Cushioned carton. 1,783,397; Dec. 2.
- Truax, Charles C., Toledo, Ohio. Drying, cleaning, and polishing sheet metal with corncob material. 1,750,498; Mar. 11.
- Truax, Charles C., Toledo, Ohio. Treating articles in tumbling barrels. 1,750,499; Mar. 11.
- Trube, Carl E., Maplewood, assignor to Hazeltine Corporation, Jersey City, N. J. Electric coupling system. 1,762,431; June 10.
- Trube, Carl E., Orange, assignor to Hazeltine Corporation, Jersey City, N. J. Electric coupling system. 1,763,380; June 10.
- Trudeau, John F. (See Grieshaber, H. E., Duncklee, and Trudeau.)
- Trudeau, Theodore F., Holyoke, Mass. Automobile door-latching device. 1,744,424; Jan. 21.
- Trudel, Henry L., and H. B. Dawson, Ipswich, Mass., assignors, by mesne assignments, to Scott & Williams, Incorporated. Yarn-feeding device for knitting machines. 1,775,333; Sept. 9.
- Trudo, Joseph M. (See Fugle, C. H., Ostenberg, Maglein, and Trudo.)
- Trudo, Joseph M. (See Fugle, C. H., Ostenberg, Maglein, Trudo, and Newton.)
- True, Edwin S., Oak Park, Ill. Electrical contacting device. 1,769,279; July 1.
- Truelson, Arthur J., Salt Lake City, Utah. Radio cabinet panel. Des. 80,403; Jan. 21.
- Truemper, John C. (See Nolen, T., and Truemper.)
- Truesbury, Eugene D., assignor to Ornamental Brass Shops, Rockford, Ill. Operating device for a desk fall support. 1,764,188; June 17.
- Truesdell, Fred A., Cleveland, Ohio. Driving mechanism. 1,776,302; Sept. 23.
- Truesdell, Fred A., Cleveland, Ohio, assignor to Bendix Brake Company, Chicago, Ill. Multiple wheel brake for automotive vehicles. 1,754,780; Apr. 15.
- Truett, Velma S., and H. H. George, San Francisco, Calif. Musical instrument. 1,750,069; Mar. 11.
- Trullinger, Isaac V., Mulino, Oreg. Log turner for saw-mills. 1,755,087; Apr. 15.
- Trullinger, William L., Astoria, Oreg. Movable camera support. 1,751,774; Mar. 25.
- Trumble Gas Trap Company. (See Kotzebue, Meinhard H., assignor.)
- Trumble, John T., Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich. Tie-rod construction. 1,768,347; June 24.
- Trumble, John T., Lansing, assignor to General Motors Corporation, Detroit, Mich. Fuel pump. 1,783,940; Dec. 2.
- Thumble, Milton J., Alhambra, Calif. Absorption trap. 1,762,432; June 10.
- Trumble, Milton J., Los Angeles, Calif. Cracking still and process. 1,762,433; June 10.
- Trumble, Milton J., Alhambra, and R. C. Woodward, assignors to McEvoy Wireless Well Strainer Corporation, Los Angeles, Calif. Apparatus for perforating casings. 1,764,129; June 17.
- Trumbo, Stacy D., Pittsburgh, Pa. Animal trap. 1,752,041; Mar. 25.
- Trumbull, Frank S., Providence, R. I. Sherbet glass or similar article. Des. 82,194; Sept. 30.
- Trumbull, Harlan L. (See Geer, W. C., and Trumbull.)
- Trumbull, Harlan L., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Dispersed rubber isomer. 1,744,844; Jan. 28.
- Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Hammerly, Herman J., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Hanny, Charles E., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Leppert, Henry E., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Wheeler, Frank T., assignor.)
- Trumbull Manufacturing Company. (See Max, George J., assignor.)
- Trump, Elno H., Akron, Ohio. Sheet-cutting machine. 1,765,184; June 17.
- Trumpf, Gottlieb, Wilkinsburg, Pa. Toy. Des. 80,759; Mar. 18.
- Trumpler, William E., Easton, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage relay. 1,745,878; Feb. 4.
- Trumpler, William E., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Pivot structure. 1,757,604; May 6.
- Trumpy, John, Haddonfield, N. J., assignor to Mathis Yacht Building Company. Protected window for ships' hulls. 1,750,695; Mar. 18.
- Trundle, George T., jr., Cleveland Heights, Ohio, assignor, by mesne assignments, to W. T. Hensley, Indianapolis, Ind. Machine for making annular laminated bodies. 1,773,382; Aug. 19.
- Truscinski, Peter F. (See Brown, H. P., and Truscinski.)
- Truscon Steel Company. (See Briody, Bernard, assignor.)
- Truscon Steel Company. (See Carlson, John O., assignor.)
- Truscon Steel Company. (See Clark, M. T., and Montgomery, assignors.)
- Truscon Steel Company. (See Kane, Thomas H., assignor.)
- Truscon Steel Company. (See King, G., and Howard, assignors.)
- Truscon Steel Company. (See Schaffert, Adolf H., assignor.)
- Truscott, Starr. (See Jacobsohn, I. M., and Truscott.)
- Trusion Steel Company. (See White, Herbert E., assignor.)
- Trusler, Frank S., Vernon, Tex. Artificial tooth. 1,784,322; Dec. 9.
- Trussa, George. (See Israel, H. H., and Trussa.)
- Trussbilt Steel Doors, Inc. (See Gross, William J., assignor.)

- Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book cover and making same. 1,745,461; Feb. 4.
- Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf book. 1,750,946; Mar. 18.
- Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Cover for loose-leaf binders and making the same. 1,776,526; Sept. 23.
- Trussell, Homer A., Chicago, Ill. Fuel vaporization and induction system for internal-combustion engines. 1,766,854; June 24.
- Trussell, Homer A., New York, N. Y. Fuel-reclaiming device for internal-combustion engines. 1,779,364; Oct. 21.
- Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
- Trusts and Guarantee Company, The. (See Owens, Arthur G., assignor.)
- Trynoski, Kazimier J., Coldwater, N. Y. Mixing apparatus. 1,765,638; June 24.
- Trzesniewski, Frank F., Milwaukee, Wis. Entertainment and athletic apparatus for the use of children. 1,744,595; Jan. 21.
- Tscherning, Henry, assignor to Arcade Manufacturing Company, Freeport, Ill. Mop head. 1,759,768; May 20.
- Tschopp, Jacob, Schenectady, N. Y., assignor to General Electric Company. Film-controlled contact device. 1,747,037; Feb. 11.
- Tschörner, Ludwig, Vienna, Austria. Television apparatus. 1,779,863; Oct. 28.
- Tschunkur, Eduard, and A. Klamroth, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Purification of synthetic methyl alcohol. 1,744,180; Jan. 21.
- Tsuchika, Konosuke, Sausalito, Calif. Liquid container. 1,776,458; Sept. 23.
- Tsuji, Shingo, Tokyo, Japan. Apparatus for enabling hatch loading in the rain for ships or the like. 1,780,322; Nov. 4.
- Tubbs, W. F., Company. (See Gibson, Louis D., assignor.)
- Tubbs, William B., Los Angeles, Calif. Permanent-hair-wave rod. 1,743,695; Jan. 14.
- Tubbs, W. F., Company. (See Gibson, Louis D., assignor.)
- Tubolo, Anthony, Columbus, Ohio. Swimming jacket. 1,754,342; Apr. 15.
- Tubular Rivet & Stud Company. (See Bray, Mellen N., assignor.)
- Tucapau Mills. (See Goldman, Maurice A., assignor.)
- Tuck, Clarence M. (See Morris, Joseph E., assignor.)
- Tuck, Roston, Needles, Calif. Sand-drying apparatus. 1,781,484; Nov. 11.
- Tuck, Russell F., Long Beach, Calif. Derrick safety appliance. 1,782,701; Nov. 25.
- Tucker, Benjamin W. (See Trinks, W. W., and Tucker.)
- Tucker, Cecil C., assignor to Essex Rubber Company, Trenton, N. J. Shoe sole. Des. 80,929; Apr. 8.
- Tucker, Curtis A. (See MacNeill, J. B., Bakken, and Tucker.)
- Tucker, Ela J., National City, Calif. Tractor canopy. 1,765,639; June 24.
- Tucker, Eldred F., Los Angeles, Calif., assignor to C. B. Scoville, jr., and himself. Landing and launching aircraft and aircraft freight. 1,748,663; Feb. 25.
- Tucker, Frederick E., Vancouver, British Columbia, Canada. Individual fire escape. 1,766,566; June 24.
- Tucker, Gordon, Minneapolis, Minn. Door-operating device. 1,768,173; June 24.
- Tucker, Hallie M., St. Augustine, Fla. Autographic attachment for cameras. 1,777,904; Oct. 7.
- Tucker, Herbert E., South Bend, Ind., assignor to Universal Draft Gear Attachment Co. Draft gear. 1,766,232; June 24.
- Tucker, Herbert E., South Bend, Ind., assignor to Universal Draft Gear Attachment Co. Draft gear. 1,766,233; June 24.
- Tucker, Herbert E., South Bend, Ind., assignor to Universal Draft Gear Attachment Co. Draft gear. 1,766,234; June 24.
- Tucker, James D., Sierra Madre, Calif. Mixing-bowl holder. 1,762,805; June 10.
- Tucker, John W., Beaumont, Tex. Balanced valve. 1,785,289; Dec. 16.
- Tucker, Loren C., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressure member for pressing machines. 1,780,050; Oct. 28.
- Tucker, Max D., assignor to The Evans Auto Loading Co., Inc., Detroit, Mich. Block construction. 1,776,303; Sept. 23.
- Tucker, Max D., Detroit, Mich., assignor to The Evans Auto Loading Co. Inc. Shipping of automobiles. 1,780,282; Nov. 4.
- Tucker, Max D., and C. L. Snyder, assignors to The Evans Auto Loading Co. Inc., Detroit, Mich. Reinforced hold-down for loading automobiles and other vehicles. 1,783,102; Nov. 25.
- Tucker, Oliver M., and W. A. Reeves, Columbus, Ohio, assignors to Hartford-Empire Company, Hartford, Conn. Method and apparatus for supporting and delivering viscous glass. 1,756,109; Apr. 29.
- Tucker, Oliver M., and W. A. Reeves, Columbus, Ohio, assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Timing mechanism for glass feeders. 1,760,999; June 8.
- Tucker, Pinkney R., assignor to L. F. Brunt and L. C. Melchor, Greensboro, N. C. Manure spreader. 1,748,431; Feb. 25.
- Tucker, Ralph, New York, N. Y. Turndown-collar shirt. 1,776,673; Sept. 23.
- Tuco Products Corporation. (See Chamberlain, Harold B., assignor.)
- Tuerck-Mackenzie Company. (See Tuerck, Oscar, assignor.)
- Tuerck, Oscar, Portland, Oreg., assignor to Tuerck-Mackenzie Company. Pipe-tipping apparatus. 1,778,003; Oct. 7.
- Tuffery, Jean, Sevres, France. Apparatus for reconditioning sporting cartridge cases and the like. 1,743,295; Jan. 14.
- Tuftak Products Co. (See Heaton, William H., assignor.)
- Tufts, Lesley R. (See Olson, A., and Tufts.)
- Tufts, Lesley R., East Cleveland, and A. Olson, assignors to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper deflector. 1,784,854; Dec. 16.
- Tufts, Lesley R., and A. Olson, assignors to The Cleveland Folding Machine Company, Cleveland, Ohio. Sheet deflector. 1,784,855; Dec. 16.
- Tufts, Nathan, Greenfield, Mass., assignor to The New England Box Company. Tray. Des. 81,769; Aug. 5.
- Tufts, Robert B., Atlanta, Ga. Sewer construction. 1,746,566; Feb. 11.
- Tuggle, Edgar C., Sharon, Pa. Mechanical pencil. 1,757,884; May 6.
- Tugwell, Frank E., Pensacola, Fla. Safety device for liquid-supply lines. 1,746,095; Feb. 4.
- Tuley, Charles B., Glenolden, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,753,955; Apr. 8.
- Tulip, Joseph E., and A. M. Wood, North Shields, England. Advertising or display device. 1,777,508; Oct. 7.
- Tull, Richard W. (See Bailey, Howard C., assignor.)
- Tull, Roger, assignor to Western Lithograph Company, Los Angeles, Calif. Making cloth stencils for multicolor work. 1,785,922; Dec. 23.
- Tull, Roger, and R. J. Smith, assignors to Western Lithograph Company, Los Angeles, Calif. Apparatus for making stencil prints. 1,776,459; Sept. 23.
- Tuller, Edward T., Oakland, assignor to Transit Mixers, Inc., San Francisco, Calif. Mixer shell for transit mixers. 1,753,730; Apr. 8.
- Tullis, Harley A. (See Benedict, C. C., and Tullis.)
- Tullis, Jasper G., Cleveland, assignor, by mesne assignments, to The Jaeger Machine Company, Columbus, Ohio. Laying bitumen pavements. 1,750,443; Mar. 11.
- Tullis, Ross L., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage. 1,745,879; Feb. 4.
- Tullis, Ross L., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage. 1,753,674; Apr. 8.
- Tullis, Ross L., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage. 1,753,415; May 13.
- Tullis, Ross L., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage. 1,779,864; Oct. 28.
- Tun-A-Motor Company, The. (See Morgan, H., and Stephenson, assignors.)
- Tune, Gunnar S., Oakland, Calif. Electric storage heater. 1,749,115; Mar. 4.
- Tune, Thomas P., Mesilla Park, N. Mex., assignor of one-tenth to E. C. Cleveland and one-tenth to W. Scott, El Paso, Tex. Engine. 1,758,482; May 13.
- Tunstall, William B., Worcester, Mass. Pneumatic striker unit for player pianos. 1,765,112; June 17.
- Tunstall, William B., Worcester, Mass. Mechanism for player pianos. 1,783,319; Dec. 2.
- Tupper, Russell E., Salem, Mass. Railway pad. 1,750,735; Mar. 18.
- Tuption, Frank, Cleveland, Ohio. Aeroplane. 1,780,410; Nov. 4.
- Turbayne, William A., Cleveland, Ohio, assignor to Hollup Corporation. Dynamo-electric machine. 1,774,304; Aug. 26.
- Turbine Fuel Oil Burner Co. (See Hurd, Benjamin W., assignor.)
- Turbine Patents Corporation. (See Klimek, Gustav A., assignor.)
- Turbo-Mixer Corporation, The. (See Beers, Henry S., assignor.)
- Turbo-Mixer Corporation, The. (See Johnson, John, assignor.)
- Turbo-Mixer Corporation, The. (See Peters, James, assignor.)
- Turbo-Mixer Corporation, The. (See Valentine, Kenneth S., assignor.)
- Turck, Joseph A. V., Wilmette, assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Calculating machine. 1,751,609; Mar. 25.
- Turcotte, Lucien F. L. (See Reynolds, F. A., and Turcotte.)
- Turek, Oldrich, Plzen, Czechoslovakia. Blasting cartridge, percussion cap, detonator, detonating fuse, and the like. 1,743,739; Jan. 14.
- Turgeon, Edmond, Thompsonville, Conn. Seating and unseating tool. 1,743,505; Jan. 14.
- Turk, Karl, assignor to The Porcelain Enamel & Manufacturing Company of Baltimore, Baltimore, Md. Ball or handle for gear-shift levers. 1,761,898; June 8.
- Türk, Karl, assignor to The Porcelain Enamel and Manufacturing Company of Baltimore, Baltimore, Md. Grate or burning bar for enamelling furnaces. 1,762,001; June 3.

- Türke, Johannes, Beuthen, assignor to E. Kleinschmidt, Frankfurt-on-the-Main, Germany. Apparatus for binding pulverulent fuel. 1,750,609; Mar. 11.
- Turley, William E., Santa Monica, Calif. Push and pull jack. 1,746,504; Feb. 11.
- Turnbach, William M., Hazleton, Pa. Combined headrest and container. 1,771,152; July 22.
- Turnbow, Grover D. (See Farrall, A. W., and Turnbow.)
- Turnbull, Werd W., Dayton, Ohio, assignor to National Biscuit Company, New York, N. Y. Mold for baking cup pastry and the like. 1,759,924; May 27.
- Turnbull, William, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Track shoe. 1,786,924; Dec. 30.
- Turnbull, William G., and H. C. Crane, Toronto, Ontario, Canada. Elevator brake. 1,746,372; Feb. 11.
- Turner, Albert. (See Einstein, S., and Turner.)
- Turner, Albert, assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,782,669; Nov. 25.
- Turner, Alfred J., assignor to Standard Oil Company of California, San Francisco, Calif. Apparatus for lubricating bearings. 1,776,938; Sept. 30.
- Turner, Andrew L., Depew, Okla. Burglar alarm. 1,786,273; Dec. 23.
- Turner, Aubrey D., Minneapolis, Minn. Clamp. 1,765,113; June 17.
- Turner, Bertrand, Wolverhampton, assignor to The Ferro-Arc Welding Company Limited, London, England. Arc-welding electrode. 1,773,653; Aug. 19.
- Turner, Charles A., assignor to Universal Electric Controller Company, Chicago, Ill. Signal and recording device. 1,773,246; Aug. 19.
- Turner, Charles H., assignor to Osgood Bradley Car Company, Worcester, Mass. Metal window sash. 1,763,489; June 10.
- Turner, Charles H., assignor to Osgood Bradley Car Company, Worcester, Mass. Sleeping-car structure. 1,763,490; June 10.
- Turner, Charles L., assignor of one-half to F. W. Harris, Los Angeles, Calif. Vessel-capping machine. 1,785,235; Dec. 16.
- Turner, Charles W., et al. (See Reed, Andrew H., assignor.)
- Turner, David L., et al. (See Stephens, Erastus C., assignor.)
- Turner, Dennis H., Seminole, Okla. Burner. 1,785,605; Dec. 16.
- Turner, Edward R., Holly, Colo. Door or gate operating device. 1,755,904; Apr. 22.
- Turner, Edward T., Dayton, Ohio. Water softener. 1,745,563; Feb. 4.
- Turner, Edward T., Dayton, Ohio. Water-softening apparatus. 1,759,636; May 20.
- Turner, Edward T., Dayton, Ohio. Water-softening apparatus. 1,763,727; June 17.
- Turner, Edward T., Dayton, Ohio. Valve-actuating device. 1,763,728; June 17.
- Turner, Edward T., Dayton, Ohio. Valve-actuating device. 1,763,729; June 17.
- Turner, Edward T., Dayton, Ohio. Water-softening apparatus. 1,787,129; Dec. 30.
- Turner, Edward T., Dayton, Ohio. Level-controlling device for liquid containers. 1,787,130; Dec. 30.
- Turner, Edwin A. (See Chalker, A. R., and Turner.)
- Turner, Edwin A. (See Lower, N. M., Crawford, and Turner.)
- Turner, Edwin A. (See Lower, N. M., Osborne, and Turner.)
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Co., Inc. Stoker. 1,744,595; Jan. 21.
- Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 1,760,221; May 27.
- Turner, Edwin A., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Stoker mechanism. 1,779,570; Oct. 28.
- Turner, Edwin E., jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. Vacuum-tube circuits. 1,775,073; Sept. 2.
- Turner, Eldon A., Graniteville, Mass. Windshield cleaner. 1,749,049; Mar. 4.
- Turner, Frank L. (See Lafferty, A. R. and Turner.)
- Turner, George A., Stockton, Calif. Self-cleaning screen. 1,761,244; June 3.
- Turner, George S., New Brunswick, N. J. Attachment for collapsible tubes. 1,765,114; June 17.
- Turner, Giles M., Milwaukee, Wis. Tiering means for elevating trucks. 1,742,738; Jan. 7.
- Turner Glass Corporation. (See Cohn, Ernest, assignor.)
- Turner Glass Corporation. (See Teague, Walter D., assignor.)
- Turner, Guilford S., assignor to T-Z Railway Equipment Co., Chicago, Ill. Washout plug. 1,776,341; Sept. 23.
- Turner, Hal, Tulsa, Okla. Index-cabinet slide. 1,787,344; Dec. 30.
- Turner, Harry W., Schenectady, N. Y., assignor to General Electric Company. Electrical winding. 1,756,892; Apr. 29.
- Turner, Henry, Kerry, Oreg. Mechanical pencil. 1,766,271; June 24.
- Turner, Horace W., Phoenix, N. Y. Heater. 1,776,762; Sept. 23.
- Turner, John F., D. H. Matthews, and M. F. Ross, Olean, assignors to Vacuum Oil Company, New York, N. Y. Demulsifying soap and producing it. 1,742,623; Jan. 7.
- Turner, John J., Williamsville, assignor to National Gypsum Company, Buffalo, N. Y. Plaster-board edge. 1,768,867; July 1.
- Turner, John W., H. Wood, and E. Mann, Halifax, England. Shock-absorbing device for mechanically-propelled vehicles. 1,753,099; Apr. 1.
- Turner, Lewis L., assignor to The Charles Parker Co., Meriden, Conn. Nut. 1,763,021; June 10.
- Turner, Otis E., Kirkwood, Mo., assignor to General Electric Company. Gas electric power apparatus. 1,745,130; Jan. 28.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing mechanism for looms. 1,752,403; Apr. 1.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Multicolor magazine. 1,752,404; Apr. 1.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing mechanism for double-shuttle looms. 1,752,405; Apr. 1.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Protector mechanism for looms. 1,756,610; Apr. 29.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Controlling weft ends in automatic looms. 1,756,709; Apr. 29.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread clearer for looms. 1,760,969; June 3.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. End-holding means for weft-replenishing looms. 1,766,731; June 24.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Disposal device for ejected weft carriers. 1,766,732; June 24.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Double-carpet weave. 1,771,973; July 29.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Double-shuttle loom. 1,777,387; Oct. 7.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin for weft-replenishing looms. 1,786,682; Dec. 30.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector. 1,786,683; Dec. 30.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Temple for double-fabric looms. 1,786,684; Dec. 30.
- Turner, Robert M. (See Dickson, J. F., and Turner.)
- Turner Rotary Plows. (See Turner, William, assignor.)
- Turner and Seymour Mfg. Company, The. (See Hilliard, John H., assignor.)
- Turner & Seymour Manufacturing Co., The. (See Round, Albert W., assignor.)
- Turner, Sherley C., Rosedale, W. Va. Winding attachment. 1,748,258; Feb. 25.
- Turner Tanning Machinery Company, The. (See Ballard, Harrie A., assignor.)
- Turner Tanning Machinery Company, The. (See Benjamin, John M., assignor.)
- Turner Tanning Machinery Co., The. (See Borione, Bernard A. L., assignor.)
- Turner Tanning Machinery Company, The. (See Brill, August C., assignor.)
- Turner Tanning Machinery Company, The. (See Brown, Oscar H., assignor.)
- Turner Tanning Machinery Company, The. (See Ellison, William A., assignor.)
- Turner Tanning Machinery Company, The. (See Liron, Maurice, assignor.)
- Turner Tanning Machinery Company, The. (See O'Donnell, John W., assignor.)
- Turner Tanning Machinery Company, The. (See Schettler, Gustav A., assignor.)
- Turner Tanning Machinery Company, The. (See Stackpole, Charles F., assignor.)
- Turner, Walter L., Paris, Tex. Mechanical cotton picker. 1,755,230; Apr. 22.
- Turner, William, Portland, Oreg. Window-screen device. 1,756,229; Apr. 29.
- Turner, William, assignor to Turner Rotary Plows, Chicago, Ill. Earthworking apparatus. 1,770,679; July 15.
- Turney, Barbara E. (See Sadler, Frederick W., assignor.)
- Turney, Eugene T., Holmes, N. Y. Film pack and holder. 1,757,984; May 13.
- Turnquist, Magnus, Chicago, Ill. Hinge device. 1,752,312; Apr. 1.
- Turnwald, Wolfgang, Syracuse, N. Y. Automobile hood clamp. 1,758,988; May 20.
- Turnwald, Wolfgang, Syracuse, N. Y. Engine heater. 1,759,969; May 27.
- Turrettini, Fernand, Geneva, Switzerland. Measuring device in connection with boring machines. 1,775,952; Sept. 16.
- Turse, William, Philadelphia, Pa. Adjustable lamp. 1,769,004; July 1.
- Turske, Walter W., Cleveland, Ohio. Motor mounting. 1,748,372; Feb. 25.

- Turville, Albert E., and D. D. S. Stewart, Northampton, England. Combined ophthalmoscope and slit lamp. 1,776,960; Sept. 30.
- Tuska, Clarence D., Hartford, Conn., assignor, by mesne assignments, to Radio Corporation of America. Radiocabinet. 1,746,750; Feb. 11.
- Tusting, Goodwin O., Alameda, Calif. Luggage carrier. 1,760,452; May 27.
- Tuteur, Charles, Chicago, Ill. Flower stand. Des. 81,355; June 10.
- Tuteur, Charles, Chicago, Ill. Doorstop. Des. 82,405; Oct. 28.
- Tuteur, Julius, Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc. Electric vacuum cleaner. Des. 81,678; July 22.
- Tuthill, James B. (See Wilsey, Irvn H., assignor.)
- Tuttle, Burr W., Chicago, Ill. Cement. 1,745,819; Feb. 4.
- Tuttle, Grover G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,770,680; July 15.
- Tuttle, Henry W., Chicago, Ill. Beverage-dispensing apparatus. 1,776,054; Sept. 16.
- Tuttle, William R. (See Stickel, C. W., and Tuttle.)
- Tuttle, Burr W., Chicago, Ill. Cement. 1,753,538; Apr. 8.
- Tuttle, Charles F. (See Maker, F. L., Cooley, and Tuttle.)
- Tuttle, Henry A., deceased, Upton, Mass.; J. L. Tuttle, executrix. Clutch mechanism. 1,752,313; Apr. 1.
- Tuttle, Clifton M. (See Jones, L. A., and Tuttle.)
- Tuttle, Clifton M., and H. E. White, assignors to Eastman Kodak Company, Rochester, N. Y. Automatic control for photographic-printing exposures. 1,742,943; Jan. 7.
- Tuttle, Grover G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-line oiler. 1,750,070; Mar. 11.
- Tuttle, Henry A., deceased, Upton, Mass.; J. L. Tuttle, executrix. Gearing mechanism. 1,757,026; May 6.
- Tuttle, Henry A., deceased, Upton, Mass.; J. L. Tuttle, executrix. Clutch mechanism. 1,757,027; May 6.
- Tuttle, Henry A., deceased, Upton, Mass.; J. L. Tuttle, executrix. Reversing mechanism. 1,759,472; May 20.
- Tuttle, Jennie L., executrix. (See Tuttle, Henry A.)
- Tuttle, Martin, Des Moines, Iowa. Grinding apparatus. 1,756,710; Apr. 29.
- Tuxhorn, Blaine M., assignor to Aero-Safe Motors Corporation, Kansas City, Mo. Airplane-loading device. 1,744,934; Jan. 28.
- Tweddell, Oscar G., assignor of sixty per cent to F. Fiesellmann, Detroit, Mich. Vertical turret lathe. 1,783,637; Dec. 2.
- Tweed, Frederick H., assignor to Dole Valve Company, Chicago, Ill. Air valve. 1,778,612; Oct. 14.
- Tweed, Robert R., Audubon, N. J. Horseshoe. 1,747,850; Feb. 18.
- Twiet, Olav, Orange, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Elevating and lowering mechanism for magazines of charging machines. 1,770,560; July 15.
- Twelker, John C. (See Malwurm, Paul, assignor.)
- Twetten, Clarence H. (See Hudson, A. M. and Twetten.)
- Twetten, Clarence H., and A. M. Hudson, Round Lake, Minn. Automobile direction-signal switch. 1,766,315; June 24.
- Twiford, William R. and G. Oehler, Miami, Fla. Dog-racing apparatus. 1,755,676; Apr. 22.
- Twin Coach Company. (See Fageol, Frank R., assignor.)
- Twin Disc Clutch Company. (See Pearmain, William J., assignor.)
- Twin High Transmission Company, The. (See Ahlm, Charles E. F., assignor.)
- Twin-Plex Metal Manufacturing Corporation. (See Abrahamson, Edwin W., assignor.)
- Twiss, Alfred T., Trafford, Pa., assignor to Westinghouse Electric & Manufacturing Company. Disconnecting switch. 1,747,460; Feb. 18.
- Twiss, Alfred T., Trafford, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-interrupting mechanism. 1,753,956; Apr. 8.
- Twiss, Daniel, assignor to Hynson, Westcott & Dunning, Inc., Baltimore, Md. Halogenated ortho-sulpho-benzoic acid compounds. 1,760,328; May 27.
- Twitchell, Morton C., Spencerport, assignor to General Railway Signal Company, Rochester, N. Y. Railway-traffic-controlling system. 1,766,567; June 24.
- Twitchell Process Company, The. (See Heckel, H., and Reddish, assignors.)
- Twitchell Process Company, The. (See Reddish, Warren T., assignor.)
- Twombly, John I., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,778,436; Oct. 14.
- Two-Season Process, Inc., The. (See Posey, James, assignor.)
- Two-Tone Corporation, The. (See Mijer, Pieter, assignor.)
- Two-Tone Corporation. (See Mijer, P., Scott, and Radford, assignors.)
- Two-Tone Corporation. (See Scott, Lester C., assignor.)
- Two-way Electric Grinder Company, The. (See Gibson, Carter C., assignor.)
- Twyman, Frank, and J. Perry, assignors to Adam Hilger, Ltd., London, England. Colorimeter. 1,775,148; Sept. 9.
- Tybon Corporation. (See Somers, Elward B., assignor.)
- Tychie, William, Grosse Isle, Manitoba, Canada. Mowing machine. 1,763,022; June 10.
- Tyden, Emil, Evanston, Ill. Sprinkler-system main valve. 1,763,834; June 17.
- Tygart Valley Glass Company. (See Noble, Olbert C., assignor.)
- Tyler, Alva W., Monterey Park, Calif. Continuous calcination of gypsum. 1,746,294; Feb. 11.
- Tyler, Augustus, Flint, Mich. Resilient tire. 1,748,318; Feb. 25.
- Tyler, Francis, Jersey City, N. J. Automobile body. Des. 81,735; July 29.
- Tyler, Frederick H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,547; June 3.
- Tyler, John C., and T. E. Leavey, assignors to Farmers' Underwriters Association, Los Angeles, Calif. Badge. Des. 81,425; June 17.
- Tyler, John G., C. C. Taylor, and W. S. Johnson, assignors to California Peach & Fig Growers Association, Fresno, Calif. Fig-sterilization apparatus. 1,782,522; Nov. 25.
- Tyler, W. S., Company, The. (See Disbro, Roger W., assignor.)
- Tyler, W. S., Company, The. (See Griffith, T. E., and Dodds, assignors.)
- Tyler, W. S., Company, The. (See Helman, August E., assignor.)
- Tyler, W. S., Company, The. (See Reynolds, Morley P., assignor.)
- Tyler, Warren C., East Orange, N. J., assignor, by mesne assignments, to W. C. Lipe, Inc., Syracuse, N. Y. Hoisting mechanism. 1,763,023; June 10.
- Tymstra, Sybren R., Flushing, assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Cylinder and mechanism operated thereby. 1,761,600; June 3.
- Tynan, Henry J., Ridgewood, N. J. Twine holder and cutter. 1,784,258; Dec. 9.
- Tynes, Thomas E., Buffalo, N. Y. Flue thimble. 1,745,198; Jan. 28.
- Typograph-Gesellschaft m. b. H. (See Dorneth, Julius, assignor.)
- Typograph G. m. b. H. (See Dorneth, Julius, assignor.)
- Typographic Machines Company, The. (See Poeppelmeier, Frank H., assignor.)
- Ty-Sa-Man Machine Company. (See Savage, Arthur, assignor.)
- Tyson, Harold A., London, Ohio, assignor to The Ohio Tubular Products Company. Sign anchor. 1,745,517; Feb. 4.
- Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Metal rolling. 1,763,279; June 10.
- Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling mill. 1,786,793; Dec. 30.
- Tzinski, Walter C., Baltimore, Md. Shelter cover for rumble seats. 1,767,159; June 24.
- U. C. & C. Research Labs. Inc. (See Lytle, Arthur R., assignor.)
- U. G. I. Contracting Company, The. (See Chrisman, Charles S., assignor.)
- U. G. I. Contracting Company, The. (See Parsons, Morgan, assignor.)
- U. G. I. Contracting Company, The. (See Terzian, Harutyun G., assignor.)
- U S L Battery Corporation. (See Reid, Albert R., assignor.)
- Uchiyama, Edward R., Sacramento, Calif. Game apparatus. 1,754,130; Apr. 8.
- Uddenborg, Johan R., Chicago, Ill. Machine for thinning and cultivating plants. 1,779,834; Oct. 28.
- Ude, William C., East Haven, Conn. Collapsible tube. 1,782,980; Nov. 25.
- Udelewitz, Solomon S., Baltimore, Md. Pneumatic jack and shock absorber. 1,776,939; Sept. 30.
- Uden, Jacob T., New York, N. Y. Shoe-shining machine. 1,774,576; Sept. 2.
- Udy, Marvin J., Niagara Falls, N. Y. Producing two-toned finish on metal surfaces. 1,780,212; Nov. 4.
- Udy, Marvin J., Niagara Falls, N. Y., assignor to Electro Metallurgical Co. Producing chromic acid. 1,784,950; Dec. 16.
- Uebelhoer, Marvin. (See Uebelhoer, Walter, assignor.)
- Uebelhoer, Walter, assignor of one-half to M. Uebelhoer, Buffalo, N. Y. Wheel puller. 1,780,888; Nov. 4.
- Uehling, Fritz F., Passaic, N. J. Recording galvanometer. 1,758,416; May 13.
- Ufford, Helen, New York, N. Y., assignor to Quaker Oats Company, Chicago, Ill. Plate or similar article. Des. 82,195; Sept. 30.
- Ufford, Helen, New York, N. Y., assignor to Quaker Oats Company, Chicago, Ill. Sugar bowl or similar article. Des. 82,634; Nov. 25.
- Ufford, Helen, New York, N. Y., assignor to Quaker Oats Company, Chicago, Ill. Cup or similar article. Des. 82,635; Nov. 25.
- Uggla, Wilhelm R., Morby, Stocksund, assignor to Luth & Roséne Elektriska Aktiebolag, Stockholm, Sweden. Gearing. 1,771,696; July 29.
- Uggla, Wilhelm R., Morby, Stocksund, assignor to Luth & Roséne Elektriska Aktiebolag, Stockholm, Sweden. Yieldable carrier for motion-transmitting devices. 1,781,418; Nov. 11.

- Ughetti La Corsa, Luigi, Turin, Italy. Electrolyzer. 1,770,789; July 15.
- Ughi, James, New Boston, Ohio. Diver's bell. 1,758,094; May 13.
- Uhde, Georg F., Bovinghausen, Germany. Separating ammonia from gases and mixtures of gases containing ammonia. 1,745,730; Feb. 4.
- Uhde, Georg F., Bovinghausen, Germany. Synthetically producing ammonia from its elements. 1,750,551; Mar. 11.
- Uhde, Robert. (See Hartmann, O. H., and Uhde.)
- Uhde, Robert, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Cassel-Wilhelmshe, Germany. Resuperheating of interstage steam. 1,745,964; Feb. 4.
- Uhde, Robert, Kassel-Wilhelmshe, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Kassel-Wilhelmshe, Germany. Heat transfer. 1,768,222; June 24.
- Uher, Edmund, jr., Budapest, Hungary, assignor to Uhertype A. G., Glarus, Switzerland. Controlling device. 1,771,905; July 29.
- Uher, Edmund, jr., Budapest, Hungary, assignor to Uhertype A. G., Glarus, Switzerland. Machine for composing photographic prints. 1,776,527; Sept. 23.
- Uhertype A. G. (See Uher, Edmund, jr., assignor.)
- Uhl, Albert, and P. E. Brickie, Chicago, Ill. Conduit support. 1,749,725; Mar. 4.
- Uhl, Arthur W., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Electrical signaling device. 1,765,466; June 24.
- Uhl, Ben F., Richmond Hill, New York (assignor to Industrial Spray-Drying Corporation, New York, N. Y. Method and apparatus for processing materials by means of gases. 1,782,054; Nov. 18.
- Uhl, Robert L., Ontario, Calif., assignor to Edison Electric Appliance Company, Chicago, Ill. Toaster. 1,769,893; July 1.
- Uhl, Walter L., New York, N. Y. Pencil pointer. 1,747,269; Feb. 18.
- Uhle, David J., and J. V. Durnin, Allentown, Pa. Pulverizing or grinding mill. 1,752,314; Apr. 1.
- Uhle, David J., and J. V. Durnin, Allentown, Pa. Pulverizing or grinding mill. 1,752,622; Apr. 1.
- Uhle, David J., and J. V. Durnin, Allentown, Pa. Pulverizing or grinding mill. 1,752,623; Apr. 1.
- Uhlmann, Theodore F., Glen Morris, assignor to Nicholas Power Company, Inc., New York, N. Y. Lamp for projecting apparatus. 1,754,658; Apr. 15.
- Uhlmann, William R., Evanston, Ill. Lens mounting or the like. Des. 81,946; Sept. 2.
- Uhlig, Edward C., and E. J. Murphy, Brooklyn, N. Y., assignors to The Bartlett Hayward Company, Baltimore, Md. Purifying gases. 1,771,153; July 22.
- Uhlig, George, Portland, Ore. Diving apparatus. 1,755,939; Apr. 22.
- Uhlig, Karl R., Spiegelau, Germany. Ball catching and throwing device. 1,767,232; June 24.
- Uhlig, Paul, Paterson, and W. Ulrich, Little Falls, N. J. Thread guide. 1,760,453; May 27.
- Uhlig, Richard, Bethlehem, Pa. Device for weighing material during its motion through a conveyer. 1,751,898; Mar. 25.
- Uhlmann, Alfred, Berlin-Steglitz, Germany, assignor to Albert T. Otto & Sons, New York, N. Y. Manufacturing objects from nonconducting materials. 1,768,869; July 1.
- Uhlmann, Otto E., assignor to Keeler Brass Company, Grand Rapids, Mich. Door pull. Des. 82,402; Oct. 28.
- Uhlmann, Otto E., assignor to Keeler Brass Company, Grand Rapids, Mich. Door pull. Des. 82,403; Oct. 28.
- Uhri, William C., jr., Clayton, assignor to Central Engineering and Sales Company, St. Louis, Mo. Nozzle. 1,751,719; Mar. 25.
- Uhrig, John H., Beverly, assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Centrifugal pipe mold. 1,746,373; Feb. 11.
- Uhrig, John H., Beverly, assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Centrifugal pipe-casting machine. 1,746,374; Feb. 11.
- Uhrig, John H., Beverly, N. J., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Casting pipes. 1,758,483; May 13.
- Uhrig, John H., Beverly, assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Centrifugal pipe-mold structure. 1,767,024; June 24.
- Uhrig, Richard V., Los Angeles, Calif. Slip for rotary tables and spiders for handling pipe. 1,752,822; Apr. 1.
- Uhrig, Richard V., Alhambra, Calif. Slip. 1,763,872; June 17.
- Uhrin, Louis, Westminster, Md. Mortising tool. 1,762,457; June 10.
- Ulbing, Alois, Ottersee, Upper Austria. Focusing device for cameras. 1,744,691; Jan. 21.
- Ulffers, Fritz. (See Stephan, K., and Ulffers.)
- Ulffers, Fritz, Berlin-Charlottenburg, assignor to Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Manufacturing esters of the barneols. 1,755,752; Apr. 22.
- Ullgren, Johan D., Stocksund, assignor to Aktiebolaget Karlstads Mekaniska Verkstad, Karlstad, Sweden. Drying apparatus. 1,779,571; Oct. 28.
- Ullman, Harold P. (See Boettler, Albert V., assignor.)
- Ullman, Herbert G., Tuckahoe, N. Y. Heat interchanger. 1,742,329; Jan. 7.
- Ullman, Herbert G., Tuckahoe, N. Y. Heat-interchange device. 1,785,159; Dec. 16.
- Ullmann, Francois. (See Prétot, M., and Ullmann.)
- Ullmann, Friedrich, Zwickau, Germany. Preliminary treatment of metal plates for the production of printing plates. 1,785,606; Dec. 16.
- Ullmann, Gustav, Vienna, Austria. Rendering harmless substances which cause hardness in soaping and washing operations and for the production of means suitable therefor. 1,743,054; Jan. 7.
- Ullmann, Gustav, Vienna, Austria, and W. Seck, Augsburg, Germany. Carrying out washing operations with hard water. 1,746,170; Feb. 4.
- Ullmann, Harry M., and E. R. Theis, Bethlehem, Pa. Unhairing hides and skins. 1,753,539; Apr. 8.
- Ulrich, Rudolf, assignor, by mesne assignments, to Textile Machine Works, Wyomissing, Pa. Tension-bar mechanism for knitting machines. 1,763,280; June 10.
- Ulring, George, Chicago, Ill. Roll wiper or cleaner for printing presses and similar machines. 1,756,841; Apr. 29.
- Ulp, Alfred R., Pasadena, Calif. Spring boot. 1,753,257; Apr. 8.
- Ulrey, Clayton T. (See Rentschler, H. C., Marden, and Ulrey.)
- Ulrey, Clayton T., East Orange, N. J., assignor to Westinghouse Lamp Company. Manufacture of electron-emitting devices and the like. 1,760,454; May 27.
- Ulrey, Dayton, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mercury arc rectifier. 1,757,605; May 6.
- Ulrich, Carl J. (See Carlson, P. E., and Ulrich.)
- Ulrich, Charles B., assignor to Art Metal Construction Company, Jamestown, N. Y. Flooring. 1,762,249; June 10.
- Ulrich, Edward F., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,780,411; Nov. 4.
- Ulrich, Oswald, assignor to Emil J. Paidar Co., Chicago, Ill. Paper holder and cutter. 1,773,606; Aug. 19.
- Ulrich, Walter. (See Uhlig, F., and Ulrich.)
- Ulrich, Wilhelm, assignor to Deutsche Werke Kiel Aktiengesellschaft, Kiel, Germany. Two-stroke internal-combustion engine. 1,749,859; Mar. 11.
- Ultra-Violet Generator Corporation, The. (See Chesney, Jacques, W. D., assignor.)
- Ulvad, Bernhard E., Long Island City, assignor to Ruby Lamp Mfg. Co. Inc., New York, N. Y. Lighting-fixture arm or article of similar nature. Des. 81,036; Apr. 22.
- Umbarger, Harlow I., Buford, Alberta Canada. Blind ditcher. 1,765,185; June 17.
- Umbreit, Emil C., Rock Lake, N. Dak. Distributing apparatus. 1,750,552; Mar. 11.
- Umboltz, Robert B., and R. A. Birmingham, Buena Vista, Va., assignors to The American Valve and Meter Company, Cincinnati, Ohio. Lubricating device for car wheels and tracks. 1,757,402; May 6.
- Umstead, James R., Huntington, W. Va., assignor to F. H. Brundage, Toledo, Ohio. Dispensing device. 1,753,585; Apr. 8.
- Underhill, Joseph A., and C. G. Hemenway, assignors to Hampden Manufacturing Co., New York, N. Y. Card-holding clip. 1,763,024; June 10.
- Underland, Cornelius, Elkton, S. Dak. Loading attachment for tractors. 1,784,558; Dec. 9.
- Undertakers' Supply Co., The. (See Herrmann, Isaac, assignor.)
- Underwood, Western Santa Monica, Calif. Street lamp. Des. 82,636; Nov. 25.
- Underwood, Western, Santa Monica, assignor to La Lux Manufacturing Company, Los Angeles, Calif. Mold-rotating machine. 1,757,274; May 6.
- Underwood, Western, Santa Monica, assignor to La Lux Manufacturing Company, Los Angeles, Calif. Construction for lighting posts and the like. 1,777,509; Oct. 7.
- Underwood, Charles E., and J. A. Beatty, Bethlehem, Pa., assignors to Bethlehem Steel Company. Coke-oven heating flue. 1,751,775; Mar. 25.
- Underwood Elliott Fisher Company. (See Bradley, Arthur A., assignor.)
- Underwood Elliott Fisher Company. (See Conard, Frederick U., assignor.)
- Underwood Elliott Fisher Company. (See Cooper, John J., assignor.)
- Underwood-Elliott Fisher Company. (See Dobson, William A., assignor.)
- Underwood Elliott Fisher Company. (See Goetz, A. Edgar, assignor.)
- Underwood Elliott Fisher Company. (See Hausman, Walter J., assignor.)
- Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
- Underwood Elliott Fisher Company. (See Koch, William C., assignor.)
- Underwood Elliott Fisher Company. (See Kupetz, Adolph G., assignor.)
- Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)
- Underwood Elliott Fisher Company. (See Kurowski, A. G. F., and Lawrence, assignors.)
- Underwood Elliott Fisher Company. (See Kurowski, A. G. F., and Smith, assignors.)
- Underwood Elliott Fisher Company. (See Lear, Arthur F., assignor.)
- Underwood Elliott Fisher Company. (See Norin, Carl E., assignor.)

- Underwood Elliott Fisher Company. (See Oswald, Alfred E., assignor.)
- Underwood Elliott Fisher Company. (See Resch, Henry, assignor.)
- Underwood Elliott Fisher Company. (See Rowley, Edward G., assignor.)
- Underwood Elliott Fisher Company. (See Schneider, Josef C. M., assignor.)
- Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
- Underwood Elliott Fisher Company. (See Stickney, Burnham C., assignor.)
- Underwood Elliott Fisher Company. (See Vickers, Harry H., assignor.)
- Underwood Elliott Fisher Company. (See Von Reppert, Richard, assignor.)
- Underwood, Ernest E. (See Stuber, A., and Underwood.)
- Underwood, Ernest E., assignor to Eastman Kodak Company, Rochester, N. Y. Control for film-advancing mechanism. 1,742,796; Jan. 7.
- Underwood, George E. (See Binnier, F., and Underwood.)
- Underwood, James, Bangor, and J. J. Barnet, Easton, Pa., assignors to Julius Kayser & Co., New York, N. Y. Apparatus and method for examining material. 1,771,697; July 29.
- Underwood, Leon, New York, N. Y. Vehicle construction. 1,787,131; Dec. 30.
- Underwood, Robert C., Brooklyn, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Tape puller. 1,776,093; Sept. 16.
- Ungar, Gustave A. (See Steindorff, U. F. L., and Ungar.)
- Ungar, Gustave A., Pelham Manor, N. Y. Cutting shears and driving mechanism therefor. 1,775,791; Sept. 16.
- Ungar, Gustave A., Pelham Manor, N. Y., assignor to Unishear Company, Inc. Cutting blade for shears. 1,765,317; June 17.
- Unger, Lloyd A., trustee. (See Lonaberger, R. F., and Sands, assignors.)
- Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Electrical induction apparatus. 1,769,871; July 1.
- Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Electric furnace. 1,786,322; Dec. 23.
- Unger, Nathan, New York, N. Y. Annunciator. 1,767,233; June 24.
- Unger, Paul, Remscheid, Germany. Producing the teeth on files, saws, and similar tools. 1,776,711; Sept. 23.
- Unger, Paul O., assignor to McMillan Book Company, Syracuse, N. Y. Lock for loose-leaf binders. 1,759,426; May 20.
- Unger, Paul O., assignor to McMillan Book Company, Syracuse, N. Y. Looseleaf record book. 1,763,075; June 10.
- Unger, Raymond J. (See Herby, W. R., and Unger.)
- Unico Motor Products Corporation. (See Walter, Frank H., assignor.)
- Union Bank of Chicago. (See Cowles, Irving, assignor.)
- Union Carbide Company. (See Mansfield, Ralph G., assignor.)
- Union Carbide & Carbon Research Laboratories, Inc. (See Lytle, Arthur R., assignor.)
- Union Carbide and Carbon Research Laboratories, Inc. (See Mott, Chester, assignor.)
- Union Carbide Sales Company. (See Callow, John M., assignor.)
- Union Chest and Cabinet Corporation. (See Pratt, Seely F., assignor.)
- Union Chimique Blege, Societe Anonyme. (See Guillisen, Joseph, assignor.)
- Union City Body Company. (See Adelsperger, C. C., and Fitzgerald, assignors.)
- Union Draft Gear Company. (See Cardwell, J. R., and Cotton, assignors.)
- Union Draft Gear Company. (See Cotton, Walter H., assignor.)
- Union Drawn Steel Company, The. (See Belles, Albert C., assignor.)
- Union Drawn Steel Company. (See Leech, Jacob T., assignor.)
- Union Electric Manufacturing Company. (See Mekelburg, Earl F., assignor.)
- Union Gas Engine Company. (See Davison, D., and Corson, assignors.)
- Union Guardian Trust Company. (See Dorner, Hermann I. A., assignor.)
- Union Hardware Company. (See Washington, Bowden, assignor.)
- Union Iron Works. (See Bach, George W., assignor.)
- Union Iron Works. (See Bronson, A. E., and Braden, assignors.)
- Union Iron Works. (See Smith, Mark E., assignor.)
- Union Iron Works. (See Wickey, Edward V., assignor.)
- Union Machinery Company. (See Elwood, Ward P., assignor.)
- Union Machinery Company. (See Streich, Frank, assignor.)
- Union Machinery Company. (See Streich, F., and Elwood, assignors.)
- Union Manufacturing Company. (See Bush, George G., assignor.)
- Union Manufacturing Company, The. (See Harner, J. Z., and Schweinhart, assignors.)
- Union Metal Manufacturing Company. (See Bale, Lawrence D., assignor.)
- Union Metal Manufacturing Company, The. (See Drumm, H. C., and Callaban, assignors.)
- Union Metal Manufacturing Company, The. (See Frahm, C. A., and Riemenschneider, assignors.)
- Union Metal Manufacturing Company, The. (See Riemenschneider, Edmund W., assignor.)
- Union Metal Products Company. (See Gilpin, Garth G., assignor.)
- Union Metal Products Company. (See Nicholas, Charles W., assignor.)
- Union Metal Products Company. (See Sisson, Vinton E., assignor.)
- Union Metal Products Company. (See Small, Arthur E., assignor.)
- Union Oil Company of California. (See Adams, Lynchburg, assignor.)
- Union Oil Company of California. (See Bushnell, Burdge O., assignor.)
- Union Oil Company of California. (See Marshall, Harry C., assignor.)
- Union Oil Company of California. (See Morgan, C. S., and Howell, assignors.)
- Union Oil Company of California. (See Subkow, Philip, assignor.)
- Union Railway Equipment Company. (See O'Connor, Arthur F., assignor.)
- Union Simplex Train Control Co. (See Miller, Monroe E., assignor.)
- Union Special Machine Company. (See Barber, Albert W., assignor.)
- Union Special Machine Company. (See Berger, Joseph, assignor.)
- Union Special Machine Company. (See Berger, J., and Hanneman, assignors.)
- Union Special Machine Company. (See Christensen, N. V., and Hanneman, assignors.)
- Union Special Machine Company. (See Christensen, N. V., and Le Vesconte, assignors.)
- Union Special Machine Company. (See Christensen, N. V., and Zeier, assignors.)
- Union Special Machine Company. (See Feigel, William A., assignor.)
- Union Special Machine Company. (See Hanneman, Walter M., assignor.)
- Union Special Machine Company. (See Hanson, Nathan E., assignor.)
- Union Special Machine Company. (See Le Vesconte, Harold J., assignor.)
- Union Special Machine Company. (See Mann, Joseph, assignor.)
- Union Special Machine Company. (See Moffatt, James R., assignor.)
- Union Special Machine Company. (See Riviere, Albert S., assignor.)
- Union Special Machine Company. (See Rubel, Charles F., assignor.)
- Union Special Machine Company. (See Zeier, Frederick F., assignor.)
- Union Special Maschinenfabrik, G. m. b. H. (See Lutz, Friedrich, assignor.)
- Union Special Maschinenfabrik, G. m. b. H. (See Maier, Karl, assignor.)
- Union Steel Products Company. (See Bitney, Dewey H., assignor.)
- Union Steel Products Company. (See Dean, Walter C., assignor.)
- Union Steel Products Company. (See Hatch, Charles T., assignor.)
- Union Switch & Signal Company, The. (See Ackerly, Donald G., assignor.)
- Union Switch & Signal Company, The. (See Alexander, Vincent S., assignor.)
- Union Switch & Signal Company, The. (See Allen, Walter P., assignor.)
- Union Switch & Signal Company, The. (See Ashworth, H. E., and Lazich, assignors.)
- Union Switch & Signal Company, The. (See Baughman, George W., assignor.)
- Union Switch & Signal Company, The. (See Beall, Charles R., assignor.)
- Union Switch & Signal Company, The. (See Bell, Charles W., assignor.)
- Union Switch & Signal Company, The. (See Blosser, Herman G., assignor.)
- Union Switch & Signal Company, The. (See Blosser, H. G., and McCann, assignors.)
- Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
- Union Switch & Signal Company, The. (See Bossart, Paul N., assignor.)
- Union Switch & Signal Company, The. (See Brooks, C. A., and Ritterbush, assignors.)
- Union Switch & Signal Company, The. (See Buchanan, Charles C., assignor.)
- Union Switch & Signal Company, The. (See Buck, Leo L., assignor.)
- Union Switch & Signal Company, The. (See Challans, Eric W., assignor.)
- Union Switch & Signal Company, The. (See Childe, L. B., and Kershaw, assignors.)
- Union Switch & Signal Company, The. (See Cobourn, Delbert F., assignor.)
- Union Switch & Signal Company, The. (See Coleman, John P., assignor.)

- Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)
 Union Switch & Signal Company, The. (See Failor, Charles W., assignor.)
 Union Switch & Signal Company, The. (See Fisher, Arthur W., assignor.)
 Union Switch & Signal Company, The. (See Geiger, Paul H., assignor.)
 Union Switch & Signal Company, The. (See Geiger, P. H., and Grondahl, assignors.)
 Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
 Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)
 Union Switch & Signal Company, The. (See Grondahl, L. O., and Howard, assignors.)
 Union Switch & Signal Company, The. (See Howard, Lemuel F., assignor.)
 Union Switch & Signal Company, The. (See Jefferson, Glenn V., assignor.)
 Union Switch & Signal Company, The. (See Kershaw, Arthur G., assignor.)
 Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
 Union Switch & Signal Company, The. (See Little, Edwin G., assignor.)
 Union Switch & Signal Company, The. (See Lockhart, W. K., and O'Meara, assignors.)
 Union Switch & Signal Company, The. (See Lockrow, Laurice L., assignor.)
 Union Switch & Signal Company, The. (See Loomis, Harold S., assignor.)
 Union Switch & Signal Company, The. (See Loomis, H. S., and Thompson, assignors.)
 Union Switch & Signal Company, The. (See Lucas, Samuel M., assignor.)
 Union Switch and Signal Company, The. (See Marks, T. E. D., and Padmore, assignors.)
 Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
 Union Switch & Signal Company, The. (See McWhirter, William C., assignor.)
 Union Switch & Signal Company, The. (See McWhirter, W. C., and Loomis, assignors.)
 Union Switch & Signal Company, The. (See McWhirter, W. C., and Speer, assignors.)
 Union Switch & Signal Company, The. (See Myers, John R., assignor.)
 Union Switch & Signal Company, The. (See Nettleton, Lewis L., assignor.)
 Union Switch & Signal Company, The. (See Nettleton, L. L., and Holte, assignors.)
 Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
 Union Switch & Signal Company, The. (See O'Meara, Thomas J., assignor.)
 Union Switch & Signal Company, The. (See Peter, Leslie H., assignor.)
 Union Switch & Signal Company, The. (See Price, Harry C., assignor.)
 Union Switch & Signal Company, The. (See Shaw, Noble C., assignor.)
 Union Switch & Signal Company, The. (See Snavelly, Clarence S., assignor.)
 Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
 Union Switch & Signal Company, The. (See Sosinski, Paul P., assignor.)
 Union Switch & Signal Company, The. (See Spray, Lester E., assignor.)
 Union Switch & Signal Company, The. (See Stoltz, C. F., and Ferling, assignors.)
 Union Switch & Signal Company, The. (See Stoker, Paul P., assignor.)
 Union Switch & Signal Company, The. (See Strobel, Charles K., assignor.)
 Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
 Union Switch & Signal Company, The. (See Vanhorn, James J., assignor.)
 Union Switch & Signal Company. (See Vantassel, Harry C., assignor.)
 Union Switch & Signal Company, The. (See Vencill, Albert L., assignor.)
 Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
 Union Switch & Signal Company. (See Witmer, Harold G., assignor.)
 Union Switch & Signal Company, The. (See Wolff, Henry W., assignor.)
 Union Switch & Signal Company, The. (See Wood, Willard A., assignor.)
 Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
 Union Tank & Pipe Co. (See Furey, Frederick M., assignor.)
 Union Tank & Pipe Co. (See Petersen, Thorvald A. M., assignor.)
 Union Tool Chest Company. (See Pratt, Seely F., assignor.)
 Union Tool Company. (See Zerbe, L. E., and Archer, assignors.)
 Union Trust Company, executor. (See Sanger, Walter E.)
 Union Trust Company, The. (See Trench, Harry G., assignor.)
 Unique Spark Plug Cleaner Co. (See Floyd, Ray H., assignor.)
 Unishear Company. (See Steindorff, U. F. L., and Ungar, assignors.)
 Unishear Company. (See Ungar, Gustave A., assignor.)
 United American Soda Fountain Company. (See Condon, Ernest L., assignor.)
 United Auto Trunk Co. (See Balin, Samuel, assignor.)
 United Autographic Register Company, The. (See Cooke, Allen B., assignor.)
 United Candy Company. (See Swett, Wesley S., assignor.)
 United-Carr Fastener Corporation. (See Anderson, Andrew G., assignor.)
 United-Carr Fastener Corporation. (See Borresen, Helge A., assignor.)
 United-Carr Fastener Corporation. (See Carr, Fred S., assignor.)
 United-Carr Fastener Corporation. (See Carr, Moses F., assignor.)
 United-Carr Fastener Corporation. (See Crosby, Earle M., assignor.)
 United-Carr Fastener Corporation. (See Goddu, Louis E., assignor.)
 United-Carr Fastener Corporation. (See Hall, Charles L., assignor.)
 United-Carr Fastener Corporation. (See Holmes, George A., assignor.)
 United-Carr Fastener Corporation. (See Johnson, Alfred F., assignor.)
 United-Carr Fastener Corporation. (See Johnson, Gustav, assignor.)
 United-Carr Fastener Corporation. (See Jones, Walter L., assignor.)
 United-Carr Fastener Corporation. (See Maynard, George S., assignor.)
 United-Carr Fastener Corporation. (See Taylor, Raymond D., assignor.)
 United-Carr Fastener Corporation. (See Walters, Rollo F., assignor.)
 United Cigarette Machine Company Aktiengesellschaft. (See Gottschalk, Paul, assignor.)
 United Cigarette Machine Company Aktiengesellschaft. (See Lorentz, Valentin, assignor.)
 United Combustion Engineers Inc. (See Sinclair, Robert, assignor.)
 United Conveyor Corporation. (See Tolman, E. B., jr., and Brueckler, assignors.)
 United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)
 United Engineering & Foundry Company. (See Johnson, Lane, assignor.)
 United Engineering & Foundry Company. (See Klein, Clarence J., assignor.)
 United Engineering and Foundry Company. (See McBane, W. W., and Klein, assignors.)
 United Engineering & Foundry Company. (See Remmen, Jorgen, assignor.)
 United Engineering & Foundry Company. (See Smitmans, John A., assignor.)
 United Engineers & Constructors Inc. (See Haug, John S., assignor.)
 United Gas Improvement Company, The. (See Kunberger, Albert F., assignor.)
 United Kitchen Equipment Co. (See Greenwald, Paul, assignor.)
 United Fruit Company. (See Gross, Henry, assignor.)
 United Metal Box Co. (See Hammer, Samuel, assignor.)
 United Milk Crate Corporation. (See Wildberg, Henry, assignor.)
 United Milk Crate Corporation. (See Wildberg, Richard N., assignor.)
 United Mill Supply, Inc. (See Gaouette, A. J., and Cote, assignors.)
 United Oil Company. (See Barton, Paul D., assignor.)
 United Piece Dye Works. (See Stark, Joseph H., assignor.)
 United Products Corporation of America. (See Biddle, Arthur, assignor.)
 United Reproducers Corporation. (See Bobrovsky, Igor S., assignor.)
 United Reproducers Corporation. (See Cutting, F., and Maloff, assignors.)
 United Reproducers Corporation. (See Eisenhour, Bert E., assignor.)
 United Reproducers Corporation. (See Harriis, Isaac, assignor.)
 United Reproducers Corporation. (See Hawley, J. B., and Townsend, assignors.)
 United Reproducers Corporation. (See Hawley, Jesse B., assignors.)
 United Reproducers Patents Corporation. (See Crozier, William D., assignor.)
 United Reproducers Patents Corporation. (See Kyle, Colin, assignor.)
 United Research Corporation. (See Bradshaw, H. C., and De Forest, assignors.)
 United Research Corporation. (See Nystrom, Martin, assignor.)
 United Shoe Machinery Corporation. (See Alkonis, James F., assignor.)
 United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
 United Shoe Machinery Corporation. (See Ashworth, F., and Thompson, assignors.)

- United Shoe Machinery Corporation. (See Ballard, Milton H., assignor.)
- United Shoe Machinery Corporation. (See Ballard, M. H., and Sealey, assignors.)
- United Shoe Machinery Corporation. (See Barclay, William R., assignor.)
- United Shoe Machinery Corporation. (See Barclay, W. R., and Woodcock, assignors.)
- United Shoe Machinery Corporation. (See Bates, A., and Keall, assignors.)
- United Shoe Machinery Corporation. (See Bates, A., and Ricks, assignors.)
- United Shoe Machinery Corporation. (See Baxter, William C., assignor.)
- United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
- United Shoe Machinery Corporation. (See Benjamin, John M., assignor.)
- United Shoe Machinery Corporation. (See Bennion, Leslie H., assignor.)
- United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
- United Shoe Machinery Corporation. (See Bonser, Ernest F., assignor.)
- United Shoe Machinery Corporation. (See Boulton, George, assignor.)
- United Shoe Machinery Corporation. (See Bourn, Stephen W., assignor.)
- United Shoe Machinery Corporation. (See Bresnahan, Maurice V., assignor.)
- United Shoe Machinery Corporation. (See Brice, A. W., and Hamann, assignors.)
- United Shoe Machinery Corporation. (See Brogan, James A., assignor.)
- United Shoe Machinery Corporation. (See Buckminster, Ira C., assignor.)
- United Shoe Machinery Corporation. (See Burns, Robert J., assignor.)
- United Shoe Machinery Corporation. (See Cavanagh, James, assignor.)
- United Shoe Machinery Corporation. (See Chapin, Herbert L., assignor.)
- United Shoe Machinery Corporation. (See Chiasson, George, assignor.)
- United Shoe Machinery Corporation. (See Cocozella, Anthony, assignor.)
- United Shoe Machinery Corporation. (See Cosgrove, John W., assignor.)
- United Shoe Machinery Corporation. (See Coyne, Guy R., assignor.)
- United Shoe Machinery Corporation. (See Crowley, John F., assignor.)
- United Shoe Machinery Corporation. (See Davenport, H. A., and Hopkins, assignors.)
- United Shoe Machinery Corporation. (See Davenport, Herman A., assignor.)
- United Shoe Machinery Corporation. (See Davis, Alson H., assignor.)
- United Shoe Machinery Corporation. (See Dostie, Albert W., assignor.)
- United Shoe Machinery Corporation. (See Drechsler, Otto, assignor.)
- United Shoe Machinery Corporation. (See Elliott, Harold E., assignor.)
- United Shoe Machinery Corporation. (See Emerson, Edwin L., assignor.)
- United Shoe Machinery Corporation. (See Eppler, Andrew, assignor.)
- United Shoe Machinery Corporation. (See Erickson, Edward, assignor.)
- United Shoe Machinery Corporation. (See Fausse, Joseph, assignor.)
- United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
- United Shoe Machinery Corporation. (See Fossa, Joseph, assignor.)
- United Shoe Machinery Corporation. (See Fowler, Alfred B., assignor.)
- United Shoe Machinery Corporation. (See Fromm, Willy, assignor.)
- United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)
- United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
- United Shoe Machinery Corporation. (See Glass, P. R., and McIntire, assignors.)
- United Shoe Machinery Corporation. (See Glidden, Harvey L., assignor.)
- United Shoe Machinery Corporation. (See Goddu, George, assignor.)
- United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)
- United Shoe Machinery Corporation. (See Gordon, George N., assignor.)
- United Shoe Machinery Corporation. (See Gordon, G. N., and Sampson, assignors.)
- United Shoe Machinery Corporation. (See Gorman, Henry B., assignor.)
- United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)
- United Shoe Machinery Corporation. (See Gouldbourn, J., and Minett, assignors.)
- United Shoe Machinery Corporation. (See Gouldbourn, J., and Ricks, assignors.)
- United Shoe Machinery Corporation. (See Hall, Walter H., assignor.)
- United Shoe Machinery Corporation. (See Hallam, Harry, assignor.)
- United Shoe Machinery Corporation. (See Hamann, William, assignor.)
- United Shoe Machinery Corporation. (See Hatch, George H., assignor.)
- United Shoe Machinery Corporation. (See Hood, Harry L., assignor.)
- United Shoe Machinery Corporation. (See Hope, E., and Richards, assignors.)
- United Shoe Machinery Corporation. (See Hurd, E. L., and Tibbetts, assignors.)
- United Shoe Machinery Corporation. (See Jones, John L., assignor.)
- United Shoe Machinery Corporation. (See Johnson, William H., assignor.)
- United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
- United Shoe Machinery Corporation. (See Jorgensen, J. C., and Knowlton, assignors.)
- United Shoe Machinery Corporation. (See Kelly, John A., assignor.)
- United Shoe Machinery Corporation. (See Kershaw, John T., assignor.)
- United Shoe Machinery Corporation. (See Kilburn, K., and Seely, assignors.)
- United Shoe Machinery Corporation. (See Kinney, Fay D., assignor.)
- United Shoe Machinery Corporation. (See Knight, Ralph F., assignor.)
- United Shoe Machinery Corporation. (See Knowlton, Cutler D., assignor.)
- United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)
- United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
- United Shoe Machinery Corporation. (See Lambert, Leo J., assignor.)
- United Shoe Machinery Corporation. (See Lander, Clarence I., assignor.)
- United Shoe Machinery Corporation. (See Lawson, Oscar L., assignor.)
- United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
- United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)
- United Shoe Machinery Corporation. (See Macdonald, Lester S., assignor.)
- United Shoe Machinery Corporation. (See Mackenzie, Fred L., assignor.)
- United Shoe Machinery Corporation. (See Matthews, Algernon W., assignor.)
- United Shoe Machinery Corporation. (See Maxwell, W., and De Tour, assignors.)
- United Shoe Machinery Corporation. (See Megathlin, Ralph S., assignor.)
- United Shoe Machinery Corporation. (See McIntire, James E., assignor.)
- United Shoe Machinery Corporation. (See Miner, George A., assignor.)
- United Shoe Machinery Corporation. (See Minett, Wilfrid T., assignor.)
- United Shoe Machinery Corporation. (See Molyneux, George E., assignor.)
- United Shoe Machinery Corporation. (See Murphy, Everett E., assignor.)
- United Shoe Machinery Corporation. (See Nabb, James W., assignor.)
- United Shoe Machinery Corporation. (See Novell, Stanley P., assignor.)
- United Shoe Machinery Corporation. (See Nutt, William H., assignor.)
- United Shoe Machinery Corporation. (See Peake, John F., assignor.)
- United Shoe Machinery Corporation. (See Perry, Antone J., assignor.)
- United Shoe Machinery Corporation. (See Perry, Frederick H., assignor.)
- United Shoe Machinery Corporation. (See Pfersdorf, Christian, assignor.)
- United Shoe Machinery Corporation. (See Pope, Elmer R., assignor.)
- United Shoe Machinery Corporation. (See Pope, J. H., and Hadaday, assignors.)
- United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)
- United Shoe Machinery Corporation. (See Pym, Charles F., and A. F., assignors.)
- United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
- United Shoe Machinery Corporation. (See Reed, James H., assignor.)
- United Shoe Machinery Corporation. (See Richardson, John H., assignor.)
- United Shoe Machinery Corporation. (See Richardson, J. H., and Hudson, assignors.)
- United Shoe Machinery Corporation. (See Ricks, F., and Richards, assignors.)
- United Shoe Machinery Corporation. (See Ridderstrom, Andrew R., assignor.)
- United Shoe Machinery Corporation. (See Roberts, Clifford, assignor.)

- United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
 United Shoe Machinery Corporation. (See Rowe, Edgar E., assignor.)
 United Shoe Machinery Corporation. (See Ryan, G. F., and Burke, assignors.)
 United Shoe Machinery Corporation. (See Sawyer, Harold L., assignor.)
 United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)
 United Shoe Machinery Corporation. (See Seely, T. H., and Ballard, assignors.)
 United Shoe Machinery Corporation. (See Shaffer, Walter D., assignor.)
 United Shoe Machinery Corporation. (See Smith, John K., assignor.)
 United Shoe Machinery Corporation. (See Smith, Orin L., assignor.)
 United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
 United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
 United Shoe Machinery Corporation. (See Standish, John F., assignor.)
 United Shoe Machinery Corporation. (See Stewart, William C., assignor.)
 United Shoe Machinery Corporation. (See Sullivan, Dennis J., assignor.)
 United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)
 United Shoe Machinery Corporation. (See Upham, Harry E., assignor.)
 United Shoe Machinery Corporation. (See Warren, George E., assignor.)
 United Shoe Machinery Corporation. (See Warren, Harold, assignor.)
 United Shoe Machinery Corporation. (See Webb, Ellis, assignor.)
 United Shoe Machinery Corporation. (See Webb, Horace D., assignor.)
 United Shoe Machinery Corporation. (See Williams, Frederick P., assignor.)
 United Shoe Machinery Corporation. (See Windram, Arthur H. A., assignor.)
 United Shoe Machinery Corporation. (See Winkley, Erasmus E., assignor.)
 United Shoe Machinery Corporation. (See Winslow, Sidney W., jr., assignor.)
 United Shoe Machinery Corporation. (See Woodcock, R. B., and Cook, assignors.)
 United Shoe Machinery Corporation. (See Woodcock, R. B., and Kestell, assignors.)
 United Shutter Awning Company. (See Jones, Frederick A., assignor.)
 United States Air Compressor Company. (See Bacher, Rollin L., assignor.)
 U. S. Bobbin & Shuttle Company. (See Adams, Fred E., assignor.)
 U. S. Bobbin & Shuttle Company. (See Adams, Harold F., assignor.)
 U. S. Bobbin & Shuttle Company. (See Baldwin, Luther C., assignor.)
 U. S. Bobbin & Shuttle Company. (See O'Hara, Daniel O., assignor.)
 U. S. Bottlers Machinery Company. (See Risser, Arthur I., assignor.)
 United States Cast Iron Pipe & Foundry Company. (See Giles, David, assignor.)
 United States Cast Iron Pipe & Foundry Company. (See Ladd, James B., assignor.)
 United States Cast Iron Pipe & Foundry Company. (See Langenberg, Frederick C., assignor.)
 United States Cast Iron Pipe & Foundry Company. (See Uhrig, John H., assignor.)
 United States Chain & Forging Company. (See Diehl, Peter B., assignor.)
 United States Chain & Forging Company. (See Miller, Charles H., assignor.)
 United States Chain & Forging Company. (See Shiner, Harry M., assignor.)
 United States Chain & Forging Company. (See Stewart, Carson R., assignor.)
 United States Chain & Forging Company. (See Thomas, Albin A., assignor.)
 U. S. Chemical Products Co. (See Stewart, Alexander, assignor.)
 United States Colloid Mill Corporation. (See Eppenhach, William, assignor.)
 U. S. Duplicator Company. (See Sabik, George, assignor.)
 U. S. E. M. Company. (See Lovejoy, Dimmitt R., assignor.)
 United States Electrical Manufacturing Company. (See Johnson, Carl E., assignor.)
 United States Electrical Tool Company, The. (See Smith, John A., assignor.)
 United States Envelope Company. (See Dickerson, Rawson P., assignor.)
 United States Envelope Company. (See Swallow, Francis P., assignor.)
 U. S. F. Powder Company. (See du Pont, Francis I., assignor.)
 United States Foil Company. (See Reynolds, Richard S., assignor.)
 U. S. Galvanizing & Plating Equipment Corporation. (See Potthoff, Kurt T., assignor.)
 United States Gauge Company. (See Place, Josiah W., assignor.)
 United States Glass Company. (See Beam, Charles C., assignor.)
 United States Glass Company. (See Challinor, James O., assignor.)
 United States Glass Company. (See Luchs, Frederick M., assignor.)
 United States Graphite Company, The. (See Adams, W., and Mitchel, assignors.)
 United States Gypsum Company. (See Absmeier, Carl, assignor.)
 United States Gypsum Company. (See Balduf, Bruno E., assignor.)
 United States Gypsum Company. (See Brookby, Harry E., assignor.)
 United States Gypsum Company. (See Brookby, H. E., and King, assignors.)
 United States Gypsum Company. (See Farnham, Merton W., assignor.)
 United States Gypsum Company. (See Gibson, Oliver E., assignor.)
 United States Gypsum Company. (See Gough, F. J., McNeil, and Pfeffer, assignors.)
 United States Gypsum Company. (See Heeren, Arthur A., assignor.)
 United States Gypsum Company. (See King, G. D., and Stitt, assignors.)
 United States Gypsum Company. (See Knode, Oliver M., assignor.)
 United States Gypsum Company. (See Manske, F. A., and McNeil, assignors.)
 United States Gypsum Company. (See Marks, Herbert E., assignor.)
 United States Gypsum Company. (See Pfeffer, F. D., and Trotter, assignors.)
 United States Gypsum Company. (See Quick, Floyd R., assignor.)
 United States Gypsum Company. (See Reel, Herbert W., assignor.)
 United States Gypsum Company. (See Trotter F., and Swanson, assignors.)
 United States Gypsum Company. (See Walper, Curry O., assignor.)
 United States Gypsum Company. (See Winter, John R., assignor.)
 United States Hoffman Machinery Corporation et al. (See Brockett, Bluford W., assignor.)
 United States Hoffman Machinery Corporation. (See Clarke, Clarence M., assignor.)
 United States Hoffman Machinery Corporation. (See Geldhof, Peter E., assignor.)
 United States Hoffman Machinery Corporation. (See Page, Herbert E., assignor.)
 United States Hoffman Machinery Corporation. (See Thurston, Erwin E., assignor.)
 U. S. Industrial Alcohol Co. (See Ricard, Eloi, assignor.)
 United States Lock and Hardware Company, The. (See Barnes, Harold S., assignor.)
 U. S. Manufacturing Corporation. (See Emanuel, Walter H. A., assignor.)
 U. S. Manufacturing Corporation. (See Le Pere, John G., assignor.)
 United States Metal Products Co. (See Dreusike, William, assignor.)
 United States Metals Refining Company. (See Eppenstein, W. F., and Green, assignors.)
 U. S. Oil & Service Corporation. (See Wanamaker, E., and Bowes, assignors.)
 United States Ordnance Company. (See Smith, George L., assignor.)
 U. S. Pressed Steel Company. (See Brown, Clarence V., assignor.)
 United States Printing & Lithograph Company. (See Weikel, William F., assignor.)
 United States Radiator Cor. (See Dietert, Harry W., assignor.)
 United States Radium Corporation. (See Dey, William H., assignor.)
 United States Register Co. (See Truax, William T., assignor.)
 U. S. Slicing Machine Company. (See Thomas, Henry, assignor.)
 U. S. Slicing Machine Company. (See van Berkel, Cornelis F. M., assignor.)
 U. S. Ring Traveler Company. (See Bowen, Amos M., assignor.)
 U. S. Ring Traveler Company. (See Gilligan, George H., assignor.)
 United States Rubber Company. (See Banks, Henry W., 3d., assignor.)
 U. S. Safety Flange Company. (See Ambrose, Ernest R., assignor.)
 U. S. Sanitary Specialties Corporation. (See Cordell, H., and Shultis, assignors.)
 U. S. Slicing Machine Company. (See Rienks, William, assignor.)
 U. S. Slicing Machine Company. (See Folk, Joseph, assignor.)
 U. S. Slicing Machine Company. (See Van Berkel, Cornelis F. M., assignor.)
 U. S. Slicing Machine Company. (See van Lammeren, Wilhelmus P., assignor.)
 U. S. Slicing Machine Company. (See van Lammeren, William P., assignor.)

- U. S. Smelting Furnace Company. (See Jones, Arthur, assignor.)
- United States Smelting, Refining & Mining Company. (See Mulock, Fred S., assignor.)
- United States Trust Company of Detroit, trustee. (See Holmes, Frederick J., assignor.)
- United Steel and Wire Company. (See Macomber, Lynn W., assignor.)
- United Water Softeners Limited. (See Higgins, Eric B., assignor.)
- Unity Cotton Mills. (See McEwen, Norman S., assignor.)
- Universal Automobile Forwarding Company. (See Reimbold, Lawrence D., assignor.)
- Universal Bed Company. (See Gray, C. E., and Cooke, assignors.)
- Universal Button Fastening & Button Company. (See Clark, J. M., and Ford, assignors.)
- Universal Button Fastening & Button Co. (See Ford, Ira D., assignor.)
- Universal Button Fastening and Button Company. (See Rice, William A., assignor.)
- Universal Chain Co. Inc. (See Weinacker, Hermann, assignor.)
- Universal Cooler Corporation. (See Thompson, Harry E., assignor.)
- Universal Draft Gear Attachment Co. (See Camp, Percy B., assignor.)
- Universal Draft Gear Attachment Co. (See Hall, Joseph M., assignor.)
- Universal Draft Gear Attachment Company. (See Nash, Charles J., assignor.)
- Universal Draft Gear Attachment Co. (See Tucker, Herbert E., assignor.)
- Universal Electric Controller Company. (See Turner, Charles A., assignor.)
- Universal Engineering Company. (See Zublin, John A., assignor.)
- Universal Engineering Corporation. (See Robson, John, assignor.)
- Universal Engineers, Inc. (See Arrowood, Milton W., assignor.)
- Universal Fringe Works. (See Grabelsky, Israel, assignor.)
- Universal Gas Electric Company. (See Kemble, Thomas S., assignor.)
- Universal Jewelry Case Co. (See Flier, Leo, assignor.)
- Universal Lamp Co. (See Sherman, Jacob S., assignor.)
- Universal Machine Company, The. (See Place, Alfred W., assignor.)
- Universal Match Corporation, The. (See Bogoslawsky, Boris M., assignor.)
- Universal Match Corporation, The. (See Neklutin, Constantine N., assignor.)
- Universal Oil Products Company, The. (See David, Aubrey D., assignor.)
- Universal Oil Products Company. (See DeLattre-Seguy, Jean, assignor.)
- Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
- Universal Oil Products Company. (See Dubbs, C. P., assignor, and Morrell.)
- Universal Oil Products Company. (See Egloff, Gustav, assignor.)
- Universal Oil Products Company. (See Egloff, G., and Benner, assignors.)
- Universal Oil Products Company. (See Egloff, G., and Morrell, assignors.)
- Universal Oil Products Company. (See Fantz, Fred C., assignor.)
- Universal Oil Products Company. (See Halloran, R. A., and Strout, assignors.)
- Universal Oil Products Company. (See Huff, Lyman C., assignor.)
- Universal Oil Products Company. (See Kirschbraun, Lester, assignor.)
- Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
- Universal Oil Products Company. (See Morrell, J. C., and Benner, assignors.)
- Universal Oil Products Company. (See Morrell, J. C., and Egloff, assignors.)
- Universal Oil Products Company. (See Pollock, Robert T., assignor.)
- Universal Oil Products Company. (See Wadsworth, James M., assignor.)
- Universal Optical Corporation. (See Beattley, Earle J. R., assignor.)
- Universal Optical Corporation. (See Marciano, Frank G., assignor.)
- Universal Optical Corporation. (See Marciano, Gerardo F., assignor.)
- Universal Optical Corporation. (See Nelson, John N., assignor.)
- Universal Optical Corporation. (See Twombly, John I., assignor.)
- Universal Oven Company. (See Elliott, Irwin, assignor.)
- Universal Pipe and Radiator Company, The. (See Grotty, Joseph J., assignor.)
- Universal Playground Equipment Company. (See Lahay, Dell J., assignor.)
- Universal Process Company. (See Godbe, Anthony H., assignor.)
- Universal Products Company. (See Huff, Lyman C., assignor.)
- Universal Rotary Bit Company, The. (See Seifert, William V., assignor.)
- Universal Safety Tread Inc. (See Chapin, Howard G., assignor.)
- Universal Stamping & Mfg. Co. (See Sapier, Abraham.)
- Universal Time Switch Company Limited. (See Smith, Charles E., assignor.)
- Universal Winding Company. (See Anderson, Johan A., assignor.)
- Universal Winding Company. (See Beckman, Gustaf S., assignor.)
- Universal Winding Company. (See De Wolf, Ernest A., assignor.)
- Universal Winding Company. (See Marcroft, W., and Taylor, assignors.)
- Universal Winding Company. (See Parks, Edward F., assignor.)
- Universal Winding Company. (See Reece, Franklin A., assignor.)
- Universal Winding Company. (See Sands, Thomas J., assignor.)
- Universal Winding Company. (See Swanson, Ernest R., assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Hohn, Max P. E., assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co. (See Jähne, Ernst H., assignor.)
- "Universelle" Cigaretten-Maschinen-Fabrik J. C. Müller & Co. (See Voigt, Robert W., assignor.)
- University Manufacturing & Sales Co. Inc. (See Stoll, Henry C., assignor.)
- Unke, Herman A., Cleveland, Ohio. Thread protector. 1,776,528; Sept. 23.
- Unke, Herman A., Cleveland, Ohio. Thread protector. 1,783,892; Dec. 2.
- Unke, Herman A., Cleveland, Ohio. Pipe end protector. 1,783,893; Dec. 2.
- Unker, Isidore, and H. S. Rosenthal, New York, N. Y. Garment guard or protector. 1,764,427; June 17.
- Untiedt, Frederick H., Chevy Chase, Md. Treating rubber latex. 1,777,945; Oct. 7.
- Unwin, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom picker-rod spindle support. 1,766,733; June 24.
- Unwin, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Protector mechanism for looms. 1,769,402; July 1.
- Unwin, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin support for weft-replenishing looms. 1,786,685; Dec. 30.
- Unzue, Martin de Alzaga, Paris, France. Safety tank. 1,779,786; Oct. 28.
- Updegraff, William B., Elizabeth, N. J., assignor to The Watson-Stillman Co., New York, N. Y. Erector for tunnel linings. 1,766,568; June 24.
- Urdike, James W., assignor to Marmon Motor Car Company, Indianapolis, Ind. Driving clutch. 1,767,566; June 24.
- Upercu, Inglis M. (See Smith, Hinsdale, assignor.)
- Upham, Burt F., Brookline, Mass., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa. Printing-press delivery. 1,756,405; Apr. 29.
- Upham, Franklin S., Des Moines, Iowa. Dispensing device. 1,773,329; Aug. 19.
- Upham, Gilbert R., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Hook tape. 1,771,154; July 22.
- Upham, Harry E., Wakefield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,776,824; Sept. 30.
- Uppercu-Burnelli Corporation. (See Boland, Joseph J., assignor.)
- Uppercu-Burnelli Corporation, The. (See Burnelli, Vincent J., assignor.)
- Uppercu-Burnelli Corporation. (See Chilton, Roland, assignor.)
- Upson, Charles A., assignor of one-half to W. H. Upson, Lockport, N. Y. Moisture-content tester for paper-making machines. 1,751,179; Mar. 18.
- Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Plaster wall surface. 1,772,648; Aug. 12.
- Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Sheet-conveying apparatus. 1,778,095; Oct. 14.
- Upson, Charles H. (See McEvoy, J. J., and Upson.)
- Upson Company, The. (See Harney, Francis W., assignor.)
- Upson Company, The. (See Spencer, Hugh M., assignor.)
- Upson Company, The. (See Stevens, John A., assignor.)
- Upson Company, The. (See Upson, Charles A., assignor.)
- Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Composite pile. 1,786,968; Dec. 30.
- Upson, Ralph H., Grosse Ile, Mich. Airplane. 1,777,593; Oct. 7.
- Upson, Ralph H., assignor to Aircraft Development Corporation, Detroit, Mich. Airship fins and stabilization. 1,750,141; Mar. 11.
- Upson, Ralph H., Brooklyn, N. Y., assignor to Aircraft Development Corporation, Detroit, Mich. Dirigible. 1,762,845; June 10.
- Upson, Ralph H., Birmingham, assignor to Aircraft Development Corporation, Detroit, Mich. Airship. 1,763,835; June 17.

- Upson, W. Harrison. (See Upson, Charles A., assignor.)
 Upton, Louis C., and G. B. Keil, St. Joseph, Mich., assignors, by mesne assignments to Nineteen Hundred Corporation. Power appliance. 1,755,973; Apr. 22.
 Urano, Saburo, Takatacho, near Tokyo, and S. Imai, Okucho, near Tokyo, Japan. Manufacturing basic calcium hypochlorites. 1,755,677; Apr. 22.
 Urbain Corporation. (See Urbain, Edouard, assignor.)
 Urbain, Edouard, Paris, France, assignor to Urbain Corporation. Bone black of great decolorizing power. 1,755,156; Apr. 15.
 Urbain, Edouard, Paris, France, assignor to Urbain Corporation. Producing carbon for absorption and decolorizing. 1,778,343; Oct. 14.
 Urbain, Oliver M. (See Travers, J. T., Lewis, and Urbain.)
 Urbain, Oliver M. (See Travers, J. T., and Urbain.)
 Urbain, Oliver M., Columbus, Ohio., assignor to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Apparatus for dialyzing liquids. 1,777,057; Sept. 30.
 Urban, Emil. (See Stewart, O. V., and Urban.)
 Urbana Coke Corporation. (See Parr, S. W., and Layng, assignors.)
 Urbanek, Mrs. John A. (See Somergary, J. J., and Leichtman, assignors.)
 Ureel, Joseph C., Detroit, Mich. Water heater. 1,743,169; Jan. 14.
 Urfer, Charles, Geneva, Switzerland, assignor to Société d'Etudes Minières et Industrielles, Paris, France. Manufacture of ammonia. 1,767,780; June 24.
 Urich, Moritz, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Apparatus for closing vacuum vessels. 1,746,974; Feb. 11.
 Uris, Christopher R., Los Angeles, Calif. Scaffold construction. 1,750,869; Mar. 18.
 Urner, Frank A., et al. (See Mason, Frank B., assignor.)
 Urquhart, Norman J., assignor of two-thirds to Harry W. Thomas, Detroit, Mich. Sprayer nozzle. 1,748,004; Feb. 18.
 Urschel, Bertis H., Bowling Green, Ohio. Tempering machine. 1,742,739; Jan. 7.
 Urschel, Bertis H., assignor to Urschel Engineering Company, Bowling Green, Ohio. Axle for self-propelled vehicles. 1,753,037; Apr. 1.
 Urschel, Bertis H., assignor to Urschel Engineering Company, Bowling Green, Ohio. Axle for self-propelled vehicles. 1,784,856; Dec. 16.
 Urschel Engineering Company. (See Urschel, Bertis H., assignor.)
 Urschel, William E., Valparaiso, Ind. Onion topper. 1,744,251; Jan. 21.
 Urschel, William E., Valparaiso, Ind. Bean snipper. 1,765,952; June 24.
 Urschel, William E., Valparaiso, Ind. Berry-cleaning device. 1,765,953; June 24.
 Urschel, William E., Valparaiso, Ind. Harvesting machine. 1,775,149; Sept. 9.
 Urschel, William E., Valparaiso, Ind. Harvesting machine. 1,784,081; Dec. 9.
 Urton, William C., Roswell, N. Mex. Air-pressure gauge. 1,768,275; June 24.
 Uschmann, Curt, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Mold-engraving machine. 1,748,591; Feb. 25.
 Useful Products Company. (See Kingman, Russell B., assignor.)
 Ussery, P. E., et al. (See Core, Joe, assignor.)
 Usthr Factories for Apparatus and Machines, formerly Zellweger Ltd. (See Hammer, Willibald, assignor.)
 Utah Radio Products Co. (See Barrett, Edward L., assignor.)
 Utah Radio Products Company, The. (See Preator, F., and Seely, assignors.)
 Utica Cutlery Company. (See Matt, Walter J., assignor.)
 Utica Products, Inc. (See Hauser, George D., assignor.)
 Utility Manufacturing Co. (See Hutchen, Edward, assignor.)
 Utility Strate Mfg. Co., The. (See Jauch, Robert J., assignor.)
 Utsman, George W., assignor of one-half to C. H. Robertson, and one-half to T. O. Summey, West Hillsboro, N. C. Quill-cleaning machine. 1,761,695; June 3.
 Utt, Frank M., et al. (See Campbell, Malcolm A., assignor.)
 Utter, Bror A., assignor to McClelland Casket Hardware Company, Richmond, Ind. Casket handle. 1,752,868; Apr. 1.
 Utterback, Ezra M., Creston, Iowa. Wheeled scraper. 1,776,460; Sept. 23.
 Utrich, Louis A., Albany, N. Y., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Dyeing apparatus. 1,752,712; Apr. 1.
 Utz, William A., sr., Cleveland, Ohio. Display-desk-appliance machine casing or similar article. Des. 80,760; Mar. 18.
 Utz, William A., sr., Lakewood, Ohio. Moistener for stamps and adhesive paper. Des. 81,509; July 1.
 Utz, William A., sr., Lakewood, Ohio. Paper moistener. Des. 81,560; July 8.
 Utz, William A., sr., Lakewood, Ohio. Paper moistener. Des. 81,561; July 8.
 Utz, William A., sr., Lakewood, Ohio. Illuminated advertising package-sealing-machine casing. Des. 82,196; Sept. 30.
 Utz, William A., sr., Cleveland, Ohio. Package-sealer-actuated advertising means. 1,746,878; Feb. 11.
 Utz, William A., sr., Cleveland, Ohio. Web-dispensing machine. 1,772,170; Aug. 5.
 Utz, John G., assignor to O. H. Utz, Detroit, Mich. Motor-vehicle construction. 1,754,291; Apr. 15.
 Utz, Otilla H. (See Utz, John G., assignor.)
 Uvalde Rock Asphalt Company. (See Alvey, G. H., and Young, assignors.)
 Uvalde Rock Asphalt Company. (See Young, Ernest A., assignor.)
 Uvalde Rock Asphalt Company. (See Young, E. A., and Alvey, assignors.)
 Uyehara, Matsutaro, Los Angeles, Calif. Can opener. 1,769,609; July 1.
 V. D. Limited. (See Vigneron, Jean-Baptiste J. A., assignor.)
 V. V. Fittings Company. (See Baker, Clifford H., assignor.)
 Vaaler, Jens, assignor to The Clemetsen Company, Chicago, Ill. Joint construction. 1,753,487; Apr. 8.
 Vaaler, Jens, assignor to The Clemetsen Company, Chicago, Ill. Drawer slide. 1,754,448; Apr. 15.
 Vachon, Lionel G., G. M. McCarthy, and L. J. Ewing, Haverhill, Mass. Reproducing apparatus. 1,770,537; July 15.
 Vacuum Can Company. (See Becker, Julius, assignor.)
 Vacuum Casting Company, The. (See Kadow, August, assignor.)
 Vacuum Casting Company, The. (See Minke, Raleigh, assignor.)
 Vacuum Oil Company. (See Hooper, C. L., and Sutherland, assignor.)
 Vacuum Oil Company. (See Turner, J. F., Matthews, and Ross, assignors.)
 Vacuum Power Limited. (See Scott-Snell, Charles and E., assignors.)
 Vacuum Process Corporation. (See Mapother, Henry H., jr., assignor.)
 Vacuumizer Manufacturing Corporation. (See Spanel, A. N., and Robitaille, assignors.)
 Vahl, William, Rochester, N. Y. Safety gas cock. 1,752,043; Mar. 25.
 Vaicekauckas, Albert, Rockford, Ill. Lock. 1,765,186; June 17.
 Vail, Henry H., Camden, assignor to Automatic Drive and Transmission Company, Gloucester City, N. J. Automatic clutch for automobiles. 1,743,170; Jan. 14.
 Vail, Henry H., Camden, assignor to Automatic Drive and Transmission Company, Gloucester City, N. J. Automatic clutch. 1,746,805; Feb. 11.
 Vail, Joseph M., Bryan, Ohio. Rail stay. 1,768,967; July 1.
 Vail, N. Russell. (See Boykin, Robert O., assignor.)
 Vaisey, Harold C., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Suspender buckle or the like. Des. 81,118; May 6.
 Vaisey, Harold C., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Suspender buckle or the like. Des. 81,214; May 20.
 Valdata, Camilo P., Mexico, and M. C. Garcia, Tacuba, Mexico. Internal-combustion engine. 1,771,666; July 29.
 Valdés y Valdés, César L., Habana, Cuba. Packing machine. 1,785,824; Dec. 23.
 Valdin, John. (See Savage, P. L., and Rhodes, assignors.)
 Vale, Charles, Rottingdean, Sussex, England. Folding bed or chair. 1,777,946; Oct. 7.
 Valente, Antonio, West Albany, N. Y. Fire-extinguishing system. 1,760,385; May 27.
 Valentine, Albert H., and J. C. Lemming, assignors to The Moraine Products Company, Dayton, Ohio. Sizing die for flange bearings. 1,750,290; Mar. 11.
 Valentine, Alfred S., Brooklyn, N. Y. Animal-racing apparatus. 1,746,975; Feb. 11.
 Valentine Clark Co., The. (See Hodgkins, George V., assignor.)
 Valentine, Frank A., Apponaug, and D. C. Scott, assignors to Henry L. Scott Company, Providence, R. I. Testing machine. 1,749,991; Mar. 11.
 Valentine, Harben J., Dundee, Scotland. Preserving flowers, foliage, and the like. 1,779,299; Oct. 21.
 Valentine, Harry W., assignor to Disappearing Screen & Shade Company, Inc., Berkeley, Calif. Window screen, curtain, and the like. 1,746,723; Feb. 11.
 Valentine, Kathryn L., and G. Ramsey, deceased, Jersey City, N. J.; E. M. Ramsey, executrix, assignors to Springem Overshoe Co., Inc. Overshoe. 1,771,726; July 29.
 Valentine, Kenneth S., Hollis, assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing and separating or classifying apparatus. 1,768,870; July 1.
 Valentine, Mary C., Cleveland, Ohio. Screw-moving means. 1,785,847; Dec. 23.
 Valentine, Octave L., assignor, by mesne assignments, to The Bay Company, Bridgeport, Conn. Container. 1,775,228; Sept. 9.
 Valentine, Octave L., assignor, by mesne assignments, to The Bay Company, Bridgeport, Conn. Container. 1,775,229; Sept. 9.
 Valentine, Percy W. (See Pickett, Lyman O., assignor.)
 Valentine, William A., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Punching machine. 1,767,492; June 24.
 Valeriano, Benito D., Zamboanga, P. I. Rifle sight. 1,743,906; Jan. 14.

- Valerius, Johann, Heiligkreuz, near Neisse, Germany. Series switch. 1,770,894; July 15.
- Valet, Georges, Paris, France. Safety razor. 1,742,330; Jan. 7.
- Valiquette, William L., assignor to The Harris-Seybold-Potter Company, Dayton, Ohio. Paper-cutting machine. 1,766,855; June 24.
- Valjean, Ben, assignor to Motor Wheel Corporation, Lansing, Mich. Oil-heater control. 1,779,572; Oct. 28.
- Valjean, Ben, assignor to Motor Wheel Corporation, Lansing, Mich. Fuel-feed control. 1,785,160; Dec. 16.
- Vallance, Bertram, Westcliff-on-Sea, England. Speed-changing gear. 1,748,856; Feb. 25.
- Vallance, Bertram, Westcliff-on-Sea, England. Motion-transmitting mechanism. 1,748,907; Feb. 25.
- Vallen, Earl J., Akron, Ohio. Clutch. 1,745,131; Jan. 28.
- Vallen, Earl J., Akron, Ohio. Curtain track. 1,750,444; Mar. 11.
- Vallen, Earl J., Akron, Ohio. Curtain track. 1,750,445; Mar. 11.
- Valletta, Vittorio, assignor to Fiat Società Anonima, Turin, Italy. Transmission gearing. 1,773,288; Aug. 19.
- Valley Camp Coal Company, The. (See Paisley, James A., assignor.)
- Valley Mould & Iron Corporation. (See Kauffman, Edmund J., assignor.)
- Valley Mould and Iron Corporation. (See Perry, John E., assignor.)
- Valley Mould and Iron Corporation. (See Perry, J. E., and Lanigan, assignors.)
- Vallier, Samuel W., Santa Monica, Calif. Garment. 1,766,272; June 24.
- Valpey, Frank R., Royal Oak, assignor to Graham-Paige Motors Corporation, Detroit, Mich. Vehicle front-end assembly. 1,786,044; Dec. 23.
- Valtat, Raymond L. A., Paris, France. Process and apparatus for rejuvenating perforated accounting machine cards. 1,777,947; Oct. 7.
- Valton, Jean B., assignor to Société les Fils de Valton & Cie., Troyes, France. Linking machine. 1,784,713; Dec. 9.
- Valverde, Robert, New York, N. Y. Synchronous electric motor. 1,758,417; May 13.
- Van Ackeren, Joseph. (See Becker, J., and Van Ackeren.)
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coke-oven valve construction. 1,743,410; Jan. 14.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Standpipe for coke ovens. 1,747,610; Feb. 18.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Regenerative heating structure. 1,749,116; Mar. 4.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,754,131; Apr. 8.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Recuperative coking retort oven. 1,758,544; May 13.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Vertical coking-retort oven. 1,769,810; July 1.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,780,803; Nov. 4.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Removal of smoke from coke ovens. 1,785,748; Dec. 23.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Charging vertical retorts. 1,785,749; Dec. 23.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Charging coke ovens. 1,785,750; Dec. 23.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Apparatus and method of charging a retort. 1,785,751; Dec. 23.
- Vanadium Corporation of America. (See Saklatwalla, Byramji D., assignor.)
- Van Allen, Clifford, Canton, Ohio. Barbecuing machine. 1,782,639; Nov. 25.
- Van Aller, Gijbert, Rotterdam, Netherlands. Balanced stream-line rudder. 1,774,460; Aug. 26.
- Van Alstyne, Durlin N., Syracuse, assignor of fifty per cent to J. N. Van Alstyne, Fulton, N. Y. Bottle closure. 1,785,716; Dec. 16.
- Van Alstyne, James N. (See Van Alstyne, Durlin N., assignor.)
- Van Amburg, Otto H., Bridgeport, Conn., assignor to General Electric Company. Incandescent lamp socket. 1,774,461; Aug. 26.
- Van Arkel, Anton E., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Precipitating boron. 1,774,410; Aug. 26.
- Van Arnem, George H., Fort Wayne, Ind., assignor to Juvenile Wood Products, Inc. Folding foot rest for toilet seats. 1,761,602; June 3.
- Van Arsdell, Wallace B. (See Lovering, E. W., and Van Arsdell.)
- Van Arsdell, Wallace B., assignor to Brown Company, Berlin, N. H. Apparatus for producing nitrogen. 1,765,781; June 24.
- Van Atta, Cloyd B., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,776,573; Sept. 23.
- Van Atta, Cloyd B., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,778,176; Oct. 14.
- Van Avery, Charles J. (See Rukaber, F. E., and Van Avery.)
- Van Bakkum, Richard, Marysville, assignor to Harry Van Raaphorst, Port Huron, Mich. Scaffold jack. 1,754,132; Apr. 8.
- Van Benthuyssen, Herbert L., Yonkers, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 82,124; Sept. 23.
- Van Bergen, Edward R., Cleveland Heights, Ohio. Stencil apparatus. 1,784,616; Dec. 9.
- Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,750,071; Mar. 11.
- Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,778,050; Oct. 14.
- Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,778,875; Oct. 21.
- Van Blarcom, Francis. (See Stevenson, Thomas K., assignor.)
- Van Bloem, Paul S., Great Neck, assignor to Viking Products Corporation, New York, N. Y. Interchangeable-letter sign. 1,766,470; June 24.
- Van Bree, Gertrude, Chicago, Ill. Guard for gas burner. 1,773,555; Aug. 19.
- Van Bronk, Otto, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Microphone. 1,746,449; Feb. 11.
- Van Brunt, John, Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Burner. 1,779,647; Oct. 28.
- Van Brunt, John, Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler furnace. 1,779,719; Oct. 28.
- Van Brunt, John, Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Apparatus for generating steam by the burning of fuel in suspension. 1,780,283; Nov. 4.
- Van Brunt, John, Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Finely-divided-fuel-burning boiler furnace. 1,780,284; Nov. 4.
- Van Brunt, John, Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler. 1,780,285; Nov. 4.
- Van Brunt Manufacturing Company, The. (See Schaeffer, John, assignor.)
- Van Buren, John, Brooklyn, N. Y. Wrapping machine. 1,746,448; Feb. 11.
- Van Buren, John, Brooklyn, N. Y. Wrapping machine. 1,752,762; Apr. 1.
- Van Buskirk, Fred W., Klamath Falls, Oreg. Cooling system for motors. 1,778,375; Oct. 14.
- Van Buskirk, Leshar W., Easton, Pa. Excavating tooth. 1,753,392; Apr. 8.
- Van Buskirk, Lothair I. (See Campbell, S. A., and Van Buskirk.)
- Van Buskirk, Robert N., Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind. Brake-adjusting device. 1,757,348; May 6.
- Van Caneghem, Adolf, Waterloo, Iowa. Self-cleaning loading device. 1,747,336; Feb. 18.
- Vance, Arthur J., assignor to The Coe Manufacturing Company, Painesville, Ohio. Drier for veneer, wall board, and the like. Re17,594; Feb. 11.
- Vance, Arthur J., assignor to The Coe Manufacturing Company, Painesville, Ohio. Air and vapor control for driers. 1,776,014; Sept. 16.
- Vance, Forrest, Champaign, Ill. Bleacher structure. 1,766,316; June 24.
- Vance, George E., assignor to The Safety Grinding Wheel & Machine Company, Springfield, Ohio. Sectional ring grinder. 1,761,852; June 3.
- Vance, John R., et al. (See Foreman, Dave, assignor.)
- Vance, Robert J., sr., Belleville, N. J. Interchangeable bracelet and brooch. 1,756,041; Apr. 29.
- Vance, Walter N., Chicago Heights, assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Rack. 1,742,976; Jan. 7.
- Vance, Walter N., Chicago Heights, assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Bin front. 1,743,837; Jan. 14.
- Vance, Walter N., Chicago Heights, assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Metal shelving. 1,745,518; Feb. 4.
- Vance, Walter N., Chicago Heights, assignor, by mesne assignments, to Lyon Metal Products, Inc., Aurora, Ill. Sheet-metal rack. 1,750,696; Mar. 18.
- Vance, Walter N., Chicago Heights, assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Rack with shallow sliding trays. 1,765,954; June 24.
- Vance, Walter N., Chicago Heights, assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Hinge. 1,785,506; Dec. 16.
- Vance, Walter N., North Aurora, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Locker construction. 1,748,319; Feb. 25.
- Vance, Walter N., North Aurora, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Shelf rack. 1,752,315; Apr. 1.
- Vancil, Robert L. (See King, J. L., and Vancil.)
- Van Cleef, Edwin E., Detroit, Mich. Bottle-handling apparatus. 1,773,654; Aug. 19.

- Van Cleave, Charles N. (See Neer, Harry L., assignor.)
 Van Cleave, Ira H., et al. (See Anglemeyer, Herman B., assignor.)
 Van Cleave, Horatio P. (See Tomkinson, C. C., and Van Cleave.)
 Van Cott, Wilbur E., Milwaukee, Wis. Hammer mill. 1,770,442; July 15.
 Vandecan, Edouard, assignor to Renfrew Machinery Company Limited, Renfrew, Ontario, Canada. Drive mechanism. 1,773,607; Aug. 19.
 Vandegrift, James N., assignor to C. M. Barnett, New York, N. Y. Retort. 1,758,770; May 13.
 Van Degrift, Thomas C., assignor to General Motors Research Corporation, Detroit, Mich. Balancing and apparatus therefor. 1,761,945; June 3.
 Vande Mark, Eugene S., Springmont, assignor to Reading Sheet Metal Products Co., Reading, Pa. Window ventilator and screen. 1,764,913; June 17.
 Vande Mark, Eugene S., Springmont, assignor to Reading Sheet Metal Products Co., Reading, Pa. Baby walker and stroller. 1,764,914; June 17.
 Van den Abeele, Joseph, Ghent, Belgium. Spinning machine. 1,752,869; Apr. 1.
 Vandenhove, Harold M., New York, N. Y. Umbrella guard. 1,755,039; Apr. 15.
 Van de Putte, John, San Antonio, Tex. Variable surface wing for aeroplanes. 1,762,002; June 3.
 Vanderbilt, R. T., Company. (See Alton, William H., assignor.)
 Vanderbilt, R. T., Company. (See Evans, Walter W., assignor.)
 Vanderbilt, R. T., Co. (See Kaegenbehn, Charles F., assignor.)
 Vanderbilt, R. T., Company. (See Murrill, Paul I., assignor.)
 Vanderbilt, R. T. Co. (See Murrill, P. I., and Evans, assignors.)
 Vanderbilt R. T., Company. (See Somerville, Albert A., assignor.)
 Vanderbilt, R. T., Company. (See Vanderbilt, Robert T., assignor.)
 Vanderbilt, Robert T., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Coloring clay. 1,755,616; Apr. 22.
 Van Der Bogart, James, Ossining, N. Y., assignor to General Electric Company. Fuse cutter. 1,761,760; June 3.
 Vandercook, David D. (See Vandercook, Edward O., R. D., F. R., and D. D.)
 Vandercook, Edward O., R. O., F. R., and D. D., assignors to Vandercook & Sons, Chicago, Ill. Frisket frame for use in connection with printing presses. 1,779,384; Oct. 21.
 Vandercook, Fred R. (See Vandercook, Edward O., R. O., F. R., and D. D.)
 Vandercook, Robert O. (See Vandercook, Edward O., R. O., F. R., and D. D.)
 Vandercook & Sons. (See Vandercook, Edward O., R. O., F. R., and D. D., assignors.)
 Van Deren, George W., Elmira, N. Y. Universal joint. 1,782,492; Nov. 25.
 Vander Gheynst, Irma H., New York, N. Y. Candy. 1,781,636; Nov. 11.
 Van der Gracht, Ferdinand M. P. de R. (See Reuter, Maurice, assignor.)
 Vandergrift, Frank C., Akron, Ohio, assignor, by mesne assignments, to National-Erie Company, Erie, Pa. Extrusion apparatus. 1,762,367; June 10.
 Vandergrift, Frank C., Akron, Ohio, assignor, by mesne assignments, to National-Erie Company, Erie, Pa. Extrusion apparatus. 1,762,368; June 10.
 Van Der Heuel, Corneal, Richmond Hill, N. Y. Hair-drying apparatus. 1,786,969; Dec. 30.
 Van Derhoef, George N., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Roll. 1,742,453; Jan. 7.
 Van Derhoef, George N., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Making rolls. 1,742,454; Jan. 7.
 Van Derhoef, Henry E., assignor to Eastman Kodak Company, Rochester, N. Y. Film-forming element. 1,746,751; Feb. 11.
 Van der Hoeven, Gerrit, Paris, France, assignor to Radio Corporation of America. Apparatus for exhausting tubes. 1,777,022; Sept. 30.
 Van der Hoeven, Jacob. (See Bruijnes, J., van der Hoeven, and Oosterhuis.)
 Van der Jagt, Barend G. H., The Hague, Netherlands. Preparation of coconut fibers for spinning and weaving. 1,779,505; Oct. 28.
 Van der Kloet, Willem J., and W. A. L. Stift, The Hague, Netherlands, assignors to General Engineering and Investment Company Limited, London, England. Connection for iron constructions. 1,771,362; July 22.
 Van der Lande, Bernardus L. M., and G. Komen, Deventer, Netherlands. Apparatus for preparing casting molds. 1,784,714; Dec. 9.
 Van der Linde, Victor, assignor to Fine Art Folds, Incorporated, Tuckahoe, N. Y. Canister. 1,747,805; Feb. 18.
 Van der Linde, Victor, assignor to Fineart Foods, Inc., Tuckahoe, N. Y. Dispensing apparatus. 1,768,723; July 1.
 Van der Meulen, Johannes H., Arnhem, Netherlands. Preparing metal bromides. 1,775,598; Sept. 9.
 Van der Ploeg, Hidde W., Apeldoorn, Netherlands. Change-over mechanism. 1,754,133; Apr. 8.
 Van der Pol, Balthasar. (See Bol, C., and van der Pol.)
 Van der Pol, Balthasar, Eindhoven, Netherlands, assignor to The Radio Corporation of America. Multivibrator. 1,744,935; Jan. 28.
 Vanderpool, William J., assignor to Taylor Instrument Companies, Rochester, N. Y. Mechanism for starting clocks. 1,781,740; Nov. 18.
 Van der Pyl, Edward, Wilton, and R. H. Stimpson, assignors to Automatic Packaging Machinery Company, Nashua, N. H. Carton-feeding magazine. 1,783,912; Dec. 2.
 Van der Spek, Cornelis F., Toronto, Ontario, Canada. Transmission. 1,772,503; Aug. 12.
 Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Counter attachment. 1,747,495; Feb. 18.
 Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Counter-partition holder. 1,747,496; Feb. 18.
 Vanderveld, Anthony, and E. Morris, assignors to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Counter attachment. 1,767,823; June 24.
 Van Der Wilt, Joe, Orange City, Iowa. Lubricating device for crank cases. 1,778,051; Oct. 14.
 Van der Wissel, Herman T. (See Stoffels, A. J. M., and van der Wissel.)
 Van de Sandt, Alfred, Los Angeles, Calif. Stone buffer. 1,749,860; Mar. 11.
 Vandever, Perry O., assignor to Standard Oil Company, Whiting, Ind. Steam desuperheater. 1,774,114; Aug. 26.
 Van Deventer, Harry R., assignor to Dubilier Condenser Corporation, New York, N. Y. Electrolytic condenser. 1,747,915; Feb. 18.
 Van Deventer, Harry R., assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,750,374; Mar. 11.
 Van Deventer, Harry R., New York, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Refrigerating system. 1,763,281; June 10.
 Van Deventer, Harry R., assignor to Dubilier Condenser Corporation, New York, N. Y. Power condenser and cooling means therefor. 1,768,430; June 24.
 Van Deventer, Harry R., assignor to Dubilier Condenser Corporation, New York, N. Y. Magnetic device. 1,774,856; Sept. 2.
 Van Deventer, Horace. (See Stepp, Eddie H., assignor.)
 Van Deventer, Horace, Knoxville, Tenn. Powdered-coal furnace. 1,775,608; Sept. 9.
 Van Deventer, Horace, and E. H. Stepp, Knoxville, Tenn. Charge-blending device. 1,763,450; June 10.
 Vandex, Inc. (See Hill, Charles L., assignor.)
 Van Dijk, William J. D., The Hague, assignor to Naamloze Vennootschappij Glasfabriek "Leerdam" voorheen Jeeke, Mynssen & Co., Leerdam, Netherlands. Lighting fixture. 1,786,371; Dec. 23.
 Van Dinter, George L., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Overshoe. Des. 82,296; Oct. 14.
 Van Dinter, George L., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Boot-top fastener. 1,767,722; June 24.
 Van Dinter, George L., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Form-fitting boot construction. 1,771,003; July 22.
 Van Dinter, George L., assignor to Wishawaka Rubber and Woolen Manufacturing Company, Wishawaka, Ind. Form-fitting boot. 1,771,004; July 22.
 Van Dinter, George L., and C. Ferretie, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Form-fitting boot and making same. 1,771,277; July 22.
 Vandivort, Homer H., Bado, assignor of one-fourth to L. L. Grisham, one-fourth to R. B. Grisham, and one-fourth to R. C. Miles, Elk Creek, Mo. Collapsible-box-carrying means. 1,750,072; Mar. 11.
 Van Dooren, Frank J., Oakland, assignor of one-fifth to C. A. Gossett, San Leandro, Calif. Door latch. 1,774,682; Sept. 2.
 Van Dooren, Frank J., Oakland, assignor of one-fifth to C. A. Gossett, San Leandro, Calif. Door lock. 1,777,776; Oct. 7.
 Van Dooren, Josephus T. C., Haarlem, Netherlands. Illuminating device. 1,779,378; Oct. 21.
 Van Doren, John B., South Braintree, Mass. Sound-making device. 1,779,506; Oct. 28.
 Van Dorin, Harry, Shelbyville, Ind. Holder for Christmas trees and the like. 1,772,693; Aug. 12.
 Van Dorn Electric Tool Company, The. (See Connell, Edwin L., assignor.)
 Van Dorn Electric Tool Company, The. (See Sweet, Burton W., assignor.)
 Van Dorn, Herbert E., Chicago, Ill., assignor to W. E. Van Dorn, Pasadena, Calif. Electric switch. 1,752,763; Apr. 1.
 Van Dorn, Herbert E., Chicago, Ill., assignor to W. E. Van Dorn, Pasadena, Calif. Combined coupler head and buffer. 1,752,764; Apr. 1.
 Van Dorn Iron Works Company, The. (See Whitehouse, John T., assignor.)
 Van Dorn, Theodore F. (See Norwood, Harry G., assignor.)
 Van Dorn, William E. (See Van Dorn, Herbert E., assignor.)

- Van Dorn, William E., Pasadena, Calif. Gondola-car body. 1,766,856; June 24.
- Van Dorn, William E., Pasadena, Calif. Metal car end. 1,766,857; June 24.
- Van Dorn, William E., Pasadena, Calif. Metal box car. 1,774,115; Aug. 26.
- Van Dorssen, Brian de K., Renkum, Netherlands, and I. L. Proctor, Rantoul, Ill. Sleeve-valve engine. 1,779,835; Oct. 28.
- Van Dresser, Almon J., New Orleans, La. Track-oiling device. 1,758,300; May 13.
- Van Dusen, Charles A., assignor to The Glenn L. Martin Company, Cleveland, Ohio. Structural material. 1,766,471; June 24.
- Van Dusen, Charles A., assignor to The Glenn L. Martin Company, Cleveland, Ohio. Airplane-wing structure. 1,769,005; July 1.
- Van Dusen, Frank L., North Tonawanda, assignor to The Rustless Rule Co., Inc., Buffalo, N. Y. Blade holder. 1,769,403; July 1.
- Van Duyn, Adrianus. (See de Brouckere, L., and van Duyn.)
- Van Duyn, Adrianus. (See Kool, G., and van Duyn.)
- Van Duyn, Adrianus, assignor to Naamlouze Vennootschap Maatschappij tot Veraardiging van Snijmachines volgens Van Berkel's Patent en van andere Werktuigen, Rotterdam, Netherlands. Weighing scale. 1,777,537; Oct. 7.
- Van Duyn, Adrianus, assignor to Naamlouze Vennootschap Maatschappij tot Veraardiging van Snijmachines volgens Van Berkel's Patent en van andere Werktuigen, Rotterdam, Netherlands. Indicating means for weighing apparatus. 1,782,670; Nov. 25.
- Van Dyck, Arthur F., Yonkers, N. Y., assignor to Radio Corporation of America. Loop antenna. 1,763,382; June 10.
- Van Dyck, Arthur F., Yonkers, N. Y., assignor to Radio Corporation of America. Radio receiving system. 1,784,210; Dec. 9.
- Van Dyck, Arthur F., Rye, N. Y., and F. H. Guber, Roselle, N. J., assignors to Radio Corporation of America. Loudspeaker horn. 1,763,381; June 10.
- Van Dyke, William D., Chattanooga, Tenn., assignor, by mesne assignments, to Kayser Hosiery Motor Mender Corporation, Wilmington, Del. Machine for repairing runs in fabrics. 1,745,462; Feb. 4.
- Van Dyken, Harry, Two Harbors, Minn. Fracture-detecting device. 1,778,648; Oct. 14.
- Van EE, Willem, Long Beach, and A. H. Watson, Redondo Beach, Calif. Tube-facing tool. 1,751,776; Mar. 25.
- Van Eerde, Jan, New York, assignor of one-half to F. B. Ward, Mount Vernon, N. Y. Toy. 1,777,948; Oct. 7.
- Van Epp, Paul N., Port Clinton, Ohio, assignor of one-third to L. E. Owen, Springfield, Mo. Trolley retriever. 1,756,074; Apr. 29.
- Van Epps, Glen K., assignor of one-half to H. Meints, Grand Mound, Iowa. Bucket support. 1,755,851; Apr. 22.
- Van Essen, Pieter D., The Hague, Netherlands. Projectile. 1,742,836; Jan. 7.
- Van Etten, William V., Bellingham, Wash. Roller skate. 1,761,807; June 3.
- Van Etten, William V., Bellingham, Wash. Dirigible headlight. 1,762,536; June 10.
- Van Etten, William V., Bellingham, assignor to Hi-Power Manufacturing Company, Seattle, Wash. Foot-power scooter. 1,761,601; June 3.
- Van Gelder, Johannes P., Granville, New South Wales, Australia. Apparatus for separating dust or fume from air. 1,764,861; June 17.
- Van Gelder, Johannes P., Granville, near Sydney, New South Wales, Australia. Grinding mill of the swing-hammer or beater type. 1,777,905; Oct. 7.
- Van Gelderen, Frederick, M., Enschede, Netherlands. Cigar or cigarette extinguisher. 1,759,925; May 27.
- Van Gelderen, Frederik M., Enschede, Netherlands. Insulating cap for the joints of electrical conductors and conductive coating for use therein. 1,762,039; June 3.
- Van, George, Moscow, Idaho. Air-moistening device for incubators. 1,746,505; Feb. 11.
- Van Guilder, Jesse S., Red Wing, Minn. Alarm. 1,772,232; Aug. 5.
- Van Guilder, Walter, and A. C. Wood, assignors to Stewart-Warner Corporation, Chicago, Ill. Shock absorber. 1,748,664; Feb. 25.
- Van Halteren, Andrew S., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Steel felly and rim construction. 1,757,275; May 6.
- Van Halteren, Andrew S., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Demountable wheel spider. 1,786,794; Dec. 30.
- Van Hamersveld, John J. N. (See Bayer, J. L., and Van Hamersveld.)
- Van Hamersveld, John J. N., Cleveland Heights, assignor to The Rotor Air Tool Company, Cleveland, Ohio. Rotary motor tool. 1,759,473; May 20.
- Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner and Swasey Company, Cleveland, Ohio. Way-guard construction for machine tools. 1,779,520; Oct. 28.
- Van Hamersveld, John J. N., Cleveland Heights, W. C. De Graff, Cleveland, and L. M. Cole, Cleveland Heights, assignors to The Warner & Swasey Company, Cleveland, Ohio. Attachment for machine tools for turning and boring spherical surfaces. 1,744,252; Jan. 21.
- Van Heijst, Franciscus W., assignor to Commanditaire Vennootschap: J. B. van Heijst & Zonen, The Hague, Netherlands. Device for throwing at will projectiles from aircraft. 1,783,145; Nov. 25.
- Van Hengel, Gerrit H. (See Dorer, O. H., and van Hengel.)
- Van Hoofstadt, Edward. (See Greenbaum, L., Van Hoofstadt, and Gustavson.)
- Van Hook, Charles E., assignor to The Watson Machine Company, Paterson, N. J. Reeling machine for cables. 1,775,707; Sept. 16.
- Van Hoorn, Albert W. W., Wilmington, Del., assignor to American Car and Foundry Company, New York, N. Y. Boat construction. 1,760,673; May 27.
- Van Horn, George F., Evansville, Ind. Road indicator. 1,774,683; Sept. 2.
- Vanhorn, James J., Pittsburgh, assignor to The Union Switch and Signal Company, Swissvale, Pa. Signaling apparatus. 1,770,822; July 15.
- Vanhorn, James J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,782,156; Nov. 18.
- Vanhorn, James J., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-train-indicating apparatus. 1,786,795; Dec. 30.
- Van Horn, William H. (See Kemp, W. W., and Van Horn.)
- Van Horne, John S. Franklin, Ohio, assignor to Radio Corporation of America. Thermionic valve. 1,775,219; Sept. 9.
- Van Horne, Perry, assignor to The Canton Culvert and Silo Company, Canton, Ohio. Drainage culvert. 1,759,330; May 20.
- Van Horne, Philip, et al. (See Olson, Samuel, assignor.)
- Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough-molding machine. 1,753,393; Apr. 8.
- Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough divider and rounder. 1,764,586; June 17.
- Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough-handling apparatus. 1,770,222; July 8.
- Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough-dividing apparatus. 1,784,559; Dec. 9.
- Van Houten, John M., assignor to Dutchess Tool Company, Beacon, N. Y. Mixing dough. 1,759,289; May 20.
- Van Houten, John M., assignor to Dutchess Tool Company, Beacon, N. Y. Dough-mixing apparatus. 1,759,290; May 20.
- Van Hove, Desire H., Royal Oak, Mich. Slide-way for window panes. 1,753,038; Apr. 1.
- Van Hove, Desire H., Royal Oak, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Seat cushion structure. 1,768,383; June 24.
- Van Hülst, Laurens, Merseburg, Germany. Tilt for covering open trucks. 1,770,329; July 8.
- Van Item, Johan, Bremen, Germany. Handling and transport of building blocks and the like. 1,749,249; Mar. 4.
- Vanjean, Ben, assignor to Motor Wheel Corporation, Lansing, Mich. Fuel-head control for oil burners. 1,778,437; Oct. 14.
- Van Keuren, Herbert, Kingstree, assignor to The Electro Automatic Drainage Company, Columbia, S. C. Electromagnetic draining device. 1,786,878; Dec. 30.
- Van Kirk, Ervin, Vincennes, Ind. Fireplace. 1,776,171; Sept. 16.
- Van Kirk, Lyndon J., Milwaukee, Wis. Concrete mixer and distributor. 1,754,533; Apr. 15.
- Van Lammeren, Wilhelmus P., Voorschoten, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,749,402; Mar. 4.
- Van Lammeren, Willem P., Voorchoten, Netherlands. Helicopter. 1,772,119; Aug. 5.
- Van Lammeren, Willem P., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Feeding mechanism for slicing machines. 1,763,681; June 17.
- Van Leunen, Edgar, assignor to T. S. Herlihy and E. W. Cooper, Los Angeles, Calif. Grease dispenser. 1,747,337; Feb. 18.
- Van Leuven, David L., assignor to Six Wheel Corporation, Los Angeles, Calif. Running gear. 1,757,759; May 6.
- Van Liempt, Johannes A. M., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Coating bodies with tungsten. 1,771,974; July 29.
- Van Loon, Christiaan, Dordrecht, assignor to Naamlouze Vennootschap Anton Jurgens Margarinefabrieken, Nijmegen, Netherlands. Conversion of triglycerides with other esters. 1,744,596; Jan. 21.
- Van Loon, Johannes, Deventer, Netherlands. Active carbon and making same. 1,782,493; Nov. 25.
- Van Loozen, Frederick H., Los Angeles, Calif. Multi-color-printing press. 1,773,764; Aug. 26.
- Van Marle, Dirk J., assignor to Buffalo Foundry & Machine Company, Inc., Buffalo, N. Y. Drying liquid materials. 1,762,250; June 10.
- Van Meter, Dale L., and B. A. Triesch; said Van Meter assignor of five one-hundredths to E. J. Mohnney and forty-five one-hundredths to N. Triesch, Spokane, Wash. Tool rack. 1,748,259; Feb. 25.
- Van Muffling, Adrian. (See Boyle, J. F., and Van Muffling.)
- Van Ness, Henry E., Elmira, N. Y. Dyeing apparatus. 1,759,144; May 20.

- Van Ness, Henry E., Elmira, N. Y. Dyeing apparatus. 1,759,145; May 20.
- Van Ness, Henry E., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,758,301; May 13.
- Vannier, René, Paris, assignor to Société Anonyme les Constructeurs Associes de Paris, Paris, France. Electric cooking device. 1,776,304; Sept. 23.
- Van Noorden, Ezekiel, Brookline, Mass. Attachment for dampers. 1,744,181; Jan. 21.
- Van Norman, Charles E., and B. F. Stowell, assignors to Van Norman Machine Tool Co., Springfield, Mass. Polishing machine. 1,761,059; June 3.
- Van Norman, Frederick D., assignor to Van Norman Machine Tool Company, Springfield, Mass. Magnetic throw-off for grinding machines. 1,763,201; June 10.
- Van Norman Machine Tool Company. (See Scott, James Y., assignor.)
- Van Norman Machine Tool Co. (See Van Norman, C. E., and Stowell, assignors.)
- Van Norman Machine Tool Company. (See Van Norman, Frederick D., assignor.)
- Van Norwick, John, Batavia, Ill., assignor to Appleton Manufacturing Company. Corn picking and husking machine. 1,766,348; June 24.
- Van Nostrand, Arleigh N., Flushing, N. Y., assignor to Telautograph Corporation, Richmond, Va. Electromagnet device. 1,744,346; Jan. 21.
- Van Note, Arthur A., Long Branch, N. J. Automobile hood fastener. 1,747,092; Feb. 11.
- Van Nuys, Claude C., Cranford and J. L. Schlitt, Elizabeth, N. J. assignors to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of gaseous mixtures. 1,771,197; July 22.
- Van Nuys, Claude C., Cranford, and J. L. Schlitt, Elizabeth, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Method of and apparatus for separating the constituents of gaseous mixtures. 1,774,462; Aug. 26.
- Van Nuys, Claude C., Cranford, and J. L. Schlitt, Elizabeth, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of gaseous mixtures. 1,784,120; Dec. 9.
- Van Orman, Ward T., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for and method of treating fabrics. 1,763,569; June 10.
- Van Orsdale, Allen A., Houston, Tex., assignor to The Brown Instrument Company, Philadelphia, Pa. Gravity-indicating system. 1,787,132; Dec. 30.
- Van Orstrand, Charles E., Washington, D. C. Apparatus for measuring depths of wells. 1,768,809; July 1.
- Van Oven, Emanuel. (See Hoogeweg, W. J., and Van Oven.)
- Van Pelt, Arnold F. (See Fischer, F., and Van Pelt.)
- Van Raalte, Dirk B. K., assignor to Charles P. Limbert Company, Holland, Mich. Drawer slide. 1,751,060; Mar. 18.
- Van Raaphorst, Harry. (See Van Bekkum, Richard, assignor.)
- Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Instrument board for automobiles. Des. 80,589; Feb. 25.
- Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Escutcheon plate for automobile instrument boards. Des. 80,515; Mar. 25.
- Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Radiator shell. Des. 82,462; Nov. 4.
- Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Automobile construction. 1,774,071; Aug. 26.
- Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Starting-crank arrangement for front-drive automobiles. 1,781,354; Nov. 11.
- Van Reeth, Emile, Antwerp, Belgium. Color combination speed indicator for vehicles. 1,771,237; July 22.
- Van Rijswijk, Willem, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Blade for rotary blowers and compressors. 1,759,027; May 20.
- Van Rijswijk, Willem, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Liquid sealed gland for machine shafts. 1,759,074; May 20.
- Van Riper, James F., and M. Mulligan, South Brownsville, Pa. Adjustable brake rod with removable bushing. 1,773,895; Aug. 26.
- Van Riper, Walker, Denver, Colo. Dandelion exterminator. 1,772,763; Aug. 12.
- Van Rossum, Alfons. (See Kramer, H., and van Rossum.)
- Van Ryan, Tony, and A. Alsaker, assignors to The Delta Star Electric Company, Chicago, Ill. Rotary switch. 1,758,206; May 13.
- Van Ryan, Tony, and A. Alsaker, assignors to The Delta Star Electric Company, Chicago, Ill. Rotary switch. 1,776,872; Sept. 30.
- Van Sant, Franklin A., Madison, Wis. Fountain-pen attachment. 1,746,065; Feb. 4.
- Van Sant, Robert H., Chicago, Ill. Applicator for toilet preparations. 1,752,765; Apr. 1.
- Van Schaack Bros. Chemical Works, Inc. (See Lacy, Kenneth B., assignor.)
- Van Schaack Bros. Chemical Works, Inc. (See Van Schaack, Robert H., jr., assignor.)
- Van Schaack Bros. Chemical Works, Inc. (See Van Schaack, R. H., jr., and Calvert, assignors.)
- Van Schaack, Robert H., jr., Evanston, assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Derivative of alkoxy-fatty acids. 1,759,331; May 20.
- Van Schaack, Robert H., jr., Evanston and R. Calvert, Wilmette, assignors to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Manufacture of acetic acid. 1,765,318; June 17.
- Van Sciver, J. B., Co. (See Van Sciver, Lloyd, assignor.)
- Van Sciver, Lloyd, Chestnut Hill, Pa., assignor to J. B. Van Sciver Co., Camden, N. J. Flap-supporting structure for desks. 1,779,648; Oct. 28.
- Van Scoit, Harry B., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Manual control means for bucket cleaners. 1,762,492; June 10.
- Van Sickels, John H., Montreal, Quebec, Canada, assignor to British-American Tobacco Company Limited, New York, N. Y. Cigarette package. 1,754,730; Apr. 15.
- Van Sickle, Roswell C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,763,202; June 10.
- Van Sickle, Roswell, C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,764,369; June 17.
- Van Sicklen Corporation. (See Thompson, Gertrude E., assignor.)
- Van Sicklen Corporation. (See van Sicklen, Norton H., jr., assignor.)
- Van Sicklen Corporation. (See Veneman, Carl C., assignor.)
- Van Sicklen, Norton H., jr., assignor to Van Sicklen Corporation, Geneva, Ill. Indicator. 1,779,684; Oct. 28.
- Van Slyke, Frederick E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Conveyer. 1,758,484; May 13.
- Van Slyke, Frederick E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining apparatus. 1,761,060; June 3.
- Van Splunter, John M., Grand Rapids, Mich. Electrical lock switch. 1,779,785; Oct. 28.
- Van Steenburg, George, Orlando, Fla. Sewage-disposal tank. 1,780,099; Oct. 28.
- Van Tassel, Edward D., jr., Swampscott, Mass., assignor to Van Tassel Sole & Leather Corporation, Norwich, Conn. Treating leather-impregnating material. 1,745,591; Feb. 4.
- Vantassel, Harry C., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,771,196; July 22.
- Van Tassel Sole & Leather Corporation. (See Van Tassel, Edward D., jr., assignor.)
- Vantilities, Inc. (See Weidner, Nathan, assignor.)
- Van Tuyl, Frank F., Ann Arbor, Mich. System for the pasteurization of liquids. 1,765,550; June 24.
- Van Urk, Arend T. (See Vermeulen R., van Urk, and Hermans.)
- Van Vactor, William F., Portland, Oreg. Explosive powder. 1,743,941; Jan. 14.
- Van Valkenburg, Hermon L., Milwaukee, Wis., assignor, by mesne assignments, to Square D Company, Detroit, Mich. Electric switch. 1,749,200; Mar. 4.
- Van Valkenburg, Hermon L., Milwaukee, Wis., assignor, by mesne assignments, to Square D Company, Detroit, Mich. Electric switch. 1,754,585; Apr. 15.
- Van Valkenburg, Hermon L., Milwaukee, Wis., assignor, by mesne assignments, to Square D Company, Detroit, Mich. Thermal overload relay. 1,755,231; Apr. 22.
- Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor, by mesne assignments, to Square D Company, Detroit, Mich. Thermal overload relay. 1,752,514; Apr. 1.
- Van Valkenburg, H. L., Wauwatosa, Wis., assignor, by mesne assignments, to Square D Company, Detroit, Mich. Motor-control system. 1,786,554; Dec. 30.
- Van Valkenburg, Herman L., and S. Miller, Wauwatosa, assignors to The Paralock Company, Milwaukee, Wis. Automobile seat. 1,756,230; Apr. 29.
- Van Valkenburg, John J., Lowe Inlet, British Columbia, Canada. Safety shackle snap. 1,751,458; Mar. 18.
- Van Valkenburg, Percy M., Adrain, Mich. Material spreader. 1,760,455; May 27.
- Van Valkenburgh, Cecil J. (See Van Valkenburgh, Randall T. and C. J.)
- Van Valkenburgh, Randall T. and C. J., Ann Arbor and Detroit, Mich. Power transmission mechanism. 1,767,329; June 24.
- Van Valkenburgh, Richard M., Kansas City, Mo., assignor, by mesne assignments, to Wilson-Jones Company, Chicago, Ill. Posting tray. 1,753,453; Apr. 8.
- Van Veen, Anton, West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Cutting mechanism for mop-making machines. 1,763,836; June 17.
- Van Vlaanderen Machine Company. (See Hinnekens, Florent, assignor.)
- Van Vlaanderen Machine Company. (See Hinnekens, Florent, assignor.)
- Van Vlaanderen Machine Company. (See Lane, George W., assignor.)
- Van Vliet, John D., San Francisco, Calif. Multipower plant transmission for aircraft and the like. 1,754,192; Apr. 8.
- Van Vliet, John D., San Francisco, Calif. Flying machine. 1,760,386; May 27.
- Van Vliet, John D., Cincinnati, Ohio. Automotive toy boat. 1,770,248; July 8.

- Van Voorhees, Harold E., assignor of one-half to F. F. Hamilton, Indianapolis, Ind. Muffler for internal-combustion engines. 1,756,711; Apr. 29.
- Van Voorhees, Harold E. (See Hamilton, F. F., and Van Voorhees.)
- Van Vuren, G. W. (See Sherwood, George, assignor.)
- Van Wagenen, James H., Washington, D. C. Brake. 1,774,684; Sept. 2.
- Van Wagenen, James H., Washington, D. C. Electromagnetic sound-producing device. 1,786,465; Dec. 30.
- Van Westrum, Leonard S., assignor to Bitucrete Limited, London, England. Manufacture of bituminous concrete. 1,752,214; Mar. 25.
- Van Wormer, Bernard A., La Grande, Oreg. Wheel. 1,748,198; Feb. 25.
- Van Wormer, John R., assignor to The American Paper Bottle Company, Toledo, Ohio. Paper-box sealing. 1,763,025; June 10.
- Van Wyck, Cecil. (See Jones, V. K., and Van Wyck.)
- Van Yaires, George, Westbury, N. Y. Cutting tool. 1,743,988; Jan. 14.
- Van Zile, Harry L., New York, N. Y. Ventilator. 1,761,061; June 3.
- Vapor Car Heating Company. (See Gold, E. H., Manchester, and Russell, assignors.)
- Vapor Car Heating Company. (See Gold, E. H., and Russell, assignor.)
- Vapor Car Heating Company. (See Parks, Paul B., assignor.)
- Vapor Car Heating Company. (See Russell, Edward A., assignor.)
- Vapor Car Heating Company. (See Russell, E. A., and Manchester, assignors.)
- Vapyre Corporation. (See Ford, Reid G., assignor.)
- Varaud, André, Geneva, Switzerland. Regulating device for clockwork-operated mechanical fuses for artillery projectiles. 1,767,493; June 24.
- Varcoe, Earl V., Philadelphia, Pa. Boiler. 1,785,058; Dec. 16.
- Vardeman, Robert W., Independence, Mo. Fountain toothbrush. 1,764,130; June 17.
- Vare, Raymond L., Germantown, Pa. Metallic railway tie. 1,754,917; Apr. 15.
- Vare, Raymond L., Germantown, Pa. Rail-fastening device. 1,769,323; July 1.
- Vargas, Manuel. (See Rimple, E. J., and Vargas.)
- Variable Speed Gear Limited, The. (See Ingoldby, Maurice K., assignor.)
- Varinois, Marcel, assignor to Société Anonyme des Laboratoires Robert & Carriere, Paris, France. String from animal origin and manufacturing the same. 1,764,233; June 17.
- Varityper, Inc. (See Trego, Frank H., assignor.)
- Varley, Thomas W., and W. C. Nein, New York, assignors to General Railway Signal Company, Rochester, N. Y. Pneumatic train control. 1,765,782; June 24.
- Varley, Thomas W. (See Nein, W. C., and Varley.)
- Varnau, Bernard H., and T. B. Wayne, Sugar Land, Tex. Ultrafine, soft, granulated sucrose sugar. 1,751,298; Mar. 18.
- Varner, David E., and E. W. Price, Wichita, Kans., assignors to The Simplex Vending Machine Company. Stamp-vending machine. 1,742,977; Jan. 7.
- Varney, George I., Montague, Mass., assignor of one-fourth to G. H. Brann, Bangor, Me. Rod-shaping device. 1,774,805; Aug. 26.
- Varney, Percy, Redwood City, Calif. Siphon starter. 1,771,426; July 29.
- Varney, Theodore, Sewickley, assignor to Aluminum Company of America, Pittsburgh, Pa. Dead-end fixture for cables. 1,746,879; Feb. 11.
- Varney, William W. (See Brown, John L., assignor.)
- Varnum, Arthur C., Auburn, and J. E. Birdsall, South Lawrence, Mass., said Birdsall, assignor to said Varnum. Picker-stick guide and picker check. 1,775,259; Sept. 9.
- Vartanian, Frank D., Portland, Me. Power shears. 1,758,485; May 13.
- Vary, Charles D., Elgin, Ill. Portable gasoline-filling-station booth. Des. 82,067; Sept. 16.
- Vasconcelles, Harvey J., Jacksonville, Ill. Stop signal. 1,770,561; July 15.
- Vasconcellos, Frank, Paia, Hawaii. Knife-carrying hub. 1,744,597; Jan. 21.
- Vasconcellos, John N., Honolulu, Hawaii. Gravity-operated figure toy. 1,768,174; June 24.
- Vasey, George F., assignor to Ridgely Heater Company, Scranton, Pa. Heater. 1,782,947; Nov. 25.
- Vasey, Joseph N., Brookfield, Ill. Musical instrument. 1,754,290; Apr. 15.
- Vasey, Joseph N., Brookfield, Ill. Musical instrument. 1,783,638; Dec. 2.
- Vasilevsky, George. (See Vasilevsky, Vsevolod, assignor.)
- Vasilevsky, Vsevolod, assignor of one-half to G. Vasilevsky, New York, N. Y. Fishing-tackle. 1,767,723; June 24.
- Vasselli, Anthony J., Newark, N. J. Automatic brake and clutch control for automobiles. 1,775,978; Sept. 16.
- Vassos, John, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. Des. 81,510; July 1.
- Vassos, John, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand telephone. Des. 81,511; July 1.
- Vassos, John, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. Des. 81,512; July 1.
- Vassos, John, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand telephone. Des. 81,513; July 1.
- Vassos, John, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. Des. 81,562; July 8.
- Vassos, John, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand telephone. Des. 82,068; Sept. 16.
- Vates, Adolf, Cologne-on-the-Rhine, Germany. Device for supplying water to stone saws. 1,765,890; June 24.
- Vatinet, Henri V. E., and C. Durand, Orly, France. Apparatus for revealing shocks in any moving mechanism. 1,746,171; Feb. 4.
- Vaclair, Charles P., Drexel Hill, and F. E. Merklinger, Philadelphia, Pa. Making axle boxes. 1,745,199; Jan. 28.
- Vaclair, Samuel M., Rosemont, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Locomotive. 1,755,974; Apr. 22.
- Vaclair, Samuel M., Rosemont, and H. Glaenger, Philadelphia, Pa. Locomotive. 1,765,251; June 17.
- Vaudreuil, Edward J., Los Angeles, Calif., assignor to Modern Devices, Incorporated, New York, N. Y. Hulling apparatus. 1,772,971; Aug. 12.
- Vaughan Company. (See Vaughan, Jay W., assignor.)
- Vaughan, Henry H., Montreal, Quebec, and W. G. Cumming, Westmount, Quebec, assignors to Cumming Pump Corporation Limited, Montreal, Canada. Air compressor. 1,756,712; Apr. 29.
- Vaughan, Jay W., assignor to Vaughan Company, Chicago, Ill. Cutting meat. 1,747,461; Feb. 18.
- Vaughan, William. (See Kriegsheim, H., and Vaughan.)
- Vaughan, William, Mount Holly, N. J., and W. M. Bruce, New York, assignors to The Permutit Company, New York, N. Y. Utilization of greensand. 1,774,533; Sept. 2.
- Vaughn, Clyde, Pasadena, Calif. Fumigating trees. 1,757,276; May 6.
- Vaughn, Frank O., Poughkeepsie, N. Y. Brake mechanism. 1,786,970; Dec. 30.
- Vaughn, George A., assignor to The Parsons Company, Newton, Iowa. Outtrigger for cranes or the like. 1,762,705; June 10.
- Vaughn, Robert C., et al. (See Glenn, J. H., jr., and Bennett, assignors.)
- Vaughn, Robert L., Crestview, Fla. Lady's hand bag. Des. 81,356; June 10.
- Vaughn, Sidney P., United States Navy, Ackerman, Miss. Lifting air screw for air vehicles. 1,777,630; Oct. 7.
- Vaught, Le Roy, Kansas City, assignor of one-third to A. C. Guy and one-third to W. E. Grimmer, North Kansas City, Mo. Valve holder and bushing ejector. 1,759,175; May 20.
- Vaught, Slimmie C., Pueblo, Colo. Barber's resilient razor wiper. 1,761,375; June 3.
- Vauthier, Alfred E., New York, N. Y. Safety clothesline pulley. 1,763,913; June 17.
- Vavorles, James, Burdine, Ky. Rail tie and fastening means. 1,755,196; Apr. 22.
- Vawter, Charles E., Philadelphia, Pa., assignor of one-half to Radio Patents Corporation, New York, N. Y. Electrical control device. 1,744,995; Jan. 28.
- Vawter, Charles E., Philadelphia, Pa., assignor to Dubilier Condenser Corporation, New York, N. Y. Apparatus for making electrical condensers. 1,757,692; May 6.
- Vawter, Charles E., Philadelphia, Pa., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Indicating bond tester. 1,779,347; Oct. 21.
- Vayda, John E., Bayonne, N. J. Banking and nosing level indicator. 1,765,551; June 24.
- Vazcane Process, Inc. (See Vazquez, Eugenio A., assignor.)
- Vazquez, Eugenio A., Habana, Cuba, assignor to Vazcane Process, Inc. Cellulosic product. 1,782,751; Nov. 25.
- Veale, Charles J., Pachuca, Mexico. Aligning device for driven belts. 1,771,957; July 22.
- Veall, Arthur J., Melbourne, Victoria, Australia. Quick-action electric switch. 1,758,870; May 13.
- Vecchio, Luigi, Schenectady, N. Y. Purifying exhaust gases. 1,775,876; Sept. 16.
- Vedder, John W., assignor to Rice, Barton & Fales, Incorporated, Worcester, Mass. Paper drier. 1,760,923; June 3.
- Vedder, John W., F. W. Lodding, and G. Lamoureux, assignors to Rice, Barton & Fales, Inc., Worcester, Mass. Fourdrinier machine. 1,771,452; July 29.
- Veder, Frederika, New York, N. Y. Tea-ball holder. 1,780,957; Nov. 11.
- Vedovelli, Mario, Milan, Italy. Steering gear for vehicles. 1,787,345; Dec. 30.
- Vee, Charles F., et al. (See Davin, Walter W., assignor.)
- Veeder, Curtis H., assignor to Veeder-Root, Incorporated, Hartford, Conn. Counter. 1,756,443; Apr. 29.
- Veeder-Root Incorporated. (See Veeder, Curtis H., assignor.)
- Veedix Limited. (See Sutton, Sidney D., assignor.)

- Veenhuyzen, George, Zwynrecht, Netherlands, assignor to the firm/Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Press for the treatment of moist materials. 1,769,658; July 1.
- Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Method of and apparatus for feeding water to boilers. 1,757,028; May 6.
- Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Feed-water valve. 1,759,146; May 20.
- Veenstra, Benjamin, Hawthorne, N. J. Water-flow device. 1,751,960; Mar. 25.
- Vegors, Albert L., Webster City, Iowa. Plowshare. 1,762,251; June 10.
- Vegren, Conrad R. (See Tobin, K. J., Beauchamp, and Vegren.)
- Veirs, Robert C. (See Sadler, F. W., and Veirs.)
- Veit, Anton L., assignor of one-half to W. Wagner, San Francisco, Calif. Automatic air-vehicle stabilizer. 1,748,502; Feb. 25.
- Veitel, Volkmar, assignor of one-half to ilbin Drechsel Söhne, Gornsdorf, Germany. Stocking. Des. 82,229; Oct. 7.
- Velchek, Albert S., South Chicago, Ill. Coaster. Des. 80,591; Feb. 25.
- Vellebuona, Julius C., Atlanta, Ga., assignor of fifty per cent to L. Loeb, New York, N. Y. Holder for disinfectants, deodorants, and the like. 1,751,257; Mar. 18.
- Velton, Stephen J., Houston, Tex. Aircraft motor. 1,780,450; Nov. 4.
- Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Measuring apparatus. 1,745,282; Jan. 28.
- Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Measuring and dumping apparatus. 1,745,777; Feb. 4.
- Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Sheave mounting. 1,747,744; Feb. 18.
- Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Ball-bearing-sheave construction. 1,747,745; Feb. 18.
- Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Concrete water-measuring device. 1,772,297; Aug. 5.
- Venable, William M., Pittsburgh, Pa., assignor to Blaw-Knox Company. Apparatus for apportioning the ingredients of mixtures. 1,775,609; Sept. 9.
- Venard, William G., Long Beach, Calif. Adjustable skip hoist. 1,785,371; Dec. 16.
- Venard, William G., Los Angeles, Calif. Scaffold. 1,785,399; Dec. 16.
- Vencill, Albert L., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Car retarder. 1,761,649; June 3.
- Venditti, Larry, Philadelphia, Pa. Aquarium. Des. 82,230; Oct. 7.
- Veneman, Carl C., Chicago, assignor to Van Sicklen Corporation, Elgin, Ill. Monogram or the like mounting. 1,770,186; July 8.
- Veneman, Charles, et al. (See Cope, Raymond, assignor.)
- Venn-Severin Machine Co. (See Severin, Frank W., assignor.)
- Venner, Clarence H., jr., New York, N. Y. Umbrella construction. 1,749,363; Mar. 4.
- Ventresca, Ercole, Houston, Tex. Inside-casing cutter. 1,780,100; Oct. 28.
- Ventura Manufacturing and Implement Company. (See Hamilton, William F., assignor.)
- Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,742,883; Jan. 7.
- Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,742,884; Jan. 7.
- Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,760,025; May 27.
- Venzie, Frederick M., Philadelphia, Pa. Building construction. 1,760,026; May 27.
- Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,760,027; May 27.
- Venzie, Frederick M., Philadelphia, Pa. Building partition. 1,764,428; June 17.
- Venzie, Frederick M., Philadelphia, Pa. Building construction. 1,764,587; June 17.
- Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,778,237; Oct. 14.
- Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,778,344; Oct. 14.
- Venzie, Frederick M., Philadelphia, Pa. Ceiling and wall structure. 1,778,345; Oct. 14.
- Venzlaff, Richard R. W., and O. F. Buck, Berlin, Germany. Endless-track vehicle. 1,756,770; Apr. 29.
- Verch, Charles, Albany, N. Y. Doorstop. 1,776,305; Sept. 23.
- Verdin, Kappes & Verdin Company, The. (See Kappes, William H., assignors.)
- Verdini, Jean L. J. R., Oudjda, Morocco. Camping installation. 1,748,809; Feb. 25.
- Vereenigde Knoopstapindustrie Systeem Bányai. (See Bányai, Maurus, assignor.)
- Verein für Chemische Industrie Aktiengesellschaft. (See Walter, Hans, assignor.)
- Vereinigte Eisenbahn-Signalwerke Gesellschaft mit beschränkter Haftung. (See Bonto, Georg, assignor.)
- Vereinigte Schuhfabriken Berneis-Wessels A. G. (See Klauer, Philipp, assignor.)
- Vereinigte Schuhfabriken Berneis-Wessels A. G. (See Schaffner, Karl, assignor.)
- Vereinigte Schuhfabriken Berneis-Wessels A. G. (See Schubart, Benno, assignor.)
- Vereinigte Stahlwerke A. G. Dusseldorf. (See Schötteldreier, Wilhelm, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Becker, Theodor A., assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Hinderer, Eugen, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Kosfeld, Wilhelm, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Rath, Julius, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Roeckner, Martin, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Schneider, Max, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Werthmann, Fritz, assignor.)
- Verhoff, John B., Lima, Ohio. Agricultural implement. 1,787,026; Dec. 30.
- Verhulst, Leonard. (See Wingard, W. and Verhulst.)
- Verley, Albert, Isle St. Denis, France. Substituting alkyl groups in the aromatic nucleus. 1,756,575; Apr. 29.
- Verlinden, Edmond, Milwaukee, Wis. Organ stop key. 1,775,260; Sept. 9.
- Verlinden, Edmond, Milwaukee, Wis. Automatic musical instrument. 1,775,261; Sept. 9.
- Verlinden, Edmond, Milwaukee, Wis. Pneumatic switch. 1,775,262; Sept. 9.
- Verlinden, Edmond, Milwaukee, Wis. Organ-stop action. 1,784,951; Dec. 16.
- Vermeulen, Roelof, A. T. van Urk, and T. H. Hermans, Eindhoven, Netherlands, assignors to Radio Corporation of America. Device for converting electric oscillations into mechanical vibrations. 1,781,795; Nov. 18.
- Vermiculite & Asbestos Company. (See Buck, Frank J., assignor.)
- Vermilye, Sherwood, Louisville, assignor to Louisville Drying Machinery Co., Inc., Jefferson County, Ky. Air seal. 1,773,828; Aug. 26.
- Vernam, Gilbert S. (See Parker, R. D., and Vernam.)
- Vernam, Gilbert S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Printing-telegraph exchange system. 1,762,252; June 10.
- Vernam, Gilbert S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Regenerative telegraph repeater. 1,771,453; July 29.
- Vernay, Jean B., Villeurbanne, France. Rotating filter apparatus. 1,765,252; June 17.
- Verner, Jules, Linden, N. J., assignor to Standard Oil Development Company. Foam column. 1,776,206; Sept. 16.
- Vernet, Sergius, Brooklyn, N. Y. Radiator shutter. 1,763,837; June 17.
- Vernet, Sergius, Brooklyn, N. Y. Radiator shutter. 1,763,838; June 17.
- Vernet, Sergius, Brooklyn, assignor of one-half to W. P. Hammond, Scarsdale, N. Y. Inertia pump for supplying gasoline to carburetors. 1,760,387; May 27.
- Vernet, Sergius, Brooklyn, assignor of one-half to W. P. Hammond, Scarsdale, N. Y. Automatic radiator shutter. 1,764,371; June 17.
- Vernet, Waldemar, New York, N. Y. Rubber-sponge soap dish. 1,756,713; Apr. 29.
- Vernia, Ernest A., Odebolt, Iowa. Check-wire gauge for corn planters. 1,782,948; Nov. 25.
- Vernor, James, Company. (See Doughty, William E., assignor.)
- Verona Chemical Co. (See Ehrlich, Jacob, assignor.)
- Veronda, William J., San Marino, Calif. Boxing amusement device. 1,781,307; Nov. 11.
- Veronneau, Louis H., Montreal, Quebec, Canada. Electric boiler. 1,745,068; Jan. 28.
- Veronneau, Louis H., Montreal, Quebec, Canada. Radiator. 1,753,540; Apr. 8.
- Verpillier, Henry E., Newark, N. J. Device for stretching nets and the like. 1,762,205; June 10.
- Ver Planck, William E., Salem, Mass., assignor to General Electric Company. Sealing shaft packings. 1,773,067; Aug. 12.
- Verran, Harry E. (See Kennedy, Charles F., assignor.)
- Verrecchia, John, Newark, N. J. Automatic drum player. 1,782,247; Nov. 18.
- Verry, Irving H. (See Gordon, A. A., and Verry.)
- Versteeg, Hendrik J., Diemen, Netherlands, assignor to C. J. Jung, Amsterdam, Netherlands. Apparatus for spraying molten substances. 1,758,878; May 13.
- Vertucci, Vincent M., Jersey City, N. J. Preparing chromium-plated ferrous articles. 1,780,213; Nov. 4.
- Vervoort, Lambert H., Jamestown, N. Y. Roller construction. 1,743,255; Jan. 14.
- Verwayen, Henderikus J., Astoria, N. Y. Vase. Des. 81,357; June 10.
- Verwayen, Henderikus J., Astoria, Long Island, N. Y. Lamp. Des. 82,069; Sept. 16.
- Verwys, Andrew J. (See Cornell, J. E., and Verwys.)
- Vesey, Wayne E., Plymouth, Wis., assignor to K-P-C Company, Chicago, Ill. Machine for lining boxes. 1,767,193; June 24.
- Vesperman, August, Schenectady, N. Y. Egg-testing device. 1,753,488; Apr. 8.
- Vester, Alfred, Sons, Inc. (See Wightman, Thomas H., assignor.)

- Vesuvius Corporation, The. (See Lynn, John S., assignor.)
- Vesuvius Crucible Company. (See Arensberg, Francis L., assignor.)
- Vesuvius Crucible Company. (See Arensberg, F. L., and Jackman, assignors.)
- Vesuvius Crucible Company. (See Arensberg, F. L., Jackman, and Jones, assignors.)
- Vesuvius Crucible Company. (See Jackman, A. J., and Jones, assignors.)
- Vet Products Laboratory Inc. (See Bauer, Charles, assignor.)
- Vethe, Anders E., Oslo, Norway. Calculating apparatus. 1,752,766; Apr. 1.
- Vethe, Anders E., Chicago, Ill. Calculating apparatus. 1,764,915; June 17.
- Veto Corporation. (See Hoffman, F. D., and Cluss, assignors.)
- Vetter, Louis J., assignor to Bliss Brothers Company, Attleboro, Mass. Watch bracelet. 1,752,128; Mar. 25.
- Vetterlein, Henry M., assignor of one-half to H. P. Burke, Philadelphia, Pa. Shutter. 1,743,696; Jan. 14.
- Vezzuso, Rocco, and J. Petrino, Brooklyn, N. Y. Toy scenic railway. 1,765,510; June 24.
- Vianello, Emilio, Milan, Italy. Apparatus for compressing air, gases, or vapors. 1,751,537; Mar. 25.
- Viard, Georges, Paris, France. Connecting the quads of an interurban cable with the loading coils at the loading points. 1,748,260; Feb. 25.
- Viberg, Ernest R., Montreal, Quebec, Canada. Box-car door. 1,746,749; Feb. 11.
- Viberg, Ernest R., Montreal, Quebec, Canada. Drawbar-key safety device. 1,756,406; Apr. 29.
- Viberg, Ernest R., Montreal, Quebec, Canada. Articulated car. 1,769,556; July 1.
- Vicars, Edward L., assignor to T. & T. Vicars Limited, Earlestown, England. Biscuit-making and the like machine. 1,782,327; Nov. 18.
- Vicars, T. & T., Limited. (See Vicars, Edward L., assignor.)
- Vicary, Edward H. (See Dupuis, L. L., and Vicary.)
- Vicente, Saturnino G., Madrid, Spain. Set of instruments for the passage of the glottis by means of the touch. 1,761,761; June 3.
- Vickerman, Arthur D., Pueblo, Colo. Screening machine. 1,753,630; Apr. 8.
- Vickers-Armstrongs Limited. (See Jones, Albert E., assignor.)
- Vickers-Armstrongs Limited. (See Larsson, Carl A., assignor.)
- Vickers-Armstrong Limited. (See Nasmith, J. I., and Chicken, assignors.)
- Vickers-Armstrongs Limited. (See Pratt, Hartley B., assignor.)
- Vickers (Aviation) Limited. (See Wibault, Michel, assignor.)
- Vickers, Harry F., Los Angeles, Calif. Control valve. 1,774,685; Sept. 2.
- Vickers, Harry H., Corono, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,743,640; Jan. 14.
- Vickers Limited. (See Mellstrom, Charles G., assignor.)
- Vickers Limited. (See Nasmith, John I., assignor.)
- Vickers Limited. (See Pierson, R. K., and Duncan, assignors.)
- Vickery, Harry W., Lynn, Mass., assignor to General Electric Company. Adjustable socket. 1,746,096; Feb. 4.
- Vickrey, Benjamin D., Kosse, Tex. Spring jack. 1,755,088; Apr. 15.
- Victor Adding Machine Company. (See Garbell, Max, assignor.)
- Victor Adding Machine Co. (See Johantgen, Oliver D., assignor.)
- Victor, Alexander F., Davenport, Iowa. Miniature motion-picture theater. 1,755,280; Apr. 22.
- Victor, Alexander F., New York, N. Y. Film-sprocket structure. 1,781,937; Nov. 18.
- Victor, Benjamin J., Oak Park, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Safety attachment for punch presses. 1,783,817; Dec. 2.
- Victor Chemical Works. (See Adler, H., and McDonald, assignors.)
- Victor, John H., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Gasket. 1,771,596; July 29.
- Victor Manufacturing & Gasket Company. (See Owen, Frank J., assignor.)
- Victor Manufacturing & Gasket Co. (See Sutcliffe, Edwin A., assignor.)
- Victor Manufacturing & Gasket Company. (See Victor, Benjamin J., assignor.)
- Victor Manufacturing & Gasket Co. (See Victor, John H., assignor.)
- Victor Talking Machine Company. (See Buckle, Horace L. T., assignor.)
- Victor Talking Machine Company. (See Cadell, John F., assignor.)
- Victor Talking Machine Company. (See Elliott, Harold F., assignor.)
- Victor Talking Machine Company. (See Greene, Thomas T., assignor.)
- Victor Talking Machine Company. (See Horning, Louis P., Jr., assignor.)
- Victor Talking Machine Company. (See Johnson, E. R. F., and Williams, assignors.)
- Victor Talking Machine Company. (See Jones, Frederick C., assignor.)
- Victor Talking Machine Company. (See La Rue, William D., assignor.)
- Victor Talking Machine Company. (See Luker, Armer P., assignor.)
- Victor Talking Machine Company. (See Squibb, Lloyd Y., assignor.)
- Victor Talking Machine Company. (See Stevenson, William B., assignor.)
- Victor Talking Machine Company. (See Wickes, Clarence S., assignor.)
- Victor Talking Machine Company. (See Williams, S. T., and Greene, assignors.)
- Victor Talking Machine Company. (See Williams, Selden T., assignor.)
- Victor V-ray Corporation. (See Wantz, J. B., and Grothe, assignors.)
- Victor X-Ray Corporation. (See Wantz, Julius B., assignor.)
- Victorsohn, Morris, Brooklyn, N. Y. Apparel apparatus. 1,751,777; Mar. 25.
- Victory Racing Plate Company, The. (See Langlois, Earl H., assignor.)
- Victory Sparkler & Specialty Company. (See Clauser, Herbert, assignor.)
- Videtto, Peyton L. (See Taft, E. P., Videtto, and Gaddy.)
- Vidrio Products Corporation. (See Hoffberg, Louis, assignor.)
- Viehmann, August W., Belleville, Ill. Automatic screen cleaner. 1,779,348; Oct. 21.
- Vielbig, Leonard, Madison, N. J. Cutting board. 1,776,961; Sept. 30.
- Viele, John H., Elmira, N. Y. Water-locking suction valve for hydrocarbon fuel storage tanks. 1,751,371; Mar. 18.
- Viele, Sylvester M., Altoona, Pa. Apparatus for mounting wires. 1,756,316; Apr. 29.
- Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Electric welding. 1,773,068; Aug. 12.
- Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 1,783,063; Nov. 25.
- Viera, Raphael, Scranton, Pa. Screen awning. 1,763,383; June 10.
- Vieth, William F., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote control system. 1,763,203; June 10.
- Viets, Floyd H., Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for fluid-pressure regulation. 1,752,268; Mar. 25.
- Vieu, Charles, and L. Mourgeon; said Vieu assignor to said Mourgeon and Compagnie des Mines de Vicoigne, Noeux & Drocourt, Paris, France. Apparatus for the manufacture of smokeless fuel. 1,752,044; Mar. 25.
- Vigliano, Joseph, New York, N. Y. Gear-shifting mechanism. 1,772,764; Aug. 12.
- Vigneron, Jean-Baptiste J. A., La Rochelle, France, assignor to V. D. Limited, London, England. Trawling gear. 1,785,236; Dec. 16.
- Vignos, James C., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Cleaning and protecting metal surfaces. 1,750,651; Mar. 18.
- Vignos, James C., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Metal pickling. 1,756,317; Apr. 29.
- Vignos, James C., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Cleaning and preservation of metallic surfaces. 1,779,787; Oct. 28.
- Viken, Antonius J. (See Beldler, D. C., and Viken.)
- Viking Products Corporation. (See Van Bloem, Paul S., assignor.)
- Viking Pump Company. (See Petersen, Peter C., assignor.)
- Viking Tool and Machine Co. (See Reiss, Paul, assignor.)
- Vilas Oil Burners Limited. (See Fogarty, Orville A., assignor.)
- Vilas, Royal C., Golf, Ill. Combined air-circulating fan and heater. 1,785,752; Dec. 23.
- Villano, John W. (See Piccolo, J., and Villano.)
- Villarejo, Alfred E., assignor of one-half to R. P. Zetting, Milwaukee, Wis. Printing plate and producing the same. 1,776,015; Sept. 16.
- Villaret, Gustave E., Leonia, N. J., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric-light bracket. Des. 80,404; Jan. 21.
- Villaret, Gustave E., Leonia, N. J., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric-light ceiling fixture. Des. 80,405; Jan. 21.
- Villaret, Gustave E., Leonia, N. J., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric-light fixture. Des. 80,406; Jan. 21.
- Villasenor, Eduardo T., New York, N. Y. Collar protector. 1,768,384; June 24.
- Villella, Charles J., Emporium, Pa. Testing outfit. 1,786,971; Dec. 30.
- Villemey, Albert E., Lyon-Villeurbanne, France. Drying apparatus for skeins. 1,771,906; July 29.
- Vilneau, Walter W., et al. (See Vilneau, W. W., and Chittenden, assignors.)
- Vilneau, Walter W., and E. Chittenden, Palo Alto, Calif., assignors of one-third to H. E. Jensen, one-third to W. P. Goodenough, and one-third to W. W. Vilneau, Palo Alto, Calif. Hardwood-floor-nailing machine. Re-17,651; Apr. 22.
- Vince, Albert E. (See Brayton, W. V., and Vince.)

- Vincent, Ainsley J., Lawrence, Mass. Window and screen therefor. 1,755,801; Apr. 22.
- Vincent, Ainsley J., Lawrence, Mass. Screen-guiding window frame. 1,772,765; Aug. 12.
- Vincent, Charles W., Kingston, Pa. Aeroplane wing. 1,753,075; Apr. 1.
- Vincent, Frank J., Little Falls, N. Y. Bat. 1,758,418; May 13.
- Vincent, Frank P., Elyria, assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Apparatus for forming oval structural high-carbon-steel tubes. 1,778,438; Oct. 14.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,729,147; May 20.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Automatic transmission mechanism. 1,744,182; Jan. 21.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,766,858; June 24.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,766,859; June 24.
- Vincent, Ray D., Barberton, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Method of and apparatus for retreading tires. 1,748,590; Feb. 25.
- Vincent, Robert I., Batavia, N. Y. Decorating walls. 1,742,332; Jan. 7.
- Vincent, Sidney C. (See Volkman, F. C., and Vincent.)
- Vincent, Sidney C., Baltimore, Md. Electric time switch. 1,767,103; June 24.
- Vincent, Sidney C., Baltimore, Md. Light-reflecting unit and means for supporting the same. 1,767,160; June 24.
- Vinciguera, Anthony M., Brooklyn, N. Y. Bag gusset. 1,750,375; Mar. 11.
- Vineberg, Louis, Windsor, Ontario, Canada. Safety pocket. 1,786,879; Dec. 30.
- Vingheroets, Louis, Grand Rapids, Mich., assignor to Dow Gas Engine Starter Corporation, Wilmington, Del. Starter for internal-combustion engines. 1,761,457; June 3.
- Vining, Merritt A., Grand Rapids, Mich. Ventilating apparatus. 1,763,282; June 10.
- Vinson, Elmer E., San Francisco, Calif. Pumping system. 1,766,156; June 24.
- Virck, Paul, Dessau, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Producing fast dyeings and printings. 1,774,621; Sept. 2.
- Virck, Paul, Dessau in Anheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyeing pelts, hairs, feathers, and the like. 1,775,074; Sept. 2.
- Virck, Paul, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyeing pelts, hairs, feathers, and the like. 1,778,819; Oct. 21.
- Virginia Shoe Company. (See Bean, Lafayette, assignor.)
- Virginia Toy and Novelty Manufacturing Company. (See Saunier, Pierre P., assignor.)
- Vis, George A., assignor to Budd Wheel Company, Philadelphia, Pa. Nut-tapping machine. 1,745,778; Feb. 4.
- Viscolosi, Louis, Providence, assignor to The Esmond Mills, Esmond, R. I. Loom. 1,784,400; Dec. 9.
- Viscose Company, The. (See Breakell, J., and La Brie, assignors.)
- Viscose Company, The. (See Meurling, Ivar, assignor.)
- Viscose Company, The. (See Smith, William L., assignor.)
- Visitation, Aniceto R., assignor of one-fourth to G. W. Weigel and one-half to L. G. Weigel, New York, N. Y. Lighter. 1,752,658; Apr. 1.
- Visitation, Aniceto R., assignor of one-fourth to General W. Weigel and one-half to L. G. Weigel, New York, N. Y. Automatic cane-carried lighter. 1,754,808; Apr. 15.
- Visker, Simon G., Amsterdam, Netherlands. Spark arrester. 1,757,760; May 6.
- Visometer Corporation, The. (See Pulverman, Philip E., assignor.)
- Visota, Taras, Buenos Aires, Argentina. Piston for explosion motors. 1,747,534; Feb. 18.
- Vissat, Anthony L., Jeannette, Pa. Railway cross over frog construction. 1,784,211; Dec. 9.
- Vlsscher, Gertrude P., Memphis, Tenn. Container. 1,749,680; Mar. 4.
- Vita, Charles S., assignor to Carolyn Laundry, New York, N. Y. Shirt-collar support. 1,777,814; Oct. 7.
- Vitale, Carmine, New York, N. Y. Window lock. 1,763,914; June 17.
- Vitale, Francesco. (See Restucci, Giuseppe, assignor.)
- Vitamin Food Co. (See Allen, R. M., and Timmer, assignors.)
- Vitamin Food Co. (See Prince, Robert K., assignor.)
- Vitrefrax Corporation, The. (See Curtis, Thomas S., assignor.)
- Vitrified Iron Products Company, The. (See Warman, Harry, assignor.)
- Vitte, Paul R., Long Beach, Calif. Clamping machine for snap fasteners. 1,784,034; Dec. 9.
- Vitto, Ben, Chicago, Ill. Multiple xylophone finger. 1,761,245; June 3.
- Vitrolite Company, The. (See Meyercord, George R., assignor.)
- Vivarttas, William O., assignor to Mattison Machine Works, Rockford, Ill. Multiple gauge. 1,763,333; June 10.
- Vivas, Fernando S., assignor to International Fireproof Products Corporation, New York, N. Y. Fireproof wall board and producing the same. 1,754,843; Apr. 15.
- Vivas, Fernando S., assignor to International Fireproof Products Corporation, New York, N. Y. Treating wood. 1,768,175; June 24.
- Vivatex Processes, Inc. (See White, C. B., and Schaefer, assignor.)
- Vivenoy, Guillaume N., Brussels, Belgium. Combination tool. 1,757,029; May 6.
- Viviano, Thomas J., Carnegie, Pa. Merchandise-display receptacle. Des. 80,340; Jan. 14.
- Vivier, Maurice J. E., Evreux, France. Protecting apparatus for drivers of motor or other vehicles. 1,772,233; Aug. 5.
- Vizard, William C., Brockton, assignor to P. E. Barbour, trading as Barbour Welting Company, Brockton, Mass. Leash or analogous article. Des. 81,947; Sept. 2.
- Vlaviano, Nikitas D., Chicago, Ill. Joint for foot rests. 1,748,005; Feb. 18.
- Vlichek Tool Company, The. (See Kneier, Joseph, assignor.)
- Vles, Samuel I., Arnhem, Netherlands. Production of partially-hydrolyzed cellulose acetates. 1,782,796; Nov. 25.
- Vliet, Elmer B., Chicago, and E. H. Volwiler, Highland Park, assignors to Abbott Laboratories, North Chicago, Ill. Therapeutic tablet. 1,754,809; Apr. 15.
- Vnuik, Frank J., Clarkson, Nebr. Combined portable gasoline tank and pump. 1,768,186; June 24.
- Vobach, Arnold C., Whiting, Ind., and E. C. Herthel, assignors to Sinclair Refining Company, Chicago, Ill. Oil still. 1,756,407; Apr. 29.
- Vock, William A., Long Beach, and A. C. Towne, Lomita, Calif. Well tool. 1,757,064; May 6.
- Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,747,196; Feb. 18.
- Vodoz, Frederick W., assignor to Goodman Manufacturing Company, Chicago, Ill. Device for handling loose materials. 1,765,511; June 24.
- Vodoz, Frederick W., Wilmette, assignor to Goodman Manufacturing Company, Chicago, Ill. Drilling mechanism. 1,781,887; Nov. 18.
- Voedisch, Alfred. (See Skidmore, R. P., and Voedisch.)
- Voellmy, Hans, Basel, Switzerland. Apparatus for determining the refraction and dispersion. 1,776,712; Sept. 23.
- Voetter, Ernst, Konstanz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Sulphur dye-stuff paste. 1,749,963; Mar. 11.
- Vogan, Frank M., Canton, Ohio. Washtub. 1,775,708; Sept. 16.
- Vogel, Frank H., assignor to The Columbus Vending Company, Columbus, Ohio. Vending-machine casing. Des. 81,358; June 10.
- Vogel, Frank H., assignor to The Columbus Vending Company, Columbus, Ohio. Vending-machine casing. Des. 81,818; Aug. 12.
- Vogel, Fred J. (See Thompson, A. W., and Vogel.)
- Vogel, Fred J., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer. 1,751,223; Mar. 18.
- Vogel, Frederick W., assignor to Brown Company, Berlin, N. H. Making carbon bisulphide. 1,765,809; June 24.
- Vogel, Henry R. (See Maloney, F. G., Vogel, and Wheeler.)
- Vogel, Hugo A., Detroit, Mich. Candle holder. Des. 82,297; Oct. 14.
- Vogel, Karl G. (See Sanderson, A. N., Dana, and Vogel.)
- Vogel, M., A. G. Geschäftsbücherund Metallwaren-Fabrik. (See Pohl, F., and Vogel, assignors.)
- Vogel, Max. (See Pohl, F., and Vogel.)
- Vogel, Paul R., Chicago, Ill. Card holder. 1,769,610; July 1.
- Vogel, William, Highland Park, assignor to The Raymond Brothers Impact Pulverizer Co., Chicago, Ill. Journal for pulverizing rollers. 1,772,120; Aug. 5.
- Vogel, Willard L., Los Angeles, Calif., assignor of one-tenth to P. W. Prutzman. Mercury-bromin derivative of fluorescein. 1,749,201; Mar. 4.
- Vogele, Theodore K., Butler, Pa. Apparatus for mining. 1,776,799; Sept. 30.
- Vogelsang, Fritz, Berlin, Germany, assignor, to Sächsische Metallwarenfabrik August Wellner Söhne, Aktiengesellschaft, Auei Sa, Saxony. Cigar or cigarette extinguisher. 1,764,862; June 17.
- Vogl, Hubert, Neu Ullersdorf, Austria. Bark-stripping machine. 1,751,258; Mar. 18.
- Vogl, Otto, Chicago, Ill. Ribbon-spool holder or the like. Des. 81,215; May 20.
- Vogler, Frank C., San Antonio, Tex. Traffic signal. 1,771,667; July 29.
- Vogt, Charles H., Philadelphia, Pa. Food product and marketing the same. 1,786,372; Dec. 23.
- Vogt, Clarence C., Pittsburgh, Pa. Dental cement. 1,760,388; May 27.
- Vogt, Clarence W., Louisville, Ky., assignor, by mesne assignments, to Frigidaire Corporation. Pressure-retaining system. 1,747,338; Feb. 18.
- Vogt, Clarence W., assignor to Vogt Instant Freezers, Inc., Louisville, Ky. Apparatus and process for treating materials. 1,783,864; Dec. 2.
- Vogt, Clarence W., Louisville, Ky., assignor to Vogt Instant Freezers, Inc. Machine for processing materials. 1,783,865; Dec. 2.

- Vogt, Clarence W., assignor to Vogt Instant Freezers, Inc., Louisville, Ky. Process and apparatus for treating materials. 1,783,866; Dec. 2.
- Vogt, Clarence W., Louisville, Ky., assignor to Vogt Instant Freezers, Inc. Machine for processing materials. 1,783,867; Dec. 2.
- Vogt, Hans. (See Engl, J., Vogt, and Massolle.)
- Vogt, Hans, Berlin-Wilmersdorf, Germany. Vibrating condenser. 1,782,278; Nov. 18.
- Vogt, Henry, Machine Co. (See Thurstensen, Soren, assignor.)
- Vogt, Fritz, Portland, Oreg. Drawer guide. 1,786,045; Dec. 23.
- Vogt Instant Freezers, Inc. (See Vogt, Clarence W., assignor.)
- Vogt, Wilmer, et al. (See Steiner, Martin, assignor.)
- Vohmann, Fritz, Saarbrücken, Germany. Shunting apparatus for use on railways. 1,770,719; July 15.
- Voices, Incorporated. (See Grubman, Leo J., assignor.)
- Voight, George F., Oakland, Calif. Toothbrush holder. 81,859; Aug. 19.
- Voigt, Albert P. J., Galveston, Tex. Separator. 1,757,103; May 6.
- Voigt, Albert P. J., Galveston, Tex. Muffler for internal-combustion engines. 1,777,510; Oct. 7.
- Voigt, Eduard M., Koenigsberg, Germany. Collecting cup. 1,742,331; Jan. 7.
- Voigt, Frank D., Salem, Oreg. Dental amalgam mixer. 1,774,954; Sept. 2.
- Voigt, Max T., assignor, by mesne assignments, to American Safety Table Company, Inc., Reading, Pa. Transmission apparatus. 1,756,576; Apr. 29.
- Voigt, Robert W., assignor to the firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Device for forming groups of a definite number of articles. 1,764,663; June 17.
- Voigt, Robert W., assignor to the firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Apparatus for collecting and superposing groups of cigarettes. 1,764,664; June 17.
- Voigt, Robert W., assignor to the firm Universelle Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Apparatus for closing packets provided with a closure flap. 1,766,860; June 24.
- Voigt, Robert W., assignor to the firm "Universelle" Cigaretten-Maschinen Fabrik, J. C. Müller & Co., Dresden, Germany. Transferring groups of oval cigarettes. 1,767,824; June 24.
- Voigt, Robert W., assignor to the firm Johann Carl Müller, Dresden, Germany. Machine for packing cigarettes. 1,769,557; July 1.
- Voigtländer, Hermann, and O. Kaufels, assignors to Gewerkschaft Wallram Abteilung Metallwerke, Essen, Germany. Apparatus for the manufacture of castings of difficultly-meltable metals and metalloids. 1,776,053; Sept. 16.
- Voisinot, Frank C. (See Gjørup, Thomas E., assignor.)
- Voit, Grover C., Hopedale, Ohio. Truck equalizer for steam shovels and the like. 1,745,820; Feb. 4.
- Voith, J. M. (See Hahn, Wilhelm, assignor.)
- Voituron, Edmund, Brussels, Belgium, assignor to Societe Belge De L'Azote, Ougree, Belgium. Lead column, pipe, or the like. 1,773,655; Aug. 19.
- Völcker, Ernst, Bernburg, Germany. Heating boiler plants. 1,772,972; Aug. 12.
- Volckhausen, Julius, Weehawken, N. J., assignor A. Schrader's Son, Inc., Brooklyn, N. Y. Tire-valve insides. 1,779,573; Oct. 28.
- Vokes, Cecil G. (See Flood, Henry R., assignor.)
- Volare, Fred, Scotch Plains, N. J., assignor to The Aeolian Company. Pedal means for automatic pianos and the like. 1,749,403; Mar. 4.
- Völcker, Ernst, Bernburg, Germany. Combustion method for fuels. 1,754,586; Apr. 15.
- Volet, René A. L., La Vareune St. Hilaire, France. Pump. 1,783,486; Dec. 2.
- Volf, Christian A., jr., Brooklyn, N. Y. Vehicle siren. 1,761,162; June 3.
- Volk, Karl L. (See Bopp, F. W., and Volk.)
- Volk, Joseph A., Norwalk, Conn. Vaporproof lighting unit. 1,785,538; Dec. 16.
- Volkes, Morris. (See Gursky, H., and Volkes.)
- Volkman, Frederick C., and S. C. Vincent, Baltimore, Md. Flasher signal. 1,767,104; June 24.
- Volkman, Ernst, assignor to W. N. Matthews Corporation, St. Louis, Mo. Switch. 1,743,942; Jan. 14.
- Volland Scenic Studios, Inc. (See Volland, Victor H., assignor.)
- Volland, Victor H., Clayton, assignor to Volland Scenic Studios, Inc., St. Louis, Mo. Operating means for curtain drops. 1,747,916; Feb. 18.
- Volle, George H., Springfield, Ill. Electrical window lift for automobiles. 1,750,736; Mar. 18.
- Vollhardt, Heinrich, Frankfurt-on-the-Main, Germany. Whipping top. 1,783,593; Dec. 2.
- Vollink, Simon W., Hastings, Mich. Transplanter. 1,765,467; June 24.
- Vollink, Simon W., Nashville, Mich. Transplanting machine. 1,765,468; June 24.
- Vollink, Simon W., Tecumseh, Mich. Transplanting machine. 1,765,469; June 24.
- Vollm, Adolf, Somerville, Mass. Glass cutter. 1,750,913; Mar. 18.
- Vollman, Felix B., New York, N. Y. Stick pin. Des. 81,607; July 15.
- Vollman, Felix B., New York, N. Y. Stick pin. Des. 81,608; July 15.
- Vollmann, Heinrich. (See Kränzlein, G., and Vollmann.)
- Vollmer, William A., assignor to Simmons Company, Kenosha, Wis. Tip. 1,751,372; Mar. 18.
- Vollmer, William A., assignor to Simmons Company, Kenosha, Wis. Caster socket. 1,761,319; June 3.
- Vollmer, William A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Cushioned tip. 1,767,194; June 24.
- Vollten, Theodore F., Bethesda, Md., assignor to P. D. Lowell, Jamaica, N. Y. Radio frequency amplification system. 1,748,432; Feb. 25.
- Volquardsen, Leland J., San Francisco, Calif. Spring hinge for ice-box doors. 1,759,474; May 20.
- Voltz, William, Ridgefield, Wash. Wave producer for swimming tanks. 1,763,491; June 10.
- Vol-U-Meter Company, The. (See Bruno, Joseph C., assignor.)
- Volwiler, Ernest H. (See Vliet, E. B., and Volwiler.)
- Volz, Charles A., Birmingham, Mich. Level device. 1,780,253; Nov. 4.
- Volz, Charles R., Walnut Creek, Calif. Protector. 1,772,922; Aug. 12.
- Volz, Charles R., Walnut Creek, Calif. Protector. 1,772,923; Aug. 12.
- Volz, Chris L., Detroit, Mich. Electric hair clipper. 1,746,567; Feb. 11.
- Volz Engineering Corporation. (See Volz, Gottlieb W., assignor.)
- Volz, Gottlieb W., assignor to Volz Engineering Corporation, Long Beach, Calif. Valve motion for duplex pumps. 1,772,121; Aug. 5.
- Von Arco, Georg, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Radio transmitting system. 1,744,711; Jan. 21.
- Von Arco, Georg, assignor to Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Frequency multiplier. 1,745,389; Feb. 4.
- Von Arco, Georg, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Means to keep mechanical driving mechanisms at a constant rate of rotation. 1,772,373; Aug. 5.
- Von Arco, Georg, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillation generation. 1,773,556; Aug. 19.
- Von Arco, Georg, Berlin, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio system. 1,775,181; Sept. 9.
- Von Arco, Georg, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio receiving system. 1,784,506; Dec. 9.
- Von Ardenne, Manfred, Berlin, Germany, assignor to Radio Corporation of America. Radio receiving circuit. 1,744,936; Jan. 28.
- Von Ardenne, Manfred, and H. Heinert, Berlin, Germany, assignors to Radio Corporation of America. Electron-tube circuits. 1,784,857; Dec. 16.
- Von Asten & Cie., Societe en Commandite. (See Asten, E. V., and Hill, assignors.)
- Von Auw, Alwin, Brooklyn, assignor to Boorum & Pease Company, New York, N. Y. Visible index. 1,765,192; June 17.
- Von Auw, Alwin, assignor to Boorum & Pease Company, Brooklyn, N. Y. Visible index. 1,765,193; June 17.
- Von Auw, Alwin, assignor to Boorum & Pease Company, Brooklyn, N. Y. Temporary book of sheets. 1,765,194; June 17.
- Von Beckerath, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 1,746,327; Feb. 11.
- Von Beckerath, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Impulse-correcting repeater. 1,747,405; Feb. 18.
- Von Bichowsky, Foord, Glendale, assignor to Titania Corporation, Los Angeles, Calif. Titanium oxide and producing same. 1,742,674; Jan. 7.
- Von Bichowsky, Foord, Glendale, assignor to Titania Corporation, Los Angeles, Calif. Titanium-acid sulphate and producing same. 1,783,684; Dec. 2.
- Von Bogdandy, Stephan. (See Polanyi, M., and von Bogdandy.)
- Von Borosini, August, Lugano, Switzerland. Syringe nozzle or tube. 1,764,588; June 17.
- Von Braun, Julius, and O. Bayer, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Catalytically reducing anthraquinone compounds and new hydrogenized products derived therefrom. 1,751,670; Mar. 25.
- Von Braun, Julius, and O. Bayer, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Catalytically reducing anthraquinone compounds and new hydrogenized products derived therefrom. 1,758,381; May 13.
- Von Braun, Julius and O. Bayer, Frankfurt-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Catalytically reducing anthraquinone compounds and new hydrogenized products derived therefrom. 1,758,382; May 13.
- Von Brockdorff, Rudolf, Munich, Germany, assignor to Schutte and Koerting Company, Philadelphia, Pa. Electric heating means. 1,756,444; Apr. 29.

- Von den Driesch, Joseph, Dresden, assignor to the Firm Fr. Küttner Aktiengesellschaft, Pirna-on-the-Elbe, Germany. Apparatus for washing, bleaching, and dyeing artificial silk in the hanks or spinning cakes. 1,783,103; Nov. 25.
- Von der Lippe-Lipski, Elaine, Washington, D. C. Changeable exhibitor. 1,784,364; Dec. 9.
- Von der Lippe-Lipski, Elaine, Washington, D. C. Animated sign. 1,784,365; Dec. 9.
- Von Dey, Paul. (See Weller, Fritz, assignor.)
- Von Diersburg, Karl F. R., Graefelfing, near Munich, Germany. Moving lamp for signs and advertisements. 1,785,465; Dec. 16.
- Von Dieterich, Wilhelm, Honningen-on-the-Rhine, assignor to the firm Rhenania-Kunheim Verein Chemischen Fabriken Aktiengesellschaft, Berlin, Germany. Mold for casting sulphur. 1,784,769; Dec. 9.
- Von Dorn, Theodore F. (See Norwood, Harry G., assignor.)
- Von Ehrental, Bruno, Cothen, Anhalt, Germany, and Karl Scholz, Tetschen-on-the-Elbe, Czechoslovakia. Apparatus for extracting fibers from plant stalks. 1,757,349; May 6.
- Von Frankenberg, Arthur, New York, N. Y. Combination cigarette holder and ash tray or the like article. Des. 80,816; Mar. 25.
- Von Frankenberg, Arthur, New York, N. Y. Ash tray or similar article. Des. 82,197; Sept. 30.
- Von Frankenberg, Arthur, New York, N. Y. Lamp or similar article. Des. 82,198; Sept. 30.
- Von Frankenberg, Arthur, New York, N. Y. Lamp or similar article. Des. 82,199; Sept. 30.
- Von Frankenberg, Arthur, New York, N. Y. Lamp or similar article. Des. 82,401; Oct. 28.
- Von Frankenberg, Arthur, New York, N. Y. Ash tray or similar article. Des. 82,463; Nov. 4.
- Von Frankenberg, Arthur, New York, N. Y. Waterproof receptacle. 1,766,569; June 24.
- Von Frankenberg, Arthur, New York, N. Y. Receptacle. 1,781,141; Nov. 11.
- Von Frankenberg, Arthur, New York, N. Y. Water-tight receptacle. 1,783,756; Dec. 2.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp. Des. 80,296; Jan. 7.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 80,502; Feb. 11.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 80,649; Mar. 4.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Smoking stand or similar article. Des. 80,925; Apr. 8.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp or similar article. Des. 81,265; May 27.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp or similar article. Des. 81,469; June 24.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Combination cigarette holder and ash tray or similar article. Des. 81,609; July 15.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 81,899; Aug. 26.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp or similar article. Des. 81,948; Sept. 2.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp. Des. 82,008; Sept. 9.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp or similar article. Des. 82,298; Oct. 14.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp or similar article. Des. 82,400; Oct. 28.
- Von Frantzlius, Peter, Chicago, Ill. Pistol. Re17,813; Sept. 23.
- Von Frantzlius, Peter, Chicago, Ill. Pistol. 1,760,674; May 27.
- Von Frantzlius, Peter, Chicago, Ill. Pistol. 1,775,178; Sept. 9.
- Von Frommer, Rudolf, Budapest, Hungary. Rib for sporting gun. Des. 80,341; Jan. 14.
- Von Frommer, Rudolf, Budapest, Hungary. Cartridge guide for repeating guns. 1,749,726; Mar. 4.
- Von Frommer, Rudolf, Budapest, Hungary. Automatic firearm. 1,758,486; May 13.
- Von Girsewald, Conway, and H. Neumark, Frankfort-on-the-Main, Germany. Making anhydrous zinc chloride by reacting zinc oxide with chlorine. 1,743,740; Jan. 14.
- Von Girsewald, Conway, Frankfort-on-the-Main, Germany. Production of aluminum-silicon alloys free from carbide. 1,747,197; Feb. 18.
- Von Girsewald, Conway F., and H. Neumark, Frankfort-on-the-Main, Germany. Making zinc from oxygen compounds of zinc or substances containing oxygen compounds of zinc. 1,751,778; Mar. 25.
- Von Gribojedoff, Nicolai, Dusseldorf, Germany. Internal-combustion engine. 1,745,821; Feb. 4.
- Von Grimmenstein, Henry E., Indianapolis, Ind. Storage battery. 1,778,613; Oct. 14.
- Vongunten, Alfred E., Hamilton, Ontario, Canada, assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Artificial tooth. 1,781,908; Nov. 18.
- Von Halban, Hans, and O. Schober, assignors to Metallgesellschaft Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Active carbon product and preparing same. 1,774,341; Aug. 26.
- Von Halle, Millard, Palisades Park, N. J., assignor to The Standard Corset Company, New York, N. Y. Body support and producing same. 1,768,223; June 24.
- Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Apparatus for welding with high-frequency currents. 1,761,420; June 3.
- Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Electrical welding apparatus. 1,761,421; June 3.
- Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Apparatus for electric welding. 1,761,458; June 3.
- Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Portable welding machine. 1,779,365; Oct. 21.
- Von Hofe, Christian, Berlin-Zehlendorf, assignor to the firm Optische Anstalt C. P. Goerz Aktiengesellschaft, Berlin, Germany. Ocular. 1,759,529; May 20.
- Von Hofe, Christian, Vienna, Austria, assignor to the Czechoslovak Company: C. P. Goerz, Optische Anstalt Aktiengesellschaft, Akciova Spolecnost K. P. Goerz, Opticky Ustav, Bratislava, Czechoslovakia. Focus water level. 1,760,727; May 27.
- Von Hofe, Christian, Vienna, Austria, assignor to C. P. Goerz optische Anstalt Aktiengesellschaft, Akciova Spolecnost K. P. Goerz Opticky Ustav, Bratislava, Czechoslovakia. Sound - direction - determining apparatus. 1,762,102; June 3.
- Von Hofe, Christian, K. Petschenig, and J. Schier, Vienna, Austria, assignors to the Czechoslovak firm C. P. Goerz Optische Anstalt Aktiengesellschaft, Akciova, Spolecnost K. P. Goerz Opticky Ustav, Bratislava, Czechoslovakia. Sighting telescope for ordnance, machine guns, and the like. 1,744,994; Jan. 28.
- Von Hoorn, Fred G., Bridgeport, Conn., assignor to Westinghouse Electric & Manufacturing Company. Electric switch. Re17,736; July 15.
- Von Hoorn, Fred G., Bridgeport, Conn., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,786,796; Dec. 30.
- Von Hoorn, Fred G., Bridgeport, Conn., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,786,797; Dec. 30.
- Von Hoorn, Fred G., Bridgeport, Conn., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,786,798; Dec. 30.
- Von Kando, Kalman, Budapest, Hungary, assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,786,799; Dec. 30.
- Von Kauffman, Axel M. A. (See Iversen, Poul A. S., assignor.)
- Von Kert Hott, Ion. (See Hott, Ion V. K.)
- Von Kert Hott, Ion, assignor to The Joyce-Fridland Company, Dayton, Ohio. Multiple-lift screw jack. 1,751,738; Mar. 25.
- Von Korries, Otto, Holtville, Calif. Aeroplane. 1,755,828; Apr. 22.
- Von Korshenewsky, Nicolai, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Alternating-current system. 1,751,961; Mar. 25.
- Von Kryha, Alexander, Berlin, Germany. Coding machine. 1,744,347; Jan. 21.
- Von Lackum, Herman J., administrator. (See von Lackum, Herman L.)
- Von Lackum, Herman L., deceased, New York, N. Y., by H. J. Von Lackum, administrator, Dysart, Iowa. Surgical saw. 1,763,730; June 17.
- Von Leesen, Emil, Berlin-Treptow, Germany. Pendulum hardness tester. 1,781,615; Nov. 11.
- Von Lepel, Egbert, New York, N. Y. Chain converter. 1,775,007; Sept. 2.
- Von Lepel, Egbert, New York, N. Y. Electric single-stroke relay especially for ignition circuits. 1,776,172; Sept. 16.
- Von Loeben, Rudolf C. (See Emmrich, Paul, assignor.)
- Von Madaler, Ferdinand, Hampton Bays, assignor, by mesne assignments, to National Vision-Tone Corporation, New York, N. Y. Synchronous motion picture and sound reproduction. 1,786,274; Dec. 23.
- Von Maltitz, Edmund, Gary, Ind., assignor to H. A. Brasert & Company, Chicago, Ill. Gas-washing apparatus. 1,767,628; June 24.
- Von Maltitz, Edmund, Gary, Ind., and F. Wille, Wilmette, Ill., assignors to H. A. Brasert & Company, Chicago, Ill. Apparatus for annealing rolled metal products. 1,765,955; June 24.
- Von Nessen, Walter, New York, N. Y., assignor to Efcollite Corporation, Trenton, N. J. Lighting-fixture bracket or article of similar nature. Des. 82,712; Dec. 2.
- Von Nessen, Walter, New York, N. Y., assignor to Efcollite Corporation, Trenton, N. J. Lighting fixture or article of similar nature. Des. 82,861; Dec. 16.
- Von Nessen, Walter, New York, N. Y., assignor to Efcollite Corporation, Trenton, N. J. Lighting fixture or article of similar nature. Des. 82,862; Dec. 16.
- Von Nessen, Walter, New York, N. Y., assignor to Efcollite Corporation, Trenton, N. J. Lighting fixture or article of similar nature. Des. 82,921; Dec. 23.
- Von Nessen, Walter, New York, N. Y., assignor to Efcollite Corporation, Trenton, N. J. Lighting-fixture shade or article of similar nature. Des. 82,922; Dec. 23.

- Von Nostitz, Erich. (See Nicoll, R. I. D., Davis, and von Nostitz.)
- Von Ohlsen, Louis, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Electrical system of distribution. 1,745,519; Feb. 4.
- Von Palmenberg, Raymond T., New York, N. Y. Clip. 1,760,456; May 27.
- Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,744,183; Jan. 21.
- Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,745,283; Jan. 28.
- Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,548; June 3.
- Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,761,549; June 3.
- Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,763,915; June 17.
- Von Platen, Baltzar C., and C. G. Munters, Stockholm, Sweden, assignors to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,748,155; Feb. 25.
- Von Radolin, Peter Graf, Rawicz, Poland, assignor to Firma G. Sauerbrey Maschinenfabrik Aktiengesellschaft, Stassfurt, Germany. Apparatus for the destructive distillation of cereal husks and other vegetable waste. 1,770,636; July 15.
- Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments, to The American Bicherox Company. Device for cutting sheet glass. 1,747,270; Feb. 18.
- Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments to The American Bicherox Company. Cutting sheet glass. 1,765,552; June 24.
- Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments, to The American Bicherox Company. Method and machine for rolling plate glass. 1,770,443; July 15.
- Von Reppert, Richard, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. 1,755,197; Apr. 22.
- Von Reppert, Richard, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. 1,755,281; Apr. 22.
- Von Rosenstiel, Klaus, Stettin, Germany. School form. 1,772,234; Aug. 5.
- Vons, John, Cleveland, Ohio. Signal-light reflector and mounting therefor. 1,750,947; Mar. 18.
- Von Senden, Boyd V., San Francisco, Calif., assignor of one-third to T. Hardee and one-third to G. N. Bjorge. Wheel-rim lock. 1,751,779; Mar. 25.
- Von Soden-Fraunhofen, Alfred G., Friedrichshafen, assignor to Zahnradfabrik Aktiengesellschaft, Friedrichshafen, Bodensee, Germany. Gear. 1,770,132; July 8.
- Von Staden, Hans A., and A. Berenbruch, Neurossen, and A. Höhn, Leuna-Ockendorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Apparatus for continuous distillation of difficultly-distillable liquids. 1,766,699; June 24.
- Von Staden, Hans A., and A. Höhn, Neurossen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Dehydration of moist fuels. 1,783,757; Dec. 2.
- Von Steen, John H., Company, The. (See Ruth, Samuel D., assignor.)
- Von Tell, Edward E., Gottenborg, Sweden. Clamping means. 1,782,979; Nov. 25.
- Von Triimbach, Johannes, Dusseldorf-Oberkassel, Germany. Drawing frame with passages for use on spinning machines. 1,786,180; Dec. 23.
- Von Triimbach, Johannes, Dusseldorf-Oberkassel, Germany. Device for stopping delivery in spinning and twisting machines on the breaking of the thread. 1,786,275; Dec. 23.
- Von Wilmowsky, Felix F., New York, N. Y. Footwear. 1,784,035; Dec. 9.
- Von Winkler Chemical Co., et al. (See Von Winkler, Walter T., assignor.)
- Von Winkler Chemical Co., The. (See Winkler, Walter T., assignor.)
- Von Winkler Laboratories, Incorporated. (See Winkler, Walter T., assignor.)
- Von Winkler, Walter T., assignor of ten one-hundredths to Von Winkler Chemical Co., forty-five one-hundredths to S. W. Weis, and forty-five one-hundredths to M. Gentile, Chicago, Ill. Window envelope. 1,766,416; June 24.
- Voorhees, Daniel W., Jr., Peru, Ill. Axle assembly. 1,760,613; May 27.
- Voorhees, Daniel W., Jr., Peru, Ill. Wagon box and producing same. 1,770,223; July 8.
- Voorhees, Gardner T., Boston, Mass. Container. 1,759,176; May 20.
- Voorhees, Gardner T., Boston, Mass. Refrigerating process and apparatus. 1,762,369; June 10.
- Voorhees, Guy A., Indianapolis, Ind. Hot-air-furnace heat-control system. 1,768,871; July 1.
- Voorhees, Lee G., Long Island City, N. Y., assignor to National Carbon Company, Inc. Focusing flash light. 1,751,432; Mar. 18.
- Voorhees, Vanderveer, assignor to Standard Oil Company, Whiting, Ind. Decolorizing and color-stabilizing hydrocarbon oil. 1,747,806; Feb. 18.
- Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Filter aid. 1,770,052; July 8.
- Voorhoeve, Nicolaas A. J., Eindhoven, Netherlands, assignor to General Electric Company. Incandescent electric lamp. 1,749,520; Mar. 4.
- Voorhoeve, Nicolaas A. J., and J. C. de Haas, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for regulating the terminal voltage of generators. 1,778,614; Oct. 14.
- Vooth, Harry C., East Haven, assignor to The Rattan Mfg. Co., New Haven, Conn. Portable garage light. 1,750,870; Mar. 18.
- Vorbau, Robert, Oranienburg, near Berlin, assignor to Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Uniting laminated materials. 1,774,858; Sept. 2.
- Vorclone Company. (See Bruckmann, Peter C., assignor.)
- Vorclone Corporation. (See Bruckmann, P. C., and Hager, assignors.)
- Vorclone Corporation. (See Partlow, Alfred, assignor.)
- Vorclone Company. (See Prothers, Harold, assignor.)
- Vorel, Frank, Cleveland, Ohio. Steam engine. 1,744,288; Jan. 21.
- Vorel, Frank assignor of one-half to J. E. Moravec, Cleveland, Ohio. Internal-combustion engine. 1,764,480; June 17.
- Vorndieck, Anthony A., Cincinnati, Ohio. Wringer. 1,774,774; Sept. 2.
- Vortex Cup Company. (See Barbieri, Cesare, assignor.)
- Vortex Cup Company. (See Carle, Harold, assignor.)
- Vortex Cup Company. (See Getz, Frank J., assignor.)
- Vortex Cup Company. (See Green, William A., assignor.)
- Vortex Cup Company. (See Mangold, William B., assignor.)
- Vortex Cup Company. (See Wood, Andrew C., assignor.)
- Vortex Cup Company. (See Wood, A. C., and Bares, assignors.)
- Vortex Manufacturing Co., The. (See Barbieri, Cesare, assignor.)
- Vortex Mfg. Co., The. (See Carle, Harold, assignor.)
- Vorwerk, Edgar. (See Müller, Franz E., assignor.)
- Vorwerk, Wilhelm, Barmen, Germany. Hose or stocking supporter. 1,778,285; Oct. 14.
- Vos, Mauritz, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Electron-tube relay. 1,771,021; July 22.
- Vos, Mauritz, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. High-frequency differential transformer. 1,781,308; Nov. 11.
- Voshardt, Herman F., assignor to Friedley-Voshardt Co., Chicago, Ill. Nozzle for dishwashers. 1,752,316; Apr. 1.
- Voshardt, Herman F., assignor to Friedley-Voshardt Co., Chicago, Ill. Day and night sign. 1,778,778; Oct. 21.
- Vosika, Ludvik. (See Vosika, Robert and L.)
- Vosika, Robert and L., Wilber, Nebr. Bottle-cleaning apparatus. 1,780,451; Nov. 4.
- Vosper, William W., assignor to The Toledo Pipe Threading Machine Co., Toledo, Ohio. Pipe cutter. 1,749,861; Mar. 11.
- Vosper, William W., assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio. Vise-mounting structure. 1,770,499; July 15.
- Vosper, William W., assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio. Pipe vise. 1,785,884; Dec. 23.
- Voss, Arthur. (See Kränzlein, G., and Voss.)
- Voss, George. (See Stewart, James S., assignor.)
- Voss, Hugo H., Chicago, Ill., assignor to Mayer's Movable Merchandiser. Movable sign. 1,755,753; Apr. 22.
- Voss, James D., Oakleigh, near Melbourne, Victoria, Australia. Breathing apparatus. 1,763,492; June 10.
- Voss, James D., Oakleigh, near Melbourne, Australia. Vulcanizing appliance. 1,783,894; Dec. 2.
- Voss, Julius, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Bleibach, Germany. Process and device for drying tubular bodies. 1,759,495; May 20.
- Voss, Julius, and O. Schnecko, assignors to Kalle & Co. Aktiengesellschaft, Bleibach-on-Rhine, Germany. Non-transparent and glossy capsule of regenerated cellulose and preparing same. 1,778,096; Oct. 14.
- Voss, William H., Davenport, Iowa. Washing machine with multiple liquid impelling device. 1,756,318; Apr. 29.
- Vossen, Bartholomäus. (See Henle, F., and Vossen.)
- Votaw, Charles L., and C. A. Andrews, Bakersfield, Calif. Treating refractory auriferous ores. 1,766,767; June 24.
- Voth, Walter P., assignor to The Akron Standard Mold Company, Akron, Ohio. Mold. 1,756,265; Apr. 29.
- Voth, Walter P., assignor to The Akron Standard Mold Company, Akron, Ohio. Mold. 1,756,266; Apr. 29.
- Votypka, John. (See Roberts, R. S., and Votypka.)
- Vought, Chance M. (See Herbig, Elwood H., assignor.)
- Vought, Chance M., Greenwolde, Great Neck, N. Y. Aircraft. 1,774,342; Aug. 26.
- Vought, Chance M., Greenwolde, Great Neck, N. Y. Power plant for aircraft and control thereof. 1,774,738; Sept. 2.
- Vought, Glen, Unadilla, N. Y. Plant support. 1,754,534; Apr. 15.
- Voyne, Mechial, San Francisco, Calif., assignor to A. G. Spaulding & Bros., New York, N. Y. Body protector. 1,774,739; Sept. 2.
- Vrabel, Michael A. (See Patten, R. W., Vrabel, Gombar, and Bell.)

- Vrbanc, John, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,762,850; June 10.
- Vredenburg, William D. (See Brown, J., and Vredenburg.)
- Vreeland, Elmer L. (See Worley, J., jr., and Vreeland.)
- Vreeland, Frederick K., Montclair, N. J. Variable-circuit elements for radio receiving sets. 1,749,930; Mar. 11.
- Vreeland, George W., Steubenville, Ohio. Gas washer. 1,776,644; Sept. 23.
- Vroom, Guysbert B., Washington, D. C., assignor to Vroom Rotary Packing Corporation. Stuffing-box assembly. 1,758,725; May 13.
- Vroom, Robert D. W., Wallingford, Conn., assignor to H. L. Judd Co., Inc., New York, N. Y. Suspension bracket. Des. 81,168; May 13.
- Vroom Rotary Packing Corporation. (See Vroom, Guysbert B., assignor.)
- Vrooman, Rodney C., Chicago, Ill. Paintbrush holder. 1,772,504; Aug. 12.
- Vryn, Victor, Jersey City, N. J., assignor to H. Goodman & Sons, Inc., New York, N. Y. Hair-waving device. 1,777,707; Oct. 7.
- Vucassovich, Michel P., Magnolia, Mass. Freezing apparatus. 1,769,087; July 1.
- Vucassovich, Michel P., Gloucester, Mass. Freezing apparatus. 1,769,088; July 1.
- Vuillaume, Cyprien, Lyon, France. Blowpipe. 1,759,769; May 20.
- Vuilleminot, Frédéric A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer-bottle stem. Des. 80,427; Jan. 28.
- Vuilleminot, Frédéric A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer-bottle stem. Des. 80,428; Jan. 28.
- Vuilleminot, Frédéric A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer-bottle stem. Des. 80,429; Jan. 28.
- Vuilleminot, Frédéric A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer-bottle stem. Des. 80,430; Jan. 28.
- Vuilleumier, Albert, assignor to The New Departure Manufacturing Company, Bristol, Conn. Grinding machine and interchanger therefor. 1,767,416; June 24.
- Vukosav, Mike P., San Francisco, Calif. Auxiliary drive for electric trucks. 1,766,163; June 24.
- Vukovich, Michael. (See Berry, W. E., and Vukovich.)
- Vulcan Proofing Company. (See De Vries, Fenno E., assignor.)
- Vulcan Rail and Construction Company. (See Shanks, W., and Cater, assignors.)
- Vydra, Robert, Nuremberg, Germany. Artificial tree. 1,764,540; June 17.
- W. S. Embroidery Works, Incorporated. (See Hirth, Alexander N., assignor.)
- W. S. T. Sani-Products Corp. (See Walker, J. T., and Weitlich, assignors.)
- W. S. T. Sani-Products Corp. (See Weitlich, H. O., and Walker, assignors.)
- Waag, Herman, Berlin, Germany. Art and machine for cutting patterns into fur skins. 1,747,406; Feb. 18.
- Wach, Hans, Wesermünde-Lehe, Germany. Reciprocating steam engine. 1,758,267; May 13.
- Wach, Hans, Wesermünde-Lehe, Germany. Combined reciprocating engine and turbine. 1,764,061; June 17.
- Wach, Hans, Wesermünde-Lehe, Germany. Reciprocating engine and turbine. 1,774,116; Aug. 26.
- Wacho Manufacturing Company, The. (See Wachowitz, Walter J., assignor.)
- Wachowitz, Walter J., assignor to The Wacho Manufacturing Company, Milwaukee, Wis. Forming tanks. 1,755,416; Apr. 22.
- Wachs, Frank C., Milwaukee, and A. E. Buerosse, Wauwatosa, Wis. Vehicle-parking device. 1,771,022; July 22.
- Wachs, Murray A., Brooklyn, N. Y. Mounting anchor. 1,760,728; May 27.
- Wachsman, Jacob, Brooklyn, N. Y. Electrical stop mechanism and contact ring for circular-knitting machines. 1,775,298; Sept. 9.
- Wachsman, Jacob, Brooklyn, N. Y. Circuit closer for stop mechanism of knitting machines and the like. 1,778,097; Oct. 14.
- Wachsman, Jacob, Brooklyn, N. Y. Electric stop mechanism for knitting machines and the like. 1,784,560; Dec. 9.
- Wachsmann, Paul, Berlin-Halensee, Germany, assignor to General Electric Company. Dynamo-electric machine. 1,783,064; Nov. 25.
- Wachtel, Morris, et al. (See Levine, Morris, assignor.)
- Wachter, Henry F. A., Peru, Ill. Pivoted window. 1,750,914; Mar. 18.
- Wackenreuter, Andreas G., Chicago, Ill. Treating tanning solutions. 1,786,880; Dec. 30.
- Wacker, Dr. Alexander, Gesellschaft Für Elektrochemische Industrie. (See Wolff, Georg, assignor.)
- Wacker, Frederick G., and H. W. Zimmerman, assignors to Automotive Maintenance Machinery Co., Chicago, Ill. Cylinder-grinding tool. 1,775,230; Sept. 9.
- Wacker, Henry. (See Grüttler, Friedrich, assignor.)
- Wacker, William E., Maplewood, N. J., assignor to August Goertz & Co., Inc. Cosmetic box. 1,748,964; Mar. 4.
- Wacker, William E., Maplewood, N. J., assignor to August Goertz & Co., Inc. Fastener catch for containers. 1,762,600; June 10.
- Wacker, William E., Newark, N. J., assignor to August Goertz & Co., Inc. Cosmetic receptacle. 1,756,042; Apr. 29.
- Wacker, William E., Newark, N. J., assignor to August Goertz & Co., Inc. Vanity case. 1,778,575; Oct. 14.
- Wackerly, Harry A., assignor to The Morgan Engineering Company, Alliance, Ohio. Limit-switch device. 1,756,714; Apr. 29.
- Waddell, Clarence W., Dallas, Tex. Device for handling building materials. 1,755,463; Apr. 22.
- Waddingham, Stanley H., Seattle, Wash. Automobile radiator-cap ornament. Des. 81,080; Apr. 29.
- Wade, Harold. (See Dufay, Louis, assignor.)
- Wade, Harold R., and L. M. Harley, assignors to Jas. H. Matthews & Company, Pittsburgh, Pa. Formation of rubber printing dies or blocks. 1,742,885; Jan. 7.
- Wade, Henry C., Los Angeles, Calif., assignor to Hydrogenating Process Corporation. Apparatus for heat-treating hydrocarbon oils. 1,777,708; Oct. 7.
- Wade, Percy, assignor to The Weldit Company, Washington, D. C. Strain-applying device for metallic material. 1,785,923; Dec. 23.
- Wade, Raymond S. (See Davidson, J. H., and Wade.)
- Wade, William A., Columbus, Ohio. Multiple-exposure device for cameras. 1,748,687; Feb. 25.
- Wadell, Albert H., Newark, N. J. Clamp for seating brake linings. 1,781,355; Nov. 11.
- Wadell, Albert H., Newark, N. J. Gauge for adjusting brake linings. 1,786,638; Dec. 30.
- Wadsten, Sten, Bloomfield, N. J., assignor to Westinghouse Lamp Company. Forming dies. 1,760,675; May 27.
- Wadsten, Sten, Bloomfield, N. J., assignor to Westinghouse Lamp Company. Machine for making spaced coiled filaments. 1,780,609; Nov. 4.
- Wadsworth, David T., Cold Springs, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Safety switch box. 1,760,571; May 27.
- Wadsworth, David T., Cold Springs, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Universal end wall for switch boxes and the like. 1,771,005; July 22.
- Wadsworth, Dwight W., Fennville, Mich. Fruit and vegetable packing machine. 1,768,276; June 24.
- Wadsworth Electric Manufacturing Company, The. (See Wadsworth, David T., assignor.)
- Wadsworth, Frank L. O., Pittsburgh, Pa. Nonglare front-view mirror. 1,751,567; Mar. 25.
- Wadsworth, George B., Company, The. (See Wadsworth, George E., assignor.)
- Wadsworth, George E., Erlanger, Ky., assignor, by mesne assignments, to The George B. Wadsworth Company, Cincinnati, Ohio. Safety electrical device. 1,785,290; Dec. 16.
- Wadsworth, George H. (See Welton, P. E., and Wadsworth.)
- Wadsworth, Henry L. (See Scott, Warren F., assignor.)
- Wadsworth, James M., Tulsa, Okla., assignor to Universal Oil Products Company, Chicago, Ill. Method and apparatus for cracking and rectifying petroleum oils and the like. Re17,831; Oct. 14.
- Wadsworth, Leslie H. (See Wurzbach, H. E., and Wadsworth.)
- Wadsworth, Leslie H. (See Wurzbach, H. E., Wadsworth, and Nutt.)
- Wadsworth Watch Case Company. (See Conant, Arthur P., assignor.)
- Wadsworth Watch Case Company, The. (See Kuehne, Joseph N., assignor.)
- Wadsworth Watch Case Co., The. (See McFarland, James C., assignor.)
- Wadsworth Watch Case Company, The. (See Otten, Lawrence F., assignor.)
- Wadsworth Watch Case Company, The. (See Stegeman, Albert V., jr., assignor.)
- Wadsworth Watch Case Company, The. (See Stegeman, Harry M., assignor.)
- Wagel, Srinivas R., assignor of seventy-five per cent to The Winchester American Corporation, New York, N. Y. Washing device. 1,784,401; Dec. 9.
- Wagener, Fredrick G., Chicago, Ill. Clamping pin. 1,755,718; Apr. 22.
- Wagenhorst, James H., Jackson, Mich. Vehicle wheel. 1,745,919; Feb. 4.
- Wagenhorst, James H., Jackson, Mich. Automobile rim with detachable side ring. 1,770,720; July 15.
- Wagenhorst, James H., Jackson, Mich. Drop-base rim with fillers. 1,771,363; July 22.
- Wager, Robert H., Jersey City, N. J. Air register. 1,758,339; May 13.
- Wager, Robert H., Jersey City, N. J. Lather-forming device. 1,759,248; May 20.
- Wager, Robert H., Jersey City, N. J. Combustion baffle. 1,774,859; Sept. 2.
- Wager, Robert H., Jersey City, N. J. Lather-forming device. 1,780,573; Nov. 4.
- Waggner, Paul N., Memphis, Tenn. Finger-printing device. 1,743,641; Jan. 14.
- Waggoner, Carl H. (See Waggoner, Harry, and C. H.)
- Waggoner, Harry and C. H., Indianapolis, Ind. Window wiper. 1,775,231; Sept. 9.
- Waggoner, Jesse E., Hickory, N. C. Step plate for the running boards of vehicles. 1,765,891; June 24.
- Waggonfabrik Akt.-Ges. (See Kijlstra, Egbert B., assignor.)

- Wagner, Albert G., Norwood, assignor to The Wemb Company, Cincinnati, Ohio. Gear substitute. 1,743,943; Jan. 14.
- Wagner, Albert L., Akron, Ohio. Match. 1,777,631; Oct. 7.
- Wagner, Alfred. (See Klingner, Hermann R., assignor.)
- Wagner, Allen P., Jonestown, Pa. Table. 1,780,254; Nov. 4.
- Wagner, Carl, administrator. (See Elsner, Hermann.)
- Wagner, Carl J., Cleveland, Ohio. Television sending and receiving apparatus. 1,765,292; June 17.
- Wagner, Cary R. (See Weaver, J. B., Stahl, and Wagner.)
- Wagner, Cary R., Chicago, Ill., assignor to Gyro Process Company, Detroit, Mich. Vapor phase method of oil conversion. 1,749,521; Mar. 4.
- Wagner, Charles L. (See Wagner, Henry H. and C. L.)
- Wagner, Charles L., Boonton, N. J., assignor to C. L. W. Patents Corporation. Apparatus for the recovery of chemicals and heat from waste liquors. 1,771,829; July 29.
- Wagner, Clinton D., Cedar Rapids, Iowa. Wrench. 1,753,224; Apr. 8.
- Wagner, Edgar T., et al. (See Hamilton, Erwin H., assignor.)
- Wagner, Edwin R., St. Louis, Mo. Brush. 1,758,632; May 13.
- Wagner Electric Corporation. (See Baker, Paul W., assignor.)
- Wagner Electric Corporation. (See Dick, Burns, assignor.)
- Wagner Electric Corporation. (See Dick, B., and Brunner, assignors.)
- Wagner Electric Corporation. (See Weichsel, Hans, assignor.)
- Wagner Electric Corporation. (See Wulfert, Otto, assignor.)
- Wagner, Emanuel, Tokod, Hungary. Device for transforming a rotary motion into a reciprocating motion. 1,779,923; Oct. 28.
- Wagner, Emanuel E., Lamar, Mo. Projecting machine. 1,776,207; Sept. 16.
- Wagner, Ernest E., Minneapolis, Minn., assignor, by mesne assignments, to The Rotawasher Corporation, Cleveland, Ohio. Nozzle. 1,761,422; June 3.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Centrifugal dust arrester. 1,743,171; Jan. 14.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas washer. 1,752,045; Mar. 25.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Liquid and gas contact apparatus. 1,771,364; July 22.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Handling sealing liquid for gas holders. 1,771,515; July 29.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Liquid and gas contact apparatus. 1,780,255; Nov. 4.
- Wagner, Frederick H., assignor to The Bartlett Hayward Co., Baltimore, Md. Gas holder. 1,781,256; Nov. 11.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Deemulsifier. 1,781,257; Nov. 11.
- Wagner, Frederick H., assignor to The Bartlett Hayward Co., Baltimore, Md. Gas holder. 1,782,861; Nov. 25.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Liquid and gas contact apparatus. 1,782,862; Nov. 25.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas holder. 1,782,949; Nov. 25.
- Wagner, George A. (See Wagner, Harold H., assignor.)
- Wagner, George E. (See Clutter, B. C., and Wagner.)
- Wagner, George E., Akron, Ohio, assignor, by mesne assignments, to Clutter-Wagner, Inc. Back-filling attachment for excavators. 1,765,892; June 24.
- Wagner, George E., Akron, Ohio, and L. P. Clutter, Deer Lick, Pa., assignors, by mesne assignments, to Clutter-Wagner, Inc. Power-operated trip for excavator scoops. 1,765,893; June 24.
- Wagner, Gerhard, F. Funke, and R. Heymanns, Dusseldorf-Oberkassel, Germany. Adjustable tightening device for doors and the like. 1,751,373; Mar. 18.
- Wagner, Harold H., assignor of one-half to G. A. Wagner, Wausau, Wis. Piston. 1,773,829; Aug. 26.
- Wagner, Heinrich, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparing hair to be worked into felt. 1,778,473; Oct. 14.
- Wagner, Henry, Chicago, Ill. Sewer check. 1,770,637; July 15.
- Wagner, Henry F. (See McCarthy, Francis J., assignor.)
- Wagner, Henry H. and C. L., assignors of one-third to J. L. Neal, Pickering, Mo. Chain-applying device. 1,757,851; May 6.
- Wagner, Hermann, Bad-Soden-on-the-Taunus, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and making same. 1,749,681; Mar. 4.
- Wagner, Hermann, Bad-Soden-on-the-Taunus, R. Brune, Hochst-on-the-Main, M. Hessenland, Königsberg, E. Hoffa, F. Müller, and H. Heyna, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff. 1,762,040; June 3.
- Wagner, Hermann, Soden-on-the-Taunus, H. Eichwede and E. Fischer, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and preparing them. 1,758,383; May 13.
- Wagner, Hermann, Bad Soden-on-the-Taunus, and E. Hoffa, E. Runne, E. Thoma, and H. Heyna, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuff. 1,754,070; Apr. 8.
- Wagner, Hermann, Soden-on-the-Taunus, A. Kuchenbecker and R. Huss, Frankfurt-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and material dyed therewith. 1,758,340; May 13.
- Wagner, Hermann, Bad-Soden-on-the-Taunus, O. Sohst, deceased, A. Sohst, administratrix, and J. Rachor, Frankfurt-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 1,765,640; June 24.
- Wagner, Iv, Louisiana, Mo. Coupling. 1,776,208; Sept. 16.
- Wagner, James, Peninsula, Ohio. Artificial-limb joint. 1,755,852; Apr. 22.
- Wagner, Joshua. (See Schroeder, L. H., and Wagner.)
- Wagner, Karl, Reutlingen, Germany. Saw. 1,755,717; Apr. 22.
- Wagner, Karl E. (See Wood, J. C., Hagener, and Wagner.)
- Wagner, Karl F., Feuerbach, near Stuttgart, Germany, assignor to Elektronmetall G. m. b. H., Cannstatt-Stuttgart, Germany. Pressure die-casting appliance. 1,782,248; Nov. 18.
- Wagner, Ludwig W., San Antonio, Tex., assignor to A. B. Dick Company, Chicago, Ill. Duplicating apparatus. 1,775,979; Sept. 16.
- Wagner Manufacturing Company. (See Lang, Philip, assignor.)
- Wagner, Myron E., Tulsa, Okla. Oil and gas separator. 1,780,101; Oct. 28.
- Wagner, Ralph W., assignor, by mesne assignments, to Automatic Electric Company, Chicago, Ill. Measuring and sorting device. 1,758,268; May 13.
- Wagner, Reinhold R., Berlin-Charlottenburg, Germany. Gas holder. 1,774,955; Sept. 2.
- Wagner, Stefan. (See Koehl, J. W., Palkowski, and Wagner.)
- Wagner, Stefan, Los Angeles, Calif. Boring machines. Re17,822; Oct. 7.
- Wagner, Theodor C., Chemnitz, Germany. Electric stop motion for looms. 1,770,562; July 15.
- Wagner, Theodore B., Brooklyn, N. Y. Monosaccharide material. 1,784,402; Dec. 9.
- Wagner, Thomas S. S., Gardena, assignor of thirty-three and one-third per cent to F. Wirtz, Los Angeles, and thirty-three and one-third per cent to J. I. Johansen, Huntington Park, Calif. Machine for displaying advertising. 1,747,746; Feb. 18.
- Wagner, William, et al. (See Drahonovsky, John B., assignor.)
- Wagner, William. (See Veit, Anton L., assignor.)
- Wahl, Carl C., Glasgow, Mo. Tooth-cleaning device. 1,759,075; May 20.
- Wahl Clipper Corporation. (See Wahl, Leo J., assignor.)
- Wahl Company, The. (See Back, Robert, assignor.)
- Wahl Company, The. (See Hansen, Julius F., assignor.)
- Wahl Company, The. (See Mungen, D. D., and Back, assignors.)
- Wahl Company, The. (See Wahl, John C., assignor.)
- Wahl, Hans, and A. Fischer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Generating power in internal-combustion engines. 1,781,485; Nov. 11.
- Wahl, John C., assignor to The Wahl Company, Chicago, Ill. Fountain pen and assembling same. 1,779,836; Oct. 28.
- Wahl, John C., Chicago, Ill., assignor, by mesne assignments, to Pen Desk Set Company. Desk stand and holder for fountain pens. 1,782,108; Nov. 18.
- Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Blade attachment for clippers. 1,761,550; June 3.
- Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Clipper-blade construction. 1,774,046; Aug. 26.
- Wahl, Ottmar, Leverkusen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs derived from indoline bases and preparing same. 1,755,678; Apr. 22.
- Wahlberg, Nils A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Mfg. Co. Transmission-line device. 1,750,249; Mar. 11.
- Wahlberg, Nils A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Strain clamp. 1,764,372; June 17.
- Wahlberg, Nils A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Conductor clamp. 1,764,429; June 17.
- Wahlberg, Nils A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission-line device. 1,786,801; Dec. 30.
- Wahlberg, Nils A., Derry, Pa., assignor to Westinghouse Electric & Manufacturing Company. Conductor clamp. 1,764,916; June 17.
- Wahlberg, Nils E., assignor to Nash Motors Company, Kenosha, Wis. Brake equalizer. 1,743,642; Jan. 14.
- Wahlberg, Nils E., assignor to The Nash Motors Company, Kenosha, Wis. Motor-cooling system. 1,744,184; Jan. 21.
- Wahlert, Henry A., assignor to The American Brake Company, St. Louis, Mo. Brake cylinder. 1,782,589; Nov. 25.

- Waid, Charles L., Palmer, Mass. Hook. 1,754,071; Apr. 8.
- Waidelich, John F., jr., Jackson, Mich. Toe plate. 1,760,676; May 27.
- Waigand, Charles F., assignor of one-half to F. E. Waigand. Chicago, Ill. Vaporizing apparatus or appliance. 1,754,971; Apr. 15.
- Waigand, Frances E. (See Waigand, Charles F., assignor.)
- Wailes Dove-Hermiston Corporation. (See Cook, H. M., and Rogers, assignors.)
- Wain, Walter, Fulton, N. Y. Cocoa-cooling apparatus. 1,765,037; June 17.
- Wainwright, Carlyle H. (See Bentley, P. A., Manger, and Wainwright.)
- Wainwright, Charles, Erie, Pa. Heat exchanger. 1,743,989; Jan. 14.
- Wainwright, Herbert, assignor to National Seal Company Inc., Brooklyn, N. Y. Closure. 1,761,603; June 3.
- Wainwright, Lawrence. (See Hight, W. R., and Wainwright.)
- Waisner, Horace L., assignor, by mesne assignments, to Mechanics Universal Joint Company, Rockford, Ill. Heat-treating furnace. 1,782,451; Nov. 25.
- Wait, Justin F., New York, N. Y., assignor to National Aniline & Chemical Co., Inc. Process and apparatus for heating. 1,744,598; Jan. 21.
- Wait, Justin F., New York, N. Y., assignor to National Aniline & Chemical Co., Inc. Carrying out chemical reactions under pressure. 1,746,687; Feb. 11.
- Wait, Justin F., New York, N. Y., assignor to National Aniline & Chemical Co., Inc. Dehydrating materials. 1,749,455; Mar. 4.
- Wait, Justin F., New York, N. Y., assignor to Sun Oil Company, Philadelphia, Pa. Heating process. 1,760,095; May 27.
- Wait, Justin F., New York, N. Y., assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for transferring heat. 1,765,038; June 17.
- Wait, Justin F., New York, N. Y., assignor to National Aniline & Chemical Co., Inc. Producing nonturbulent circulation of liquids. 1,765,386; June 24.
- Wait, Justin F., New York, N. Y., assignor to National Aniline & Chemical Co., Inc. Producing indigo by arylglycine fusion. 1,786,800; Dec. 30.
- Waite Carpet Company. (See Clements, Albert F., assignor.)
- Waite Carpet Company. (See Waite, Philip C., assignor.)
- Waite, Charles C. (See Macdonald, A. S., Waite, and Huggins.)
- Waite, Donald B., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,743,411; Jan. 14.
- Waite, Donald B., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,743,412; Jan. 14.
- Waite, Edwin E., Framingham, assignor to Multibestos Company, Walpole, Mass. Making friction facings. 1,754,343; Apr. 15.
- Waite, Frank H., and G. W. Davey, Long Island City, N. Y. Air-cooled furnace block. 1,744,185; Jan. 21.
- Waite, Frank H., and G. W. Davey, Long Island City, N. Y. Furnace construction. 1,753,842; Apr. 8.
- Waite, George, assignor to Irving Airchute Company, Inc., Buffalo, N. Y. Parachute rip cord. 1,758,871; May 13.
- Waite, Harry C., deceased, R. A. Dunann, administrator, Oakland, Calif. Carburetor. 1,773,290; Aug. 19.
- Waite, Harry C., deceased, Evanston, Ill., assignor of one-sixth to J. P. Arthur, one-sixth to R. A. Dunann, Oakland, one-sixth to C. F. Arthur, Los Angeles, Calif., one-tenth to G. I. Haight, Chicago, Ill., and M. Jacobson, Waukesha, Wis., and one-tenth to E. Welk, Oakland, Calif.; R. A. Dunann, administrator. Carburetor. 1,754,972; Apr. 15.
- Waite, Harry C., deceased, Evanston, Ill., assignor of one-sixth to J. P. Arthur, Oakland, Calif., one-sixth to C. F. Arthur, Los Angeles, Calif., and one-sixth to R. A. Dunann, Oakland, Calif., one-tenth to G. I. Haight, Chicago, Ill., and M. Jacobson, Waukesha, Wis., and one-tenth to E. Wells, Oakland, Calif., R. A. Dunann, administrator. Carburetor. 1,773,289; Aug. 19.
- Waite, Lorenzo E., assignor to Erie Malleable Iron Company, Erie, Pa. Wheel. 1,760,329; May 27.
- Waite, Lorenzo E., assignor to Erie Malleable Iron Company, Erie, Pa. Wheel. 1,774,117; Aug. 26.
- Waite, Lorenzo E., assignor to Erie Malleable Iron Company, Erie, Pa. Forming wheels. 1,774,118; Aug. 26.
- Waite, Philip C., assignor to Waite Carpet Company, Oshkosh, Wis. Rug. 1,765,512; June 24.
- Wajda, Albert A., and E. J. Bartkowski, Wissabickon, Philadelphia, Pa. Smoke conveyor. 1,743,009; Jan. 7.
- Wake, John F., Darlington, England. Drying of road-making aggregates and other broken or granular materials. 1,755,377; Apr. 22.
- Wakefield All-Steel Wrench Company. (See Wakefield, C. E., Fleming, and Oliver, assignors.)
- Wakefield, Arthur T., assignor to The American Oil Company, Baltimore, Md. Valve mechanism for measuring pumps. 1,744,186; Jan. 21.
- Wakefield, Clarence E., J. P. Fleming, and J. F. Oliver, assignors to Wakefield All-Steel Wrench Company, Inc., Worcester, Mass. Socket-wrench set. 1,760,799; May 27.
- Wakefield, Frank E., assignor to Illinois Watch Case Company, Elgin, Ill. Ash tray. Des. 80,712; Mar. 11.
- Wakefield, Frank E., Elgin, assignor to Lucien Lelong Inc., Chicago, Ill. Vanity case or similar article. Des. 81,819; Aug. 12.
- Wakefield, Frank E., assignor to Illinois Watch Case Company, Elgin, Ill. Vanity case. 1,771,470; July 29.
- Wakefield, Harold F., Newark, N. J., assignor to Bakelite Corporation, New York, N. Y. Varnish or lacquer and preparing the same. 1,756,267; Apr. 29.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion for looms. 1,756,611; Apr. 29.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Self-threading shuttle. 1,756,612; Apr. 29.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Protector mechanism for looms. 1,760,970; June 3.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Protector mechanism for looms. 1,760,971; June 3.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft-replenishing looms. 1,766,734; June 24.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Terry fabric with piles of different colors. 1,766,805; June 24.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin for electric weft detector. 1,766,861; June 24.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Mechanical warp-stop motion. 1,786,686; Dec. 30.
- Wakeham, Luther W., Oakland, Calif. Dispensing device. 1,769,478; July 1.
- Wakenshaw, Adam, Bearcreek, Mont. Car coupler. 1,762,041; June 3.
- Walbridge, Earl G., Erie, Pa. Stove. 1,775,980; Sept. 16.
- Walch, Albert M., Minneapolis, Minn. Device for applying brake-band linings. 1,749,615; Mar. 4.
- Walch, Herman, Caldwell, Kans. Condiment receptacle for knives, forks, and the like. 1,754,973; Apr. 15.
- Wald, George, Anniston, Ala. Dynamic radio receiver and amplifier. 1,747,137; Feb. 11.
- Wald, George, Belleville, Ill. System for transmission and reception of television. 1,754,491; Apr. 15.
- Walde, Albert H., Roxborough, Pa. Battery terminal. 1,756,445; Apr. 29.
- Wilde, Rudolf. (See Bauer, G., Walde, and Kluge.)
- Walder, A. (See Schmidt, Albert H. W., assignor.)
- Walder, Emil, Philadelphia, Pa., assignor to The Beardsley & Wolcott Manufacturing Company. Automatically-controlled electrical plug. 1,779,455; Oct. 28.
- Wälder, Robert. (See Defris, R., and Wälder.)
- Waldes, Jindrich, New York, N. Y. Button. 1,766,204; June 24.
- Waldes-Koh-i-noor, Inc. (See Locke, Louis.)
- Waldes Koh-I-Noor, Inc. (See Silberman, David, assignor.)
- Waldman, George H., New York, assignor to Oneida Community, Limited, Oneida, N. Y. Storage and display device for flat tableware articles. 1,763,334; June 10.
- Waldman, John H., et al. (See Congdon, Walter L., assignor.)
- Waldorf Paper Products Company. (See Boeye, Paul F., assignor.)
- Waldorf Paper Products Company. (See Guyer, Reynolds, assignor.)
- Waldron, Frederic B., Prescott, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for grinding and/or polishing glass. 1,755,140; Apr. 15.
- Waldron, John, Corporation. (See Case, Lynn B., assignor.)
- Waldron, John, Corporation. (See Dalton, G. A., and Dunham, assignors.)
- Waldron, John, Corporation. (See Dunham, John R., assignor.)
- Waldrop, Earl H. (See Cunningham, James I., assignor.)
- Wale, John, Long Beach, Calif. Oil-level indicator. 1,778,840; Oct. 21.
- Wales, Charles, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Pressure-gauging apparatus. 1,749,007; Mar. 4.
- Wales, Charles, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling and treating articles. 1,765,470; June 24.
- Wales Novelties Corporation. (See Hardy, Charles, assignor.)
- Walinsky, Ossip J., Sea Gate, N. Y. Hatbox. 1,743,838; Jan. 14.
- Walker, Albert H., et al. (See Stanfield, James H., assignor.)
- Walker, Albert J., Hamilton, Ontario, Canada. Headlight. 1,754,731; Apr. 15.
- Walker, Arthur J., Ogden, Utah. Stencil. 1,781,258; Nov. 11.
- Walker, Arthur L., Hinsdale, Ill. Game board. 1,768,016; June 24.
- Walker, Arthur W., Malden, Mass. Thermostatic control apparatus. 1,783,320; Dec. 2.
- Walker Body Company. (See Wells, George W., assignor.)
- Walker, Brooks. (See Collins, Hiram H., assignor.)
- Walker, Brooks, Piedmont, Calif. Parking device. 1,742,566; Jan. 7.
- Walker Brothers. (See Flachbarth, Charles, assignor.)
- Walker Cement Products, Inc. (See Dietrichs, Charles, assignor.)
- Walker, Charles I., Los Angeles, Calif., assignor to Chicago Railway Equipment Company, Chicago, Ill. Hang-erless brake beam. 1,784,917; Dec. 16.

- Walker, Clinton L., Piedmont, Calif. Crank shaft for V-type engines and balancing same. 1,754,918; Apr. 15.
- Walker, Clinton L., Piedmont, Calif. Piston. 1,758,302; May 13.
- Walker, David D. (See Aikens, Thomas N., assignor.)
- Walker & Davis, Inc. (See Thompson, James H., assignor.)
- Walker Dishwasher Corporation. (See Walker, Forrest A., assignor.)
- Walker, Edwin R., Yakima, Wash. Fruit-packing stand. 1,784,403; Dec. 9.
- Walker, Eric E. (See Ellis, G. H., Olpin, and Walker.)
- Walker, Eric E. (See Strafford, N., and Walker.)
- Walker, Ernest A. (See Greer, W. R., jr., and Walker.)
- Walker & Forbes. (See Walker, Herbert S., assignor.)
- Walker, Forrest A., Syracuse, N. Y. Mechanical dishwasher. 1,777,058; Sept. 30.
- Walker, Forrest A., assignor to Walker Dishwasher Corporation, Syracuse, N. Y. Spray nozzle. 1,752,823; Apr. 1.
- Walker, Forrest A., assignor to Walker Dishwasher Corporation, Syracuse, N. Y. Dishwasher. 1,780,452; Nov. 4.
- Walker, Forrest A., assignor to Walker Dishwasher Corporation, Syracuse, N. Y. Mechanical dishwasher. 1,782,950; Nov. 25.
- Walker, Forrest A., assignor to Walker Dishwasher Corporation, Syracuse, N. Y. Impeller for mechanical dishwashers. 1,787,220; Dec. 30.
- Walker, George H., assignor to Heenan & Froude Limited, Worcester, England. Hydraulic heat-generating system. 1,758,207; May 13.
- Walker, George H., assignor to Heenan & Froude Limited, Worcester, England. Hydraulic clutch. 1,784,212; Dec. 9.
- Walker, George K. (See Trimbley, E. J., and Walker.)
- Walker, Gus, Huntington, W. Va. Motor-vehicle brake. 1,768,176; June 24.
- Walker, Harold. (See Connochie, S., and Walker.)
- Walker, Harold W. (See McQuaid, Howard S., assignor.)
- Walker, Harold W., Edgewood Arsenal, Md. Wood preservation. 1,753,000; Apr. 1.
- Walker, Harry, Oil City, La., assignor, by mesne assignments, to Mills Novelty Company, Chicago, Ill. Coin depository. 1,786,466; Dec. 30.
- Walker, Herbert E., Los Angeles, Calif. Device for holding looms on cables. 1,786,585; Dec. 30.
- Walker, Herbert S., assignor to Walker & Forbes, Inc., Mamaroneck, N. Y. Rod or shaft packing. 1,780,051; Oct. 28.
- Walker, Herbert W. (See Calcott, W. S., and Walker.)
- Walker, Hervey S., Ardmore, Pa. Underfloor duct system and method of making. 1,758,989; May 20.
- Walker, Hervey S., Ardmore, Pa. Standpipe fitting. 1,774,740; Sept. 2.
- Walker, Howard G., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulating material. 1,749,008; Mar. 4.
- Walker, Hubert, Royal Oak, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Shaft mounting. 1,748,156; Feb. 25.
- Walker, Hubert, Royal Oak, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Liquid-fuel-tank support. 1,760,457; May 27.
- Walker, Hubert, Royal Oak, and F. A. Whitten, Detroit, Mich., assignors to American Car and Foundry Motors Company, New York, N. Y. Vehicle bumper and fender and mounting means therefor. 1,748,157; Feb. 25.
- Walker, Jackson L., Clarendon, Tex. Cotton-feeder mechanism. 1,746,135; Feb. 4.
- Walker, James T. (See Weitlich, H. O., and Walker.)
- Walker, James T., Pelham, and H. O. Weitlich, New Rochelle, assignors to W. S. T. Sant-Products Corp., Brooklyn, N. Y. Combination powder puff and cleanser. 1,756,408; Apr. 29.
- Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Liquid outlet for tanks. 1,745,731; Feb. 4.
- Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Separator louver. 1,755,527; Apr. 22.
- Walker, Jeffery, Birmingham, England. Ship log. 1,765,039; June 17.
- Walker, Jeffery, Birmingham, England. Rotator for ship logs. 1,773,069; Aug. 12.
- Walker, Jerry S., assignor of five forty-eighths to J. B. Allen, one-twelfth to C. A. Wilson, one-twelfth to E. C. Wilson, one-twelfth to E. T. Mayes, one-twelfth to E. C. Kelley, one twenty-fourth to S. S. Green, and one forty-eighth to T. Morgan, Seminole, Okla. Aeroplane. 1,786,181; Dec. 23.
- Walker, John, & Sons, Limited. (See Hunt, Sydney, assignor.)
- Walker, Joseph L., Baton Rouge, La. Carburetor. 1,742,429; Jan. 7.
- Walker, Joseph L., Baton Rouge, and G. D. Alexis, New Orleans, La. Stitcher head. 1,748,261; Feb. 25.
- Walker Manufacturing Company. (See Bate, John W., assignor.)
- Walker Manufacturing Company. (See Jensen, Gunnar, assignor.)
- Walker Manufacturing Company. (See Johnson, Alvin L., assignor.)
- Walker Manufacturing Company. (See Johnson, Ben F., assignor.)
- Walker, Paul P., Downers Grove, Ill., assignor to Chicago, Burlington & Quincy Railroad Company, Chicago, Ill. Painting apparatus. 1,756,998; May 6.
- Walker, Percy H. D., assignor to The Charles Parker Company, Meriden, Conn. Clamping element for vises and similar articles. 1,778,576; Oct. 14.
- Walker, Philip S., Mansfield, Mass. Feed for self-filling fountain pens. 1,774,248; Aug. 26.
- Walker, Prescott H., and S. S. Kenyon, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive or refractory articles and making the same. 1,785,102; Dec. 16.
- Walker, Ralph C., Portland, Oreg. Electrically-heated therapeutical appliance. 1,786,373; Dec. 23.
- Walker, Randall, Covington, Ky., assignor of one-half to G. C. Arey, Game. 1,769,726; July 1.
- Walker, Raymond E., Wollaston, Mass. Face shield. 1,749,050; Mar. 4.
- Walker, Robert, Vancouver, British Columbia, Canada. Furnace. 1,781,616; Nov. 11.
- Walker, Robert P. (See Basinger, Americus D., assignor.)
- Walker Signal & Equipment Corporation. (See Walker, William L., assignor.)
- Walker, Thomas H., Hollywood, Calif. Casement-sash hinge. 1,754,659; Apr. 15.
- Walker, Thomas S., assignor to I. Leezenbaum, Newark, N. J. Folding table. 1,784,507; Dec. 9.
- Walker, Titus S., Memphis, Tenn. Corn popper. 1,759,475; May 20.
- Walker Vehicle Company, et al. (See Whitney, Eddy R., assignor.)
- Walker, Walter T., Ottawa Hills, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 81,169; May 13.
- Walker, Warren R., Short Hills, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Mercury switch. 1,743,067; Jan. 7.
- Walker, Warren R., New Dorp, N. Y., assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Retarded-circuit maker and breaker. 1,778,439; Oct. 14.
- Walker, William, Sawtelle, Calif. Smoker's appliance. 1,743,698; Jan. 14.
- Walker, William B., Roxboro, N. C. Apparatus for operating on spinning frames and other machines. 1,781,142; Nov. 11.
- Walker, William C., New York, N. Y. Continuous centrifugal separator. 1,767,905; June 24.
- Walker, William D., Kansas City, Mo. Starting motor-control mechanism. 1,761,853; June 3.
- Walker, William L., New York, N. Y., assignor to Walker Signal & Equipment Corporation. Submarine signaling apparatus. 1,771,597; July 29.
- Walker, William L., New York, N. Y., assignor to Walker Signal & Equipment Corporation. Multiple control switch. 1,773,830; Aug. 26.
- Walker, Willis B., Macungie, Pa. Unloader. 1,743,055; Jan. 7.
- Walkerline, Arthur F., San Francisco, Calif. Fernery. Des. 81,037; Apr. 22.
- Walkley, Frank H. (See Walther, G., Walkley, and Borghardt.)
- Walkup, Monte W., Chicago, Ill. Bending device. 1,749,616; Mar. 4.
- Wall, A. T. Co. (See Oxx, Henry G., assignor.)
- Wall, Ethel M., Omaha, Nebr. Stocking. 1,762,601; June 10.
- Wall, George A., Wilmington, assignor to Shaw Crane-Putman Machine Company, Inc., Fitchburg, Mass. Support for rotary slitters. 1,749,931; Mar. 11.
- Wall, Harold M., and W. Reiner, Beverly, N. J. Rope structure. 1,749,171; Mar. 4.
- Wall, P., Manufacturing Supply Company. (See Leety, H. E., Eckert, and Page, assignors.)
- Wall, William B., Lancaster, S. C. Harness shaft for looms. 1,764,917; June 17.
- Wall, William E., Pinnacle, N. C. Tool for permanently removing suckers from tobacco plants. 1,779,379; Oct. 21.
- Wallace, Albert S., Chicago, Ill. Rlm breaker. 1,770,444; July 15.
- Wallace, Allen, Moorestown, N. J. Electric locomotive truck. 1,776,174; Sept. 16.
- Wallace, Archibald, L., assignor to Metal Hose & Tubing Co., Inc., Brooklyn, N. Y. Machine for use in assembling hose-coupling parts and the like. 1,782,219; Nov. 18.
- Wallace, Benjamin F., Brooklyn, N. Y. Parting-facing product for casting metals. 1,758,095; May 13.
- Wallace, Bert A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,744,845; Jan. 28.
- Wallace, Bert A., assignor to Kellogg Switchboard and supply Company, Chicago, Ill. Telephone system. 1,772,587; Aug. 12.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Company, Inc., Belleville, N. J. Apparatus for producing a proportionately-varying negative pressure. 1,762,706; June 10.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Company, Inc., Belleville, N. J. Gas-supply apparatus. 1,777,986; Oct. 7.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Company, Inc., Belleville, N. J. Apparatus for treating water. 1,777,987; Oct. 7.
- Wallace, Charles H., New York, N. Y. Junction-box outlet. 1,779,924; Oct. 28.

- Wallace, Charlton, jr., et al. (See Corey, Percival C., assignor.)
- Wallace, Curtis C., Philadelphia, Pa. Vent for storage batteries. 1,758,545; May 13.
- Wallace, Cyrus H., San Gabriel, Calif. Signal window for automobile doors. 1,785,796; Dec. 23.
- Wallace, Donald J. (See Suverkrop, L., and Wallace.)
- Wallace, Edward B. (See Beardsley, C. E., and Wallace.)
- Wallace, Edwin C., Newton, Mass. Preparing bituminous paving compositions. 1,749,651; Mar. 4.
- Wallace, Edwin C., Newton, Mass. Paving mixture and preparing same. 1,763,204; June 10.
- Wallace, Frank, Freeport, N. Y. Water-closet. 1,755,040; Apr. 15.
- Wallace, Frank R., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 1,755,679; Apr. 22.
- Wallace, Fredrick J. (See Bullen, B. W. and Wallace.)
- Wallace, George W. (See Evans, John M., assignor.)
- Wallace, Harry B., St. Louis, and F. W. Frerichs, jr., Webster Groves, assignors to Cupples Company, Manufacturers, St. Louis, Mo. Bottle closure. 1,747,917; Feb. 18.
- Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,746,328; Feb. 11.
- Wallace, Herbert A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,778,539; Oct. 14.
- Wallace, Henry, London, England. Grit-distributing device. 1,784,323; Dec. 9.
- Wallace, Hubbe R., Park City, Utah. Aircraft. 1,772,196; Aug. 5.
- Wallace, Hugh, assignor to General Motors Research Corporation, Dayton, Ohio. Electromagnetic pump. 1,742,837; Jan. 7.
- Wallace, Hugh, Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,763,682; June 17.
- Wallace, Hugh, and F. E. Stevenson, Dayton, Ohio, assignors, by mesne assignments, to Frigidaire Corporation. Mounting for a driving and a driven device. 1,768,646; July 1.
- Wallace, J. D., & Company. (See Wallace, J. D., and Landis, assignors.)
- Wallace, James M. P., Norristown, Pa. Weather vane. 1,751,433; Mar. 18.
- Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Adjusting mote boards on air-blast cotton gins. 1,777,059; Sept. 30.
- Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Gin rib. 1,786,972; Dec. 30.
- Wallace, John B., Grove City, Pa. Bale press. 1,766,570; June 24.
- Wallace, John D., and C. H. Landis, assignors to J. D. Wallace & Company, Chicago, Ill. Dynamo-electric machine. 1,750,446; Mar. 11.
- Wallace, John F., Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorber for landing gears for aeroplanes. 1,759,674; May 20.
- Wallace, John F., Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock-absorbing strut. 1,767,105; June 24.
- Wallace, John F., Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock-absorbing strut. 1,780,659; Nov. 4.
- Wallace, John F., Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock-absorbing strut for aircraft. 1,780,660; Nov. 4.
- Wallace, Joseph H., Stamford, Conn., assignor to Pine Waste Products, Inc., New York, N. Y. Wood-pulp material. 1,781,712; Nov. 18.
- Wallace, R., & Sons Manufacturing Company. (See Hillbom, Henrik, assignor.)
- Wallace, R., & Sons Manufacturing Company. (See Warren, William S., assignor.)
- Wallace, Ralland J., Oklahoma City, Okla. Pliers or tongs. 1,781,419; Nov. 11.
- Wallace, Robert S., Pocahontas, Va. Rail bond. 1,750,553; Mar. 11.
- Wallace, Sadye B., Seattle, Wash. Brush. 1,768,968; July 1.
- Wallace, Thomas, Canton, S. Dak. Ironing board. 1,774,411; Aug. 26.
- Wallace, Thomas P., Memphis, Tenn., assignor to Carver Cotton Gin Company, Bridgewater, Mass. Float roll for gins. 1,775,111; Sept. 9.
- Wallace & Tiernan Products, Inc. (See Baker, John C., assignor.)
- Wallace & Tiernan Company. (See Wallace, Charles F., assignor.)
- Wallace, W. W. (See Brainerd, Harry W., assignor.)
- Wallace, Walter A., and A. M. Dossey, Calipatria, Calif. Agricultural implement hitch and control apparatus. 1,772,329; Aug. 5.
- Wallace, Walter A., E. B. Holmquist, and E. C. Holmquist, Calipatria, Calif.; said Earl B. Holmquist and said E. C. Holmquist assignors of one-twelfth of their right to said Wallace. Tractor hitch and control apparatus. 1,745,069; Jan. 28.
- Wallace, William, La Fayette, Ind. Basket-ball-basket suspension. 1,757,350; May 6.
- Wallace, William C., Kansas City, Mo. Hydro-sporting machine. 1,773,210; Aug. 19.
- Wallace, William S., et al., trustees. (See Davis, Kenneth, assignor.)
- Wallace, William S., Charlotte, N. C. Tableting press. 1,758,133; May 13.
- Wallace, William W., Chicago, Ill., assignor to New York Brick Handling Corporation, New York, N. Y. Dumping fork. 1,745,839; Feb. 4.
- Wallach, Leon, Brooklyn, assignor to W. and M. Rothstein and J. Ardbaum, Brooklyn, copartners doing business as Arranbee Doll Co., New York, N. Y. Doll. 1,746,568; Feb. 11.
- Wallden, Osborne K. A., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oiling device. 1,777,340; Oct. 7.
- Walle, Ludwig S., Scotia, N. Y., assignor to General Electric Company. Switch-operating mechanism. 1,760,532; May 27.
- Walle, Ludwig S., Scotia, N. Y., assignor to General Electric Company. Electric switch. 1,768,385; June 24.
- Walle, Ludwig S., Scotia, N. Y., assignor to General Electric Company. Electric switch-operating mechanism. 1,781,561; Nov. 11.
- Waller, Arthur C., Chicago, Ill., assignor to Bates Expanded Steel Truss Co., East Chicago, Ind. Metal joist and the manufacture thereof. 1,763,940; June 17.
- Wallenberg, Richard S., Buffalo, assignor of one-half to R. E. Donovan, Tonawanda, N. Y. Battery-terminal connector. 1,784,259; Dec. 9.
- Waller, Anthony E., Providence, R. I. Joint for pin stems. 1,771,155; July 22.
- Waller, Carl R., assignor to De Laval Steam Turbine Company, Trenton, N. J. Nozzle construction. 1,750,652; Mar. 18.
- Waller, Edward A., Chicago, Ill. Printing press. 1,754,379; Apr. 15.
- Waller, Edward A., Chicago, Ill. Printing press. 1,774,119; Aug. 26.
- Waller, John A., assignor to Waller Manufacturing Corporation, Ltd., Los Angeles, Calif. Saw-filing device. 1,754,378; Apr. 15.
- Waller Manufacturing Corporation. (See Waller, John A., assignor.)
- Wallerstein Company. (See Wallerstein, Leo, assignor.)
- Wallerstein, John, New York, N. Y. Ironing table. 1,755,617; Apr. 22.
- Wallerstein, John, New York, N. Y. Ironing table. 1,768,724; July 1.
- Wallerstein, Leo, assignor to Wallerstein Company, Inc., New York, N. Y. Degumming silk. 1,763,112; June 10.
- Wallin, Joel L. (See Hoch, E. G., and Wallin.)
- Wallin, Joel L. (See Painter, L. O., and Wallin.)
- Wallin, Van A., assignor to American Hair & Felt Company, Chicago, Ill. Flooring for refrigerator cars. 1,747,340; Feb. 18.
- Wallin, Van A., assignor to American Hair & Felt Company, Chicago, Ill. Felt manufacture. 1,754,919; Apr. 15.
- Wallis, Barnes N. (See Burney, C. D., Wallis, Norway and Temple.)
- Wallis, Barnes N. (See Burney, C. D., Wallis, and Temple.)
- Wallis, Cyril T., assignor, by mesne assignments, to North-East Appliance Corporation, Rochester, N. Y. Speedometer. 1,750,337; Mar. 11.
- Wallis, George E. (See Graham, L. A., and Low, assignors.)
- Wallis, George E., Wenham, Mass., and J. C. Scovel, jr., assignors to The Creamery Package Mfg. Company, Chicago, Ill. Refrigerated agitating device. 1,748,320; Feb. 25.
- Wallis, Harry C. (See Ginzler, Frederick G., assignor.)
- Wallis, John S. (See Titus, H. J., and Wallis.)
- Wallis, Joseph E. (See Armstrong, J. C., and Wallis.)
- Wallis, Thomas I., Evansville, Ind. Portable folding table. 1,781,562; Nov. 11.
- Walls, John A., Baltimore, Md. Air-filtering device for heating apparatus. 1,782,374; Nov. 18.
- Walliser, Robert E., Chicago, Ill. Fringe-tasseling machine. 1,757,985; May 13.
- Walliser, Robert E., Chicago, Ill. Combined power and hand loom. 1,763,111; June 10.
- Wallraff, William H., et al. (See Huber, Paul J., assignor.)
- Walp, Charles F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Flexible mandrel. 1,748,158; Feb. 25.
- Walp, Charles F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Roof. 1,784,508; Dec. 9.
- Walper, Curry O., Detroit, Mich., assignor, by mesne assignments, to United States Gypsum Company, Chicago, Ill. Wall board. 1,747,339; Feb. 19.
- Walper, Curry O., Detroit, Mich., assignor, by mesne assignments, to United States Gypsum Company, Chicago, Ill. Plaster board. 1,749,009; Mar. 4.
- Walper, Gordon R., Royal Oak, Mich. Wall and ceiling construction. 1,754,214; Apr. 8.
- Walper, Gordon R., Royal Oak, Mich. Wall or ceiling construction. 1,754,215; Apr. 8.
- Walper, Gordon R., Royal Oak, Mich. Plastering construction. 1,762,707; June 10.
- Walrath, Raymond L., Springfield Gardens, N. Y. Saw. 1,773,557; Aug. 19.

- Walsh, Arthur E., Evanston, Ill. Hair waver and method. 1,774,120; Aug. 26.
- Walsh, Carlin A., Cambridge, Mass. Dentist's mixing ball. 1,769,196; July 1.
- Walsh, Charles E., deceased, Cleveland Heights, Ohio; W. S. Walsh, administratrix. Steam trap. 1,766,966; June 24.
- Walsh, Frank P. (See Fisk, Jesse F., assignor.)
- Walsh, Frank P., assignor to Whiting Corporation, Harvey, Ill. Drop pit. 1,772,848; Aug. 12.
- Walsh, George L., assignor to J. M. Rector, Jersey City, N. J. Filter. 1,750,073; Mar. 11.
- Walsh, Harry S., and M. H. Matheson, assignors to Murray Body Corporation, Detroit, Mich. Safety device for presses. 1,768,531; June 24.
- Walsh, James A., Indianapolis, Ind., assignor to J. I. Case Company, Racine, Wis. Combination harvester thrasher. 1,784,121; Dec. 9.
- Walsh, James F., East Orange, and H. E. Smith and A. F. Caprio, Newark, N. J., assignors, by mesne assignments, to Celluloid Corporation. Composition of matter and producing the same. 1,772,529; Aug. 12.
- Walsh, James J., Philadelphia, Pa. Burglarproof lock. 1,758,096; May 13.
- Walsh, John D., New York, and L. C. Antrim, Jersey City, N. J.; said Antrim assignor to W. F. Walsh, Boston, Mass. Container. 1,770,021; July 8.
- Walsh, John E., Chicago, Ill., assignor to Self Locking Carton Company. Cushioning means for egg cartons. 1,763,570; June 10.
- Walsh, John J., assignor to Milium Shoe Company, St. Louis, Mo. Ornamental leather goods. 1,751,962; Mar. 26.
- Walsh, Joseph A., et al. (See Martino, Ciro L., assignor.)
- Walsh, Patrick H., Westerly, assignor to Caro Cloth Corporation, Carolina, R. I. Making textile fabrics. 1,743,063; Jan. 7.
- Walsh, Patrick H., Westerly, assignor to Caro Cloth Corporation, Carolina, R. I. Self-cleaner for cards. 1,743,069; Jan. 7.
- Walsh, Thomas W. (See McCarty, Michael R., assignor.)
- Walsh, Vincent G., London, England. Emulsifying and analogous apparatus. 1,780,853; Nov. 4.
- Walsh, Walter F. (See Walsh, J. D., and Antrim, assignors.)
- Walsh, William F., McGill, Nev. Pneumatic hammer. 1,771,238; July 22.
- Walsh, Winifred S., administratrix. (See Walsh, Charles E.)
- Walss, Walther, Meggen, near Lucerne, Switzerland. Social game. 1,780,256; Nov. 4.
- Walstrom, Axel M., Minneapolis, Minn. Lubricating device. 1,751,114; Mar. 18.
- Walstrom, Axel M., Minneapolis, Minn. Metal hoop. 1,778,098; Oct. 14.
- Walstrom, Axel M., Minneapolis, Minn. Double-acting grease gun. 1,784,260; Dec. 9.
- Walstrom, Axel M., Minneapolis, Minn., assignor to Elgin Butter Tub Company, Elgin, Ill. Cover and process of making. 1,782,157; Nov. 18.
- Walsworth, Mary B. (See Bowers, Mary.)
- Waltemath, Adolf, Oberschonewalde, Germany, assignor to General Electric Company. Control apparatus. 1,751,374; Mar. 18.
- Walter, Albert U., Baltimore, Md. Antisiphoning system. 1,784,918; Dec. 16.
- Walter, B., & Co. (See Walter, Frederick B., assignor.)
- Walter, Cecil M., Four Oaks, and R. G. Marsh, Birmingham, England. Gramophone and the like. 1,767,330; June 24.
- Walters, D. E. (See McGee, Rupert E., assignor.)
- Walter, Earnest F., Honesdale, Pa. Corner bin for kitchen cupboards. 1,742,333; Jan. 7.
- Walter, Edward C., Orange, N. J., assignor to The Elliott-Fisher Company, New York, N. Y. Triple-hinge index unit. 1,757,154; May 6.
- Walter, Edward H., Woodlynne, N. J. Abdominal baby band. 1,764,995; June 17.
- Walter, Erich, Atlantic City, N. J. Combination outlet box. 1,753,100; Apr. 1.
- Walter, Frank H., assignor to Unico Motor Products Corporation, St. Louis, Mo. Piston ring. 1,771,198; July 22.
- Walter, Frank K., Minneapolis, Minn., assignor to J. H. Hine, New York, N. Y. Shelf extension. 1,764,131; June 17.
- Walter, Frank L., Dayton, Ohio, deceased; M. M. Walter, executrix. Pruning shears. 1,753,225; Apr. 8.
- Walter, Frederick B., assignor to B. Walter & Co., Wabash, Ind. Extension refectory table. 1,743,697; Jan. 14.
- Walter, Frederick B., assignor to B. Walter & Co., Wabash, Ind. Table lock. 1,763,571; June 10.
- Walter, Frederick B., assignor to B. Walter & Co., Wabash, Ind. Extension table. 1,763,572; June 10.
- Walter, George A., Ithaca, N. Y. Manufacture of cement. 1,770,958; July 22.
- Walter, Georges, Perroy, Switzerland. Method and an apparatus for manufacturing hollow bodies. 1,786,586; Dec. 30.
- Walter, Gustave, Jersey City, N. J. Locomotive bell ringer. 1,781,563; Nov. 11.
- Walter, Hans, Mainz-Mombach, assignor to Verein für Chemische Industrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of santalol compounds. 1,761,376; June 3.
- Walter, Harrison B., Chicago, Ill. Fiber-board crate. 1,767,629; June 24.
- Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Box. 1,770,681; July 15.
- Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Protective means for pipes. 1,786,467; Dec. 30.
- Walter, Josef, Modling, Austria. Bushing for lining the bores of joints. 1,750,554; Mar. 11.
- Walter, Joseph, Calumet City, Ill., assignor to Frank S. Betz Company, Hammond, Ind. Obstetrical table. 1,778,698; Oct. 14.
- Walter, Joseph, Calumet City, Ill., and B. Allen, assignors of one-half to Frank S. Betz Company, Hammond, Ind. Adjustable door hinge. 1,742,455; Jan. 7.
- Walter, Margaret M., executrix. (See Walter, Frank L.)
- Walter, Otto, Perrysville, Ind. Tile-cutting machine. 1,750,737; Mar. 18.
- Walter, Willard, Mongo, Ind. Trouser creaser. 1,744,937; Jan. 28.
- Walters, Charles W., and D. M. Yeager, Detroit, Mich. Hood latch. 1,774,819; Sept. 2.
- Walters, Frank, Kidderminster, England. Needle weft-inserting loom. 1,772,973; Aug. 12.
- Walters, Herbert C. (See Chryst, W. A., and Walters.)
- Walters, Herbert H., assignor to Chemical Toilet Corporation, Syracuse, N. Y. Fireplace dome. 1,763,076; June 10.
- Walters, Herbert H., assignor to Chemical Toilet Corporation, Syracuse, N. Y. Sheet-metal fireplace. 1,771,668; July 29.
- Walters, James N., East Orange, N. J., and E. H. Clark, Richmond Hill; said Walters assignor to American Telephone and Telegraph Company; said Clark assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective switch. 1,778,407; Oct. 14.
- Walters, John C., Rural Retreat, Va. Liquid-level-indicating switch apparatus. 1,744,289; Jan. 21.
- Walters, Odin B., Council Bluffs, Iowa. Blade-controlling device for road maintainers. 1,747,747; Feb. 18.
- Walters, Rollo F., Detroit, Mich., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Upholstery installation. Re17,823; Oct. 7.
- Walters, Rollo F., Detroit, Mich., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Closure element. 1,753,631; Apr. 8.
- Walters, Rollo F., Detroit, Mich., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Upholstery installation. 1,760,259; May 27.
- Walters, Rollo F., Detroit, Mich., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Upholstery installation. 1,760,260; May 27.
- Walters, Rollo F., Detroit, Mich., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Upholstery installation. 1,760,261; May 27.
- Walters, Rollo F., Detroit, Mich., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,760,262; May 27.
- Walters, Rollo F., Detroit, Mich., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,760,263; May 27.
- Walters, Rollo F., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener. 1,769,727; July 1.
- Waltham System, Inc. (See Folger, Henry C., assignor.)
- Walther, George, near Dayton, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Brake drum. 1,749,745; Mar. 4.
- Walther, George, F. H. Walkley, and J. H. Borghardt, assignors to The Dayton Steel Foundry Company, Dayton, Ohio. Wheel. 1,752,317; Apr. 1.
- Walther, Wilhelm, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Magneto. 1,771,830; July 29.
- Walthers, Harry B., Omaha, Nebr. Nonglare lens for headlights. 1,773,831; Aug. 26.
- Waltman, Chauncey E., assignor to I. Teger, doing business as Imperial Lamp Mfg. Co., Chicago, Ill. Smoker's stand. Des. 80,926; Apr. 8.
- Walton, Christian, Chicago, Ill. Boot and shoe construction. 1,786,374; Dec. 23.
- Walton, Harold F. (See Riley, R. S., and Walton.)
- Walton, Howard T., Collingswood, N. J., assignor to David Lupton's Sons Company, Philadelphia, Pa. Ventilating system. 1,747,271; Feb. 18.
- Walton, Howard T., Collingswood, N. J., assignor to David Lupton's Sons Company, Philadelphia, Pa. Friction hinge. 1,768,810; July 1.
- Walton, John M. (See Stewart, Robert W., assignor.)
- Walton, John W., Rockdale, assignor to Tennessee Products Corporation, Nashville, Tenn. Producing phosphorus. 1,772,849; Aug. 12.
- Walton, Oscar L., Boulder, Colo. Ore-treating apparatus. 1,774,686; Sept. 2.
- Walton, Samuel F., Hamburg, N. Y., assignor to The Exolon Company, Bladell, N. Y. Moldable product and producing the same. 1,781,204; Nov. 11.
- Waltrip, Henry D., and R. M. Horton, Chicago, Ill. Circuit closer. 1,750,738; Mar. 18.
- Walty, Werner, Ennetbaden, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Electrical protective apparatus. 1,752,970; Apr. 1.

- Waltz, Alfred B. (See Naab, G. F., and Waltz.)
- Walz, Carl F., assignor to Durkee-Atwood Company, Minneapolis, Minn. Antifrost device and making the same. 1,768,872; July 1.
- Wambsgans, William H., Peoria, Ill. Joint for artificial limbs. 1,760,800; May 27.
- Wamelink, Eugene C., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Cover attaching and locking means. 1,786,802; Dec. 30.
- Wampler, Isaac S. (See Chandler, E. A., and McCann, assignors.)
- Wanamaker, Ernest, assignor to Kulp Theftproof Lamp Company, Chicago, Ill. Locking means for electrical apparatus. 1,775,709; Sept. 16.
- Wanamaker, Ernest, and L. C. Bowes, Chicago, Ill., assignors to U. S. Oil & Service Corporation, New York, N. Y. Steam-generating apparatus. 1,782,220; Nov. 18.
- Wanamaker, George L., Ambridge, Pa., assignor to National Electric Products Corporation, New York, N. Y. Flexible tubing. 1,775,334; Sept. 9.
- Wanamaker, John, Philadelphia. (See Kratz, Howard L., assignor.)
- Wandel, Barney, Boston, Mass. Syringe. 1,748,810; Feb. 25.
- Wandel, Kurt, New York, N. Y., assignor to Cellulose Products, Inc., Shamokin, Pa. Paper article and producing the same. 1,771,983; July 29.
- Wandel, Kurt, assignor to Cellulose Products, Inc., Shamokin, Pa. Paper article and process of manufacture. 1,774,497; Aug. 26.
- Wander, Frederick, jr., New York, N. Y. Helicopter for airplanes. 1,766,472; June 24.
- Wanderer Werke, vorm Winkhofer & Jaenicke, A. G. (See Claus, Christian E. A., assignor.)
- Wanders, Hans H., Boston, Mass. Automatic looper and knitter. 1,763,731; June 17.
- Wanders, Hans H., Boston, Mass. Heating pad. 1,781,741; Nov. 18.
- Waneck, Henry. (See Hemmer, P. J., and Waneck.)
- Wanee, George M., Red Bluff, Calif. Gun holster. 1,768,177; June 24.
- Wanek, Frank, Doran, Minn. One-man-orchestra device. 1,749,862; Mar. 11.
- Waner, Harry E. (See Wilson, G. F., and Waner.)
- Waner, Harry E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for mounting rings in molds. 1,748,626; Feb. 25.
- Waner, Harry E., and W. B. Freeman, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tube-skiving apparatus. 1,771,471; July 29.
- Wangelin, Walter H., St. Louis, Mo. Sand screen. 1,785,161; Dec. 16.
- Wangenheim, Ethel A., San Francisco, Calif. Safety garter. 1,779,200; Oct. 21.
- Wanke, Oscar W., Dandenong, Victoria, Australia. Gate-operating mechanism. 1,775,792; Sept. 16.
- Wannebo, Kristian N., Gottenborg, Sweden. Making oil gas. 1,770,563; July 15.
- Wanner, Edwin P., New York, N. Y. Table. 1,744,425; Jan. 21.
- Wanner, Harry C., and L. H. Moss, Chicago, Ill.; said Moss assignor to said Wanner. Electric-circuit controlling and timing device. 1,749,404; Mar. 4.
- Wanner Malleable Castings Company, The. (See Keen, Louis E., assignor.)
- Wantz, Julius B., Oak Park, Ill. Rectifying switch. 1,784,122; Dec. 9.
- Wantz, Julius B., Oak Park, assignor to Victor X-ray Corporation, Chicago. Circuit for X-ray multiple-tube stands. 1,765,641; June 24.
- Wantz, Julius B., and A. A. Grothe, Oak Park, assignors to Victor X-ray Corporation, Chicago, Ill. Rectifier. 1,761,246; June 3.
- Wantz, Solomon E. (See Arnold, R. V., Flickinger, and Wantz.)
- Waples, Margaret E., Chattanooga, Tenn. Table. 1,775,877; Sept. 16.
- Waples, Robert M. (See Hubbard, C. R., and Waples.)
- Wappler Electric Company. (See Mutscheller, Arthur, assignor.)
- Wappler Electric Company. (See Wappler, B. H., and Fayer, assignors.)
- Wappler Electric Company. (See Wappler, F. H., and Loos, assignors.)
- Wappler Electric Company. (See Wappler, Reinhold H., assignor.)
- Wappler, Frederick C. (See Wappler, Reinhold H. and F. C.)
- Wappler, Frederick H., Flushing, and W. Loos, Jamaica, assignors to Wappler Electric Company, Inc., Long Island City, N. Y. Sponge electrode. 1,769,090; July 1.
- Wappler, Reinhold H., Yonkers, N. Y. Catheterizing instrument. 1,747,407; Feb. 18.
- Wappler, Reinhold H., Yonkers, N. Y. Urethral clip. 1,750,654; Mar. 18.
- Wappler, Reinhold H., Yonkers, N. Y. Small-sized cystoscope. 1,767,025; June 24.
- Wappler, Reinhold H., Yonkers, N. Y. Catheterizing instrument. 1,767,267; June 24.
- Wappler, Reinhold H., New York, assignor to Wappler Electric Company, Inc., Long Island City, N. Y. X-ray protective device. 1,754,810; Apr. 15.
- Wappler, Reinhold H., Yonkers, and C. Fayer, New York, N. Y., assignors to Wappler Electric Company, Inc. Electric machine. 1,748,812; Feb. 25.
- Wappler, Reinhold H., Yonkers, and F. C. Wappler, New York, N. Y. Nasal syringe. 1,755,754; Apr. 22.
- Wappler, Reinhold H., Yonkers, and F. C. Wappler, assignors to American Cystoscope Makers, Inc., New York, N. Y. Illuminating device for diagnostic instruments. 1,767,266; June 24.
- Ward, Albert C., Canonsburg, Pa. Revolving drier. 1,743,643; Jan. 14.
- Ward, Artemas, Inc. (See Giles, Harvey, assignor.)
- Ward Baking Company. (See Hoffman, C., and Schweitzer, assignors.)
- Ward, Charles C., Houston, Tex. Plow. 1,761,320; June 3.
- Ward, Charles E., Charleston, W. Va. Flanking vane for ships. 1,764,918; June 17.
- Ward, Charles E., Charleston, W. Va. Seal for stern bearings for propeller shafts. 1,780,804; Nov. 4.
- Ward, Clarence A., Linden, N. J., assignor to Standard Oil Development Company. Manufacturing paraffin. 1,760,096; May 27.
- Ward Dry Milk Company. (See Peterson, Chris M., assignor.)
- Ward, Edward J., Bishopsgate, London, England, assignor to The Invicta Writer, Inc., New York, N. Y. Machine for simultaneously printing words and figures. 1,747,559; Feb. 18.
- Ward, Eugene B., assignor, West Springfield, Mass. Shoe. 1,763,283; June 10.
- Ward, F. H., Co. (See Kinnie, W. Carl, assignor.)
- Ward, Frederick B. (See Van Eerde, Jan., assignor.)
- Ward, George D., Kearny, and W. H. Chapman, Montclair, N. J., assignors to General Motors Corporation, Detroit, Mich. Making journal boxes. 1,754,920; Apr. 15.
- Ward, Harry L., Long Beach, Calif. Gripping clothes washer. 1,758,633; May 13.
- Ward, Harry R. (See McBride, V. R., and Ward.)
- Ward, Henry L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Oven. 1,744,817; Jan. 28.
- Ward, Howard H., Elwood, Nebr. Transmission mechanism. 1,771,454; July 29.
- Ward, Hugh H., Chester, Pa. Metallic receptacle. 1,787,221; Dec. 30.
- Ward, James W., Pittsburgh, Pa. Book repairing. 1,764,234; June 17.
- Ward, John B., Bray, Calif. Display stand. 1,744,996; Jan. 28.
- Ward, Joshua, Elizabeth, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Apparatus for feeding tape and projecting images therefrom. 1,771,499; July 29.
- Ward, Joseph, assignor of one-tenth to J. E. Miller, Huntington, W. Va. Seed planter. 1,786,100; Dec. 23.
- Ward Leonard Electric Company. (See Bullinger, Frederic H., assignor.)
- Ward Leonard Electric Company. (See Kebler, Leonard, assignor.)
- Ward Leonard Electric Company. (See Masin, Oldrich F., assignor.)
- Ward-Love Pump Corporation. (See Johnson, Oscar W., assignor.)
- Ward, Orville S. (See Innis, M. M., and Ward.)
- Ward, Ottomar L., Waterville, Nova Scotia, Canada. Pruning saw. 1,787,057; Dec. 30.
- Ward, Ruth S., et al. (See Laswell, Vernon E., assignor.)
- Ward, Richard H., Queens Village, assignor to E. C. Bowers and C. L. Feldman, receivers for Wickwire Spencer Steel Company, New York, N. Y. Radiator shield. 1,779,759; Oct. 28.
- Ward, Walter B., Memphis, Tenn. Abrading machine. 1,749,898; Mar. 11.
- Ward, Warren W. (See Marks, Sidney, assignor.)
- Ward, Thomas J., White Haven, Pa. Coupling for railway draft gears. 1,769,170; July 1.
- Ward, William H., Parkside, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Low-velocity ammonia dynamite. 1,743,172; Jan. 14.
- Ward, William J., Philadelphia, Pa. Necktie holder. 1,764,705; June 17.
- Ward, William L., assignor to Russell, Burdsall & Ward Bolt and Nut Company, Port Chester, N. Y. Making nuts. 1,758,990; May 20.
- Ward, Willis C., Orchard Lake, Mich. Buffer for aircraft. 1,770,638; July 15.
- Ward, Willis C., Orchard Lake, Mich. Safety aircraft. 1,787,293; Dec. 30.
- Ward, Willis C., Orchard Lake, Mich. Safety device for aircraft. 1,787,294; Dec. 30.
- Ward, Willis C., Orchard Lake, Mich. Grader. 1,787,295; Dec. 30.
- Wardan, Charles M., Kirkwood, Mo. Shirt construction. 1,758,341; May 13.
- Wardell, Charles H., jr., assignor to Ohio Chemical & Manufacturing Company, Cleveland, Ohio. Making dentures. 1,742,430; Jan. 7.
- Warden, Buford, Memphis, Tenn. Roach trap. 1,770,330; July 8.
- Warden, Charles A., Hemphill, W. Va., assignor to Kingston-Pocahontas Coal Company, New York, N. Y. Coal-loading conveyer. 1,773,414; Aug. 19.

- Warden, Charles A., Hemphill, W. Va., assignor to Kingston-Pocahontas Coal Company, New York, N. Y. Coal-loading conveyor. 1,773,415; Aug. 19.
- Warden, Charles A., Hemphill, W. Va., assignor to Kingston-Pocahontas Coal Company, New York, N. Y. Coal-loading conveyor. 1,773,416; Aug. 19.
- Warden, Franklin M. (See Green, J. Birchard, assignor.)
- Warden, Herbert W., jr. (See Thorn, G. M., Warden, Blackburn, and Shannon.)
- Warden, James C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Skiing clamp for inner tubes. 1,769,728; July 1.
- Wardlaw, L. J. (See Sims, Thomas B., assignor.)
- Wardlaw, L. J. (See Sims, Thomas B., assignor.)
- Wardley, Thomas, Greenford, and H. V. E. M. Renn, West Ealing, England, assignors to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glassware. 1,754,193; Apr. 8.
- Wardner, Oel E., assignor to North & Judd Manufacturing Company, New Britain, Conn. Belt buckle. Des. 80,470; Feb. 4.
- Wardrop, Grover O., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Magnet for bowling alleys. 1,779,022; Oct. 21.
- Wardrop, Ralph T. (See Yocum, E. L., and Wardrop.)
- Wardrop, William B., Barnesboro, Pa. Terminal for rail bonds. 1,748,532; Feb. 25.
- Ware, John A. (See Robinson, Jay A., assignor.)
- Ware, Lulu J., Hollywood, Calif. Reversible serving dish. 1,756,963; May 6.
- Ware, Melvin R., Plainfield, N. J. Automatic paper-making process and apparatus. 1,773,832; Aug. 26.
- Ware, Raymond, Ithaca, N. Y. Internal-combustion engine. 1,753,226; Apr. 8.
- Waream, Charles B., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Neck-band clamp. 1,743,256; Jan. 14.
- Warfield, Edwin W., Rutherford, N. J., assignor of one-half to J. E. Bucher, Buffalo, N. Y. Concentrator. 1,745,070; Jan. 28.
- Warfield, Fred C., Jackson, Mich. Headrest. 1,754,974; Apr. 15.
- Warfield, Howard C. (See Lush, C. H., and Warfield.)
- Warford Corporation, The. (See Morgan, Guy, assignor.)
- Warford, William R., Pine Bluff, Ark. Board-measuring instrument. 1,769,246; July 1.
- Wargin, Lee M., St. Louis, Mo. Finger ring. 1,785,217; Dec. 16.
- Wargo, John J., Oyster Bay, N. Y. Airplane with foldable wings. 1,772,405; Aug. 5.
- Warholoski, August, Cedar Rapids, Nebr. Plowpoint. 1,776,482; Sept. 23.
- Waring, Edward H. (See Edmunds, H. M., and Waring.)
- Waring, Ethel B., Ithaca, N. Y. Dictionary and educational game. 1,755,853; Apr. 22.
- Waring, Horace, Lancashire, assignor to Associated Lead Manufacturers Limited, London House, London, England. Apparatus for collecting suspended dust. 1,761,377; June 3.
- Waring, Spencer W. (See Pfeifer, Ferdinand A., assignor.)
- Waring, William G., Webb City, Mo. Utilization of galvanizer's waste. 1,780,323; Nov. 4.
- Wariner, Joseph L., Salem, Oreg. Heating system for chicken brooders and poultry houses. 1,780,052; Oct. 28.
- Warluzel, Charles, Paris, France. Apparatus for measuring pressures. 1,751,375; Mar. 18.
- Warman, Harry, assignor to The Vitrified Iron Products Company, Clyde, Ohio. Drain pan. 1,742,886; Jan. 7.
- Warnatz, Curt. (See Zickerow, K., and Warnatz.)
- Warnecke, Charles W., Maywood, N. J. Coal chute for delivery wagons. 1,758,208; May 13.
- Warner Aircraft Corporation, The. (See Warner, William O., assignor.)
- Warner, Albert C. (See Cadman, A. B., and Warner.)
- Warner, Arthur P., Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Forming magnetic elements. 1,775,981; Sept. 16.
- Warner Bros. Pictures, Inc. (See Ball, George N., assignor.)
- Warner, Charles W., Middletown, Conn. Automatic boat bailer. 1,779,456; Oct. 28.
- Warner, Clare. (See Welch, D. M., and Warner.)
- Warner, Clarence. (See Campbell, J. G., and Warner.)
- Warner, Clarence. (See Hull, H. B., and Warner.)
- Warner, Clarence. (See Kellholtz, L. S., and Warner.)
- Warner, Clarence, Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,768,647; July 1.
- Warner, Clarence, assignor to Delco Light Company, Dayton, Ohio. Water system. 1,786,468; Dec. 30.
- Warner Corporation, The. (See Collins, John L., assignor.)
- Warner Corporation, The. (See Lietzke, Henry R., assignor.)
- Warner, Dan D., Jamestown, N. Dak. Box-shaped cage rat trap. 1,760,729; May 27.
- Warner, Douglas K., Bristol Conn. Apparatus for manufacturing ice. 1,760,972; June 3.
- Warner, Douglas K., Bristol, Conn. Float-controlled valve. 1,761,000; June 3.
- Warner Electric Brake Corporation. (See Cadman, Addl B., assignor.)
- Warner Electric Brake Corporation. (See Cadman, A. B., and Warner, assignors.)
- Warner Electric Brake Corporation. (See Warner, Arthur P., assignor.)
- Warner Electric Brake Corporation. (See Whyte, John, assignor.)
- Warner, Frederick D., Middletown, N. Y. Parachute deflatter. 1,777,685; Oct. 7.
- Warner Gear Company. (See Fishburn, Otto E., assignor.)
- Warner Gear Company. (See White, Samuel O., assignor.)
- Warner, Harry B., Hagerstown, Md. Radio cabinet. Des. 82,464; Nov. 4.
- Warner, Harry C., Kansas City, Mo. Combination container and display device. 1,787,222; Dec. 30.
- Warner, Horace J., St. Paul, Minn. Support for blade holders. 1,770,538; July 15.
- Warner, Irving, Wilmington, Del. Shipping container. 1,750,074; Mar. 11.
- Warner Jewelry Case Company. (See Warner, Rudolph J., assignor.)
- Warner, John C., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,756,893; Apr. 29.
- Warner, Joseph R., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Lubricator. 1,161,097; June 3.
- Warren, Julian K., Saucier, Miss. Lock. 1,786,511; Dec. 30.
- Warner, Lawrence E., New Hartford, assignor to Savage-De Remer Corporation, New York, N. Y. Temperature control. 1,765,387; June 24.
- Warner, Le Roy J. (See Austin, M. M., and Warner.)
- Warner, Lucy B. (See Wilmot, William F., assignor.)
- Warner Mfg. Co. (See Cadman, Addl B., assignor.)
- Warner, Maurice L., assignor to Dover Manufacturing Company, Dover, Ohio. Terminal post for electric appliances. 1,769,325; July 1.
- Warner, Noah L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-building method and apparatus. 1,769,404; July 1.
- Warner, Rudolph J., assignor to Warner Jewelry Case Company, Buffalo, N. Y. Jewelry box. 1,769,247; July 1.
- Warner, Sotorious D., Cincinnati, Ohio. Toy parachute. 1,775,299; Sept. 9.
- Warner & Swasey Company, The. (See Bayer, Julius L., assignor.)
- Warner & Swasey Company, The. (See Bayer, J. L., and Van Hamersveld, assignors.)
- Warner & Swasey Company, The. (See Burger, William J., assignor.)
- Warner & Swasey Company, The. (See Cook, Hal L., assignor.)
- Warner & Swasey Company, The. (See Van Hamersveld, John J. N., assignor.)
- Warner & Swasey Company, The. (See Van Hamersveld, J. J. N., De Graff, and Cole, assignors.)
- Warner, Willard, Sacramento, assignor of one-half to J. N. Burroughs, Oakland, Calif. Ironing-machine attachment. 1,765,040; June 17.
- Warner, William O., Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Co. Inc. Cam-shaft driving mechanism for internal-combustion engines. 1,743,173; Jan. 14.
- Warner, William O., assignor to The Warner Aircraft Corporation, Detroit, Mich. Cylinder and head connection for internal-combustion engines. 1,762,370; June 10.
- Warnick, Philip, Elizabeth, N. J. Window screen. 1,756,496; Apr. 29.
- Warnken, Richard W., New York, N. Y. Railroad spike. 1,761,854; June 3.
- Warnock, Charles S., Los Angeles, Calif. Ventilator for vehicles. Des. 82,645; Nov. 25.
- Warnock, Wallace S. (See Bryant, G. F., and Warnock.)
- Warnock, Wallace S., Chicago, Ill. Printing-press bed. 1,752,767; Apr. 1.
- Warnock, Wallace S., Chicago, Ill. Printer's register hook. 1,764,062; June 17.
- Warp, Harold, Chicago, Ill. Waterproof fabric and making the same. 1,769,611; July 1.
- Warp Compressing Machine Company. (See Javery, Frank B., assignor.)
- Warp Compressing Machine Company. (See Remington, Arthur L., assignor.)
- Warp Twisting-In Machine Company. (See Becker, John H., assignor.)
- Warp Twisting-In Machine Company. (See Klein, Frederick, assignor.)
- Warr, Harold G., Park Ridge, assignor to The P. & M. Company, Chicago, Ill. Rail anchor. 1,780,412; Nov. 4.
- Warren, Anton. (See Erickson, E., and Warren.)
- Warren Brothers Company. (See Perkins, George H., assignor.)
- Warren, Charles C., Chickasha, Okla. Aeroplane. 1,748,811; Feb. 25.
- Warren City Tank & Boiler Co., The. (See Patterson, John F., assignor.)
- Warren, Clarence G., Kellyville, assignor to G. Krell, Sapulpa, Okla. Tool-dressing apparatus. 1,753,843; Apr. 8.
- Warren, Ernest, Peoria, Ill. Support for containers. 1,747,408; Feb. 18.
- Warren, George E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,779,509; Oct. 28.

- Warren, George E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,779,996; Oct. 28.
- Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Turbo-generator installation. 1,756,894; Apr. 29.
- Warren, Harold, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stock-fitting machine. 1,746,329; Feb. 11.
- Warren, Harold, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Scouring machine. 1,754,292; Apr. 15.
- Warren, Harry, Chicago, Ill. Gladstone bag. 1,769,976; July 8.
- Warren, Harry L., Alhambra, Calif. Domestic incinerator. 1,758,487; May 13.
- Warren, Harry R., assignor to Warren-Teed Seed Company, Chicago, Ill. Treating alfalfa, clover, and other hard-shelled seeds to promote prompt germination and remove weed seeds therefrom. 1,756,497; Apr. 29.
- Warren, Henry E., Ashland, Mass., assignor to General Electric Company. Indicating mechanism. 1,743,741; Jan. 14.
- Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Electric clock system. 1,767,949; June 24.
- Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Motor rotor. 1,768,386; June 24.
- Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Electric clock system. 1,768,431; June 24.
- Warren, Jay F., Detroit, assignor to R. T. Romine, Mount Clemens, Mich. Portable stack lifter. 1,745,051; Jan. 28.
- Warren, John R., assignor of one-half to A. Brechting, Grand Rapids, Mich. Spring retainer. 1,749,552; Mar. 4.
- Warren, John W., Elk City, Okla. Toilet cabinet. 1,772,619; Aug. 12.
- Warren, Mahala, Wetumka, Okla. Valentine envelope. Des. 82,863; Dec. 16.
- Warren Manufacturing Company, The. (See Seiler, Joseph L., assignor.)
- Warren, Roscoe F., Los Angeles, Calif. Pack tree and harness. 1,767,630; June 24.
- Warren, Simon L., Quincy, Mass. Upholstery attachment. 1,754,921; Apr. 15.
- Warren, Simon L., Quincy, Mass. Upholstery-spring-attaching device. 1,763,077; June 10.
- Warren, Simon L., Quincy, Mass. Upholstery-frame attachment. 1,767,631; June 24.
- Warren, Simon L., Quincy, Mass. Upholstery-frame attachment. 1,767,632; June 24.
- Warren-Teed Seed Company. (See Kellogg, John L., assignor.)
- Warren-Teed Seed Company. (See Warren, Harry R., assignor.)
- Warren Telechron Company. (See Frankl, Paul T., assignor.)
- Warren Telechron Company. (See Goff, Errol W., assignor.)
- Warren Telechron Company. (See Warren, Henry E., assignor.)
- Warren, Thomas R., Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Automatic control of turbo-alternators. 1,780,691; Nov. 4.
- Warren, Virgil P., Atlanta, Ga. Refrigerator-display-case construction. 1,782,523; Nov. 25.
- Warren, William E., Berkeley, assignor, by mesne assignments, to Krimwire Company, Oakland, Calif. Wire-mesh reinforcement. 1,769,361; July 1.
- Warren, W. Goulding. (See Johnson, Alvin L., assignor.)
- Warriner, John T., Richmond, Va. Tie-plate. 1,778,649; Oct. 14.
- Warren, William H. (See Miller, Frederick C., assignor.)
- Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 80,592; Feb. 25.
- Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 80,817; Mar. 25.
- Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 80,818; Mar. 25.
- Warrenfeltz, John P., Elyria, Ohio. Tree pruner. 1,765,187; June 17.
- Warsen, August W., Brooklyn, N. Y. Paper-cutting machine. 1,744,818; Jan. 28.
- Warshaw, Nathaniel, Mattapan, assignor of twenty-five per cent to A. L. Lewis, Newton Center, and twenty-five per cent to F. J. Shepard, Jr., Auburndale, Mass. Oiling system for motors. 1,770,149; July 8.
- Warsitz, Robert, Hattingen-Ruhr, Germany. Industrial furnace. 1,757,492; May 6.
- Warsop, Henry E., Nottingham, and F. W. Gough, Grimsby, England. Machines for emulsifying bitumen, other materials, and the like. 1,757,065; May 6.
- Wartchow, Albert H., Oakland, Calif. Folding bed. 1,747,409; Feb. 18.
- Wartmann, Karl, Atlantic City, N. J. Signal. 1,758,546; May 13.
- Warwick China Company. (See Kane, Bernard N., assignor.)
- Warwick China Company. (See McQuillan, Brian, assignor.)
- Warwick China Company. (See Pestinger, August L., assignor.)
- Warwick, George, Birmingham, England. Manufacture of the rims of motor-vehicle steering wheels. 1,753,586; Apr. 8.
- Wasbauer, Alfred, Berkeley, Calif., assignor, by mesne assignments, to Wise Patent and Development Company, New York, N. Y. Three-speed constant-mesh-gear electric motor transmission. 1,773,699; Aug. 19.
- Wasberg, Axel, and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Bracing means for house cars. 1,742,292; Jan. 7.
- Wasberg, Axel, and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Door construction. 1,746,569; Feb. 11.
- Wasberg, Axel, and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Door-lifting means. 1,750,653; Mar. 18.
- Wascher, William H., Flint, Mich. Indicating device. 1,745,463; Feb. 4.
- Waschnack, Adolf, Neu Finkenkrug, near Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. Re17,703; June 17.
- Waseige, Charles R., Ruell, assignor to Henri et Maurice Farman, Billancourt, France. Steering mechanism for motor vehicles. 1,752,624; Apr. 1.
- Waseluk, Jacob, assignor to Morgan and Wright, Detroit, Mich. Apparatus for treating rubber articles. 1,762,846; June 10.
- Washburn Company. (See Andrews, Charles, jr., assignor.)
- Washburn Company, The. (See Glenny, Clarence S., assignor.)
- Washburn Company, The. (See Hobbs, Samuel T., assignor.)
- Washburn, Richard C., assignor to Montgomery-Washburn Company, Saugerties, N. Y. Heat-insulating jacket. 1,753,813; Apr. 8.
- Washburn, Walter B. C., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Distributing device. 1,753,957; Apr. 8.
- Washburne, Arthur L., assignor to Sparkletts Bottled Water Corporation, Los Angeles, Calif. Bottle-cleansing machine. 1,780,772; Nov. 4.
- Washburne, William H., Aurora, Ill. Deceleration indicator. 1,779,685; Oct. 28.
- Washington, Bowden. (See Hoyt, H. L., jr., and Washington.)
- Washington, Bowden, New York, N. Y., assignor to Remotrole Corporation. Radioreceiver. 1,746,688; Feb. 11.
- Washington, Bowden, New York, and W. Aull, jr., Astoria, N. Y., assignors to Remotrole Corporation. Radioreception. 1,746,689; Feb. 11.
- Washington, Bowden, New York, and W. Aull, jr., Astoria, N. Y., assignors to Remotrole Corporation. Control system for radioreceivers. 1,746,690; Feb. 11.
- Washington, Bowden, assignor of one-half to R. S. Allyn, New York, N. Y. Attachment for electric amplifiers. 1,771,323; July 22.
- Washington, Bowden, assignor of one-half to H. L. Hoyt, jr., New York, N. Y. Double demodulation receiver. 1,774,493; Aug. 26.
- Washington, Bowden, New York, N. Y., assignor to Union Hardware Company, Torrington, Conn. Golf club. 1,787,415; Dec. 30.
- Washington, Dixon E., Kansas City, Mo. Automatic stop. 1,749,172; Mar. 4.
- Washington Fuel Burning Engine Corporation et al. (See Robey, Edward B., assignor.)
- Washington, George T., Russell, Ky. Filing cabinet. 1,784,166; Dec. 9.
- Washington, Lawrence D., Houston, Tex. Nasal distender. 1,743,993; Jan. 14.
- Washington, Lee S. (See Thomason, J. J., Washington, and May.)
- Washington Mold, Machine & Foundry Co. (See Bromley, William J., assignor.)
- Wasilkowski, Franciszek, Lwow, Poland. Shelter or shed for aircraft. 1,773,656; Aug. 19.
- Wasleff, Alex, Chicago, Ill. Herringbone flooring. 1,787,027; Dec. 30.
- Wasmuth, Augustus F., Huntington, assignor to Wasmuth-Endicott Company, Andrews, Ind. Door with hinge. 1,785,661; Dec. 16.
- Wasmuth-Endicott Company. (See Wasmuth, Augustus F., assignor.)
- Wasmuth-Goodrich Company. (See Hughes, Earl V., assignor.)
- Wassell, Frank L., and R. R. Jones, Edgewood, Pa. Index-filing device. 1,745,651; Feb. 4.
- Wassell, Harry B., trustee. (See Hawk, Ernest D., assignor.)
- Wasserfallen, Charles F., assignor, by mesne assignments, Watchek.)
- Wasson, Harry C., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Safety-stop apparatus for engines. 1,787,223; Dec. 30.
- Wasson, Joseph C., Pittsburgh, Pa., assignor to Pennsylvania Lubricating Company. Hot-joint compound. 1,770,187; July 8.
- Wasson, Robert B. (See Chatillon, G. E., and Wasson.)

- Wasson, Robert B., Cranford, N. J. Apparatus and method for testing gases. 1,753,675; Apr. 8.
- Wasylenko, Eugene, Mount Carmel, Pa. Film developing and printing device. 1,755,041; Apr. 15.
- Watchek, Harry A. (See Johnston, E. A., Merwin, and Watchek.)
- Watchek, Harry A. (See Raney, C. R., Merwin, and to Detroit and Security Trust Company, Detroit, Mich. Carrier for disk wheels. 1,759,212; May 20.
- Waterbury Brass Goods Corporation, The. (See Miner, Anson W., assignor.)
- Waterbury Buckle Company. (See Kinch, Earl L., assignor.)
- Waterbury Buckle Company. (See La Vigne, Jerome R., assignor.)
- Waterbury Button Company, The. (See Wolcott, Robeson B., assignor.)
- Waterbury-Erwin Corporation. (See Waterbury, James L., assignor.)
- Waterbury Farrel Foundry and Machine Company, The. (See Candee, Zenas P., assignor.)
- Waterbury Farrel Foundry and Machinery Company, The. (See Wilcox, Richard L., assignor.)
- Waterbury, James L., St. Petersburg, Fla., assignor to Waterbury-Erwin Corporation, Springfield, Ohio. Register fan. 1,743,994; Jan. 14.
- Waterbury, Neil M. (See Lauenstein, C. F., and Waterbury.)
- Waterbury Tool Company, The. (See Crain, John J., assignor.)
- Waterbury Tool Company, The. (See Ellis, Arthur L., assignor.)
- Waterbury Tool Company, The. (See Francis, Daniel R., assignor.)
- Waterbury, Webster E., Schodack, N. Y. Plotting device. 1,767,026; June 24.
- Waterfall, Harold, New York, N. Y. Antisplash tire. 1,757,754; May 6.
- Waterhouse, George H., Providence, R. I. Clasp for articles of jewelry. 1,771,427; July 29.
- Waterhouse, Herbert. (See Beckinsale, S., and Waterhouse.)
- Waterloo, Paul G., Madera, Pa. Temperature-indicating device. 1,785,662; Dec. 16.
- Waterman, Fred W., Jr., assignor to National Radiator Corporation, Johnstown, Pa. Humidifying apparatus. 1,776,461; Sept. 23.
- Waterman, L. E., Company. (See Ferris, William I., assignor.)
- Waterman, L. E., Company. (See Larsen, Gabriel, assignor.)
- Waterman, L. E., Company. (See Liddell, Robert C., assignor.)
- Waterman, Max L. (See Fleckenstein, G. A., Hanf, and Waterman.)
- Waterman, Max L., Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary-hook mechanism for sewing machine. 1,750,447; Mar. 11.
- Waterman, Oscar C., assignor to Swift & Company, Chicago, Ill. Cleaning animal intestines. 1,745,564; Feb. 4.
- Waterman, Russell R., Long Beach, Calif., assignor to Farmers' National Bank of Greenville, Ohio, trustee, Greenville, Ohio. Cooling-fan mechanism. 1,767,027; June 24.
- Waterman, Russell R., Long Beach, Calif., assignor to Farmers' National Bank, Greenville, Ohio, Greenville, Ohio. Circulating-pump-shaft bearing apparatus. 1,770,053; July 8.
- Waterman, Waldo D., Santa Monica Canyon, Calif. Aeroplane control. 1,7835,29; Dec. 2.
- Waterman, William W., Tulsa, Okla. Animal trap. 1,750,075; Mar. 11.
- Waterproof Pocket Corporation. (See Paull, S., and Mandeltort, assignors.)
- Waters, Arthur C., New South Wales, Australia. Combustibly-destructible mold core. 1,775,576; Sept. 9.
- Waters, Charles B. (See Steindler, Leslie L., assignor.)
- Waters, Charles H., Olympia, assignor to Dumas National Chemical Company, Lacey, Wash. Explosive. 1,786,046; Dec. 23.
- Waters, Edward T., Omaha, Nebr. Adjusting-rod-locking means. 1,757,787; May 6.
- Waters, Harry E., St. Louis, Mo. Apparel collar. 1,777,421; Oct. 7.
- Waters, Harry F., St. Louis, assignor to Magnetic Organ Action Company, University City, Mo. Valve action for pipe organs. 1,767,724; June 24.
- Waters, Harry F., St. Louis, and V. R. Brown, assignors to Magnetic Organ Action Company, University City, Mo. Magnetic action for pipe organs. 1,753,323; Apr. 8.
- Waters, Harry F., and V. R. Brown, St. Louis, assignors to Magnetic Organ Action Company, University City, Mo. Electromagnet. 1,767,725; June 24.
- Waters, Michael, Sioux City, Iowa. Channel-forming device for silt-carrying rivers. 1,765,041; June 17.
- Waters, Millard F., assignor to Smith Separator Company, Tulsa, Okla. Oil and gas separator. 1,752,215; Mar. 25.
- Waters, Millard F., assignor to Smith Separator Company, Tulsa, Okla. Oil and gas separator. 1,779,023; Oct. 21.
- Waters, Morris. (See Waters, Robert and M.)
- Waters, Robert and M., New York, N. Y. Filter. 1,775,982; Sept. 16.
- Waters, Roy M., Haines City, assignor of one-half to J. L. Myers, Sebring, Fla. Tractor wheel. 1,775,008; Sept. 2.
- Watertite Casement Hardware Co. (See Cummings, Earle W., assignor.)
- Watertown Table-Slide Company. (See Drew, Herbert H., assignor.)
- Waterworth, Eric N., West Hobart, Australia. Talking machine. 1,781,617; Nov. 11.
- Waterworth, Robert J., assignor to L. M. Studevant, Sidney, Ohio. Rear-end separator for paper feeders. 1,744,846; Jan. 28.
- Watkin, Bertram L., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Wall bracket. Des. 82,354; Oct. 21.
- Watkins, Albert B., Los Angeles, Calif. Combined fishing and swaging tool. 1,764,481; June 17.
- Watkins, Benjamin F., assignor to Electric Cotton Picker Co., Inc., Philadelphia, Pa. Cotton picker. 1,751,376; Mar. 18.
- Watkins, Clayton S., Amarillo, Tex. Muffler for internal-combustion engines. 1,760,924; June 3.
- Watkins, Francis B. (See Darrow, M. S., Hart, Grone-meyer, and Watkins.)
- Watkins, Griffin. (See Neeley, George S., assignor.)
- Watkins, Harold F., Oakland, assignor to Watkins Intermittent Pump Co., San Francisco, Calif. Well pump. 1,744,938; Jan. 28.
- Watkins Intermittent Pump Co. (See Watkins, Harold F., assignor.)
- Watkins, John E. (See Garbut, A. E., Cochrane, and Watkins.)
- Watkins, Julian E., Navasota, Tex. Cotton harvester. 1,763,607; June 10.
- Watkins, Parke H., Leonia, N. J., assignor to Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn. Rubberized handwear. 1,769,977; July 8.
- Watkins, William E., Clearlake Highlands, Calif. Overalls with detachable pockets. 1,764,483; June 17.
- Watkins, William E., assignor to Copper Plate Sheet and Tube Company, New York, N. Y. Production of metal films. 1,766,417; June 24.
- Watkins, William O. T., Little Rock, Ark. Slide for playgrounds. 1,774,045; Aug. 26.
- Watling, Burns S., Chicago, Ill. Combined duty and thrust bearing. 1,763,840; June 17.
- Watling, Burns S., Chicago, Ill. Display apparatus. 1,763,841; June 17.
- Watling, John B., assignor to T. W. B. Watling, Chicago, Ill. Amusement device. 1,785,848; Dec. 23.
- Watling, Thomas W. B. (See Watling, John B., assignor.)
- Watling, Thomas W. B., Chicago, Ill. Casing for weighing scale. Des. 82,864; Dec. 16.
- Watling, Thomas W. B., Chicago, Ill. Combination scale and fortune-telling machine. 1,774,622; Sept. 2.
- Watling, Thomas W. B., Chicago, Ill. Amusement apparatus. 1,763,839; June 17.
- Watling, Thomas W. B., Chicago, Ill. Weighing scale. 1,785,849; Dec. 23.
- Watlow Electric Mfg. Co. (See Desloge, Louis, assignor.)
- Watrous, Clifford M., assignor to Gong Bell Manufacturing Company, East Hampton, Conn. Wheel for toys. 1,743,944; Jan. 14.
- Watrous, Earl G., Chicago, Ill. Lavatory. Des. 82,200; Sept. 30.
- Watrous, Roy E., Evanston, Ill. Air cleaner. 1,762,493; June 10.
- Watson, Alexander H. (See van Ee, W., and Watson.)
- Watson, Alfred E., and F. Plutte, London, England. Carton for packing reels of wire and the like. 1,756,771; Apr. 29.
- Watson, Charles L., Strawn, Tex. Radio dial and log. 1,764,814; June 17.
- Watson, Charles W., St. Kilda, Victoria, Australia. Method and apparatus for centrifugally producing structures of plastic material deviating from straight form. 1,774,192; Aug. 26.
- Watson, Claude W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oil. 1,744,599; Jan. 21.
- Watson, Claude W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,780,286; Nov. 4.
- Watson Company, The. (See Straker, Joseph E., assignor.)
- Watson, Edward F., Larchmont, and B. S. Swezey, Floral Park, N. Y., assignors to American Telephone and Telegraph Company. Tape cutting and pasting device. 1,742,293; Jan. 7.
- Watson, Ernest, Wauwatosa, Wis. Railway-crossing signal. 1,748,965; Mar. 4.
- Watson, Frank. (See Stubbs, H. R., and Watson.)
- Watson, Frederick W., et al. (See Lockman, Christopher F., assignor.)
- Watson, Frederick W., Cleveland Heights, Ohio. Batten clamp. 1,785,400; Dec. 16.
- Watson, George, Beaconsfield, British Columbia, Canada. Locking device. 1,752,824; Apr. 1.
- Watson, George R., assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Well-drilling apparatus. 1,750,826; Mar. 18.
- Watson, Harold L., assignor, by mesne assignments, to American Incubators, Inc., New Brunswick, N. J. Method of and apparatus for controlling the temperature of mammoth incubators. 1,758,017; May 13.
- Watson, Harvey L., Mount Pleasant, Iowa. Animal hople. 1,786,375; Dec. 23.

- Watson, Hugh W., Seattle, Wash., assignor to Perwatco Manufacturing Co., Crete, Nebr. Mold. 1,785,797; Dec. 23.
- Watson, John A., and L. E. Miller, Paxton, Ill.; said Miller assignor to said Watson. Friction-testing device for rotating members. 1,775,075; Sept. 2.
- Watson, John A., and L. E. Miller, Paxton, Ill.; said Miller assignor to said Watson. Friction-testing device for rotating members. 1,775,076; Sept. 2.
- Watson, John C., Attleboro, Mass., assignor to B. B. & R. Knight Corporation, Providence, R. I. Cross-dyeing cellulose fabrics. 1,757,066; May 6.
- Watson, John F., Abbey Wood, P. V. Hunter, London, and A. E. Wilson, Bromley, England. Electric cable. 1,743,506; Jan. 14.
- Watson, John F., Abbey Wood, V. Hunter, London, and A. E. Wilson, Bromley, England. Electric cable. 1,757,030; May 6.
- Watson, John G. (See Cline, H. P., Scheinberg, and Watson.)
- Watson, John M., Shell, Wyo. Az. 1,752,129; Mar. 25.
- Watson, John W., Wayne, Pa. Multiple-leaf spring. 1,759,722; May 20.
- Watson, John Warren, Company. (See Dunning Leighton, assignor.)
- Watson, Lawrence R., assignor to M. & M. Sales Mfg. Co., Inc., Portland, Oreg. Hydraulic force cup. 1,768,178; June 24.
- Watson, Leon A., assignor to The Clark Controller Company, Cleveland, Ohio. Controller construction. 1,748,159; Feb. 25.
- Watson Machine Company, The. (See Van Hook, Charles F., assignor.)
- Watson, Matthew S., assignor of one-half to Colonial Motor Coach Corporation, Watertown, N. Y. Protective device for vehicle windows. 1,745,652; Feb. 4.
- Watson, Orville C., Skiatook, Okla. Thief-hole cover. 1,753,394; Apr. 8.
- Watson, Richard M., Detroit, Mich. Combined base and back structure for loose-leaf binders and forming the same. 1,771,104; July 22.
- Watson, Robert, Rosslyn, Va. Indicating traffic delays of automobiles. 1,745,284; Jan. 28.
- Watson-Stillman Co., The. (See Davis, Frank L., Jr., assignor.)
- Watson-Stillman Co., The. (See Updegraff, William B., assignor.)
- Watson, Thomas A., Toronto, Ontario, Canada. Sight for firearms. 1,760,389; May 27.
- Watson, Thomas A., Toronto, Ontario, Canada. Sight for firearms. 1,770,445; July 15.
- Watson, Thomas J., Short Hills, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Time-recording system for signals. 1,777,867; Oct. 7.
- Watson, William H., Cuthbert, Ga. Conveyor apparatus. 1,771,006; July 22.
- Watson, William N. (See Stevens, R. H., Norris, and Watson.)
- Watson, William T., Vancouver, British Columbia, Canada. Wheeled toy. 1,777,237; Sept. 30.
- Watson, William W., Jamestown, N. Y. Screen. 1,765,388; June 24.
- Watt, Elihu D., La Grange, and G. W. Conover, Chicago, assignors to The Conover Company, Chicago, Ill. Dish-washing machine. 1,783,349; Dec. 2.
- Watt, James A. D., London, England. Safety-razor handle. 1,749,051; Mar. 4.
- Watt, James A. D., London, England. Shaving brush. 1,749,052; Mar. 4.
- Watt, James A. D., London, England, assignor to Super Razors Incorporated, New York, N. Y. Combined container and stropping device for razors. 1,780,053; Oct. 28.
- Watt, John A., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company. Apparatus for drawing sheet glass. 1,754,844; Apr. 15.
- Watt, Sern P. (See Greaves, F. G., and Watt.)
- Watt, William R., Wilmington, Del. Aeroplane hanger. 1,780,102; Oct. 28.
- Watters, Albert E., and H. E. Harbo, Minneapolis, Minn. Spraying device. 1,769,046; July 1.
- Watters, Alex., Chicago, Ill. Tire-pressure gauge. 1,742,740; Jan. 7.
- Watters, Kenneth J., Ocheyedon, Iowa. Fuel pump. 1,787,346; Dec. 30.
- Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread-controlling device for loom magazines. 1,760,925; June 3.
- Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Brake-controlling mechanism for looms. 1,766,862; June 24.
- Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Attachment for reversible dobby heads. 1,786,687; Dec. 30.
- Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Multicolor magazine for looms. 1,786,688; Dec. 30.
- Wattles, George W., Jr., Pittsburgh, Pa. Safety device for airplanes. 1,775,415; Sept. 9.
- Wattmann, John, Berlin-Lankwitz, Germany. Alumino-thermic welding. 1,771,472; July 29.
- Watts, Aaron P., Los Angeles, Calif. Coil-bending tool. 1,755,571; Apr. 22.
- Watts, Cleal T., and F. N. Bay, Albia, Iowa. Internal combustion engine. 1,780,854; Nov. 4.
- Watts, George W., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Steam lift. 1,775,478; Sept. 9.
- Watts, Elmer A., Springfield, Ohio. Pumping apparatus. 1,744,087; Jan. 21.
- Watts Fincham and Company. (See Downs, John, assignor.)
- Watts, George W., Whiting, assignor to Standard Oil Co. of Indiana, Whiting, Ind. Tar separator. 1,781,618; Nov. 11.
- Watts, George W., P. L. Krauel, and T. E. Stockdale, assignors to Standard Oil Company, Whiting, Ind. Distillation of hydrocarbon oils. 1,784,561; Dec. 9.
- Watts, James R., New Castle, Del., assignor to American Manganese Steel Company, Chicago, Ill. Dipper tooth. 1,783,350; Dec. 2.
- Watts, John S., West Chester, Pa. Liquid-mixing device. 1,763,335; June 10.
- Watts, John T., Chicago, Ill. Extensible electric conductor. 1,754,072; Apr. 8.
- Watts, Leo E., assignor to J. F. Holtzen, Enid, Okla. Ironing board. 1,784,715; Dec. 9.
- Watts, Noble H., Oakland, Calif., assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Attachment plug cap. 1,778,615; Oct. 14.
- Watts, Oscar J., Kensington, Kans. Merry-go-round. 1,755,940; Apr. 22.
- Watts, Warren S., assignor to Eskimo Pie Corporation, Louisville, Ky. Vacuum-jar-protective device. 1,778,408; Oct. 14.
- Watts, Warren S., Louisville, assignor to Arlette, Inc., Louisville, Ky. Hair-waving wrapper. 1,786,881; Dec. 30.
- Watzl, Ernst J., East Cleveland; M. C. Watzl, trustee for said Ernst J. Watzl, missing, assignor of one-half to H. J. Trenkamp, Cleveland Heights, Ohio. Feeding and conveying apparatus. 1,755,618; Apr. 22.
- Watzl, Marie C., trustee. (See Watzl, Ernst J.)
- Waugh, Edward H. (See Oates, N. L., and Waugh.)
- Waugh Equipment Company. (See O'Brien, Richard J., assignor.)
- Waukesha Motor Company. (See De Long, James E., assignor.)
- Waukesha Motor Company. (See Fisher, James B., assignor.)
- Waukesha Motor Company. (See Horning, Harry L., assignor.)
- Waukesha Motor Company. (See Pope, Arthur W., Jr., assignor.)
- Wausau Iron Works. (See Heinzen, Anton C., assignor.)
- Waverly Muscial Products Company. (See Sparkes, John G., assignor.)
- Wawrousek, Robert E., Brooklyn, N. Y. Combined automobile radiator and lamp casings. Des. 82,009; Sept. 9.
- Wayland, Hubert E., South Knoxville, Tenn. Plug for electric-light fixtures. 1,777,187; Sept. 30.
- Wayles, Edgar E., East Hartford, Conn. Muffler for burners. 1,783,685; Dec. 2.
- Wayne, Carl D., St. Paul, Minn. Drop cord. 1,786,276; Dec. 23.
- Wayne Company. (See Crawford, Malcolm J., assignor.)
- Wayne Company. (See Geyer, B. F., and Jauch, assignors.)
- Wayne Company. (See Griffin, W. M., and Jauch, assignors.)
- Wayne Company. (See Griffin, W. M., and Merriman, assignors.)
- Wayne Company. (See Hitzeman, Arnold P., assignor.)
- Wayne Company. (See Robertson, Edwin A., assignor.)
- Wayne, Glenn H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Apparatus for producing cap screws and the like. 1,748,503; Feb. 25.
- Wayne Home Equipment Company, The. (See Robertson, Edwin A., assignor.)
- Wayne Manufacturing Company. (See Bauman, Frank, assignor.)
- Wayne Novelty and Publishing Company. (See Bitner, John S., assignor.)
- Wayne Pump Company, The. (See Byron, Charles L., assignor.)
- Wayne Pump Company, The. (See Cleary, Andrew W., assignor.)
- Wayne Pump Company, The. (See Delanoy, F. W., and Deutsch, assignors.)
- Wayne Pump Company, The. (See Deutsch, Leo, assignor.)
- Wayne Pump Company, The. (See Deutsch, L., and Gernung, assignors.)
- Wayne Pump Company, The. (See MacMillen, William C., assignor.)
- Wayne Pump Company, The. (See Parker, Walter H., assignor.)
- Wayne Pump Company, The. (See Townsend, William S., assignor.)
- Wayne Pump Company, The. (See Townsend, W. S., and Parker, assignors.)
- Wayne, Truman B. (See Varnau, B. H., and Wayne.)
- Weamer, Paul M., Gladwyne, Pa., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Toy figure. Des. 80,979; Apr. 15.
- Weamer, Paul M., Gladwyne, Pa., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Toy figure. Des. 80,980; Apr. 15.

- Weamer, Paul M., Gladwyne, Pa., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Toy figure. Des. 80,981; April 15.
- Weamer, Paul M., Gladwyne, Pa., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Toy figure. Des. 80,982; Apr. 15.
- Weamer, Paul M., Gladwyne, Pa., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Toy figure. Des. 80,983; Apr. 15.
- Weamer, Paul M., Gladwyne, Pa., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Toy figure. Des. 80,984; Apr. 15.
- Weamer, Paul M., Gladwyne, Pa., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Toy figure. Des. 80,985; Apr. 15.
- Wear, Tandy R., Colton, Calif., assignor, by mesne assignments, to W. H. Miner, Inc. Door fastener. 1,743,839; Jan. 14.
- Wearham, Gordon A., London, England. Display apparatus and operating the same. 1,780,773; Nov. 4.
- Wearham, Gordon A., London, England. Display apparatus and operating the same. 1,782,328; Nov. 18.
- Wearn, James S., assignor to Wearn's Automatic Drive Company, Limited, Christchurch, New Zealand. Belt-driven power-transmission appliance. Re17,698; June 10.
- Wearn's Automatic Drive Company, Limited. (See Wearn, James S., assignor.)
- Weatherhead, Albert J., jr., Cleveland, Ohio. Valve. 1,743,413; Jan. 14.
- Weatherhead, Albert J., jr., Cleveland, Ohio. Controlling device. 1,750,697; Mar. 18.
- Weatherproof Products Company, The. (See Stryker, George B., jr., assignor.)
- Weatherly, John R., assignor of one-half to T. M. Chandler, Sumter, S. C. Animal trap. 1,779,300; Oct. 21.
- Weathers, Eathelbert W., San Diego, Calif. Vehicle wheel. 1,747,560; Feb. 18.
- Weathers, Eathelbert W., San Diego, Calif. Support for vehicle prime movers. 1,747,561; Feb. 18.
- Weathersby, Jeff D., New Orleans, La. Coffee roaster. 1,742,978; Jan. 7.
- Weaver, Albert, Bird City, Kans. Weed cutter. 1,743,296; Jan. 14.
- Weaver, Allan, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Electrical transmission of pictures. 1,783,321; Dec. 2.
- Weaver, Cora P., Alhambra, Calif. Automobile curtain. 1,780,257; Nov. 4.
- Weaver, Earl D., Halfway, and C. A. Cobb, Detroit, Mich. Stock remover. 1,757,067; May 6.
- Weaver, Eastman A., Brookline, Mass., assignor, by mesne assignments, to Stator Refrigeration, Inc. Refrigerating system. 1,761,551; June 3.
- Weaver, Edgar R., Dayton, Ohio. Rudder and brake control. 1,782,524; Nov. 25.
- Weaver, Edward H., Bluefield, W. Va. Protecting telephone, telegraph, and other service lines against induced currents from adjacent power lines. 1,772,649; Aug. 12.
- Weaver, Eugene L., assignor to Harry B. Carpenter, Los Angeles, Calif. Selling booth. Des. 82,865; Dec. 16.
- Weaver, Fleming R. (See Oglesby, N. E., and Weaver.)
- Weaver, Franklin E. (See Fountain, Lee C., assignor.)
- Weaver, Gailard E., and E. K. Hall, assignors to Weaver Manufacturing Company, Springfield, Ill. Tire changer. 1,748,092; Feb. 25.
- Weaver, Gailard E., and E. W. Kelley, assignors to Weaver Manufacturing Company, Springfield, Ill. Tire-casing spreader. 1,753,035; Apr. 1.
- Weaver, Grant, La Fayette, Ind. Pump. 1,757,885; May 6.
- Weaver, H. D. (See Patty, Charles M., sr., assignor.)
- Weaver, Harry F., Evansville, Ind. Flush tank for toilets. Des. 82,070; Sept. 16.
- Weaver, Harry F., Evansville, Ind. Water-closet bowl. Des. 82,963; Dec. 30.
- Weaver, Harry F., Evansville, Ind. Housing for flush-tank discharge pipes. 1,771,007; July 22.
- Weaver, Ira A., Springfield, Ill. Piston. 1,761,808; June 3.
- Weaver, Ira A., Springfield, Ill. Engine-crank-shaft balancer. 1,777,341; Oct. 7.
- Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. King-pin-testing appliance. 1,761,163; June 3.
- Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Vehicle lifting appliance. 1,773,330; Aug. 19.
- Weaver, James M., Los Angeles, Calif. Lock. 1,772,790; Aug. 12.
- Weaver, James M., Culver City, Calif. Lock. 1,772,791; Aug. 12.
- Weaver, Jesse E. (See Hauger, D. M., Weaver, Wolbert, and Dunn.)
- Weaver, Joseph B., Toledo, Ohio. Flash arrester. 1,778,876; Oct. 21.
- Weaver, Joseph B., Toledo, Ohio, assignor, by mesne assignments, to Gyro Process Company. Treating hydrocarbon oils. Re17,681; May 27.
- Weaver, Joseph B., Chicago, Ill., assignor, by mesne assignments, to Gyro Process Company. Apparatus for treating hydrocarbon oils. 1,763,608; June 10.
- Weaver, Joseph B., R. Stahl, Toledo, Ohio, and C. R. Wagner, Chicago, Ill., assignors to Gyro Process Company, Detroit, Mich. Treating hydrocarbon oils. 1,763,609; June 10.
- Weaver Manufacturing Company. (See Weaver, G. E., and Hall, assignors.)
- Weaver Manufacturing Company. (See Weaver, G. E., and Kelley, assignors.)
- Weaver Manufacturing Company. (See Weaver, Ira A., assignor.)
- Weaver, Marvin S., Aberdeen, N. C. Bottling art. 1,773,291; Aug. 19.
- Weaver, Ralph. (See Manning, George W., assignor.)
- Weaver, Thomas J., Provo, Utah. Nozzle support and spray. 1,767,161; June 24.
- Weaver, William A., Shaker Heights, Ohio. Package of dental supplies. 1,784,646; Dec. 9.
- Weaver, William L., Camden, N. J. Fireproof padding. 1,746,136; Feb. 4.
- Web Engineering Company, The. (See Baker, W. E., and Aland.)
- Webb, Adolphus M., assignor of one-fourth to W. G. Jarrell Machine Company, Charlotte, N. C. Exercising device. 1,784,082; Dec. 9.
- Webb, Earl A., Whitman, Nebr. Automatic train-order and message hoop holder. 1,760,730; May 27.
- Webb, Edwin W. (See Barber, L. W., and Webb.)
- Webb, Ellis, Geneva, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. Y. Shoe-sewing machine. 1,742,797; Jan. 7.
- Webb, Ewing T., Chicago, Ill. Book protector. 1,754,811; Apr. 15.
- Webb, Forrest E., Defiance, Ohio. Power take-off for tractors. 1,765,188; July 17.
- Webb, Frank A. (See Webb, Paul E. and F. A.)
- Webb, George, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Dishwashing machine. 1,762,847; June 10.
- Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Automatic measuring tank. 1,750,978; Mar. 18.
- Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Water-measuring tank. 1,750,979; Mar. 18.
- Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Automatic concrete-mixing machine. 1,753,324; Apr. 8.
- Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Bucket-door-operating mechanism. 1,770,054; July 8.
- Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Automatic flow-control water-measuring tank. 1,778,052; Oct. 14.
- Webb, George F., Hamilton, Ontario, Canada. Turnover toaster. 1,753,541; Apr. 8.
- Webb, George F., Hamilton, Ontario, Canada. Bow-facing oar. 1,759,598; May 20.
- Webb, George H. (See Rosenblatt, A. I., and Webb.)
- Webb, Glenn E., Kansas City, Mo. Water softener. 1,751,671; Mar. 25.
- Webb, Harry E. and T. H., New York, N. Y. Neckwear try form. 1,742,675; Jan. 7.
- Webb, Herbert C., Baltimore County, Md. Combined shelf and folding table. 1,758,726; May 13.
- Webb, Horace D., Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Device for holding uppers in lasted position. 1,776,825; Sept. 30.
- Webb, Irving F. (See Eames, G. M., and Webb.)
- Webb, James A., Buffalo, N. Y. Treating belt leather. 1,765,553; June 24.
- Webb, James M., New Orleans, La. Display cabinet. Des. 81,820; Aug. 12.
- Webb, Jervis B. (See Da Costa, James S., assignor.)
- Webb, Jervis B., Detroit, Mich. Overhead conveyor. 1,759,213; May 20.
- Webb, John B. (See Saurman, A. B., Webb, and Beach.)
- Webb, Joseph, Cincinnati, Ohio. Corn-harvesting apparatus. 1,752,216; Mar. 25.
- Webb, Nelson W., assignor to Eastwood Wire Manufacturing Company, Belleville, N. J. Metallic fabric and forming seams therein. 1,747,272; Feb. 18.
- Webb, Nelson W., assignor to Eastwood Wire Manufacturing Company, Belleville, N. J. Woven wire cloth and forming seams therein. 1,747,273; Feb. 18.
- Webb, Nelson W., assignor to Eastwood Wire Corporation, Belleville, N. J. Woven-wire belt for paper-making machines and forming the same. 1,747,274; Feb. 18.
- Webb, Nelson W., assignor to Eastwood Wire Corporation, Belleville, N. J. Woven-wire belt for paper-making machines. 1,747,275; Feb. 18.
- Webb, Nelson W., assignor to Eastwood Wire Corporation, Belleville, N. J. Woven-wire belt for paper-making machines. 1,747,276; Feb. 18.
- Webb, Paul E. and F. A., Arkansas City, Kans. Making fuel mixtures. 1,746,172; Feb. 4.
- Webb, Powhatan A., Atlanta, Ga. Tobacco-smoking pipe. 1,753,844; Apr. 8.
- Webb, Robert R. (See Jones, J. M., and Webb.)
- Webb, Thomas H. (See Webb, Harry E. and T. H.)
- Webb, Wade F., Oakland, Calif. Applying concrete to tunnels. 1,778,099; Oct. 14.
- Webb, Wade F., Oakland, Calif. Concrete gun. 1,778,100; Oct. 14.

- Webber, Calvin R., assignor to The Packer Manufacturing Co., Inc., New York, N. Y. Carton. Des. 81,675; July 22.
- Webber, Calvin R., assignor to The Packer Manufacturing Co., Inc., New York, N. Y. Carton. Des. 81,676; July 22.
- Webber, Calvin R., assignor to The Packer Manufacturing Co., Inc., New York, N. Y. Bottle. Des. 81,679; July 22.
- Webber, Calvin R., assignor to The Packer Manufacturing Co., Inc., New York, N. Y. Bottle structure. 1,780,728; Nov. 4.
- Webber, Charles E., Pontiac, Ill. Disk-harrow leveler. 1,742,979; Jan. 7.
- Webber, Charles E., Pontiac, Ill. Wheel-lug-cleaning device. 1,774,463; Aug. 26.
- Webber, Charles S., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of mixed esters of cellulose. 1,785,466; Dec. 16.
- Webber, George R., assignor to Polar Vend Corporation, Augusta, Me. Combination vending machine and change tray. 1,761,604; June 3.
- Webber, George R., assignor to Polar Vend Corporation, Augusta, Me. Combined refrigerator and dispensing device. 1,771,199; July 22.
- Webber, George R., assignor to Polar Vend Corporation, Augusta, Me. Distributing machine. 1,777,269; Sept. 30.
- Webber, Robert A., assignor to Brown Company, Berlin, N. H. Method of and apparatus for selecting fiber. 1,786,973; Dec. 30.
- Webber, Roy H., Toronto, Ontario, Canada. Device for babbitting connecting rod or other bearings. 1,748,688; Feb. 25.
- Webber, William. (See Smith, D. W., and Webber.)
- Weber, Adam, assignor to Chicago Eye Shield Company, Chicago, Ill. Baseball mask. 1,775,009; Sept. 2.
- Weber, Adolph B., Wadena, Iowa. Pipe support. 1,760,458; May 27.
- Weber, Carl, Jacksonville, Fla. Concrete revetment. 1,772,821; Aug. 12.
- Weber, Carl, assignor to Shore-Line Builders, Inc., Jacksonville, Fla. Retaining wall. 1,747,038; Feb. 11.
- Weber, Carl M. (See Mahan, C. B., and Weber.)
- Weber, Charles E. (See Hall, F. E., and Weber.)
- Weber, Charles J., Chicago, Ill., assignor, by mesne assignments, to The Foote Company, Inc., Nunda, N. Y. Concrete mixer. 1,775,983; Sept. 16.
- Weber, Clarence J., and R. A. Seek, assignors to National Brick Company, Chicago, Ill. Hoist. 1,766,157; June 24.
- Weber, Clyde L., Clarksburg, W. Va. Automatic controller for pressure regulators. 1,744,290; Jan. 21.
- Weber, Cornelius G., Milwaukee, Wis. Heat-actuated device. 1,749,010; Mar. 4.
- Weber Costello Company. (See Johnson, John F., assignor.)
- Weber Electric Company. (See Weber, John, assignor.)
- Weber Engine Company. (See Gold, Samuel B. and B. E., assignor.)
- Weber, Eugene R., Van Nuys, Calif. Hand marking and printing means. 1,777,134; Sept. 30.
- Weber, Franz N., assignor of one-half to P. Weber, Jr., Dunlap, Iowa. Ditch digger. 1,767,417; June 24.
- Weber, Harry M., Newton, Mass., assignor to Ellis-Foster Company. Composition of matter comprising resin esters. 1,757,104; May 6.
- Weber, Harry M., Boston, Mass., assignor to Ellis-Foster Company, Montclair, N. J. Animal food. 1,776,055; Sept. 16.
- Weber, Henry E., Canton, Ohio. Controller for dental engines. 1,763,995; June 17.
- Weber, Henry E., assignor to Hassler Manufacturing Co., Inc., Indianapolis, Ind. Stabilizer for vehicles. 1,749,617; Mar. 4.
- Weber, Hermann, Paterson, N. J. Lunch kit. 1,772,330; Aug. 5.
- Weber, Hermann, Reisholz, near Dusseldorf, and F. Niemeyer, Holthausen, near Dusseldorf, Germany. Treating glycerin. 1,763,451; June 10.
- Weber, Jacob A., and L. A. Weber, Cleveland Heights, Ohio. Catafalque. Des. 80,554; Feb. 18.
- Weber, Jacob A. and L. A., Cleveland Heights, Ohio. Catafalque. Des. 80,867; Apr. 1.
- Weber, John, assignor to Weber Electric Company, Schenectady, N. Y. Electric-lamp socket. Des. 82,465; Nov. 4.
- Weber, John, assignor to Weber Electric Company, Schenectady, N. Y. Electric-lamp socket. Des. 82,466; Nov. 4.
- Weber, John, assignor to Weber Electric Company, Schenectady, N. Y. Electric-lamp socket. Des. 82,467; Nov. 4.
- Weber, John J., Wilmette, assignor to J. H. Jochum, Jr., Chicago, Ill. Surface ornamentation. Re17,654; Apr. 29.
- Weber, Joseph, Jersey City, and H. Tietjen, Hoboken, N. J. Peel-dusting machine for bakery purposes. 1,767,633; June 24.
- Weber, Karl A., assignor to Weber Showcase & Fixture Company, Los Angeles, Calif. Refrigerated showcase. 1,742,624; Jan. 7.
- Weber, Karl A., assignor to Weber Showcase & Fixture Company, Los Angeles, Calif. Pressure-dispensing-container cap. 1,744,426; Jan. 21.
- Weber, Louis A. (See Weber, Jacob A. and L. A.)
- Weber Machine Corporation. (See Mahan, C. B., and Weber, assignors.)
- Weber, Maximilian S., Chicago, Ill. Grasp bar. Des. 80,927; Apr. 8.
- Weber, Owen T., et al. (See Olson, Samuel, assignor.)
- Weber, Peter, jr. (See Weber, Franz N., assignor.)
- Weber, Richard, Dresden-Ubigau, Germany. Basket with handles. 1,744,088; Jan. 21.
- Weber Showcase & Fixture Company. (See Weber, Karl A., assignor.)
- Weber-Stierlin, Ernst, Zurich, Switzerland. Stretcher. 1,764,477; June 17.
- Weber, Tobias, et al. (See Chase, Hamilton C., assignor.)
- Weber, Walter P., Watertown, Wis. Fountain toothbrush. 1,768,301; June 24.
- Weber, William C., Larchmont, assignor to The Dorr Company, New York, N. Y. Treatment of pulp. 1,770,353; July 8.
- Weber, William W., assignor to Dixon Fabrics Corporation, New York, N. Y. Textile fabric or similar article. Des. 80,342; Jan. 14.
- Weber, William W., assignor to Dixon Fabrics Corporation, New York, N. Y. Textile fabric or similar article. Des. 80,343; Jan. 14.
- Webster, Benjamin C., Southport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn. Making mounting elements with plaster ears. 1,782,329; Nov. 18.
- Webster, C. A., et al. (See Goff, Henry J., assignor.)
- Webster, Fred E., San Antonio, Tex. Foundation. 1,746,918; Feb. 11.
- Webster, Harry A., assignor to Armstrong Cork Company, Lancaster, Pa. Block-printing machine. 1,756,268; Apr. 29.
- Webster, Lewis E., Wilkes-Barre, Pa. Shovel handle. 1,786,376; Dec. 23.
- Webster, Lewis E., Wyoming, Pa., assignor, by mesne assignments, to Columbus Handle & Tool Corporation, Columbus, Ind. Shovel handle. 1,757,693; May 6.
- Webster, Lewis E., assignor to The Wyoming Shovel Works, Wyoming, Pa. Shovel. 1,761,378; June 3.
- Webster, Warren, Company. (See Montreuil, Frank H., assignor.)
- Webster, William A., Galesburg, assignor of one-third to L. J. Castle, Abingdon, Ill. Steam engine. 1,780,324; Nov. 4.
- Webster, William G., assignor, by mesne assignments, to Porcelain Tile Company, Chicago, Ill. Tile and fixture mounting. 1,744,187; Jan. 21.
- Wechsler, Samuel, Cleveland, Ohio. Machine for making paper bags. 1,775,793; Sept. 16.
- Wechsler, Samuel, Cleveland, assignor of one-half to The Jaite Company, Jaite, Ohio. Sewing machine. 1,749,118; Mar. 4.
- Weck, Alexander E., Dolau, Germany. Mechanically-operated grate-feeding means. 1,760,572; May 27.
- Wecker, Ernst, Heilbronn-on-the-Neckar, Germany. Manufacture of esters of fatty acids and of mixtures containing fatty acids. 1,758,634; May 13.
- Wecker, Ernst, Heilbronn, Germany. Separating substances of dissimilar volatilities. 1,766,863; June 24.
- Weckerle, Ferdinand, Munich, assignor to Studiengesellschaft fuer Wirtschaft u. Industrie m. b. H., Munich, Germany. Uniting by sealing the insulating parts of high-tension insulators. 1,742,625; Jan. 7.
- Weckert, George L., Seattle, Wash. Bag holder. 1,755,584; Apr. 22.
- Wedberg, Axel G. W., Chicago, Ill. Mold for concrete buildings. 1,780,661; Nov. 4.
- Weddell, Ralph R., Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Compound taper insertable blade lock. 1,762,110; June 3.
- Weddell, Ralph R., Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Angular serrated adjustable cutter. 1,762,111; June 3.
- Wedeberg, Reuben, assignor to Alemite Corporation, Chicago, Ill. Signal for lubricating systems. 1,762,566; June 10.
- Wedeberg, Reuben, assignor to Alemite Corporation, Chicago, Ill. Booster pump. 1,767,494; June 24.
- Wedemann, Richard G., Milwaukee, Wis. Foldable frame. 1,744,253; Jan. 21.
- Wedge, Ralph F., Albert Lea, Minn. Package for plants. 1,775,837; Sept. 16.
- Wedge, Ralph F., Albert Lea, Minn. Plant package and process of making. 1,775,838; Sept. 16.
- Wedig, Bertrand, Belmont, Wis. Ice creeper. 1,749,522; Mar. 4.
- Wedin, Ivar T., assignor to A C Spark Plug Company, Flint, Mich. Attachment for odometers. 1,760,264; May 27.
- Wedin, Ivar T., assignor to A C Spark Plug Company, Flint, Mich. Thermostat. 1,761,946; June 3.
- Wedin, Ivar T., assignor to A C Spark Plug Company, Flint, Mich. Pressure gauge. 1,761,947; June 3.
- Wedler, Harry G., assignor to The Wedler-Shuford Co., St. Louis, Mo. Cover for seat backs and the like. 1,748,743; Feb. 25.
- Wedler-Shuford Co., The. (See Wedler, Harry G., assignor.)
- Weed, Emil W., Raymond, Alberta, Canada. Grapple and basket for wagon-loading apparatus. 1,755,854; Apr. 22.
- Weed, Harry D., Southport, Conn. Furnace. 1,760,459; May 27.

- Weed, Robert F., Fairfield, Conn. Equalized brake. 1,770,959; July 22.
- Weeden, Arthur W., Quincy, assignor to Emfree Manufacturing Co., Wollaston, Mass. Rotary pump and motor. 1,769,047; July 1.
- Weeden, Daniel J., East Greenwich, R. I. Tongs. 1,764,919; June 17.
- Weeks, Carl, assignor to The Armand Company, Des Moines, Iowa. Massage implement. 1,769,872; July 1.
- Weeks, Ernest A., assignor to Root Spring Scraper Company, Kalamazoo, Mich. Road scraper. 1,750,610; Mar. 11.
- Weeks, Ernest A., assignor to Root Spring Scraper Company, Kalamazoo, Mich. Hydraulic scraper structure. 1,760,926; June 3.
- Weeks, Ernest A., assignor to Root Spring Scraper Company, Kalamazoo, Mich. Road-scraper attachment for trucks. 1,761,605; June 3.
- Weeks, Ernest A., assignor to Root Spring Scraper Company, Kalamazoo, Mich. Road scraper. 1,786,803; Dec. 30.
- Weeks, John R., jr. (See Given, F. J., Greenidge, and Weeks.)
- Weems, Charles H., and A. Milton, Fairfield Conn. Adjustable form clamp. 1,773,558; Aug. 19.
- Weepah Manufacturing Corporation, The. (See Johnson, Alfred E., assignor.)
- Wefald, Sarah S., Hawley, Minn. Ironing stand. 1,769,558; July 1.
- Wefel, August L., Kansas City, Kans. Pneumatic action for musical instruments. 1,746,295; Feb. 11.
- Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Desk. Des. 80,593; Feb. 25.
- Wege, Peter M., assignor to Metal Office Furniture Co., Grand Rapids, Mich. Drawer slide. 1,750,448; Mar. 11.
- Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Metal-table construction. 1,770,500; July 15.
- Wegener, Christian R., Copenhagen, Denmark, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Fault detector for transformers. 1,776,873; Sept. 30.
- Wegner, Carl F. (See Brandl, A., and Wegner.)
- Wegner, Emil, Milwaukee, Wis. Swimming device. 1,757,277; May 6.
- Wegner, John, Thorp, Wis. Whipping device. 1,762,003; June 3.
- Wegner, Julius, Astoria, N. Y. Stone-working machine. 1,778,132; Oct. 14.
- Wehling, August, Cologne, Sulz, Germany. Device for indicating and controlling the speed of motor vehicles. 1,754,868; Apr. 15.
- Wehmann, Friedrich W., and E. R. Dahlström, assignors to Aktiebolaget Formator, Stockholm, Sweden. Machine for stripping tobacco leaves. 1,776,056; Sept. 16.
- Wehner, Karl, Mannheim, Germany. Support for curtains and portières and for the rods for the same. 1,749,863; Mar. 11.
- Wehr, Earl R., and C. C. Mahlie, assignors to The American Rolling Mill Company, Middletown, Ohio. Heat-resistant metal sheet. 1,764,132; June 17.
- Wehr Motor Company, The. (See Wehr, Rudolph, assignor.)
- Wehr, Rudolph, Los Angeles, Calif., assignor to The Wehr Motor Company. Internal-combustion engine. 1,758,242; May 13.
- Wehr, Rudolph, Los Angeles, Calif., assignor to The Wehr Motor Company. Lubricating system. 1,766,735; June 24.
- Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. I-beam clamp. Re17,629; Mar. 25.
- Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Co., Wickliffe, Ohio. Switch. Re17,830; Oct. 14.
- Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Tractor for overhead carrier systems. 1,759,177; May 20.
- Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Mechanism for handling sheet metal. 1,767,268; June 24.
- Wehrle Company, The. (See Pickup, George E., assignor.)
- Weibull, Ernst H. W., Saltsjobaden, assignor to Aktiebolaget Nordiska Armaturfabrikerna, Stockholm, Sweden. Striking or hammering tool. 1,753,910; Apr. 8.
- Weibull, Ernst H. W., Saltsjobaden, Sweden, assignor to Aktiebolaget Nordiska Armaturfabrikerna, Stockholm, Sweden. Arrangement for transforming a rotating movement into a striking or hammering movement. 1,776,057; Sept. 16.
- Weichelt, Carl L., assignor to Wirt Company, Philadelphia, Pa. Lightning arrester. 1,744,847; Jan. 28.
- Weichelt, Carl L., assignor to Wirt Company, Philadelphia, Pa. Lamp-socket rheostat. 1,750,739; Mar. 18.
- Weichelt, Carl L., assignor to Wirt Company, Philadelphia, Pa. Current regulator for electric lamps. 1,750,740; Mar. 18.
- Weichold, Charles, Cincinnati, Ohio. Concrete reinforcement. 1,757,694; May 6.
- Weichsel, Hans., assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating-current motor. Re17,742; July 22.
- Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Synchronous alternating-current motor. 1,747,198; Feb. 18.
- Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating-current motor. 1,750,076; Mar. 11.
- Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Electric-current-generating apparatus. 1,761,855; June 3.
- Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Commutator. 1,783,371; Dec. 2.
- Weichsel, John, New York, N. Y. Spring device. 1,749,117; Mar. 4.
- Weidenhoff, Joseph, Incorporated. (See Haskins, Butler J., assignor.)
- Weidhaas, Francis E., Bronxville, N. Y. Stage curtain or drop. 1,756,048; Apr. 29.
- Weidig, Jacob K., Newark, N. J., assignor to The Cellulose Utilities Corporation. Preparing cellulose-ester solutions. 1,775,179; Sept. 9.
- Weidinger, William G. G., Chicago, Ill. Propeller. 1,746,806; Feb. 11.
- Weidlich Bros. Mfg. Co., The. (See Flauder, Alfred J., assignor.)
- Weidlich Sterling Spoon Co. (See Flauder, Alfred J., assignor.)
- Weidinger, Frank, Bethlehem, Pa. Direction indicator. 1,781,888; Nov. 18.
- Weidman, John H., Marcellus, N. Y. Mechanical dishwasher. 1,757,278; May 6.
- Weidmann, John F., New Albany, Ind. Display device for containers. 1,748,032; Feb. 13.
- Weidner, George, Rochester, N. Y. Precision dressing apparatus for grinding wheels. 1,784,261; Dec. 9.
- Weidner, John R., assignor to The Nolde and Horst Company, Reading, Pa. Box insert. 1,782,915; Nov. 25.
- Weidner, Nathan, assignor to Ventilites, Inc., New York, N. Y. Combination powder compact, lip stick, and atomizer. Des. 82,293; Oct. 14.
- Weigand, Henry, Wilkes-Barre, and O. E. Schobert, Pittston, assignors to Penn Tobacco Company, Wilkes-Barre, Pa. Tobacco-stemming machine. 1,775,378; Sept. 9.
- Weigant, Anthony, et al. (See Weigant, Casper, assignor.)
- Weigant, Casper, deceased; M. K. Weigant, administratrix, assignor of one-half to M. K. Weigant, one-twelfth to A. Weigant, one-twelfth to E. Shaw, one-twelfth to A. Brown, Portland, Oreg., one-twelfth to B. Wyman, Tacoma, Wash., one-twelfth to J. Weigant, Dallas, Oreg., one-twelfth to M. Weigant, San Francisco, Calif. Chimney cleaner. 1,777,815; Oct. 7.
- Weigant, Joseph, et al. (See Weigant, Casper, assignor.)
- Weigant, Mary K., et al. (See Weigant, Casper, assignor.)
- Weigant, Mary K., administratrix. (See Weigant, Casper.)
- Weigant, Michael, et al. (See Weigant, Casper, assignor.)
- Weigel, General W., et al. (See Visitacion, Aniceto R., assignor.)
- Weigel, Louis G., et al. (See Visitacion, Aniceto R., assignor.)
- Weigle, Edmund, Bergenfield, N. J., assignor to G. & G. Atlas Systems, Inc., New York, N. Y. Pneumatic-dispatch-tube system. 1,751,115; Mar. 18.
- Weiger, Joseph A., Union City, N. J., assignor, by mesne assignments, to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Bearing material for current-traversed bearings. 1,751,780; Mar. 25.
- Weightograph Company, The. (See Shively, Louis S., assignor.)
- Weikel, William F., assignor to United States Printing & Lithograph Company, Baltimore, Md. Printed-matter indicator. 1,781,309; Nov. 11.
- Weil, Louis B., assignor to Pierre Dumonde, Inc., Chicago, Ill. Make-up case. 1,767,567; June 24.
- Weil, Maurice I., assignor to Chicago Pump Company, Chicago, Ill. Constant-water-supply system. 1,786,804; Dec. 30.
- Weil, Maximilian, New York, N. Y. Sound-reproducing apparatus. 1,772,882; Aug. 12.
- Weil, Maximilian, New York, N. Y. Electric sound reproducer. 1,779,223; Oct. 21.
- Weil, Walter M., assignor to The National Smelting Company, Cleveland, Ohio. Mold. 1,758,488; May 13.
- Weiland, Alfred, Neshanic, N. J., assignor to Pneumatic Appliances Corporation, New York, N. Y. Shackle. 1,743,174; Jan. 14.
- Weiland, Henry J. (See Gubelmann, I., Weiland, and Stallmann.)
- Weiler, Wilhelm, Berlin-Niederschonhausen, Germany, assignor to General Electric Company. Induction synchronous frequency changer installation. 1,742,980; Jan. 7.
- Weill, David A., et al. (See Levine, Morris, assignor.)
- Weilman, Melville S., Cincinnati, Ohio. Garter. 1,777,238; Sept. 30.
- Weil-McLain Company. (See Casserly, Thomas D., assignor.)
- Weimann Bros. Manufacturing Company. (See Dunnican, George W., assignor.)
- Weimer, Roy B., assignor of one-half to The Miller Rubber Company, Akron, Ohio. Toy. 1,755,161; Apr. 15.
- Wein, Alex. (See Wein, Ralph, assignor.)
- Wein, Ralph, assignor of one-half to A. Wein, Brooklyn, N. Y. Watch movement. 1,779,865; Oct. 28.
- Wein, Samuel, assignor of one-half to Nathan Raff, New York, N. Y. Viscose and manufacturing the same. 1,779,521; Oct. 28.

- Wein, Samuel, assignor to Radiovision Corporation, New York, N. Y. Direct-reading photometer. 1,779,574; Oct. 28.
- Weinacker, Hermann, assignor to Universal Chain Co. Inc., Maplewood, N. J. Link-welding machine. 1,750,142; Mar. 11.
- Weinberg, Fred, White Plains, N. Y. Combined cigarette extinguisher and residue receptacle. 1,780,258; Nov. 4.
- Weinberg, Fred, New York, N. Y., assignor, to The Rumidor Corporation. Cigarette snuffer. 1,757,279; May 6.
- Weinberg, Joseph, New Castle, Pa. Spring heel. 1,759,379; May 20.
- Weinberg, Werner, Ludenscheid, Germany. Delivering apparatus for liquid soap. 1,762,901; June 10.
- Weinberger, Benjamin, Mount Carmel, Ill. Pad support for pressing machines. 1,755,802; Apr. 22.
- Weinberger, Julius. (See Goldsmith, A. N., and Weinberger.)
- Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Radio receiver control. Des. 80,650; Mar. 4.
- Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Radio receiver control. Des. 80,651; Mar. 4.
- Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Phonograph adjunct for radio-sets. 1,754,293; Apr. 15.
- Weinberger, Julius, and I. Wolff, New York, N. Y., assignors to Radio Corporation of America. Loud-speaker. 1,760,862; May 27.
- Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Electromagnetic reproducer. 1,770,501; July 15.
- Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Signaling system. 1,772,374; Aug. 5.
- Weinrenner, Albert H., Company. (See Jung, Alvin L., assignor.)
- Weinbrunn, Edward A., Charlottesville, Va. Vehicle signal-control switch. 1,747,093; Feb. 11.
- Weindel, Fred, jr., Allentown, assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Escutcheon plate. Des. 82,713; Dec. 2.
- Weinigel, John, Patchogue, assignor, by mesne assignments, to Perfect E. Z. Chair Corporation, New York, N. Y. Chair. 1,776,402; Sept. 23.
- Weinigel, John, Tampa Shores, Fla., assignor, by mesne assignments, to Perfect E. Z. Chair Corporation, New York, N. Y. Collapsible reclining chair. 1,776,403; Sept. 23.
- Weiner, Alexander, Providence, R. I. Neck chain. Des. 81,563; July 8.
- Weiner, Alexander, Providence, R. I. Ornamenting device and making the same. 1,771,278; July 22.
- Weiner, Leo. (See Hazman, Jacob, assignor.)
- Weinerth, George S., Reading, Pa. Multitreating attachment for winding, knitting, and similar machines. 1,776,529; Sept. 23.
- Weingand, Claude O. (See Dillon, W. A., and Weingand.)
- Weingand, Richard. (See Czapek, E., and Weingand.)
- Weingart, Herman, Brooklyn, N. Y. Dust cap. 1,747,918; Feb. 18.
- Weingartner, Eduard, Leipzig, Germany. Sheet delivering and stacking device for printing machines. 1,758,134; May 13.
- Weinhardt, Robert A., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle suspension. 1,753,489; Apr. 8.
- Weinheim, Emil, New York, N. Y. Siphon bottle. 1,756,269; Apr. 29.
- Weinheim, Emil, New York, N. Y. Siphon bottle. 1,778,440; Oct. 14.
- Weinheim, Emil, New York, N. Y. Coating and impregnating webs of flexible material. 1,784,797; Dec. 9.
- Weinheimer, Theodore A., and E. Hoffman, Pittsburgh, Pa. Ventilator. 1,757,886; May 6.
- Weinhold, Walter G. (See Marks, C. K., and Weinhold.)
- Weinland, George F., Uhrichsville, Ohio. Projection screen. 1,776,342; Sept. 23.
- Weinlich, Hermann A., Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Type-writer punch with column cut-out. 1,780,610; Nov. 4.
- Weinschneider, Walter, Chicago, Ill. Tie. 1,751,963; Mar. 25.
- Weinstein, Alfred, Hamburg, Germany. Animated device. 1,782,555; Nov. 25.
- Weinstein, Morris, New York, N. Y. Lining for articles of apparel. 1,774,577; Sept. 2.
- Weinstein, Otto, Boston, Mass., assignor to Standard Neckwear Company. Bow necktie. 1,762,647; June 10.
- Weinstein, Samuel M., Chicago, Ill. Burglarproof door. 1,749,237; Mar. 4.
- Weinstein, Sol B., Greensboro, N. C. Shirt and trousers holder. 1,752,217; Mar. 25.
- Weinthrop, Adolph D., assignor to Seaman Paper Company, Chicago, Ill. Display folder. 1,774,215; Aug. 26.
- Weintraub, Edward, Brooklyn, N. Y. Covered elastic cord. 1,759,496; May 20.
- Weintraub, Edward, Brooklyn, N. Y. Covered elastic cord. 1,759,497; May 20.
- Weintraub, Samuel, New York, N. Y. Cleaning device. 1,760,614; May 27.
- Weinzierl, Joseph T. (See Straub, F. J., and Weinzierl.)
- Weir, Bertha M., San Luis Obispo, Calif. Shoe having separable sole and upper. 1,758,342; May 13.
- Weir, Frank M., St. Paul, Minn. Humidifier and heat deflector. 1,778,441; Oct. 14.
- Weir, G. & H., Limited. (See Weir, James G., assignor.)
- Weir, G. & J., Limited. (See Lang, Charles R., assignor.)
- Weir, Harry N., assignor to The Noble & Wood Machine Co., Hoosick Falls, N. Y. Paper-making machinery. 1,778,650; Oct. 14.
- Weir, James B., Oakwood Heights, and P. Bertell, Buffalo; said Weir assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Combined rear-vision mirror and instrument casing. Des. 82,355; Oct. 21.
- Weir, James G., assignor to G. & J. Weir, Limited, Cathcart, Glasgow, Scotland. Ejector in series. 1,777,239; Sept. 30.
- Weirton Steel Company. (See Hunt, Clinton H., assignor.)
- Weis, Andrew L., Fort Lauderdale, Fla. Automobile signaling apparatus. 1,772,375; Aug. 5.
- Weis, Andrew L., Fort Lauderdale, Fla. Automobile signaling apparatus. 1,772,376; Aug. 5.
- Weis, John A., assignor to Convenience Products Corporation, Chicago, Ill. Telephone attachment. 1,745,236; Jan. 28.
- Weis Manufacturing Company, The. (See Consor, H. A., Matthes, and Wuest, assignors.)
- Weis Manufacturing Company, The. (See Matthes, Harold L., assignor.)
- Weis, Samuel W., et al. (See Gentile, Marino, assignor.)
- Weis, Samuel W., et al. (See Von Winkler, Walter T., assignor.)
- Weis, Simon, New Orleans, La. Towel rack. 1,769,326; July 1.
- Weisberg, Louis, Brighton Beach, N. Y. Cigarette holder and ash receptacle. 1,766,571; June 24.
- Weisberg, Louis, and R. B. Stevens, assignors to Alchemic Gold Company, Inc., New York, N. Y. Coating materials. 1,756,772; Apr. 29.
- Weisberg, Samuel S. (See Iseman, Isaac, assignor.)
- Weisberg, Sidney, assignor of one-half to M. Pichson, Brooklyn, N. Y. Radio receiving apparatus. 1,749,364; Mar. 4.
- Weisberg, Sidney M., Brooklyn, N. Y. Tire-inflation device. Des. 82,468; Nov. 4.
- Weisberger, David, Newark, N. J. Display device for automobiles. 1,770,682; July 15.
- Weisgerber, Edwin C., Long Beach, assignor to John Grant, Los Angeles, Calif. Underreamer. 1,764,133; June 17.
- Weiske, Paul, and K. Rupprecht, Berlin, Germany, assignors to General Electric Company. Motor-control system. 1,785,567; Dec. 16.
- Weiskittel, A., & Son Co. (See Hearl, John W., assignor.)
- Weiskopf, Otto, Erfurt, Germany. Calculating machine. 1,776,800; Sept. 30.
- Weisler, August, Perryville, assignor of one-half to F. J. Hagerling, St. Louis, Mo. Wrench. 1,782,752; Nov. 25.
- Weislow, George, Chicago, Ill. Self-locking mailing circular. 1,760,460; May 27.
- Weisman, John C., and G. A. Huettelman, assignors to Hammer-Bray Company, Oakland, Calif. Cover and grate combination for stove-lid openings. 1,772,883; Aug. 12.
- Weisman, Julius, Providence, R. I., assignor to Plainville Stock Company, Plainville, Mass. Clasp or fastening device for bracelets. 1,785,039; Dec. 16.
- Weisner, Harry, Philadelphia, Pa. Device for holding combs. 1,785,753; Dec. 23.
- Weiss, Albert, New York, N. Y. Envelope-opening machine. 1,750,338; Mar. 11.
- Weiss, Alfred, New York, N. Y. Reel for cameras and projectors. 1,775,610; Sept. 9.
- Weiss, Alfred H., Wilmette, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Ignition and lighting switch. 1,787,058; Dec. 30.
- Weiss, Arthur J., West Orange, N. J., assignor to Dubilier Condenser Corporation, New York, N. Y. Top-sealing process. 1,756,409; Apr. 29.
- Weiss, Carl W., Brooklyn, N. Y. Power-transmission device. 1,760,927; June 3.
- Weiss, Carl W., New York, N. Y. Universal joint. 1,769,762; July 1.
- Weiss, Carl W., Brooklyn, N. Y. Universal joint. 1,770,502; July 15.
- Weiss, Carl W., Brooklyn, N. Y. Universal joint. 1,774,578; Sept. 2.
- Weiss, Carl W., Brooklyn, N. Y. Power-transmission device. 1,783,758; Dec. 2.
- Weiss, Charles, New York, N. Y. Plate or similar article. Des. 80,344; Jan. 14.
- Weiss, Charles, New York, N. Y. Casserole or the like. Des. 80,652; Mar. 4.
- Weiss, Charles, New York, N. Y. Plate or the like. Des. 81,514; July 1.
- Weiss, Charles, New York, N. Y. Pitcher or the like. Des. 82,545; Nov. 18.
- Weiss, Charles, New York, N. Y. Bus seat switch. 1,747,960; Feb. 18.
- Weiss, Fred R., Frenchtown, N. J. Vehicle signal housing. Des. 80,345; Jan. 14.
- Weiss, George. (See Kaplan, L., and Weiss.)
- Weiss, George, Chicago, Ill. Vending machine. 1,767,634; June 24.
- Weiss, George, Chicago, Ill. Coin-controlled mechanism. 1,767,635; June 24.

- Weiss, Harry H., Chicago, Ill. Material-transfer apparatus. 1,783,487; Dec. 2.
- Weiss, Hazel M., et al., administratrices. (See Hilgert, Mathew.)
- Weiss, Hersh, and A. Needelman, Philadelphia, Pa.; said Weiss assignor to R. Weiss. Bathing and massaging mitten. 1,766,365; June 24.
- Weiss, Howard B., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Facing membrane for sound-absorbing materials. 1,785,507; Dec. 16.
- Weiss, Jacob, et al. (See Pollock, Martin C. and E. E., assignors.)
- Weiss, Josef. (See Karg, R., and Weiss.)
- Weiss, Joseph, Chicago, Ill. Shoe construction. 1,749,864; Mar. 11.
- Weiss, Joseph, Chicago, Ill. Door check. 1,780,662; Nov. 4.
- Weiss, Max L. (See Paulson, C. J., and Weiss.)
- Weiss, Rose. (See Weiss, Hersh, assignor, and Needelman.)
- Weiss, Theobald C., assignor to Electric Sprayit Company, South Bend, Ind. Motor-driven-tools' switch. 1,751,781; Mar. 25.
- Weiss, Theobald C., assignor to Electric Sprayit Company, South Bend, Ind. Motor-driven tool. 1,785,798; Dec. 23.
- Weiss, Valentin, Berlin-Weissensee, assignor to the Firm Jaroslaws Erste Glimmerwarenfabrik, Berlin, Germany. Loom picker. 1,787,182; Dec. 30.
- Weiss, William M., Maywood, Ill. Meter-reading device. 1,746,066; Feb. 4.
- Weissbein, Siegfried, assignor to Bäder- und Verkehrs-Aktiengesellschaft, Berlin, Germany. Manufacturing durable soap creams containing highly-concentrated salt solutions. 1,748,533; Feb. 25.
- Weissenborn, Albert. (See Knorr, A., and Weissenborn.)
- Weissman, Joseph I., Brooklyn, and M. Goldstein, Ozone Park; said Goldstein assignor to J. Goldstein, Brooklyn, N. Y. Tire-chain connection. 1,762,750; June 10.
- Weissmann, Gustave, Paris, France. Electric cell. 1,766,418; June 24.
- Weisz, George R., assignor of one-half to A. S. Shapiro, Chicago, Ill. Toothbrush. 1,750,500; Mar. 11.
- Weitlich, Harry O. (See Walker, J. T., and Weitlich.)
- Weitlich, Harry O., New Rochelle, and J. T. Walker, Pelham, assignors to W. S. T. Sani-Products Corp., Brooklyn, N. Y. Powder puff. 1,743,872; Jan. 14.
- Weitz, Emil A., Hamburg, Germany. Arrangement for rinsing of body hollows. 1,746,450; Feb. 11.
- Weitz, John A., jr., Endicott, Wash. Bracket for electric lights and flash lights. 1,774,775; Sept. 2.
- Weitzman, Morris A., Chicago, Ill. Hat-brim-ironing apparatus. 1,745,520; Feb. 4.
- Welch, Asa B., Atlanta, Ga. Dirigible headlight. 1,750,077; Mar. 11.
- Welch, Charles K., deceased, Coventry, England; A. G. Welch and R. Welch, administrators. Pneumatic tire and wheel. 1,786,101; Dec. 23.
- Welch, Charles R., Marblehead, Mass. Arch support. 1,768,648; July 1.
- Welch, Dennis M., and C. Warner, Lansing, Mich. Can cover. 1,766,866; June 24.
- Welch, Frank, Toronto, Ontario, Canada. Belt and the like and making same. 1,746,752; Feb. 11.
- Welch, Gertrude, et al., administrators. (See Welch, Charles K.)
- Welch, Harry R. (See Humberstone, E. H., and Welch.)
- Welch, Harry V., assignor to International Precipitation Company, Los Angeles, Calif. Distillation. 1,768,179; June 24.
- Welch-Hartman Co. (See Hartman, William O., assignor.)
- Welch, Horace H., Detroit, Mich., assignor, by mesne assignments, to C. B. Camp, trustee. Carburetor. Re17,609; Mar. 4.
- Welch, Jack T., assignor to James Heddon's Sons, Dowagiac, Mich. Artificial minnow. 1,772,058; Aug. 5.
- Welch, Joe T., and J. E. McAlpine, Ten Mile Township, Whatcom County, Wash. Gridiron. 1,766,572; June 24.
- Welch, John B., New Orleans, La. Progressive dry kiln and drying lumber. 1,753,974; Apr. 8.
- Welch, Joseph H., Tulsa, Okla. Method and apparatus for oil cracking. 1,784,562; Dec. 9.
- Welch, Roland, et al., administrators. (See Welch, Charles K.)
- Welch, W. M. Mfg. Co. (See Kopp, Reinhold A., assignor.)
- Welch, William T., New Orleans, La. Toy airplane. 1,778,699; Oct. 14.
- Welcker, Rudolph, assignor of one-fourth to F. G. Neal, Springfield, Mass. Valve. 1,777,060; Sept. 30.
- Welcome, Otto. (See Hosbein, L. H., and Welcome.)
- Weld, Ivan C., Sandy Spring, Md. Cabinet for the reception of dairy products. 1,759,723; May 20.
- Weldit Company, The. (See Wade, Percy, assignor.)
- Welding Engineers Incorporated. (See Hendrickson, John B., assignor.)
- Welding Service, Inc. (See Frickley, R. E., and Kalenborn, assignors.)
- Welding Service Inc. (See McClary, Archie W., assignor.)
- Welding Service Inc. (See Re Qua, F. L., and Kalenborn, assignors.)
- Weldon, Chichester P., assignor to The New Departure Manufacturing Company, Bristol, Conn. Making hubs. 1,754,922; Apr. 15.
- Weldon, Everett D., Hastings upon Hudson, N. Y. Desk tables. 1,759,178; May 20.
- Weldon, George, Springs, Transvaal, South Africa. Safety catch for mine cages, skips, and the like. 1,776,209; Sept. 16.
- Weldon, Melvin E., assignor of one-half to C. O. Morrison, Borger, Tex. Fluid lifter. 1,747,277; Feb. 18.
- Weldy, Arthur S., Canton, Ohio. Pump. 1,749,682; Mar. 4.
- Welk, Ebenezer, et al. (See Waite, Harry C., assignor.)
- Welk, Frederick W., Markesan, Wis. Hog tongs. 1,759,970; May 27.
- Welk, Nelson S., assignor to The McBee Binder Co., Athens, Ohio. Back measuring and shaping attachment for bookbinding machines. 1,744,848; Jan. 28.
- Welk, Nelson S., assignor to The McBee Binder Co., Athens, Ohio. Compressor plate for filing trays. 1,745,132; Jan. 28.
- Welland, Bardenes P., Albert Lea, Minn. Horseshoe fastener. 1,759,926; May 27.
- Wellenmeyer, Arthur, Klemme, Iowa. Combined display and dispensing apparatus. 1,787,347; Dec. 30.
- Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Core catcher. 1,765,513; June 24.
- Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Core catcher for well drills. 1,775,920; Sept. 16.
- Wellensiek, Louis H., Houston, Tex. Drilling apparatus. 1,784,404; Dec. 9.
- Weller, Christian, Atlantic City, N. J. Railway-roadbed construction. 1,766,367; June 24.
- Weller, Daniel R., and L. Link, Baton Rouge, La., assignors to Standard Oil Development Company. Coking oils. 1,767,331; June 24.
- Weller, Erwin E., Sioux City, Iowa. Fish lure. 1,777,594; Oct. 7.
- Weller, Fritz, Bonn, Germany, assignor to P. Von Dey, Chicago, Ill. Trap. 1,753,814; Apr. 8.
- Weller, John H., Perth Amboy, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Shingle. 1,772,924; Aug. 12.
- Weller, Randolph V., Rochester, N. Y., assignor to The Dexter Company, Fairfield, Iowa. Ironing machine. 1,767,863; June 24.
- Weller, Randolph V., Rochester, N. Y., assignor to The Dexter Company, Fairfield, Iowa. Ironing machine. 1,767,864; June 24.
- Weller, Randolph V., Rochester, N. Y., assignor to The Dexter Company, Fairfield, Iowa. Ironing machine. 1,767,865; June 24.
- Welles, Albert B. (See Bellamore, David H., assignor.)
- Welles, William G., Lebanon, Wis. Ensilage-distributing apparatus. 1,765,115; June 17.
- Wellings, John G. (See Petch, H. S., and Wellings.)
- Wellings, John G., and C. G. Mayo, Rugby, England, assignors to General Electric Company. Electric transformer. 1,748,857; Feb. 25.
- Wellington, Curtis F., Leominster, Mass. Shoe and hosiery bench. 1,749,865; Mar. 11.
- Wellington Machine Company, The. (See Deisler, Harry W., assignor.)
- Wellman Casing Spear Company, The. (See Wellman, Fred F., assignor.)
- Wellman, Charles O., Binghamton, N. Y. Infinitely-variable speed-ratio power-transmitting device. 1,762,004; June 3.
- Wellman Engineering Company, The. (See Case, Arthur F., assignor.)
- Wellman Engineering Company, The. (See Rogers, John F., assignor.)
- Wellman, Frank E., Kansas City, Kans. Method of and apparatus for treating hydrocarbons. 1,772,331; Aug. 5.
- Wellman, Frank E., assignor to Kansas City Gasoline Company, Kansas City, Kans. Stuffing box for pressure stills. 1,745,200; Jan. 28.
- Wellman, Fred F., Wichita, Kans., assignor to The Wellman Casing Spear Company. Well-casing puller. 1,762,087; June 3.
- Wellman-Seaver-Morgan Company, The. (See Case, Arthur F., assignor.)
- Wells, Alton J., Bell, Calif. Tool box. 1,767,332; June 24.
- Wells, Amos S., Minneapolis, Minn. Tooth-holding device. 1,766,234; June 24.
- Wells, Burling D. (See Blair, R. S., and Wells.)
- Wells, C. G., et al. (See Walker, Jay P., assignor.)
- Wells, Don W., El Centro, assignor of one-fourth to G. W. Anderson, Los Angeles, one-fourth to R. Edgar, and one-fourth to J. S. Ross, El Centro, Calif. Foundation construction. 1,761,321; June 3.
- Wells, Don W., assignor of one-fourth to G. W. Anderson, Los Angeles, one-fourth to R. Edgar, and one-fourth to J. S. Ross, El Centro, Calif. Foundation construction. 1,761,322; June 3.
- Wells, Ebenezer, et al. (See Waite, Harry C., assignor.)
- Wells, George F., San Francisco, Calif. Electrically-heated waffle iron. 1,749,173; Mar. 4.
- Wells, George F., San Francisco, Calif. Electric toaster. 1,769,973; July 8.
- Wells, George F., San Francisco, Calif. Electrical cooking device. 1,772,171; Aug. 5.
- Wells, George M., assignor to American Steel Products Co., Macomb, Ill. Carton for sectoral canopies. 1,751,782; Mar. 25.

- Wells, George W., assignor of one-half to Walker Body Company, Amesbury, Mass. Door holder. 1,768,458; June 24.
- Wells, George W., assignor of one-half to Walker Body Company, Amesbury, Mass. Combined door holder and buffer. 1,768,459; June 24.
- Wells, Gordon M., San Diego, Calif., and G. M. McCann, New Castle, Del. Gun with removable liner. 1,772,505; Aug. 12.
- Wells, Harold R., Los Angeles, Calif. Scalp-massaging device. 1,743,297; Jan. 14.
- Wells, Harry L. (See Wysong, Ansel S., assignor.)
- Wells, Jewell W., assignor, by mesne assignments, to Mueller Co., Decatur, Ill. Plumbing service clamp. 1,770,960; July 22.
- Wells, Joel C., Southbridge, Mass. Ophthalmic mounting. 1,743,742; Jan. 14.
- Wells, Joel C., and E. L. Schumacher, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,779,789; Oct. 28.
- Wells, Lennie, and O. W. Eckstein, Long Beach, Calif. Combination expansion mill and underreamer. 1,764,373; June 17.
- Wells, Reginald E. (See Gibbons, H. R., and Wells.)
- Wells, Reginald E., East Orange, N. J., assignor to General Motors Corporation, Detroit, Mich. Roller bearing. 1,786,926; Dec. 30.
- Wells, Russell D., Pottstown, Pa. Gas range. 1,785,568; Dec. 16.
- Wells, Sidney D., Quincy, Ill. Digesting fibrous material. 1,771,598; July 29.
- Wells, Sidney D., assignor to Paper Mill Laboratories, Inc., Quincy, Ill. Making pulp. 1,746,451; Feb. 11.
- Wells, Sidney D., assignor, by mesne assignments, to The Mine & Smelter Supply Company, Denver, Colo. Pulp-ing fibrous material. 1,769,811; July 1.
- Wells, Walter W., assignor to Reo Motor Car Company, Lansing, Mich. Transmission. 1,782,184; Nov. 18.
- Wells, William H., Vancouver, British Columbia, Canada. Combination umbrella tent. 1,774,909; Sept. 2.
- Wells, William S., Los Angeles, Calif., assignor, by mesne assignments, to Wonder Weave, Inc., Boston, Mass. Loom shedding mechanism. 1,759,530; May 20.
- Wells, William S., Los Angeles, Calif., assignor, by mesne assignments, to Wonder Weave, Inc., Boston, Mass. Let-off mechanism for looms. 1,759,531; May 20.
- Wells, William S., Los Angeles, Calif., assignor, by mesne assignments, to Wonder Weave, Inc., Boston, Mass. Needle loom. 1,759,532; May 20.
- Wells, William S., Los Angeles, Calif., assignor, by mesne assignments, to Wonder Weave, Inc., Boston, Mass. Shuttle-operating mechanism. 1,759,533; May 20.
- Wells, William S., Los Angeles, Calif., assignor, by mesne assignments, to Wonder Weave, Inc., Boston, Mass. Loom. 1,765,708; June 24.
- Wellstatter, Rosa R., New York, N. Y. Garment. 1,747,562; Feb. 18.
- Welna, Henry P., St. Paul, Minn. Adjustable fastener for storm windows. 1,753,542; Apr. 8.
- Wels, Franz, assignor of one-half to C. Kronig, Schloss Harta, near Hohenelbe, Czechoslovakia. Pleasure sled or sleigh. 1,785,467; Dec. 16.
- Welsbach Traffic Signal Company. (See Keith, William G., assignor.)
- Welsch, Egon, Berlin-Britz, Germany. Automatic locking plant for vehicle doors. 1,768,224; June 24.
- Welsch, Wilhelm. (See Janisch, L., and Welsch.)
- Welsh, Arthur, and G. Raw, New Washington, England. Apparatus for conveying from the working face in mines. 1,781,259; Nov. 11.
- Welsh, Chester J., assignor to The Conneaut Shovel Company, Conneaut, Ohio. Scraper for cleaning streets and the like. 1,786,323; Dec. 23.
- Welsh-Hartman Co. (See Hartman, William O., assignor.)
- Welsh, John F., Pueblo, Colo. Amalgamator. 1,744,427; Jan. 21.
- Welsh, John T., Westfield, N. J. Control apparatus. 1,753,975; Apr. 8.
- Welsh Manufacturing Company, The. (See Pearce, Harold W., assignor.)
- Welsh, Ralph B., Burkhurnett, assignor of ten per cent to C. D. Rubel, twenty-four per cent to L. D. Mowrey, and one-fourth to J. H. Coggins, Wichita Falls, Tex. Sand bottom for pumps and bailers. 1,785,990; Dec. 23.
- Welshofer, John J., New York, N. Y. Sheet-metal door-frame construction. 1,769,280; July 1.
- Welt, Frank L., Somerville, Mass., deceased; H. L. Welt, administrator. Clamping device. 1,749,652; Mar. 4.
- Welt, Frank L., deceased; H. L. Welt, administrator, assignor to F. G. Kingston, C. C. Pimm, M. G. Kitchen, Somerville, and A. R. Kingston, Arlington, Mass., doing business as Builders Patent Scaffolding Company. Putlog. 1,167,333; June 24.
- Welt, Howard L., administrator. (See Welt, Frank L.)
- Welte-Mignon Corporation. (See Cheek, Tolbert F., assignor.)
- Welter, Adolf, Krefeld-Rheinhafen, Germany. Manufacturing dry, noncaking, readily-soluble soap in the form of threads. 1,779,301; Oct. 21.
- Welter, Grover C., Roswell, N. Mex. Novelty spur. Des. 80,653; Mar. 4.
- Weltha Process Corporation. (See Andersen, George F., assignor.)
- Welti-Furrer, A., A.-G. (See Leuzinger, Jakob, assignor.)
- Welton, P. E., Engineering Company, The. (See Welton, P. E., and Wadsworth, assignors.)
- Welton, Park E., Cuyahoga Falls, Ohio. Fuel briquette. 1,747,919; Feb. 18.
- Welton, Park E., Cuyahoga Falls, Ohio. Rubber calender. 1,751,116; Mar. 18.
- Welton, Park E., and G. H. Wadsworth, assignors to The P. E. Welton Engineering Company, Akron, Ohio. Fuel briquette. 1,783,759; Dec. 2.
- Welty, George D., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,775,446; Sept. 9.
- Wemb Company, The. (See Wagner, Albert G., assignor.)
- Wemhoener, Emil F. (See Beckham, W. L., and Wemhoener.)
- Wemp, Ernest E., Detroit, Mich. Vibration dampener. 1,750,827; Mar. 18.
- Wemp, Ernest E., Detroit, Mich. Clutch. 1,750,828; Mar. 18.
- Wemp, Ernest E., Detroit, Mich. Clutch friction device. 1,765,304; June 17.
- Wemp, Ernest E., Detroit, Mich. Differential-action clutch. 1,782,158; Nov. 18.
- Wempe, Friedrich. (See Hartmann, O. H., and Wempe.)
- Wenalan, Hannah, Highland Park, Ill. Chopper. 1,780,453; Nov. 4.
- Wendel, Ada B., Smithland, Iowa. Shade and curtain fixture. 1,787,097; Dec. 30.
- Wendel, Daniel C. (See Mueller, C. C., jr., and Wendel.)
- Wendell, Evert J., Wayne, Pa. Relief valve for pumps. 1,771,975; July 29.
- Wendell, Evert J., Wayne, Pa. Rotary pump. 1,781,619; Nov. 11.
- Wendler, Adolph F., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Filter press. 1,765,389; June 24.
- Wendler, Adolph F., and I. T. Thornton, Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Metallic structure. 1,774,860; Sept. 2.
- Wendrick, Carl F., jr., Chicago, Ill. Chart device. 1,742,227; Jan. 7.
- Wendt, Alfred, Fresno, Calif. Hand tool. 1,756,773; Apr. 29.
- Wendt, Bruno. (See Eggert, J., Schmidt, and Wendt.)
- Wendt, Bruno. (See Matthies, O., and Wendt.)
- Wendt, Bruno, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Desensitizer and process of desensitizing light-sensitive photographic materials. 1,753,911; Apr. 8.
- Wendt, Johannes H., Evanston, Ill. Aeroplane. Des. 82,231; Oct. 7.
- Wendt, Robert H. (See Wolff, Walter, assignor.)
- Wendt, William H., Little Falls, Minn. Collapsible shaft. 1,746,976; Feb. 11.
- Wendt, William H., Little Falls, Minn. Propeller attachment. 1,757,761; May 6.
- Wengard, Ben, assignor to The Hinson Manufacturing Company, Waterloo, Iowa. Ball carrier for golf bags. 1,744,939; Jan. 28.
- Wengel, Raymond W. (See Taylor, H. G., and Wengel.)
- Wenischner, Johann, Graz-Eggenberg, Austria. Combined sitz bath. 1,751,180; Mar. 18.
- Wennerberg, Carl J. (See Fuller, J. C., and Wennberg.)
- Wennerberg, August, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Power-driven apparatus. 1,764,665; June 17.
- Wenner-Gren, Axel L., Stockholm, Sweden, assignor to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Vacuum cleaner. 1,782,640; Nov. 25.
- Wensley, Earl. (See Gudge, A. W., and Wensley.)
- Wensley, Earl, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Sound or vibration transmitting apparatus. 1,752,515; Apr. 1.
- Wensley, Roy J., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,744,188; Jan. 21.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,745,071; Jan. 28.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,745,072; Jan. 28.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,749,553; Mar. 4.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Theater-light-control apparatus. 1,763,113; June 10.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Televox controller and supervisor. 1,765,471; June 24.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Talking televox. 1,765,554; June 24.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protecting synchronous machinery. 1,770,961; July 22.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Periodic-reclosing circuit-breaker system. 1,786,324; Dec. 23.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,786,805; Dec. 30.

- Wensley, Roy J., Edgewood, and V. K. Zworykin, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. Traffic supervisor. 1,743,175; Jan. 14.
- Wente, Edward C., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for determining the properties of acoustic materials. 1,743,414; Jan. 14.
- Wente, Edward C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrodynamical device. 1,766,473; June 24.
- Wente, Edward C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound-recording system. 1,784,858; Dec. 16.
- Wentorf, Robert H., assignor to West Bend Aluminum Company, West Bend, Wis. Coffee percolator. 1,769,729; July 1.
- Wentworth, Merton W., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Diagnosing for light treatment. 1,748,403; Feb. 25.
- Wentworth, Pearl J., Fort Thomas, Ky. Machine for trimming sole margins. 1,759,380; May 20.
- Wentworth, Pearl J., Fort Thomas, Ky. Sole-trimming machine. 1,773,559; Aug. 19.
- Wentz, George F., Colorado Springs, Colo. Device for dispensing liquids. 1,763,732; June 17.
- Wentz, Jere L., assignor to Portable Machinery Company, Inc., Passaic, N. J. Conveyor. Re17,663; May 13.
- Wentz, Jere L., Passaic, assignor to Portable Machinery Company, Inc. Clifton, N. J. Conveyor belt. 1,771,516; July 29.
- Wentz, Jesse F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Treating loaded submarine cables. 1,751,259; Mar. 18.
- Wentz, Jesse F., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. 1,756,319; Apr. 29.
- Wenz, Jonathan, G. Brunhübner, and J. Alvera, assignors to E. G. Bek, Pforzheim, Germany. Soldering the links of wire chains or chain mesh. 1,775,839; Sept. 16.
- Wenzel, Ann M., Brooklyn, N. Y. Adjustable gauge for sewing machines. 1,761,856; June 3.
- Wenzel, Anna M., Brooklyn, N. Y. Gauge for sewing machines. 1,761,857; June 3.
- Wenzel, Anna M., Brooklyn, N. Y. Automatic presser-foot-lifting mechanism. 1,761,899; June 3.
- Wenzel, John, Chillicothe, Ohio. Doctor for paper-making machines. 1,786,587; Dec. 30.
- Wenzel, Max, Muldenstein, near Bitterfeld, Germany. Paper manufacture. 1,783,868; Dec. 2.
- Wenzl, Hermann. (See Schwalbe, C. G., and Wenzl.)
- Wenzl, Mathias. (See Schack, A., and Wenzl.)
- Wenzlawski, Karl E., Galveston, Tex. Electric switch. 1,781,260; Nov. 11.
- Werbe, Walter F., Martinsville, Ind. Gate. 1,778,651; Oct. 14.
- Werber, Max, Beacon, N. Y. Coat. Des. 81,216; May 20.
- Werber, Max, Poughkeepsie, N. Y. Combination garment. 1,772,298; Aug. 5.
- Werder, John F., assignor of one-half to E. Rogers, Cleveland, Ohio. Sealing composition. 1,744,348; Jan. 21.
- Werder, John F., Cleveland, Ohio, assignor of one-half to E. Rogers. System of lubrication. 1,762,902; June 10.
- Werder, John F., Cleveland, Ohio, assignor of one-half to E. Rogers. Self-dispensing liquid package. 1,762,903; June 10.
- Werdohler Pumpenfabrik Paul Hillebrand G. m. b. H. (See Hillebrand, Paul, assignor.)
- Werk, Henry T., Cleveland, Ohio. Sod-trimming machine. 1,761,858; June 3.
- Werkenthin, Theodore A., assignor to The Solar Refining Company, Lima, Ohio. Process and apparatus for the fractional extraction of petroleum hydrocarbons with alcohol. 1,766,768; June 24.
- Werkenthin, Theodore A., assignor to The Solar Refining Company, Lima, Ohio. Apparatus for fractionally extracting petroleum hydrocarbons with alcohol. 1,781,420; Nov. 11.
- Werkenthin, Theodore A., assignor to The Solar Refining Company, Lima, Ohio. Fractionally extracting petroleum hydrocarbons with alcohol. 1,781,421; Nov. 11.
- Werkenthin, Theodore A., assignor to The Solar Refining Company, Lima, Ohio. Process of and apparatus for the fractional extraction of petroleum hydrocarbons with alcohol. 1,783,203; Dec. 2.
- Werlich, John, Preston, Ontario, Canada. Child's wagon. 1,782,330; Nov. 18.
- Werme, Adolph. (See Reed, E. W., and Werme.)
- Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Electric socket. 1,745,133; Jan. 28.
- Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Electric connector. 1,751,299; Mar. 18.
- Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Electric coil and transformer and making same. 1,763,114; June 10.
- Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Weatherproof electric winding. 1,763,115; June 10.
- Werner, Edward A., Atlanta, Ga. Joining dissimilar bodies. 1,768,180; June 24.
- Werner, Erhard, New York, N. Y. Treadle switch. 1,758,548; May 13.
- Werner, Ernst A. G., Brooklyn, N. Y. Wrench. 1,784,123; Dec. 9.
- Werner, Ervin, Brooklyn, N. Y. Hand scraper. 1,785,754; Dec. 23.
- Werner, Frank J., Porter Township, Porter County, Ind. Continuous heating furnace. 1,774,306; Aug. 26.
- Werner, Frank J., jr., Lansdale, Pa. Heating unit. 1,776,530; Sept. 23.
- Werner, Frank J., Portage Township, Porto County, Ind. Burner structure. 1,783,818; Dec. 2.
- Werner, Frederick W., and E. T. Johnston, Joliet, Ill. Desulphurization of gas. 1,779,024; Oct. 21.
- Werner, Fritz, Leipzig, Germany. Production of a cooling liquid possessing a low freezing point. 1,771,517; July 29.
- Werner, Karl, Nuremberg-Eibach, assignor to Progress Gesellschaft fuer Textilmaschinen mit beschraenkter, Haftung, Nuremberg, Germany. Loom-operating device. 1,767,906; June 24.
- Werner, Oscar, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Airport flood-lighting projector. 1,765,354; June 17.
- Werner, Pauline, née Fresenius, Stuttgart, Germany. Bust support. 1,782,279; Nov. 18.
- Werner, Peter J., and J. Sobczak, Milwaukee, Wis. Miniature domicile tree holder. 1,761,062; June 3.
- Werner, Richard, Heidelberg, and A. Rothmann Berlin-Charlottenburg, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Alkaline-earth-metal salts of arsenobenzene derivatives. 1,779,649; Oct. 28.
- Werner, Vernon S., Morris, Ill. Combination cigarette container, igniter, and ejector. 1,782,081; Nov. 18.
- Wernicke, Herman. (See Noelle, William, assignor.)
- Wernicke, Louis, West Bend, Wis. Combination tool. 1,772,925; Aug. 12.
- Wernle, Karl A., assignor to James B. Clowe & Sons, Chicago, Ill. Mixing valve. 1,773,331; Aug. 19.
- Werotte, Séraphin, Auvclais, Belgium, assignor, by mesne assignments, to The American Bicheroux Company. Method and apparatus for conveying strips, sheets, or plates of glass. 1,767,907; June 24.
- Werschky, Robert, Denver, Colo. Finishing shoes. 1,775,010; Sept. 2.
- Wersebe, Fritz, Hagen, Germany. Smoker's ash receptacle. 1,743,507; Jan. 14.
- Wershinin, Georg P., Moscow, Union of Soviet Socialist Republics. Double draft arrangement for spinning flax, jute, and similar fiber. 1,766,864; June 24.
- Werst, Charles W., Philadelphia, Pa. Locomotive frame. 1,759,675; May 20.
- Werthmann, Fritz, Duisburg-Ruhrort, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Düsseldorf, Germany. Crossing composed of Vignoles rails. 1,765,856; June 24.
- Werthmann, Paul, Crofton, Nebr. Automobile power-transmission mechanism. 1,748,160; Feb. 25.
- Wertman, Oscar L., and P. W. Ratcliff, Dietz, Wyo. Railway switch. 1,772,332; Aug. 5.
- Wertz, Austin L., Cleveland, Ohio. Flushing and cleaning device. 1,756,410; Apr. 29.
- Wertz, Austin L., Lakewood, Ohio. Display device for dispensing pumps. 1,765,556; June 24.
- Wertz Company, The. (See Wertz, Louis S., assignor.)
- Wertz, John A., Canton, Ohio. Reflector signal. 1,749,405; Mar. 4.
- Wertz, La Verne F., Buffalo, N. Y. Aeroplane construction. 1,748,262; Feb. 25.
- Wertz, Louis S., Shaker Heights, assignor to The Wertz Company, Cleveland, Ohio. Apparatus for treating masonry surfaces. 1,766,419; June 24.
- Wertz, Roy O., assignor to The Ohio Electric and Controller Company, Cleveland, Ohio. Connector. 1,753,179; Apr. 1.
- Wertzberger, Dallas D., Tulsa, Okla. Foot casting for derricks and using the same. 1,781,889; Nov. 18.
- Wertzberger Derrick Company. (See Dunham, Orson W., assignor.)
- Wery, Jules, deceased, Deerfield; M. Wery, administratrix, assignor to S. G. Gorsline, River Forest, Ill. Canclosing machine. 1,780,729; Nov. 4.
- Wery, May, administratrix. (See Wery, Jules.)
- Wescott, William B., Boston, Mass., assignor to Rubber Latex Research Corporation, Boston, Mass. Purifying and concentrating latex. 1,754,535; Apr. 15.
- Wescott, William B., assignor to Rubber Latex Research Corporation, Boston, Mass. Dry molding. 1,756,411; Apr. 29.
- Wescott, William B., assignor to Rubber Latex Research Corporation, Boston, Mass. Treating rubber latex and product thereof. 1,762,494; June 10.
- Wescott, William B., Dover, assignor to Rubber Latex Research Corporation, Boston, Mass. Tread stock and making the same. 1,767,234; June 24.
- Wescott, William B., assignor to Rubber Latex Research Corporation, Boston, Mass. Composite rubber articles of graded properties and method of making the same. 1,768,346; June 24.
- Wesol, F., Manufacturing Company. (See Adam, William J., assignor.)
- Wesol, F., Manufacturing Company. (See Bassist, Ellis, assignor.)
- Wesix National Company. (See Kercher, Arthur J., assignor.)

- Wesix National Company. (See Kercher, A. J., and Hicks, assignor.)
- Weslake, Henry, London, England. Carburetor for internal-combustion engines. 1,750,376; Mar. 11.
- Wesley, Joseph A., assignor to Lu-Mi-Nus Signs, Inc., Chicago, Ill. Advertising sign. Des. 80,713; Mar. 11.
- Wesley, Perley R., assignor to Davol Rubber Co., Providence, R. I. Crutch tip. Des. 81,900; Aug. 26.
- Wesley, Rolland D., Norton, Kans. Aeroplane control. 1,776,378; Sept. 23.
- Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 81,170; May 13.
- Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 81,171; May 13.
- Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Cup or the like. Des. 81,728; July 29.
- Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Covered dish or similar article. Des. 82,121; Sept. 23.
- Wessel, Lawrence V., Manson, assignor to Wisconsin Lumber Company, Des Moines, Iowa. Hog house. 1,744,692; Jan. 21.
- Wesselhoft, Robert. (See de Marquez, Daniel E., assignor.)
- Wessman, Arnt W. (See Johnson, A. E. W., and Wessman.)
- Wessman, Edwin G., Easton, Pa., and H. A. Stone, Bogota, N. J., assignors to Individual Drinking Cup Company Inc., Easton, Pa. Paper-cup-making machine. 1,766,420; June 24.
- Wesson, Douglas B., Longmeadow, Mass. Wrench. 1,746,452; Feb. 11.
- Wesson, Harold, assignor to Smith and Wesson, Inc., Springfield, Mass. Flush valve. 1,782,221; Nov. 18.
- Wesson, Harold, assignor to Smith and Wesson, Inc., Springfield, Mass. Flush valve. 1,782,222; Nov. 18.
- Wesson Sales Company, The. (See Smith, John H., assignor.)
- West Bend Aluminum Company. (See Kircher, Ralph N., assignor.)
- West Bend Aluminum Company. (See Kocher, Alfred C., assignor.)
- West Bend Aluminum Company. (See Wentorf, Robert H., assignor.)
- West Boylston Manufacturing Company. (See Burns, Alfred, assignor.)
- West, Byron L., Hamburg, assignor to National Aniline Chemical Company, Inc., New York, N. Y. Azo coloring matter. 1,785,799; Dec. 23.
- West, Charles P., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-starting system. 1,757,606; May 6.
- West, Charles P., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Converter-polarizing system. 1,763,622; June 10.
- West, Charles P., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-starting system. 1,768,811; July 1.
- West Coast Manufacturing Company. (See Minnick, Frederick L., assignor.)
- West Coast Soap Company. (See Reinle, Fred P., assignor.)
- West, Donald C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,753,958; Apr. 8.
- West End Chemical Company. (See Hellmers, Henry D., assignor.)
- West, Erasmus G., Carmichaels, Pa. Antiaircraft shell. 1,757,788; May 6.
- West, Frank R., Detroit, Mich., assignor to Copeland Products, Inc. Pump for refrigerating apparatus. 1,769,978; July 8.
- West, George E., Van Buren, Ark., assignor to Cream Separator Bottle, Inc. Milk bottle. 1,770,093; July 8.
- West, George W., West Warwick, R. I. Oil-can support and oil stove. 1,784,716; Dec. 9.
- West, Henry J. (See Mirfield, Theon N., assignor.)
- West, Howard W., Portsmouth, Va. Furnace of heater construction. 1,760,330; May 27.
- West, Howard W., and R. D. Sanders, Norfolk, Va. Waste-control device for washbasins, sinks, or tubs. 1,770,639; July 15.
- West, James H., Houston, Tex. Indicator. 1,742,567; Jan. 7.
- West, Lon E., Waynesburg, Pa. Absorber. 1,742,944; Jan. 7.
- West, Paul F., Detroit, Mich. Vapor-supplying attachment. 1,781,356; Nov. 11.
- West, Ross R., San Mateo, Calif. Vault ventilator. 1,786,277; Dec. 23.
- West, Ross R., San Francisco, Calif. Record tray. 1,786,411; Dec. 23.
- West, William L., assignor of one-half to W. M. Hall, Belmont, N. C. Electrical float for fishlines. 1,759,381; May 20.
- Westberg, Edward. (See Benson, Ernest J., assignor.)
- Westberg, Robert, and E. Timm, Oakland, assignors of one-third to P. R. Lindale, San Francisco, Calif. Liquid-dispensing apparatus. 1,753,278; Apr. 8.
- Westberg, Sigurd, Germantown, Pa. Refining iron and steel. 1,786,806; Dec. 30.
- Westbrook, Roy E., Emmett, Idaho. Packing fruit. 1,758,771; May 13.
- Westbrook, Thomas E. (See Davis, John U., assignor.)
- Westbrook, William E., Tiffin, Ohio. Table and lap drawing and reading stand. 1,767,950; June 24.
- Westco-Chippewa Pump Company. (See Derrick, William L., assignor.)
- Westcott, C. M. (See Cavanagh, Hubert L., assignor.)
- Westcott Hosiery Mills. (See Young, David H., assignor.)
- Westcott, Philip S., Oak Park, Ill. Toy railway track 1,773,560; Aug. 19.
- Westdahl, Sven A., Sellersville, Pa. Slicing machine. 1,751,672; Mar. 25.
- Westerbeck, Frederick, University City, Mo. Can. 1,746,807; Feb. 11.
- Westerberg, Carl A. A., assignor to Aktiebolaget Superior, Stockholm, Sweden. Steam cleansing device for locomotive and similar boilers. 1,755,855; Apr. 22.
- Westerberg, Jennie M., Boring, Oreg. Strainer for milk pails. 1,767,269; June 24.
- Westerfield, Brasher O., assignor to Bunte Brothers, Chicago, Ill. Packaging candy canes. 1,755,234; Apr. 22.
- Westerlund, Bengt D. O. (See Ekholm, C. G., and Westerlund.)
- Westerlund, Charlie, San Antonio, Tex. Toy. 1,755,619; Apr. 22.
- Western Blind & Screen Co. (See Dunn, J. W., and Ruby, assignors.)
- Western Cartridge Company. (See Olin, John M., assignor.)
- Western Cartridge Company. (See O'Neil, A. S., and Schuricht, assignors.)
- Western Cartridge Company. (See O'Neil, A. S., Schuricht, and Olin, assignors.)
- Western Cartridge Company. (See Rousseau, Stanislas, assignor.)
- Western Clock Company. (See Kaefer, Martin H., assignor.)
- Western Company. (See Beal, C. H., and Miller, assignors.)
- Western Electric Company. (See Adams, Arthur H., assignor.)
- Western Electric Company. (See Akers, Milton K., assignor.)
- Western Electric Company. (See Aldendorff, Fritz, assignor.)
- Western Electric Company. (See Anderson, Carter H., assignor.)
- Western Electric Company. (See Anderson, Sidney E., assignor.)
- Western Electric Company. (See Bandur, Adolph F., assignor.)
- Western Electric Company. (See Barrans, William T., assignor.)
- Western Electric Company. (See Beardsley, H. I., and Clarke, assignors.)
- Western Electric Company. (See Beath, C. P., and Babbitt, assignors.)
- Western Electric Company. (See Bell, John H., assignor.)
- Western Electric Company. (See Betts, Philander H., assignor.)
- Western Electric Company. (See Black, Harold S., assignor.)
- Western Electric Company. (See Blankenstein, E. E., and Coulter, assignors.)
- Western Electric Company. (See Blood, Harold L., assignor.)
- Western Electric Company. (See Blount, Harry, assignor.)
- Western Electric Company. (See Bouvier, George A., assignor.)
- Western Electric Company. (See Bouvier, G. A., and Case, assignors.)
- Western Electric Company. (See Bowly, H. W., and McWilliams, assignors.)
- Western Electric Company. (See Boynton, Stanley E., assignor.)
- Western Electric Company. (See Bracke, Oscar, assignor.)
- Western Electric Company. (See Bresters, William, assignor.)
- Western Electric Company. (See Brown, R. W., and Paulson, assignors.)
- Western Electric Company. (See Buckley, Oliver E., assignor.)
- Western Electric Company. (See Burchett, George W., assignor.)
- Western Electric Company. (See Bureau, Arthur A., assignor.)
- Western Electric Company. (See Burns, L. J., and Coon, assignors.)
- Western Electric Company. (See Campbell, Tracy R., assignor.)
- Western Electric Company. (See Canning-Martinsson, Gunnar R., assignor.)
- Western Electric Company. (See Carrington, Foster R., assignor.)
- Western Electric Company. (See Cherry, George L., assignor.)
- Western Electric Company. (See Cioffi, Paul P., assignor.)
- Western Electric Company, Incorporated. (See Cook, James M., assignor.)
- Western Electric Company. (See Cook, William J., assignor.)
- Western Electric Company. (See Curtis, Alfred S., assignor.)
- Western Electric Company, Incorporated. (See Dean, Reginald S., assignor.)

- Western Electric Company. (See Deloraine, E. M., and Sandeman, assignors.)
- Western Electric Company, Incorporated. (See Donnelley, Edward J., assignor.)
- Western Electric Company. (See Dowd, Andrew D., assignor.)
- Western Electric Company. (See Drew, Howard S., assignor.)
- Western Electric Company. (See Edelmann, Otto, assignor.)
- Western Electric Company. (See Elmen, Gustaf W., assignor.)
- Western Electric Company. (See Englund, Carl R., assignor.)
- Western Electric Company. (See Farrington, John F., assignor.)
- Western Electric Company. (See Fay, Joseph W., assignor.)
- Western Electric Company. (See Fearing, Justin L., assignor.)
- Western Electric Company. (See Feeney, John D., assignor.)
- Western Electric Company. (See Fondiller, William, assignor.)
- Western Electric Company. (See Franks, Clem H., assignor.)
- Western Electric Company. (See Franks, C. H., and Olsen, assignors.)
- Western Electric Company. (See Friis, Harald T., assignor.)
- Western Electric Company. (See Fruth, Hal F., assignor.)
- Western Electric Company. (See Fruth, H. F., and Westhafer, assignors.)
- Western Electric Company. (See Fry, J. R., and Hantzsch, assignors.)
- Western Electric Company. (See Fultz, M. E., and Knetles, assignors.)
- Western Electric Company. (See Gilbert, John J., assignor.)
- Western Electric Company. (See Goodrum, Charles L., assignor.)
- Western Electric Company. (See Gould, John R., assignor.)
- Western Electric Company. (See Grant, Robert, assignor.)
- Western Electric Company. (See Gray, Frank, assignor.)
- Western Electric Company. (See Green, Charles W., assignor.)
- Western Electric Company. (See Griffin, Dana A., assignor.)
- Western Electric Company. (See Griggs, Elmer V., assignor.)
- Western Electric Company. (See Grondahl, Hans H. C., assignor.)
- Western Electric Company. (See Gudge, A. W., and Wensley, assignors.)
- Western Electric Company. (See Hagemann, Edwin C., assignor.)
- Western Electric Company. (See Hall, Earl C., assignor.)
- Western Electric Company. (See Harrison, Henry C., assignor.)
- Western Electric Company. (See Hartley, Ralph V. L., assignor.)
- Western Electric Company. (See Heimberger, H. T., and Pugh, assignors.)
- Western Electric Company. (See Heising, Raymond A., assignor.)
- Western Electric Company. (See Hibbard, Frank H., assignor.)
- Western Electric Company. (See Hoag, Charles I., assignor.)
- Western Electric Company. (See Hofstetter, Robert, assignor.)
- Western Electric Company. (See Houts, Guy J., assignor.)
- Western Electric Company. (See Houts, G. J., Tournier and Wulff, assignors.)
- Western Electric Company. (See Howard, R. S., Brodie, and Westhafer, assignors.)
- Western Electric Company. (See Hubbard, Francis A., assignor.)
- Western Electric Company. (See Huiskens, A. H., and Roman, assignors.)
- Western Electric Company. (See Hurford, G., and Kipping, assignors.)
- Western Electric Company. (See Ives, Herbert E., assignor.)
- Western Electric Company. (See Jespersen, Helgo W., assignor.)
- Western Electric Company. (See Jessup, Richard D., assignor.)
- Western Electric Company. (See Johnson, Kenneth S., assignor.)
- Western Electric Company. (See Johnson, Louis E., assignor.)
- Western Electric Company. (See Johnston, John, assignor.)
- Western Electric Company. (See Jongedyk, Ralph, assignor.)
- Western Electric Company. (See Jonkel, F. F., and Larson, assignors.)
- Western Electric Company. (See Jorgensen, Edmund N., assignor.)
- Western Electric Company. (See Kaempff, E., and Dalzell, assignors.)
- Western Electric Company. (See Karcher, John C., assignor.)
- Western Electric Company. (See Keller, Frederick L., assignor.)
- Western Electric Company. (See Kemp, Archie R., assignor.)
- Western Electric Company. (See Kendall, Burton W., assignor.)
- Western Electric Company. (See Kingsbury, Edwin F., assignor.)
- Western Electric Company. (See Kivley, Ray C., assignor.)
- Western Electric Company. (See Linkenheld, Clarence F., assignor.)
- Western Electric Company. (See Liss, August S., assignor.)
- Western Electric Company. (See Lum, George R., assignor.)
- Western Electric Company. (See Lundell, A. E., and Clark, assignors.)
- Western Electric Company. (See Malm, Frank S., assignor.)
- Western Electric Company. (See Malone, H. E., and Pryor, assignors.)
- Western Electric Company. (See Marrison, Warren A., assignor.)
- Western Electric Company. (See Martell, Charles, assignor.)
- Western Electric Company. (See Martell, C., and Hagen, assignors.)
- Western Electric Company. (See Martindell, Frank, assignor.)
- Western Electric Company. (See Massingham, Henry R., assignor.)
- Western Electric Company. (See Mathes, Robert C., assignor.)
- Western Electric Company. (See Matthern, O. W., and Siebs, assignors.)
- Western Electric Company. (See McCann, Paul S., assignor.)
- Western Electric Company. (See McDonough, J., and Normann, assignors.)
- Western Electric Company. (See McFarland, Robert E., assignor.)
- Western Electric Company. (See McGuire, Lee R., assignor.)
- Western Electric Company. (See McKeon, Elisha J., assignor.)
- Western Electric Company. (See McMullan, S., and Schulz, assignors.)
- Western Electric Company. (See Menefee, Harry R., assignor.)
- Western Electric Company. (See Moore, Charles R., assignor.)
- Western Electric Company. (See Mueller, Emil C., jr., assignor.)
- Western Electric Company. (See Nichols, Harold W., assignor.)
- Western Electric Company. (See Nielsen, John F., assignor.)
- Western Electric Company. (See Oesteri, Frank D., assignor.)
- Western Electric Company. (See Olsen, Marvin R., assignor.)
- Western Electric Company. (See Oswald, Arthur A., assignor.)
- Western Electric Company. (See Oswald, A. A., and Schelleng, assignors.)
- Western Electric Company. (See Oudin, F., and Skinner, assignors.)
- Western Electric Company. (See Patchen, R. H., and Rock, assignors.)
- Western Electric Company. (See Paulson, Christian, assignor.)
- Western Electric Company. (See Peoples, John S., assignor.)
- Western Electric Company. (See Pfeiffer, Conrad L., assignor.)
- Western Electric Company. (See Piper, Harry D., assignor.)
- Western Electric Company. See Pocock, L. C., and Blackburn, assignors.)
- Western Electric Company. (See Powell, Raymond E., assignor.)
- Western Electric Company. (See Pritchard, Amos D., assignor.)
- Western Electric Company. (See Purdy, Chester A., assignor.)
- Western Electric Company. (See Quarles, Donald A., assignor.)
- Western Electric Company. (See Ray, William H., assignor.)
- Western Electric Company. (See Reichelt, L. O., and Robloff, assignors.)
- Western Electric Company et al. (See Rhodes, W. A., and Dahl, assignor.)
- Western Electric Company. (See Rock, George L., assignor.)
- Western Electric Company. (See Roman, F. L., and Winse-mius, assignors.)
- Western Electric Company. (See Roscoe, Robert, assignor.)
- Western Electric Company. (See Royal, James M., assignor.)

Western Electric Company. (See Ruthven, William, assignor.)
 Western Electric Company. (See Sanborn, Francis A., assignor.)
 Western Electric Company. (See Schelleng, John C., assignor.)
 Western Electric Company. (See Schenk, Rudolf, assignor.)
 Western Electric Company. (See Scheuch, William A., assignor.)
 Western Electric Company. (See Schwerin, Paul, assignor.)
 Western Electric Company. (See Scott, James W., assignor.)
 Western Electric Company. (See Scrantom, De Hart G., assignors.)
 Western Electric Company. (See Selvig, John N., assignor.)
 Western Electric Company. (See Shallcross, James, assignor.)
 Western Electric Company. (See Shea, Timothy E., assignor.)
 Western Electric Company. (See Shewmon, Dan D., assignor.)
 Western Electric Company. (See Shope, James W., assignor.)
 Western Electric Company. (See Short, Samuel F., assignor.)
 Western Electric Company. (See Siebs, Claude T., assignor.)
 Western Electric Company. (See Siebs, C. T., and Daniel, assignors.)
 Western Electric Company. (See Skillman, Thomas S., assignor.)
 Western Electric Company. (See Smythe, Edwin H., assignor.)
 Western Electric Company. (See Snell, Harry S., assignor.)
 Western Electric Company. (See Spencer, Frank C., assignor.)
 Western Electric Company. (See Sprague, Clarence A., assignor.)
 Western Electric Company. (See Stearns, Harry C., assignor.)
 Western Electric Company. (See Stoller, Hugh M., assignor.)
 Western Electric Company. (See Strawn, Marion L., assignor.)
 Western Electric Company. (See Stull, John S., assignor.)
 Western Electric Company. (See Ten Eyck, William B., assignor.)
 Western Electric Company. (See Till, Harris R., assignor.)
 Western Electric Company. (See Tomlin, James H., assignor.)
 Western Electric Company. (See Trebes, Bruno M. A., assignor.)
 Western Electric Company. (See Wales, Charles, assignor.)
 Western Electric Company. (See Walker, Howard G., assignor.)
 Western Electric Company. (See Ward, Henry L., assignor.)
 Western Electric Company. (See Wennerberg, August, assignor.)
 Western Electric Company. (See Wensley, Earl, assignor.)
 Western Electric Company. (See Wente, Edward C., assignor.)
 Western Electric Company. (See Wentz, Jesse F., assignor.)
 Western Electric Company. (See Weston, William K., assignor.)
 Western Electric Company. (See Wheeler, Clyde H., assignor.)
 Western Electric Company. (See Whitefield, Harold B., assignor.)
 Western Electric Company. (See Whittle, Horace, assignor.)
 Western Electric Company. (See Wier, Harry B., assignor.)
 Western Electric Company. (See Wright, Esmond P. G., assignor.)
 Western Electric Company. (See Wright, E. P. G., Baker, and Cameron, assignors.)
 Western Electric Company. (See Wright, J. C., Wheeler, and Wood, assignors.)
 Western Electric Company Incorporated. (See Janicki, John, assignor.)
 Western Electric Piano Company. (See Larson, Axel F., assignor.)
 Western Foundation Company. (See Thornley, Joseph H., assignor.)
 Western Foundry Company. (See Brainard, Charles E., assignor.)
 Western Gas Construction Company, The. (See Kirkpatrick, William C., assignor.)
 Western Gas Construction Company. (See Stone, Thomas W., assignor.)
 Western Implements Limited. (See Goodfellow, Sampson J., assignor.)
 Western Lithograph Company. (See Tull, Roger, assignor.)
 Western Lithograph Company. (See Tull, R., and Smith, assignors.)

Western Metal Specialty Company. (See Goetz, Julius J., assignor.)
 Western Railway Equipment Company. (See Cooper, W. E., and Habenicht, assignors.)
 Western Railway Equipment Company. (See Hoerr, Louis A., assignor.)
 Western Railway Equipment Company. (See Hoerr, L. A., and Habenicht, assignors.)
 Western States Machine Company, The. (See Roberts, Eugene, assignor.)
 Western Stoneware Company. (See Dains, Irven F., assignor.)
 Western Stoneware Co. (See Strand, John M., assignor.)
 Western Sulphur Company. (See Wright, Jacob H., assignor.)
 Western Supplies Co. (See Woodworth, Roy V., assignor.)
 Western Supply Company. (See Crotto, Frank E., assignor.)
 Western Tool and Wrench Company. (See Peterson, Axel W., assignor.)
 Western Union Telegraph Company, The. (See Angel, Herbert, assignor.)
 Western Union Telegraph Company. (See Atherton, Albert, assignor.)
 Western Union Telegraph Company, The. (See d'Humy, Fernand E., assignor.)
 Western Union Telegraph Company, The. (See D'Humy, F. E., and Creedon, assignors.)
 Western Union Telegraph Company, The. (See Dirkes, R. F., and Wheeler, assignors.)
 Western Union Telegraph Company, The. (See Drenkard, Adam, jr., assignor.)
 Western Union Telegraph Company, The. (See Finn, A. J., and Myer, assignors.)
 Western Union Telegraph Company, The. (See Fluharty, William G., assignor.)
 Western Union Telegraph Company, The. (See Francis, William H., assignor.)
 Western Union Telegraph Company, The. (See Griffith, Francis, assignor.)
 Western Union Telegraph Company, The. (See Haglund, Hakon H., assignor.)
 Western Union Telegraph Company, The. (See Haupt, F. J., and Sortore, assignors.)
 Western Union Telegraph Company, The. (See Janson, George W., assignor.)
 Western Union Telegraph Company. (See Light, G. G., Drake, Rudd, and Blanton, assignors.)
 Western Union Telegraph Company, The. (See Long, J. W., and Sortore, assignors.)
 Western Union Telegraph Company, The. (See Mample, Adolph Z., assignor.)
 Western Union Telegraph Company, The. (See McGuinness, W. V., Chulstrom, and Francis, assignors.)
 Western Union Telegraph Company, The. (See McGuinness, William V., assignor.)
 Western Union Telegraph Company, The. (See Meader, Ralph L., assignor.)
 Western Union Telegraph Company, The. (See Milnor, Joseph W., assignor.)
 Western Union Telegraph Company. (See Milnor, J. W., and Bramhall, assignors.)
 Western Union Telegraph Company, The. (See Milnor, J. W., and Cannon, assignors.)
 Western Union Telegraph Company, The. (See Milnor, J. W., and Cramer, assignors.)
 Western Union Telegraph Company, The. (See Morgenstern, Ronald V., assignor.)
 Western Union Telegraph Company, The. (See Mott, Everett V., Rovere, and Rowland, assignors.)
 Western Union Telegraph Company, The. (See Nelson, Crescent F., assignor.)
 Western Union Telegraph Company, The. (See Perry, William C., assignor.)
 Western Union Telegraph Company, The. (See Reed, Leland A., assignor.)
 Western Union Telegraph Company, The. (See Ridge, Guy H., assignor.)
 Western Union Telegraph Company, The. (See Rothermel, S. W., and Hewitt, assignors.)
 Western Union Telegraph Company, The. (See Steeneck, Robert, assignor.)
 Western Union Telegraph Company, The. (See Wheeler, Evan R., assignor.)
 Western Wheeled Scraper Company. (See Morton, Rolla A., assignor.)
 Western Wheeled Scraper Company. (See Morton, R. A., and Henry, assignors.)
 Western Wheeled Scraper Company. (See Slaker, Joseph H., assignor.)
 Western Wire Products Co. (See Young, Lee C., assignor.)
 Westfield River Paper Company. (See Scheele, Edwin H., assignor.)
 Westgaard, Levi, and G. M. Taggart, jr., Seattle, Wash. Eye shade. 1,778,133; Oct. 14.
 Westgard, Thomas, Great Falls, Mont. Pneumatic spiral water pump. 1,774,776; Sept. 2.
 Westheimer, Mollie T., Houston, Tex. Holder. 1,770,962; July 22.
 Westhafer, Terrence O. (See Fruth, H. F., and Westhafer.)
 Westhafer, Terrence O. (See Howard, R. S., Brodie, and Westhafer.)

- Westin, Daniel B., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for handling glassware. 1,766,573; June 24.
- Westin, Daniel B., and H. W. Ingle, assignors to Hartford-Empire Company, Hartford, Conn. Apparatus for handling glassware. 1,766,574; June 24.
- Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
- Westinghouse Air Brake Company, The. (See Beecher, Eugene L., assignor.)
- Westinghouse Air Brake Company, The. (See Dean, William E., assignor.)
- Westinghouse Air Brake Company, The. (See Dormoy, Jules M. J., assignor.)
- Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
- Westinghouse Air Brake Company. (See England, Alexander, assignor.)
- Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
- Westinghouse Air Brake Company, The. (See Farmer, C. C., and Landis, assignors.)
- Westinghouse Air Brake Company, The. (See Farmer, C. C., and Thomas, assignors.)
- Westinghouse Air Brake Company, The. (See Good, John N., assignor.)
- Westinghouse Air Brake Company, The. (See Grosswege, John B., assignor.)
- Westinghouse Air Brake Company, The. (See Hancock, Milton L., assignor.)
- Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
- Westinghouse Air Brake Company, The. (See Hukill, Henry D., assignor.)
- Westinghouse Air Brake Company, The. (See Kelley, Cecil S., assignor.)
- Westinghouse Air Brake Company, The. (See Landis, William C., assignor.)
- Westinghouse Air Brake Company, The. (See Livingston, Fremont P., assignor.)
- Westinghouse Air Brake Company, The. (See Lobeze, Pierre L., assignor.)
- Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
- Westinghouse Air Brake Company, The. (See McCune, J. C., and Johnson, assignors.)
- Westinghouse Air Brake Company, The. (See Rowley, Millard C., assignor.)
- Westinghouse Air Brake Company, The. (See Stewart, Carlton D., assignor.)
- Westinghouse Air Brake Company, The. (See Thomas, Frank B., assignor.)
- Westinghouse Air Brake Company, The. (See Thomas, Thomas H., assignor.)
- Westinghouse Air Brake Company, The. (See Thomas, T. H., and Burns, assignors.)
- Westinghouse Air Brake Company, The. (See Thomas, T. H., and Good, assignors.)
- Westinghouse Air Brake Company, The. (See Whitaker, Uncas A., assignor.)
- Westinghouse Air Brake Company, The. (See Wildin, George W., assignor.)
- Westinghouse Air Brake Company, The. (See Winter, Harry J., assignor.)
- Westinghouse Air Brake Company, The. (See Wright, John B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ackermann, Otto, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Alben, Frank L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Allan, Robert C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Allen, Robert C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ashbaugh, John H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Aspinwall, Louis M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bakken, Andrew H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Balsley, James R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bastian, Arthur J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bates, Harry H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Batsel, Max C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bauch, Richard, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Baum, Frank G., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Baumann, Karl, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Beers, George L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bergvall, Royal C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bergvall, R. C., and Ashbaugh, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Bernarde, Henry L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bethel, Claude, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Boddie, Clarence A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bollinger, Paul, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Borgman, E. J., and White, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Bousum, Charles S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bouton, Edgar M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Brace, Porter H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Brackett, Quincy, A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Breisky, John V., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Brindley, William E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Brown, James M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Brown, John L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bryant, Ozro N., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Burrows, Clarence D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Butcher, Charles A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Callsen, Albert, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Campbell, Clarence B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Candee, Andrew H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Carrington, M., and Klinck, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Catlin, A. C., and Lambert, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Chubb, Lewis W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Clarke, John A., jr., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Claytor, Edward M., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Coates, W. A., and Fowler, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Cochran, Paul B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Cole, Horace L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Coleman, J. B., and Conrad, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Cone, James H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Cook, Willard G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Corbett, Alfred, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Crabbs, Herbert J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Crichton, Leslie N., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Davidson, Archer, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Davies, David R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Davis, Harry P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Davis, Robert L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Davis, R. L., and Little, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Davis, R. L., and Stakel, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Dorfman, Hiller D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Eames, William F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ehrenfeld, Ralph, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Else, Harry D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Erickson, Frederic W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Erskine, Ralph W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Evans, Earl R., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Evans, R. D., and Sels, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Farley, William R., assignor.)

- Westinghouse Electric & Manufacturing Company. (See Fielder, Frederick D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Flanders, Warren B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Fletcher, Lindsey C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ford, James G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Forshee, Frank F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Frampton, William R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Francis, Louis, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Frank, Leo C., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Fuller, Bert F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Fulton, Robert R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Gardner, John E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Gaugert, John Q., assignor.)
- Westinghouse Electric & Manufacturing Company. (See George, Robert B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Gersmann, S., and Hayford, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Gibbs, Jesse B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Goldsborough, Shirley L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Graves, Herbert C., jr., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Greiback, Emil H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Gross, Joseph E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Gutmann, V., and Steiner, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Guy, Henry L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Haas, Carl F., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Hadley, Donald L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hanzlik, Henry J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Harpster, Clyde C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Harrington, George F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Harvey, Albert L., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Hawkinson, E. E., and Burbridge, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Healey, William J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hebrew, Joseph S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Herr, Herbert T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hershberger, David C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Higbee, Ray P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See High, Jurjen S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hill, Charles F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hill, Leland H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Hill, L. H., and Dann, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Hinton, Norman P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hodgkinson, Francis, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hornbostel, Lloyd, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hunt, Marsden H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
- Westinghouse Electric and Manufacturing Company. (See James, H. D., and Mottlau, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Jenks, Harold C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Johnson, Josiah F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Johnston, Howard L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Jordan, Richard H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kasley, Alexander T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kaufmann, Franklin W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Keene, Alvin D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kendig, Julian H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kent, G. C., and Siegfried, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Koch, Gustav H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Koettgen, Carl, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kozisek, Jaroslav, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Krantz, Hubert K., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kraut, Samuel B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kucher, Andrew A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kurda, Karl, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kurda, K., and Schade, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Landon, Vernon D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Langen, Thomas E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Legg, Joseph W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Levy, Cyril C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lidiak, Joseph P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Little, Donald G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Liwshitz, Michael, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Logstädt, Richard, assignor.)
- Westinghouse Electric and Manufacturing Company. (See MacDonald, H. G., Mateer, and Burr, assignors.)
- Westinghouse Electric and Manufacturing Company. (See MacGahan, Paul, assignor.)
- Westinghouse Electric & Manufacturing Company. (See MacNeill, John B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See MacNeill, J. B., Bakken, and Tucker, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Mallory, Edward B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Marsland, Roland, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Masek, James C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Mateer, Jesse E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Matthews, Howard D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See McCoy, James L., assignor.)
- Westinghouse Electric and Manufacturing Company. (See McCoy, J. L., and DeCroce, assignors.)
- Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)
- Westinghouse Electric & Manufacturing Company. (See McShane, Phelan, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Miller, Charles F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Miller, Ernest F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Miller, Frederic H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Miller, F. H., and Jackson, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Moore, Mortimer J. P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Morgan, David W. R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Morrison, Charles, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Moss, C. M., and Peterson, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Mouromtseff, Ilia E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Moyer, Howard R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Mylius, Walter G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Nützelberger, Hans, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Oman, Carl, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Oplinger, Kirk A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ostrolenk, Samuel, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Packer, Lewis C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Palmer, Granville E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Paschen, P., and Reime, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Pearce, George C., assignor.)

- Westinghouse Electric & Manufacturing Company. (See Peck, J. S., and Gittins, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Penney, Gaylord W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Peters, John F., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Peters, J. F., and Maslin, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Peterson, Alfred J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Pierce, Raymond T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Pilling, Norman B., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Pleasant, Herman E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ponsonby, W. H., and Lang, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Press, Abraham, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Puller, Rudolf, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rampacher, Fritz, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rathbun, John P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ray, James L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Reagan, Maurice E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Riley, Lynn G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Robison, Merle, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rodman, Clarence J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rosenbaum, Bruno, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ross, Thomas W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rutter, Argyle R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sandin, Jerome, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sandin, Maurits J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sawin, George A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schenkel, Moritz, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schramm, Walter H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schwendner, Anthony F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sherwan, August C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Skvortzoff, Alexander A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Smede, Lloyd, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Smith, Benjamin H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Smith, Harold B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Smith, Walter H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Soderberg, Carl R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sparkes, Harry P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Speiser, Gottlieb, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sperling, Jacob, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sprague, Frank J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Staeger, Stephen A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Stalder, Louis, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Stevenson, Howard R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Stewart, Otho V., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Stewart, O. V., and Urban, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Stickney, Fernald S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Stoltz, Glenn E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Styer, Charles A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Styer, C. A., and Dann, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Sutherland, Lee, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Swars, P. G., and Richards, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Taddiken, Ulrich A., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Taylor, George C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Terry, Matson C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Thomas, Phillips, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Thomason, J. J., Washington, and May, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Thompson, A. W., and Vogel, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Tjoflat, Gerald B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Townsend, John R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Trumpler, William E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Tuley, Charles B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Twiss, Alfred T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ulrey, Dayton, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Van Deventer, Harry R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Van Sickle, Roswell C., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Vogel, Fred J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See von Hoorn, Fred G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See von Kandó, Kalman, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wahlberg, Nils A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Werner, Oscar, assignor.)
- Westinghouse Electric & Manufacturing Company. (See West, Charles P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See West, Donald C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See White, Harold E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See White, Thomas U., assignor.)
- Westinghouse Electric & Manufacturing Company. (See White, T. U., and Gardner, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Whittaker, Charles C., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Whitten, W. H., jr., and Goldsborough, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Wolf, Lester J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Zworykin, Vladimir K., assignor.)
- Westinghouse Gear & Dynamometer Company. (See Flanders, Warren B., assignor.)
- Westinghouse Lamp Company. (See Amatel, Harold, assignor.)
- Westinghouse Lamp Company. (See Brindle, Robert, jr., assignor.)
- Westinghouse Lamp Company. (See Callahan, George F., assignor.)
- Westinghouse Lamp Company. (See Calvert, Landon B., assignor.)
- Westinghouse Lamp Company. (See Ferguson, J. E., assignor.)
- Westinghouse Lamp Company. (See Ferguson, J. E., Conn, and Hoffman, assignors.)
- Westinghouse Lamp Company. (See Ferguson, J. E., and Shackelford, assignors.)
- Westinghouse Lamp Company. (See Fleischmann, Christian, assignor.)
- Westinghouse Lamp Company. (See Garrett, Milan W., assignor.)
- Westinghouse Lamp Company. (See Greenbowe, James W., assignor.)
- Westinghouse Lamp Company. (See Gustin, Daniel S., assignor.)
- Westinghouse Lamp Company. (See Hageman, A. M., and Lindstrom, assignors.)
- Westinghouse Lamp Company. (See Hageman, A. M., and Sullivan, assignors.)
- Westinghouse Lamp Company. (See Hoyt, Milton A., assignor.)
- Westinghouse Lamp Company. (See Huffman, Charles E., assignor.)
- Westinghouse Lamp Company. (See Johnson, Allan W., assignor.)
- Westinghouse Lamp Company. (See Kiernan, William P., assignor.)
- Westinghouse Lamp Company. (See Lederer, Ernest A., assignor.)
- Westinghouse Lamp Company. (See Lorenz, Charles F., assignor.)
- Westinghouse Lamp Company. (See Madden, Harry D., assignor.)
- Westinghouse Lamp Company. (See Marden, J. W., and Rich, assignors.)

- Westinghouse Lamp Company. (See Massie, Arnold C., assignor.)
- Westinghouse Lamp Company. (See Matlock, Robert C., jr., assignor.)
- Westinghouse Lamp Company. (See McKay, W. A., and Gustin, assignors.)
- Westinghouse Lamp Company. (See Plishker, Herbert E., assignor.)
- Westinghouse Lamp Company. (See Ramage, John H., assignor.)
- Westinghouse Lamp Company. (See Rentschler, Harvey C., assignor.)
- Westinghouse Lamp Company. (See Rentschler, H. C., Marden, and Ulrey, assignors.)
- Westinghouse Lamp Company. (See Rentschler, H. C., and Merryman, assignors.)
- Westinghouse Lamp Company. (See Richardson, Henry K., assignor.)
- Westinghouse Lamp Company. (See Sproesser, W. C., and Lederer, assignors.)
- Westinghouse Lamp Company. (See Ulrey, Clayton T., assignor.)
- Westinghouse Lamp Company. (See Wadsten, Sten, assignor.)
- Westlake, Charles T., deceased, St. Louis, Mo., by Commonwealth Steel Company, assignee, assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive trailer truck. Re17,655; Apr. 29.
- Westlake, Charles T., deceased; L. A. Westlake, administratrix, St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Rocker bearing. 1,765,810; June 24.
- Westlake, Lillian A., administratrix. (See Westlake, Charles T.)
- Westlund, John H., Marshalltown, Iowa. Self-defense firearm. 1,784,563; Dec. 9.
- Westly, Jens, Kristiansand, assignor to Det Norske, Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Electrode. 1,757,695; May 6.
- Westmore, Lawrence, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for cutting sheet material. 1,743,070; Jan. 7.
- Weston, Adolf, Los Angeles, Calif. Bed-rail connector. 1,745,653; Feb. 4.
- Weston, Alonzo H., Yonkers, N. Y., assignor to American Chain Company, Inc. Guard-rail brace. 1,756,842; Apr. 29.
- Weston, Edward B., Dayton, Ohio. Display stand. 1,779,788; Oct. 28.
- Weston Electrical Instrument Corporation. (See Goodwin, William N., jr., assignor.)
- Weston Electrical Instrument Corporation. (See Seitz, Louis J., jr., assignor.)
- Weston Electrical Instrument Corporation. (See Vawter, Charles E., assignor.)
- Weston, Frederick H., Bridgeport, Conn., assignor to General Electric Company. Lamp socket. 1,768,432; June 24.
- Weston, Lawrence O. (See Weston, Leroy A. and L. O.)
- Weston, Leroy A. and L. O., Adams, Mass. Wire-threading machine. 1,776,874; Sept. 30.
- Weston, Sydney F., East Putney, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler gauge. 1,756,577; Apr. 29.
- Weston Toy Company, The. (See Merwin, Burton P., assignor.)
- Weston, William K., Sanderstead, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone cable. 1,763,873; June 17.
- Weston, William K., Sanderstead, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Twisting machine. 1,784,859; Dec. 16.
- Weston, William S., Dallas, Tex. Anticreeper for railway rails. 1,767,495; June 24.
- Westphal, Rudolph E., Chicago, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company. Sealing tool. 1,784,213; Dec. 9.
- Westphalen, Leonard, Chicago, Ill. Photographer's twin-lamp. 1,765,957; June 24.
- Westrip, Edward D., Pomona, and B. R. Daves, Claremont, Calif. Box-dumping machine. 1,771,473; July 29.
- Westvaco Chlorine Products, Inc. (See Low, Frank S., assignor.)
- West Virginia Pulp and Paper Company. (See Drewsen, Viggo, assignor.)
- Westwood, Aubrey E., Winnipeg, Manitoba, Canada. Oil can. 1,742,676; Jan. 7.
- Westwood, William, assignor to F. C. Jarvis, Lord L. Jarvis, and A. W. Jarvis, London, England. Machine saw. 1,773,800; Aug. 26.
- Wetch, Paul, Waukegan, Ill. Boat hull. 1,752,406; Apr. 1.
- Wethall, Hans G., Minneapolis, Minn. Artificial bait. 1,773,561; Aug. 19.
- Wetherbee, Harry L. (See Andrews, C. W., Grilli, Wetherbee, and Dougan.)
- Wetherill-Morris Engineering Company. (See Morris, A. W., and Wetherill, assignors.)
- Wetherill, Samuel P., jr. (See Morris, A. W., and Wetherill, Ill.)
- Wetmore, Charles P., assignor to A. O. Smith Corporation, Milwaukee, Wis. Reversible chuck for lathes. 1,783,989; Dec. 9.
- Wetmore, Earl P., Concord, Mich., assignor to The Anoil-coal Burner Co., Toledo, Ohio. Method and apparatus for burning fuel. 1,769,197; July 1.
- Wetmore, Laurence, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Extruding-machine head. 1,769,730; July 1.
- Wetmore, Miner P. (See Payson, A. E., and Wetmore.)
- Wetmore, Miner P., assignor to The American Thermos Bottle Company, Norwich, Conn. Combined oven and carrier for the treatment of bottles. 1,774,161; Aug. 26.
- Wetmore, Willard C., Saybrook, and R. H. Seeley, Essex, Conn. Bed table. 1,765,514; June 24.
- Wetsel, Fred R. (See King, Roy D., assignor.)
- Wettenkamp, Albert, Manitowoc, Wis. Windrower for mowing machines. 1,748,592; Feb. 25.
- Wetterwald, W. A., & Co. (See Lormüller, Bernhard, assignor.)
- Wettlaufer, Jules L., Belmont, assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing element. 1,774,861; Sept. 2.
- Wettstein, Fritz, Summit, N. J., assignor, by mesne assignments, to Ruths Steam Storage Incorporated, New York, N. Y. Steam plant. 1,783,204; Dec. 2.
- Wettstein, Fritz A., Flushing, N. Y. Fluid-pressure regulator. 1,769,612; July 1.
- Wetzel, Charles H., Wayne, Pa. Grandstand. 1,760,801; May 27.
- Wetzel, Frank. (See Gillham, R., Addison, Wetzel, and Langen.)
- Wetzel, Lewis C., assignor to Toledo Scale Company, Toledo, Ohio. Shaft-holding device. 1,746,375; Feb. 11.
- Wetzel, Peter A., Springfield, Ill. Filing-cabinet drawer. 1,754,492; Apr. 15.
- Wetzel, Peter A., Springfield, Ill. Filing cabinet. 1,776,404; Sept. 23.
- Wetzell, Carlos, Berlin-Friedenau, and W. Inhoffen, Berlin-Wilmersdorf, Germany, assignors to N. V. Internationale Automaten-Maatschappij, La, Lange Voorhout, The Hague, Netherlands. Coin-controlled vending machine. 1,748,433; Feb. 25.
- Wetzell, Carlos, Friedenau, near Berlin, and W. Inhoffen, Wilmersdorf, near Berlin, Germany, assignors to N. V. Internationale Automaten Maatschappij, la, Lange Voorhout, Den Haag, Holland. Coin-controlled vending apparatus. 1,765,894; June 24.
- Wetzell, Clare A., Sterling, Ill. Wheel-bearing figure toy. Des. 82,232; Oct. 7.
- Wetzell, Clare A., Sterling, Ill. Wheel-bearing figure toy. Des. 82,233; Oct. 7.
- Wetzell, Clare A., Sterling, Ill. Wheel-bearing figure toy. Des. 82,234; Oct. 7.
- Wetzell, Clare A., Sterling, Ill. Wheel-bearing figure toy. Des. 82,294; Oct. 14.
- Wetzell, Clare A., Sterling, Ill. Wheel-bearing figure toy. Des. 82,531; Nov. 11.
- Wetzell, Clare A., Sterling, Ill. Game apparatus. 1,748,030; Feb. 18.
- Wetzler, Arnold, Far Rockaway, N. Y. Box. 1,782,110; Nov. 18.
- Weyer, Franz, assignor to Kaiser Wilhelm Institut für Eisenforschung, Dusseldorf, Germany. Purification of metals. 1,745,464; Feb. 4.
- Weyer, John A., Baltimore, Md. Outlet-box support. 1,775,058; Sept. 2.
- Wexberg, Ernest, Clifton, N. J. Semaphore signal for electric switches. 1,746,724; Feb. 11.
- Weyandt, Carl S., Pittsburgh, Pa., assignor to Central Electric Tool Company. Electric percussive tool. 1,753,454; Apr. 8.
- Weyandt, Carl S., Pittsburgh, Pa., assignor to Syntroon Company. System of electrical precipitation. 1,760,461; May 27.
- Weyandt, Carl S., Pittsburgh, Pa., assignor to Central Electric Tool Company. System for controlling reciprocating motors. 1,772,650; Aug. 12.
- Weydell, Axel, Indianapolis, Ind., assignor, by mesne assignments, to Houdaille-Hersey Corporation. Self-lubricating fan. 1,773,833; Aug. 26.
- Weydell, Jarl M., Indianapolis, Ind., assignor of one-half to E. E. Stout. Magnetic chuck. 1,754,587; Apr. 15.
- Weyerhaeuser Timber Company. (See Payzant, Henry H., assignor.)
- Weyland, Georg, Frankenthal, Germany. Multistage hot-water centrifugal pump. 1,765,895; June 24.
- Weylandt, Lawrence G., Calexico, Calif. Differential variable-speed power transmission. 1,747,497; Feb. 18.
- Weylandt, Lawrence G., Calexico, Calif. Crank shaft and connecting rod for internal-expansion engines. 1,754,380; Apr. 15.
- Weymann, Charles T., Paris, France, assignor to Weymann's Motor Bodies (1925) Limited, London, England. Apparatus for operating vertically-sliding windows. 1,743,990; Jan. 14.
- Weymann, Charles T., Paris, France, assignor, by mesne assignments, to Weymann Motor Bodies, Inc., Wilmington, Del. Motor-vehicle body. 1,744,849; Jan. 28.
- Weymann, Charles T., Paris, France, assignor, by mesne assignments, to Weymann Motor Bodies, Inc., Wilmington, Del. Assembling vehicle bodies. 1,767,825; June 24.
- Weymann, H. A., & Son. (See Kremp, Carl, assignor.)
- Weymann Motor Bodies, Inc. (See Weymann, Charles T., assignor.)

- Weymann's Motor Bodies (1925) Limited. (See Weymann, Charles T., assignor.)
- Weymouth, Harry G., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Meter. 1,755,905; Apr. 22.
- Whalen, Edward J., assignor to Redirected Light Corporation of America, Syracuse, N. Y. Headlight. 1,775,619; Sept. 9.
- Whalen, John G. (See Wold, F. E., and Whalen.)
- Whalen, William H., Los Angeles, Calif., assignor to Continuous Rail Crossing Corporation, Reno, Nev. Rail crossing. 1,775,661; Sept. 16.
- Whalen, William H., Beverly Hills, Calif., assignor to Continuous Rail Crossing Corporation, Reno, Nev. Indicator. 1,775,662; Sept. 16.
- Whaley Engine Patents, Inc., The. (See Whaley, William B. S., assignor.)
- Whaley, Isabelle E., executrix. (See Whaley, William B. S.)
- Whaley, Sherman E., Audubon, N. J., assignor to American Telephone and Telegraph Company. Cable grip. 1,769,479; July 1.
- Whaley, William B. S., deceased; I. E. Whaley, executrix, assignor to The Whaley Engine Patents, Inc., New York, N. Y. Starting valve. 1,761,282; June 3.
- Whaley, William C., et al. (See Langstaff, Clinton A., assignor.)
- Wharam, John J., Detroit, assignor to Ford Motor Company, Highland Park, Mich. Brake. 1,752,516; Apr. 1.
- Wharam, John J., Detroit, assignor to Ford Motor Company, Fordson, Mich. Dial illumination. 1,757,493; May 6.
- Wharton, Edward R., Medford, Mass. Starter mechanism. 1,762,434; June 10.
- Wharton, George, Montpelier, Ind., assignor to Hubbard & Company. Shovel handle. 1,779,760; Oct. 28.
- Wharton, William B. (See Hempstead, Charles S., assignor.)
- Wharton, William H., Toronto, Ontario, Canada. Log-transferring device. 1,774,047; Aug. 26.
- Whately, Arthur C., Opelika, Ala. Power take-off. 1,761,900; June 3.
- Whately, Joseph L., Homestead, Pa. Mechanical toy. 1,779,349; Oct. 21.
- Whately, William J., Dallas, Tex. Internal-combustion engine. 1,752,713; Apr. 1.
- Whitnough, William H., London, England, assignor to Standard Products Corporation, New York, N. Y. Apparatus for the production of dispersions of solids in liquids. 1,774,910; Sept. 2.
- Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Baggage carrier. Re17,720; July 1.
- Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Locking device for drawer sections. 1,757,227; May 6.
- Wheary Trunk Company. (See Kurten, Mathies, assignor.)
- Wheary Trunk Company. (See Wheary, George H., assignor.)
- Wheat, Frank B., Los Angeles, Calif. Portable partition. 1,758,489; May 13.
- Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Miner's lamp. 1,757,887; May 6.
- Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Miner's lamp. 1,757,888; May 6.
- Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Electric lamp. 1,757,889; May 6.
- Wheat, William T., and A. W. Stone, Malin, Ore. Pump. 1,761,379; June 3.
- Wheatcroft, Edward I. E. (See Petch, H. S., and Wheatcroft.)
- Wheatley Patents Ltd. (See Wheatley, Walter H., assignor.)
- Wheatley, Walter H., assignor to Wheatley Patents Ltd., London, England. Making helical cutters. 1,780,805; Nov. 4.
- Wheaton, A. W., Brass Works. (See Wheaton, Abram W., assignor.)
- Wheaton, Abram W., Maplewood, assignor to A. W. Wheaton Brass Works, Newark, N. J. Valve. 1,758,419; May 13.
- Wheaton, Abram W., Maplewood, N. J., assignor to A. W. Wheaton Brass Works, Newark, N. J. Pipe coupling. 1,778,739; Oct. 21.
- Wheelbarger, Albert S., assignor to Ohmer Fare Register Company, Dayton, Ohio. Register flash mechanism. 1,762,904; June 10.
- Wheeler, Bradley P., Duluth, Minn. Open-hearth furnace. 1,769,362; July 1.
- Wheeler, C. H., Manufacturing Company. (See Kothny, Gottdank L., assignor.)
- Wheeler, Clem E., Oak Park, Ill. Office desk. 1,780,287; Nov. 4.
- Wheeler, Clyde H., Midland Park Borough, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Coin-collection apparatus. 1,747,199; Feb. 18.
- Wheeler Company. (See Schmidt, Joseph F., assignor.)
- Wheeler, Earl A., assignor to Standard Road Maintenance Company, Los Angeles, Calif. Road scraper. 1,779,650; Oct. 28.
- Wheeler, Edison L., Evanston, Ill. Fireproof legging. 1,749,789; Mar. 11.
- Wheeler, Edmund B. (See Wright, J. C., Wheeler, and Wood.)
- Wheeler, Edward G. (See Worrell, H. S., and Wheeler.)
- Wheeler, Edward M., San Dimas, Calif. Fruit-box sterilizer. 1,779,152; Oct. 21.
- Wheeler, Evan R. (See Dirkes, R. F., and Wheeler.)
- Wheeler, Evan R., North Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Automatic tape-controlled transmission for tickers. 1,765,042; June 17.
- Wheeler, F. O., et al. (See Rodgers, Roy A., assignor.)
- Wheeler, Frank G., Appleton, assignor to Bleach Process Company, Neenah, Wis. Absorption method and apparatus. 1,747,687; Feb. 18.
- Wheeler, Frank T., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Fuse cabinet or panel board. 1,782,019; Nov. 18.
- Wheeler, Grace P., administratrix. (See Wheeler, John H.)
- Wheeler, Harold A., Washington, D. C., assignor to Hazeltine Corporation, Jersey City, N. J. Eliminating capacitive coupling. 1,757,494; May 6.
- Wheeler, Harvey C. (See Thompson, Charles W., assignor.)
- Wheeler, Henry A., F. J. Bentz, and J. L. Mason, Miami, Fla., assignors of three-fourths to said F. J. Bentz and one-fourth to L. E. Bentz. Solar water-heating system. 1,753,227; Apr. 8.
- Wheeler, Henry H., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Labeling and cartoning device for packaging machines. 1,748,593; Feb. 25.
- Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Wrapper-folding device. 1,748,594; Feb. 25.
- Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Banding attachment for cigar-enveloping machines. 1,760,615; May 27.
- Wheeler, Henry H., Brooklyn, assignor to General Cigar Company, Inc., New York, N. Y. Cigar-transferring machine. 1,756,843; Apr. 29.
- Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar-banding machine. 1,765,811; June 24.
- Wheeler, Herbert B. (See Maloney, F. G., Vogel, and Wheeler.)
- Wheeler, John H., deceased, by G. P. Wheeler, administratrix, Columbus, Ohio. Aero auxiliary cylinder. 1,782,753; Nov. 25.
- Wheeler, Leonard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Vacuum tank. 1,756,895; Apr. 29.
- Wheeler, Leonard H., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Liquid-handling device. 1,782,702; Nov. 25.
- Wheeler, Ray B., and W. P. Crites, El Reno, Okla. Device for automatically closing the air release or bleeder cocks of air brakes. 1,772,651; Aug. 12.
- Wheeler, Raymond C., and P. W. Prutzman, Los Angeles, Calif. Alkaline treatment of petroleum vapors. 1,784,262; Dec. 9.
- Wheeler, Robert, Wellsburg, W. Va. Lock. 1,758,872; May 13.
- Wheeler-Schebler Carburetor Co., The. (See Jones, Maldwyn E., assignor.)
- Wheeler-Schebler Carburetor Co., The. (See Kimball, Andrew L., assignor.)
- Wheeler-Schebler Carburetor Co., The. (See Linkert, Howard W., assignor.)
- Wheeler-Schebler Carburetor Company. (See Timlan, Harold H., assignor.)
- Wheeling Steel Corporation. (See Bowman, James H., assignor.)
- Wheeler, Walter C., St. Louis, Mo. Spout sampler. 1,762,253; June 10.
- Wheeler, William, Brooklyn, N. Y. Internal-combustion engine. 1,742,228; Jan. 7.
- Wheeler, William, Brooklyn, N. Y. Air-cooled motor. 1,774,741; Sept. 2.
- Wheeling Bronze Casting Company. (See Haller, Charles W., assignor.)
- Wheeling Stamping Company. (See Davis, Walter T., assignor.)
- Wheeling Stamping Company. (See McGinnis, John A., assignor.)
- Wheeling Steel Corporation. (See Kielberg, Henry, assignor.)
- Wheeling Steel Corporation. (See Rollason, Charles H., assignor.)
- Wheelock, Henry L., Waterloo, Iowa. Ham boiler. 1,744,428; Jan. 21.
- Wheelock, Louis N., et al. (See Crommett, Charles F., assignor.)
- Whelan, Dow O., Scotia, N. Y., assignor to General Electric Company. Volume control. 1,747,961; Feb. 18.
- Whelan, Dow O., Schenectady, N. Y., assignor to General Electric Company. Amplification of electrical impulses. 1,765,293; June 17.
- Whelan, Irby M., Birmingham, Ala. Combined game and smoker's appliance. Des. 82,045; Sept. 16.
- Whelan, James F., assignor to Delco Products Corporation, Dayton, Ohio. Electric motor. 1,761,552; June 3.
- Whelco Engineering & Manufacturing Company, The. (See Maki, Julius, assignor.)

- Wheldon, George H., Minneapolis, assignor of one-fourth to J. E. Murphy, one-fourth to W. Hall, and one-fourth to C. Hentschell, Minneapolis, Minn. Protector for rolls of papers. 1,772,850; Aug. 12.
- Wheless, Wesley E., assignor to Allen Manufacturing Company, Shreveport, La. Package for knocked-down window-screen frames. 1,766,317; June 24.
- Whetstone, Irene B., Chicago, Ill. Filing cabinet. 1,750,291; Mar. 11.
- Whetstone, Trimble J., Hutchinson, Kans. Poultry trap. 1,759,770; May 20.
- Whetzel, Joshua C. (See Holden, J. H., O'Brien, Whetzel, and Zimmerman.)
- Whidden, Sam P., Bartow, Fla. Combined fuel basket, fire-tool support, and floor lamp. Des. 80,986; Apr. 15.
- Whiffen, Edwin J., Mount Vernon, N. Y. Apparatus for impregnating stranded elements. 1,745,285; Jan. 28.
- Whitehart, John, Zanesville, Ohio. Apparatus for making illuminating and heating gas. 1,747,094; Feb. 11.
- Whipp, Wendell E., assignor to The Monarch Machine Tool Company, Sidney, Ohio. Geared headstock for lathes. 1,750,555; Mar. 11.
- Whipple, Arden D., Oakland, assignor to C. M. Hutchinson, Piedmont, Calif. Valve cap. 1,754,660; Apr. 15.
- Whipple, Henry E., Los Angeles, Calif. Crushing mill. 1,777,061; Sept. 30.
- Whipple, James B., Huntington Park, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Clingstone-fruit pitter. 1,785,020; Dec. 16.
- Whipple, James B., Huntington Park, assignor, by mesne assignments, to Pacific Machinery Company, San Francisco, Calif. Fruit pitter. 1,785,021; Dec. 16.
- Whipple, Nelson E., Windsor, N. Y. Road-sanding device for automobiles. 1,786,377; Dec. 23.
- Whirdry Corporation. (See Dunham, George W., assignor.)
- Whisler, Ralph H., Halfway, assignor to Hudson Motor Car Company, Detroit, Mich. Electrical connector. 1,762,848; June 10.
- Whitacre, Donald D., Waynesburg, Ohio. Filter floor. 1,773,561; Aug. 19.
- Whitacre Engineering Company, The. (See Wood, J. C., Hagener, and Wagner, assignors.)
- Whitacre-Greer Fireproofing Company, The. (See Klotz, Lee Dell S., assignor.)
- Whitacre, William H., Cleveland Heights, Ohio, assignor to Caterpillar Tractor Co., San Leandro, Calif. Crawler tractor. 1,744,516; Jan. 21.
- Whitaker, Charles N., Wilmington, assignor to Shell Company of California, San Francisco, Calif. Apparatus for reactivating charcoal. 1,744,429; Jan. 21.
- Whitaker, Elbert, Portland, Oreg. Spraying device. 1,743,056; Jan. 7.
- Whitaker, Frank K., Rugby, England, assignor to General Electric Company. Mercury-arc rectifier. 1,771,279; July 22.
- Whitaker, Frank P., Rugby, England, assignor to General Electric Company. Vapor-discharge device. 1,760,533; May 27.
- Whitaker, Frank P., and C. J. Sarjeant, Rugby, England, assignors to General Electric Company. Control system. 1,747,095; Feb. 11.
- Whitaker, Hubert M., Enfield, N. C. Signal switch. 1,775,300; Sept. 9.
- Whitaker, Robert D., jr., Tahlequah, Okla. Hoist. 1,768,278; June 24.
- Whitaker, Uncas A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load-brake device. 1,774,162; Aug. 26.
- Whitaker, Uncas A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve mechanism for automatic train-pipe couplings. 1,774,163; Aug. 26.
- Whitaker, William D., Philadelphia, Pa., assignor to Delany & Company, Inc. Feeding and distributing device. 1,746,206; Feb. 4.
- Whitby, George S., Montreal, Quebec, Canada, assignor by mesne assignments to The Roessler & Hasslacher Chemical Company, New York, N. Y. Substituted thiuram polysulphide and process of making. 1,780,545; Nov. 4.
- Whitcomb, Edson G., assignor to Sprague & Carleton, Keene, N. H. Chair or similar article. Des. 81,172; May 13.
- Whitcomb, Geo. D., Company. (See Whitcomb, William C., assignor.)
- Whitcomb, William A., Dedham, Mass., assignor to Great Northern Paper Company, Millinocket, Me. Wood-pulp-grinding machine. 1,757,031; May 6.
- Whitcomb, William C., assignor to Geo. D. Whitcomb Company, Rochelle, Ill. Hydraulic conveyer. 1,760,616; May 27.
- White, Alfred H., Ann Arbor, Mich. Synthesizing methane from gases. 1,772,652; Aug. 12.
- White, Alfred H., Ann Arbor, Mich., assignor to The Regents of the University of Michigan. Coke and producing the same. 1,782,556; Nov. 25.
- White, Ambrose H., Bronxville, N. Y. Magazine grinder for wood pulp. 1,754,536; Apr. 15.
- White, Ambrose H., Bronxville, N. Y., assignor to International Paper Company. Drying bark or other substances. 1,746,919; Feb. 11.
- White, Ann M., Brooklyn, N. Y. Mop cleaners. 1,768,277; June 24.
- White, Arthur C. (See Barstow, E. O., and White.)
- White, Arthur J., Pittsburgh, Pa. Reenforced fabric. 1,746,625; Feb. 11.
- White, Audley C., Fresno, Calif. Saw-depitching machine. 1,778,053; Oct. 14.
- White, Budd M., East Orange, N. J. Stitch remover. 1,770,117; July 8.
- White Castle System, Inc., The. (See Ray, Loyd W., assignor.)
- White, Charles B., Topeka, Kans. Milk-bottle-cap remover. 1,746,097; Feb. 4.
- White, Charles E., assignor to Deere & Company, Moline, Ill. Combined mower and windrower. 1,750,033; Mar. 11.
- White, Christeena R., Tryon, N. C. Omelet pan. 1,745,592; Feb. 4.
- White, Clarence B., Montclair, and E. Schaefer, Englewood, assignor to Vivatex Processes, Inc., Lodi, N. J. Imparting bacteria-resistant properties to textile materials. 1,745,134; Jan. 28.
- White, Clarence W., North Bennington, assignor to H. C. White Company, North Bennington, Vt. Glide. 1,753,976; Apr. 8.
- White, Clifford B., Utica, N. Y., assignor, by mesne assignments, to American La France and Foamite Corporation. Foam-type extinguisher. 1,747,611; Feb. 18.
- White, Clyde L., assignor to The Willys-Overland Company, Toledo, Ohio. Brake-band support. 1,771,280; July 22.
- White, David, Company, The. (See Mihalyi, Frank, assignor.)
- White, Dewey. (See Dickens, Prince H., assignor.)
- White, Dion A., Forrest Hills, Covington, Ky. Stepladder, pressing board, and table combined. 1,744,997; Jan. 28.
- White, D'Orsay M., Chicago, Ill. Manufacture of wheels. 1,743,644; Jan. 14.
- White, E. Cantelo. (See Hicks, Thomas N., assignor.)
- White, Earl N., Los Angeles, Calif. Fixture for show cases. 1,746,173; Feb. 4.
- White, Edward F., Rochester, N. Y. Apparatus for subliming sulphur. 1,773,562; Aug. 19.
- White, Edwin E., Paintsville, Ky. Locking means for receptacle closures. 1,747,200; Feb. 18.
- White, Edwin E., Paintsville, Ky. Locking means for receptacle closures. 1,747,201; Feb. 18.
- White, Edwin E., Paintsville, Ky. Locking means for receptacle closures. 1,747,202; Feb. 18.
- White, Edwin E., Paintsville, Ky. Locking means for receptacle closures. 1,747,203; Feb. 18.
- White, Edwin E., Paintsville, Ky. Locking means for receptacle closures. 1,747,204; Feb. 18.
- White, Edwin E., Paintsville, Ky. Locking means for receptacle closures. 1,747,205; Feb. 18.
- White, Ellis F., Colwyn Bay, England. Self-filling-reservoir drawing pen. 1,776,645; Sept. 23.
- White, Ethel F., and M. White, Los Angeles, Calif. Blade holder. 1,765,812; June 24.
- White, Ezekiel F., Hartford, assignor of G. V. Lassen, West Hartford, Conn. Separator. 1,780,774; Nov. 4.
- White, Ezekiel F., Hartford, assignor to G. V. Lassen, West Hartford, Conn. Liquid-fuel burner. 1,785,707; Dec. 16.
- White, Floyd E., Winamac, Ind. Electric clock. 1,787,059; Dec. 30.
- White, Francis J., Brooklyn, N. Y., assignor to The Okonite Company, Passaic, N. J. Apparatus for reducing sheath currents. 1,752,318; Apr. 1.
- White, Francis J., Brooklyn, N. Y., assignor to The Okonite Company, Passaic, N. J. Apparatus for reducing sheath currents. 1,752,319; Apr. 1.
- White, Francis J., Brooklyn, N. Y., assignor to The Okonite Company, Passaic, N. J. Apparatus for reducing sheath currents. 1,752,320; Apr. 1.
- White, Francis W., Orange, N. J. Clock. 1,774,579; Sept. 2.
- White, Frank. (See Bull, F. and White.)
- White, Frank. (See Jackson, H. D., and White.)
- White, Frank, et al. (See Read, William, assignor.)
- White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,756,412; Apr. 29.
- White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,756,715; Apr. 29.
- White, Franklin R., Waterbury, W. T. Abel, Waterville, and L. R. Carley, Watertown, assignors to The Patent Button Company, Waterbury, Conn. Tack button. 1,744,349; Jan. 21.
- White, Franklin R., Waterbury, W. T. Abel, Waterville, and L. R. Carley, Watertown, assignors to The Patent Button Company, Waterbury, Conn. Staple button. 1,744,350; Jan. 21.
- White, Fred E., and A. Ruttiman, assignors to Florence Stove Company, Boston, Mass. Pressure burner. 1,760,390; May 27.
- White, George, jr. (See Borgman, E. J., and White.)
- White, George D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Insulation for heating vessels. 1,761,696; June 3.
- White, George H., Washington, D. C. Brine cooler. 1,776,483; Sept. 23.
- White, George R., Stony Brook, N. Y. Ornithopter. 1,783,029; Nov. 25.
- White, H. C., Company. (See White, Clarence W., assignor.)
- White and Haines Optical Co. (See McCoy, Robert R., assignor.)

- White, Halbert E., Tampa, Fla. Building. 1,760,331; May 27.
- White, Halbert E., Tampa, Fla. Building material. 1,768,181; June 24.
- White, Harold E. (See Masin, J. S., and White.)
- White, Harold E., Anniston, assignor to Federal Phosphorus Company, Birmingham, Ala. Elimination of silicon in ferrophosphorus. 1,751,783; Mar. 25.
- White, Harold E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnetic contactor. 1,763,116; June 10.
- White, Harold E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,763,284; June 10.
- White, Harold E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,764,374; June 17.
- White, Harold E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,764,375; June 17.
- White, Harold E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective relay. 1,783,552; Dec. 2.
- White, Harry B., Canton, Ohio, assignor to The Hoover Company. Suction sweeper. 1,764,666; June 17.
- White, Harry B., Canton, Ohio, assignor to The Hoover Company. Cleaner. 1,783,205; Dec. 2.
- White, Harry B., Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,787,224; Dec. 30.
- White, Harry Z., assignor to J. Spriesch and R. H. Ring, Buffalo, N. Y. Device for use in reshaping neckties. 1,744,819; Jan. 28.
- White, Henry H., deceased, Muskogee, Okla.; R. L. White, executrix. Power-delivering attachment for motor vehicles. 1,775,611; Sept. 9.
- White, Henry W., Houston, Tex. Pencil-vending machine. 1,745,286; Jan. 28.
- White, Herbert E. (See Tuttle, C. M., and White.)
- White, Herbert E., assignor to Truscon Steel Company, Youngstown, Ohio. Weather strip for casement sashes. 1,751,720; Mar. 25.
- White, Herbert E., assignor to Truscon Steel Company, Youngstown, Ohio. Weather strip for sliding metal sash. 1,755,620; Apr. 22.
- White, Herbert E., assignor to Truscon Steel Company, Youngstown, Ohio. Metal section. 1,762,112; June 3.
- White, Herbert E., Youngstown, Ohio. Casement window. 1,778,134; Oct. 14.
- White, Herbert E., assignor to Trusion Steel Company, Youngstown, Ohio. Roof decking and fastening means therefor. 1,772,694; Aug. 12.
- White, Herbert J., assignor to Gleason Works, Rochester, N. Y. Completely automatic gear-cutting machine. 1,786,689; Dec. 30.
- White, Horace E., and G. M. F. Depfer, Baltimore, Md., assignors to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,785,226; Dec. 16.
- White, Howard E., assignor of one-half to H. R. Allen, Holdenville, Okla. Derrick construction. 1,772,822; Aug. 12.
- White, Ira B., Fort Worth, Tex. Bag filler. 1,773,657; Aug. 19.
- White, James F., assignor of ten per cent to E. W. Terry, Richmond, ten one-hundredths to E. W. Terry, Albany, and sixty one-hundredths to F. Candle, Richmond, Calif. Internal-combustion engine. 1,780,454; Nov. 4.
- White, James G., Long Beach, Calif. Elevator link. 1,779,895; Oct. 28.
- White, James N., Denver, Colo. Cylinder laundry machine. 1,775,878; Sept. 16.
- White, James N., Denver, Colo. Cylinder laundry machine. 1,775,879; Sept. 16.
- White, James W., assignor of one-fourth to W. C. White, Bainbridge, Ga. Automobile power take-off device. 1,766,007; June 24.
- White, Joe. (See Fitzsimmons, J. T., and White.)
- White, John F., assignor to H. B. Staver, Chicago, Ill. Animal-racing lure. 1,756,015; Apr. 29.
- White, John F., assignor to H. B. Staver, Chicago, Ill. Lure carrier for races. 1,756,044; Apr. 29.
- White, John F., assignor to H. B. Staver, Chicago, Ill. Animal-racing apparatus. 1,773,765; Aug. 26.
- White, John F., assignor to H. B. Staver, Chicago, Ill. Dog-racing apparatus. 1,773,766; Aug. 26.
- White, John H., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metallurgical process. 1,785,060; Dec. 16.
- White, John T., Loraine, Tex. Toy gun. 1,779,507; Oct. 28.
- White, John W., Buffalo, N. Y. Carburetor. 1,766,158; June 24.
- White, John W., Buffalo, N. Y., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Stop-light switch. 1,744,940; Jan. 28.
- White, John W., Buffalo, N. Y., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel. 1,750,655; Mar. 18.
- White, Jonathan N., New York, N. Y. Alloy. 1,785,372; Dec. 16.
- White, Joseph A., Melrose Park, assignor to The Moore & White Company, Philadelphia, Pa. Separator for slitting machines. 1,749,618; Mar. 4.
- White, Joseph A., Melrose Park, assignor to The Moore & White Company, Philadelphia, Pa. Driven slitter for paper-slitting machines. 1,759,676; May 20.
- White, Joseph A., Melrose Park, assignor to The Moore & White Company, Philadelphia, Pa. Flushing valve. 1,759,724; May 20.
- White, Leon L., Tampa, Fla. Buckle. 1,745,965; Feb. 4.
- White, Leslie T., Ventura, Calif. System and means of fingerprints. 1,775,794; Sept. 16.
- White, Lewis, Pawtucket, R. I., assignor to Hussong Dyeing Machine Company, Groveville, N. J. Dyeing apparatus. 1,747,885; Feb. 18.
- White, Morris, New York, N. Y. Bag. 1,768,725; July 1.
- White Motor Company, The. (See Church, Harold D., assignor.)
- White Motor Company, The. (See Howell, James W., assignor.)
- White Motor Company, The. (See Jeffrey, Max L., assignor.)
- White Motor Company, The. (See Jehle, Ferdinand, assignor.)
- White Motor Company, The. (See Snyder, Frank L., assignor.)
- White, Myron. (See White, E. F., and Myron.)
- White Oil Separators Limited. (See White, William A., assignor.)
- White, Olga H., New York, N. Y. Game device. Des. 80,714; Mar. 11.
- White Pine Sash Company. (See Edmond, Oscar G., assignor.)
- White, Raymond E., assignor to Steam Vehicle Corporation of America, Newton, Mass. Boiler feed pump. 1,750,980; Mar. 18.
- White, Robert. (See Moore, H. C., and White.)
- White, Rollin H., Cleveland Heights, Ohio. Track-laying tractor. 1,781,486; Nov. 11.
- White, Rose L., executrix. (See White, Henry H.)
- White, S. S., Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)
- White, S. S., Dental Manufacturing Company, The. (See Talbot, James M., assignor.)
- White, Samuel O., Muncie, Ind. Oiling means for transmission gearing. 1,780,958; Nov. 11.
- White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Transmission gear. 1,750,292; Mar. 11.
- White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Oiling means for transmissions. 1,758,879; May 13.
- White Sewing Machine Corporation. (See Colegrove, Charles E., assignor.)
- White Sewing Machine Corporation. (See Stevens, Clarence E., assignor.)
- White Showers, Inc. (See Nelson, Bert J., assignor.)
- White Showers Inc. (See Lindhorst, Frederick L., assignor.)
- White, Sidney Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical detector-amplifier circuits. 1,765,473; June 24.
- White, Sidney Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical amplifier circuits. 1,780,611; Nov. 4.
- White Tar Company of New Jersey, Inc. (See Arnaud, Martin J., assignor.)
- White, Theodore L., jr. (See Rose, Harry C., assignor.)
- White, Thomas L., assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Supporting bracket. 1,764,766; June 17.
- White, Thomas U., Genoa, Ill., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Telegraph system. 1,765,472; June 24.
- White, Thomas U., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,765,474; June 24.
- White, Thomas U., Pittsburgh, Pa., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Telegraph system. 1,765,555; June 24.
- White, Thomas U., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,786,807; Dec. 30.
- White, Thomas U., Pittsburgh, and J. E. Gardner, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Signaling system. 1,765,475; June 24.
- White, Virginia A., Dallas, Tex. Abdominal support or corset. 1,785,162; Dec. 16.
- White, Wallace C. (See White, James W., assignor.)
- White, Wilbur, Chemical Co., The. (See Bridgeman, Walter A., assignor.)
- White, William A., Hebburn-on-Tyne, England. Pulverizer. 1,772,974; Aug. 12.
- White, William A., assignor to White Oil Separators Limited, Hebburn-on-Tyne, England. Separation of liquids of different specific gravities. 1,761,505; June 3.
- White, William C., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,747,096; Feb. 11.
- White, William D., trustee. (See Lombard, Nathaniel, assignor.)
- White, William E., jr. (See Crowell, M. E., and White.)
- White, William E., Chicago, Ill. Light shield for duplex shade rollers. 1,748,373; Feb. 25.
- White, William E., Chicago, Ill. Drafting outfit. 1,753,760; Apr. 8.
- White, William E., assignor to Kalman Steel Company, Chicago, Ill. Bar chair. 1,751,673; Mar. 25.

- White, William E., assignor to Kalman Steel Company, Chicago, Ill. Bridging. 1,758,678; May 13.
- White, William E., assignor to Kalman Steel Company, Chicago, Ill. Lath clip. 1,761,323; June 3.
- White, William E., assignor to Kalman Steel Company, Chicago, Ill. Clip and spacer for bars. 1,772,653; Aug. 12.
- White, William E., assignor to Kalman Steel Company, Chicago, Ill. Ceiling support. 1,785,061; Dec. 16.
- White, William E., Evanston, Ill., assignor to Kalman Steel Company, Chicago, Ill. Making road mats. 1,772,654; Aug. 12.
- White, William H., East Rutherford, N. J., assignor to Regal Shoe Company, Whitman, Mass. Display holder for socks or other articles. 1,765,043; June 17.
- Whitehead and Hoag Company, The. (See Day, James C., assignor.)
- Whitehead, James. (See Neal, Daniel, assignor.)
- Whitehead and Kales Company. (See Judd, Irving H., assignor.)
- Whitehead, Richard H., assignor to The New Haven Clock Company, New Haven, Conn. Clock case. Des. 82,866; Dec. 16.
- Whitehead, Thomas C. (See Greenwald, Harold A., assignor.)
- Whitehead, William. (See Dreyfus, C., and Whitehead.)
- Whitehorn, Harold K., Maidstone, assignor to Tilling-Stevens Motors Limited, Maidstone, Kent, England. Armature binding. 1,778,376; Oct. 14.
- Whitehouse, Charles F., Leeds, England. Conduit for electric conductors. 1,776,484; Sept. 23.
- Whitehouse, Francis R. B., Harborne, Birmingham, England. Apparatus for playing a race game. 1,755,621; Apr. 22.
- Whitehouse, Frank E., Pomona, Calif. Suction and dispensing nozzle. 1,773,018; Aug. 12.
- Whitehouse, John T., assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Jail-door tumbler lock. 1,773,332; Aug. 19.
- Whitelegg, Robert H., Disley, England. Fuel bunker for the steam generators of locomotives, marine and stationary engines, and plant. 1,752,870; Apr. 1.
- Whiteley, James, North Tonawanda, N. Y. Amusement apparatus. 1,779,651; Oct. 28.
- Whiteley, Robert H., Oak Park, Ill., assignor to himself as trustee. Bearing. 1,743,645; Jan. 14.
- Whiteley, Robert H., Oak Park, Ill., assignor to himself as trustee. Bearing. 1,746,020; Feb. 4.
- Whiteley, Wilfred, Elland, England, assignor to Eadie Brothers and Company Limited, Paisley, Scotland. Lubricating rings and travelers in doubling and like frames. 1,781,828; Nov. 18.
- Whiteman, James L., Johannesburg, Transvaal, South Africa. Carbureting and vaporizing means for internal-combustion engines. 1,777,949; Oct. 7.
- Whitemore, John, assignor to Davidson & Company Limited, Belfast, Ireland. Dust collector or separator. 1,766,237; June 24.
- Whitesell, Frederick N., assignor to Fairbanks, Morse & Co., Chicago, Ill. Automatic hoisting apparatus. 1,766,236; June 24.
- Whitfield, Harold B., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coated core and method of and apparatus for applying the coating thereto. 1,765,515; June 24.
- Whitfield, Harry A., Arlington, N. J. Cooling unit. 1,751,899; Mar. 25.
- Whitin Machine Works. (See Aveyard, Charles, assignor.)
- Whitin Machine Works. (See Hartley, Ellis, assignor.)
- Whitin Machine Works. (See Helland, Sigurd H., assignor.)
- Whitin Machine Works. (See Hendrickson, Fred K., assignor.)
- Whitin Machine Works. (See Hendrickson, F. K., and Helland, assignors.)
- Whitin Machine Works. (See Hendrickson, F. K., and Mitchell, assignors.)
- Whitin Machine Works. (See Holt, Edwin M., assignor.)
- Whitin Machine Works. (See Jolly, James, assignor.)
- Whitin Machine Works. (See Langlois, Alfred M., assignor.)
- Whiting, Charles H. (See McGerry, J. J., and Whiting.)
- Whiting Corporation. (See Beetham, Maurice F., assignor.)
- Whiting Corporation. (See Clark, William T., assignor.)
- Whiting Corporation. (See Coffey, Oscar L., assignor.)
- Whiting Corporation. (See Nagell, Walter, assignor.)
- Whiting Corporation. (See Walsh, Frank P., assignor.)
- Whiting, Donald F., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuit for transmission systems. 1,778,779; Oct. 21.
- Whiting, George A., Windsor, Victoria, and R. A. Holland, West Brunswick, Victoria, assignors to E. M. F. Electric Company Proprietary Limited, South Melbourne, Victoria, Australia. Arc welding. 1,760,534; May 27.
- Whiting, William J., Washington, D. C. Producing light effects. 1,768,812; July 1.
- Whiting, William J., Washington, D. C. Increasing the chroma of a color. 1,768,813; July 1.
- Whiting, William J., Washington, D. C. Reducing glare and dazzle of an opposing light. 1,768,814; July 1.
- Whitlark, Henry B., Tarboro, N. C., assignor, by mesne assignments, to Lambert Tire & Rubber Company, Barberton, Ohio. Pneumatic tire. 1,762,905; June 10.
- Whitley, Rob D., Nashville, N. C. Flow attachment. 1,755,622; Apr. 22.
- Whitley, William P., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Shoulder and chest protecting device. 1,764,667; June 17.
- Whitlock, Andrew P., Lebanon, Tenn. Book. 1,776,713; Sept. 23.
- Whitlock, Claude D., assignor of two-fifths to G. Steinhorst, Pawhuska, Okla. Radio frequency transformer. 1,775,880; Sept. 16.
- Whitlock, George E., Toledo, Ohio. Tread for automobile running boards. 1,761,247; June 3.
- Whitlock, George E., Toledo, Ohio. Automobile tread. 1,768,873; July 1.
- Whitlock, George E., assignor of one-half to M. Kyle, Reno, Nev. Cleaning apparatus. 1,772,530; Aug. 12.
- Whitlock, George E., assignor to The City Auto Stamping Company, Toledo, Ohio. Cushion step tread for automobiles. 1,785,755; Dec. 23.
- Whitlock, Ralph, Borger, Tex. Starting means for internal-combustion engines. 1,754,869; Apr. 15.
- Whitlow, Wiley H. (See Lock, F. H., and Whitlow.)
- Whitman & Barnes, Inc. (See Harrington, Ferris T., assignor.)
- Whitman, John F., jr., assignor to E. G. Straus, doing business as Modern Metal Furniture Company, New York, N. Y. Chair frame. Des. 81,313; June 3.
- Whitman, Ralph H. (See Maddocks, J. F., and Whitman.)
- Whitmanis Manufacturing Company. (See Whitney, Karl H., assignor.)
- Whitmarsh, Ernest B., assignor to Detroit Brass and Malleable Works, Detroit, Mich. Valve and cock. 1,760,222; May 27.
- Whitmore, Edson G., assignor to The De Vilbiss Company, Toledo, Ohio. Spray-coating exhaust system. 1,748,161; Feb. 25.
- Whitmore, Edson G., assignor to The De Vilbiss Company, Toledo, Ohio. Spray-coating exhaust system. 1,774,072; Aug. 26.
- Whitmore, Edward E., assignor to The Adlake Company, Chicago, Ill. Curtain fixture. 1,755,232; Apr. 22.
- Whitmore, Edward E., assignor to Adlake Company, Chicago, Ill. Curtain fixture. 1,755,233; Apr. 22.
- Whitmore, George S., Yakima, Wash. Marking device. 1,781,620; Nov. 11.
- Whitmore, John, assignor to Davidson & Company, Limited, of Sirocco Engineering Works, Belfast, Ireland. Dust collector or separator. 1,753,490; Apr. 8.
- Whitmore, John, assignor to Davidson & Company Limited, Belfast, Ireland. Apparatus for separating and collecting dust. 1,759,382; May 20.
- Whitmore, John, assignor to Davidson & Company Limited, Belfast, Ireland. Apparatus for separating and collecting dust. 1,760,617; May 27.
- Whitmore, Luther J. (See Gilligan, J. P., and Whitmore.)
- Whitney, Allen B., et al. (See Jones, Frank H., assignor.)
- Whitney, Baxter D., & Son, Inc. (See McQueston, Frank S., assignor.)
- Whitney, Baxter D., & Son, Inc. (See Smith, Robert L., assignor.)
- Whitney, Carl E., et al., executors. (See Schweinert, Maximilian C.)
- Whitney, Earl R., Kooskia, Idaho, assignor of one-third to S. Alseth and one-third to R. E. Strom, Oakland, Calif. Artificial bait. 1,746,753; Feb. 11.
- Whitney, Eddy R., Philadelphia, Pa. Double concentric gearing. 1,768,225; June 24.
- Whitney, Eddy R., Philadelphia, Pa., assignor, by mesne assignments, of one-half to Walker Vehicle Company, Chicago, Ill., and one-half to Divo Detroit Corporation, Detroit, Mich. Delivery truck. Re17,610; Mar. 4.
- Whitney, F. A., Carriage Company. (See Ambler, George E., assignor.)
- Whitney, F. A., Carriage Company. (See Blanchard, Berton L., assignor.)
- Whitney, F. A., Carriage Company. (See Shaw, Harold F., assignor.)
- Whitney, George E., Bridgeport, Conn. Underfeed furnace. 1,772,021; Aug. 5.
- Whitney-Jarvis Company. (See Whitney, Logan R., assignor.)
- Whitney, Karl H., assignor to Whitney Manufacturing Company, Kirksville, Mo. Supporting bracket for window hangings. Re17,896; Dec. 2.
- Whitney, Karl H., assignor to Whitmanis Manufacturing Company, Kirksville, Mo. Supporting bar. 1,752,472; Apr. 1.
- Whitney, Karl H., assignor to Whitmanis Manufacturing Company Inc., Kirksville, Mo. Supporting bar. 1,756,716; Apr. 29.
- Whitney, Logan R., Los Angeles, Calif., assignor to Whitney-Jarvis Company, Louisville, Ky. Can opener. 1,756,613; Apr. 29.
- Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Brake-lever connector body. 1,753,455; Apr. 8.
- Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Method of making slack adjuster screws. 1,765,516; June 24.
- Whitney, Lyman F., Boston, Mass., assignor, by mesne assignments, to Stator Refrigeration, Inc. Temperature regulator. 1,753,676; Apr. 8.

- Whitney, Lyman F., Boston, Mass., assignor, by mesne assignments, to Stator Refrigeration, Inc. Fluid pumping. 1,756,802; Apr. 29.
- Whitney, Lyman F., Boston, Mass., assignor, by mesne assignments to Stator Refrigeration, Inc. Household apparatus. 1,761,553; June 3.
- Whitney, Lyman F., Boston, Mass., assignor, by mesne assignments, to Stator Refrigeration, Inc. Refrigeration. 1,761,606; June 3.
- Whitney, Lyman F., Boston, Mass., assignor, by mesne assignments, to Stator Refrigeration, Inc. Refrigerating apparatus and method. 1,761,762; June 3.
- Whitney Mfg. Co. (See Sturtevant, Harold E., assignor.)
- Whitney Manufacturing Company. (See Whitney, Karl H., assignor.)
- Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,759,076; May 20.
- Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,759,077; May 20.
- Whitney, Samuel W., Denver, Colo. Comb and glove therefor. 1,760,928; June 3.
- Whitney, Willis R., Niskayuna, N. Y., assignor to General Electric Company. Making crucibles. 1,784,647; Dec. 9.
- Whiton, D. E., Machine Co., The. (See Whiton, Lucius E., assignor.)
- Whiton, Louis C., jr., and J. C. Hardigg, assignors to Prat-Daniel Corporation, New York, N. Y. Soot blower. 1,786,182; Dec. 23.
- Whiton, Lucius E., assignor to The D. E. Whiton Machine Co., New London, Conn. Valve. 1,772,406; Aug. 5.
- Whitsett, Cameron A., Chicago, Ill. Recording sound or other vibratory energy. 1,742,490; Jan. 7.
- Whitsitt, William B., and W. R. Hedeman, Baltimore, Md. Superheater tube. 1,786,882; Dec. 30.
- Whitson, David E. (See Fortune, J. A., and Whitson.)
- Whittaker, Arthur. (See Hackett, H., and Whittaker.)
- Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator-rocking device. 1,764,376; June 17.
- Whittaker, James B., Rochester, N. Y. Apparatus for marking patterns on cloth. 1,763,734; June 17.
- Whittam, Benjamin B., Elizabeth, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Door. 1,769,979; July 8.
- Whittmore, Josephine G., et al., trustees. (See Shaw, Al B., assignor.)
- Whitten, Frank A. (See Walker, H., and Whitten.)
- Whitten, William H., jr., Pittsburgh, and T. R. Goldsborough, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Television system. 1,768,874; July 1.
- Whittenberger, Percival L., Bisbee, Ariz. Spring wheel. 1,756,270; Apr. 29.
- Whittier, Albert E., Bristol, Conn. Thermostatic control for electrically-heated apparatus. 1,757,986; May 13.
- Whittier, Albert E., Bristol, Conn. Oven ventilator. 1,757,987; May 13.
- Whittier, Donald, Beverly Hills, Calif. Cooked-food container. 1,775,447; Sept. 9.
- Whittier, Paul F., S. B., and R. K., Chattahoochee, Ga. Support. 1,778,700; Oct. 14.
- Whittier, Roger K. (See Whittier, Paul F., S. B., and R. K.)
- Whittier, Sidney B. (See Whittier, Paul F., S. B., and R. K.)
- Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Switch-actuating mechanism. 1,753,076; Apr. 1.
- Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Emergency electric-lighting system. 1,753,101; Apr. 1.
- Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Switch-actuating mechanism. 1,753,180; Apr. 1.
- Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Compensating thermostat. 1,773,708; Aug. 19.
- Whittingslowe, William T. (See Harris, H. H., Whittingslowe, and Jolly.)
- Whittington, Frederik G., assignor to Stewart-Warner Corporation, Chicago, Ill. Cigar lighter. 1,746,174; Feb. 4.
- Whittington, William P., Indianapolis, Ind., assignor to Illinois Engineering Company. Vacuum system. 1,777,816; Oct. 7.
- Whittington, William P., Indianapolis, Ind., assignor to Illinois Engineering Company. Vacuum pump. 1,777,817; Oct. 7.
- Whittle, Horace, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric coupling circuits. 1,752,046; Mar. 25.
- Whittle, Horace, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Retardation-coil system. 1,753,325; Apr. 8.
- Whittle, Horace, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transformer system. 1,785,062; Dec. 16.
- Whittle, Horace, assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission circuits. 1,767,951; June 24.
- Whittle, Horace, Maplewood, and D. G. Grimley, Ridge-wood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave-transmission circuit. 1,759,332; May 20.
- Whittle, William A., assignor to Emerson Drug Company, Baltimore, Md. Dispensing device. 1,772,377; Aug. 5.
- Whitwell, George E., Seattle, assignor to Young-Whitwell Gas Process Company, Tacoma, Wash. Back-run method of operating gas plants. 1,752,223; Mar. 25.
- Whitworth, Beville W., Omaha, Nebr. Automatic shade-roller stop. 1,786,512; Dec. 30.
- Whitworth, Stanley. (See Long, L. E., and Whitworth.)
- Whitworth, Stanley, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-shoe-burnishing machine. 1,775,710; Sept. 16.
- Whyte, John, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Brake. 1,786,808; Dec. 30.
- Whyte, Robert. (See Davis, W. L., and Whyte.)
- Wiard, John B., Lynn, Mass. Apparatus for controlling electric motors. 1,773,712; Aug. 19.
- Wiarda, John C., & Company. (See Laury, Napoleon A., assignor.)
- Wibault, Michel, Paris, France, assignor to Vickers (Aviation) Limited, Westminster, England. Aeroplane wing and the like. 1,760,332; May 27.
- Wicaco Machine Corporation. (See Lawser, Charles W., assignor.)
- Wicaco Machine Corporation, The. (See Lawser, Charles W., assignor.)
- Wich, Henry J., Detroit, Mich. Newspaper-inserting machine. 1,774,580; Sept. 2.
- Wichert, Alfred, Mannheim, Germany. Railway-motor control. 1,766,474; June 24.
- Wichert, Alfred, Mannheim-Neustheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Cushioned-wheel construction. 1,749,554; Mar. 4.
- Wichert, Alfred, Mannheim-Neustheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Oil switch. 1,766,575; June 24.
- Wichert, Alfred, Mannheim-Neustheim, Germany, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Protection of electrical motor cars. 1,769,091; July 1.
- Wichita Blue Streak Motors Company, The. (See Schaeffers, Joseph, assignor.)
- Wichmann, Albert, Gutzkow, Germany. Fastening for wearing apparel. 1,775,011; Sept. 2.
- Wichmann, Georg C. H., London, England. Printing machine and press. 1,747,962; Feb. 18.
- Wichmann, Georg C. H., London, England. Printing machine and press. 1,747,963; Feb. 18.
- Wichner, Robert G., Coloma, Wis. Protecting container for butter tubs or the like. 1,750,204; Mar. 11.
- Wichtendahl, Karl, Gotha, Fla. Gambrel. 1,782,082; Nov. 18.
- Wick, Louis J., assignor to Wicks Pipe Organ Co., Highland, Ill. Switch mechanism. 1,754,004; Apr. 8.
- Wick, Louis J., assignor to Wicks Pipe Organ Co., Highland, Ill. Electromagnet. 1,765,958; June 24.
- Wickenden, Leonard, Flushing, assignor to J. J. Naugle, Rye, N. Y. Treating saccharine fluids. 1,783,551; Dec. 2.
- Wicker, Charles R. (See Hiatt, J. R., and Wicker.)
- Wicker, John, Sprague, Wash. Weeder. 1,761,001; June 3.
- Wickers, Joseph C., New York, N. Y. Pouring attachment for containers. 1,773,019; Aug. 12.
- Wickersham, Cornelius W. (See Adams, W., and Wickersham.)
- Wickersham, Elmer E., San Leandro, Calif. Internal-combustion engine. 1,781,090; Nov. 11.
- Wickersham, Elmer E., assignor to Caterpillar Tractor Co., San Leandro, Calif. Signal. 1,770,094; July 8.
- Wickersham, Harry F., Brea, assignor to H. G. Yahraus, Los Angeles, Calif. Reamer. 1,764,377; June 17.
- Wickersham, Joyce, Des Moines, Iowa. Fuel and exhaust gas control device for engines. Re17,692; June 3.
- Wickersham, Newton W., assignor to Perkins Cementing, Inc., Los Angeles, Calif. Cementing head. 1,750,143; Mar. 11.
- Wickert, Gustav A., jr., Elsmere, N. Y. Coin box. 1,762,458; June 10.
- Wickes, Clarence S., Merchantville, N. J., assignor to Victor Talking Machine Company. Stylus-holding means. 1,767,334; June 24.
- Wickes, Harvey O., Castella, Calif. Holding device. 1,758,873; May 13.
- Wickes, John W., Tongaat, Natal, South Africa. Apparatus for the separation of finely-divided solids from liquids. 1,754,870; Apr. 15.
- Wickey, Edward V., assignor to Union Iron Works, Spokane, Wash. Furnace grate. 1,764,484; June 17.
- Wickizer, Mont, Brookfield, Mo. Journal box. 1,764,541; June 17.
- Wicks, Clifford P., Stamford, Conn., assignor to American Cuptor Corporation, New York, N. Y. Coin-tripped starting mechanism. 1,763,285; June 10.
- Wicks, John. (See Tharp, V. S., and Wicks.)
- Wicks, John, Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,742,334; Jan. 7.
- Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone trunking system. 1,748,966; Mar. 4.
- Wicks, John, Oak Park, assignor to Automatic Electric, Inc., Chicago, Ill. Automatic telephone system. 1,751,260; Mar. 18.

- Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,753,491; Apr. 8.
- Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,753,761; Apr. 8.
- Wicks, John, Oak Park, assignor to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,772,472; Aug. 12.
- Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,774,343; Aug. 26.
- Wicks, John, Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,777,062; Sept. 30.
- Wicks, John, Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,778,204; Oct. 14.
- Wicks Pipe Organ Co. (See Buchheim, Eugene J., assignor.)
- Wicks Pipe Organ Co. (See Wick, Louis J., assignor.)
- Wicks, Zeno W., Fort Worth, Tex. Gas purifier. 1,759,819; May 20.
- Wickser, Josephine W., Buffalo, N. Y. Box or similar article. Des. 82,201; Sept. 30.
- Wickstrom, Paul E., assignor of one-half to C. C. Bateson, Seattle, Wash. Air-blowing apparatus. 1,779,201; Oct. 21.
- Wickstrum, Cecil M., Omaha, Nebr. Sidewalk canopy. 1,761,901; June 3.
- Wickwire Spencer Steel Company. (See Arnold, Albert W.)
- Wickwire Spencer Steel Company. (See King, Vernon C., assignor.)
- Wickwire Spencer Steel Company. (See Ward, Richard H.)
- Wickwire Spencer Steel Company. (See Woodman, Francis N., assignor.)
- Wico Electric Company. (See Brown, P., and Louis, assignors.)
- Wico Electric Company. (See Louis, Terrence G., assignor.)
- Widder, Charles A., Bronx, and G. Codish, New York, N. Y. Shoe machinery. 1,742,491; Jan. 7.
- Widdicombe, Charles P., Chicago, Ill. Locomotive grease cellar. 1,742,677; Jan. 7.
- Widdis, Albert L., Harrisville, Mich. Antifriction attachment for vessels. 1,783,322; Dec. 2.
- Widell, Magnus E. (See Nordquist, R. E. J., and Widell.)
- Widell, Magnus E., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Interior-collar can. 1,754,449; Apr. 15.
- Wideman, Harold B., assignor to National Standard Company, Niles, Mich. Piston or plunger. 1,762,602; June 10.
- Wider, George J., Floral Park, assignor to Dreher Bros. & Wider, New York, N. Y. Artificial semiprecious stone. 1,780,145; Oct. 28.
- Widman, Albert, Newcastle, Ind. Valve silencer. 1,750,377; Mar. 11.
- Widmayer, Charles O., Cleveland, Ohio. Reed for clarinets and saxophones. 1,779,522; Oct. 28.
- Widmer, Stefan, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Protection and control of rectifiers. 1,774,534; Sept. 2.
- Widmer, Stephen, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Metallic-vapor rectifier. 1,769,092; July 1.
- Widoe, Fred, Omaha, Nebr. Recording and advertising device. 1,749,619; Mar. 4.
- Widuch, Adam, S. Hayduk, and W. Sliwa, Michigan City, Ind. Automatic railway gate. 1,749,053; Mar. 4.
- Wiebe, Sigurd J. A., East Orange, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Dump grate. 1,754,247; Apr. 15.
- Wiebe, Sigurd J. A., East Orange, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Furnace. 1,756,320; Apr. 29.
- Wiebner, Anton, Quincy, Ill. Handrail for bathtubs. 1,775,301; Sept. 9.
- Wiebusch, Charles F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recorder. 1,784,860; Dec. 16.
- Wieczorek, Emanuel, Breslau, assignor to R. Kandt, Leipzig, Germany. Brake mechanism with brake block for motor vehicles. 1,781,993; Nov. 18.
- Wiedeke, Gustav, assignor to Gustav Wiedeke Company, Dayton, Ohio. Tube and flue expander. 1,744,850; Jan. 28.
- Wiedeke, Gustav, assignor to Gustav Wiedeke Company, Dayton, Ohio. Wrench. 1,756,717; Apr. 29.
- Wiedeke, Gustav, assignor to G. Wiedeke Company, Dayton, Ohio. Operating device for tube expanders and the like. 1,785,103; Dec. 16.
- Wiedeke, Gustav, Company. (See Wiedeke, Gustav, assignor.)
- Wiedenhoft, Alfred F., Chicago, Ill. Lamp. 1,760,677; May 27.
- Wiedner, Arthur, Port Lavaca, Tex. Electric motor. 1,764,921; June 17.
- Wiegand, Edwin L., Pittsburgh, Pa. Percolator and the like and heating element therefor. 1,778,926; Oct. 21.
- Wiegand, Ernest H., Corvallis, Oreg., assignor, by mesne assignments, to The Citizens of the United States for their free use and enjoyment. Fruit-grading machine. 1,754,923; Apr. 15.
- Wiegand, George W., Dubuque, Iowa. Car-truck-center bearing. 1,780,103; Oct. 28.
- Wiegand, Henry J., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Vacuum-tube socket. 1,758,269; May 13.
- Wiegand, Kurt, Berlin, Germany, assignor to General Electric Company. Electric lamp. 1,770,891; July 15.
- Wiegand, Martin W., Anglum, Mo. Auxiliary vapor-supplying appliance for gas engines. 1,775,263; Sept. 9.
- Wiegelmann, Hubert, Neheim, Germany. Device for producing shadow lines on work pieces. 1,786,925; Dec. 30.
- Wieghardt, Paul, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Ruckau, Germany. Multiple-tape-winding machine. 1,743,298; Jan. 14.
- Wieghardt, Paul, and K. Schrott, Magdeburg, assignors to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Machine for winding or covering cables or the like with tape or strip material. 1,786,102; Dec. 23.
- Wieland, A. Robert. (See Wieland, Max, assignor.)
- Wieland, Frederick G., Woodhaven, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Assembling machine and method. 1,776,227; Sept. 16.
- Wieland, Hermann, Heidelberg-on-the-Neckar, assignor to the firm C. H. Boehringer Sohn, Chemische Fabrik, Nieder-Jugelheim-on-the-Rhine, Germany. Production of antiseptic agents. 1,772,975; Aug. 12.
- Wieland, Max, deceased, Auerbach, near Chemnitz, Germany; M. H. Herklotz, executor, assignor to A. R. Wieland, Auerbach, Saxony, Germany. Manufacture of fashioned stockings. 1,746,846; Feb. 11.
- Wiemer, Kurt, assignor to F. B. Lehmann, Dresden, Germany. Cutting machine. 1,743,299; Jan. 14.
- Wiener, Hugo, Madisonville, Ky. Phonograph construction. 1,752,357; Apr. 1.
- Wiener, John A., Laurel, Miss. Fiber-stock-refining apparatus. 1,775,743; Sept. 16.
- Wiener, John A., assignor to Oswego Board Corporation, Oswego, N. Y. Lifting and transferring device. 1,756,614; Apr. 29.
- Wiener, Julius N., and H. Aretsky, Brooklyn, N. Y. Rumble-seat top. 1,748,031; Feb. 18.
- Wiener, Simon W., Sauk Center, Minn. Display easel. 1,762,675; June 10.
- Wienholz, Albert E., Astoria, and F. Siefke, New York, N. Y. Stone-sawing machine. 1,743,057; Jan. 7.
- Wier, Harry B., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Recording of music and speech. 1,765,517; June 24.
- Wier, Stuart A., assignor to Tridex Corporation, Dallas, Tex. Surface-cleaning apparatus. 1,746,624; Feb. 11.
- Wier, Stuart A., assignor to Tridex Corporation, Dallas, Tex. Multiple fluid generator. 1,756,322; Apr. 29.
- Wier, Stuart A., assignor to Tridex Corporation, Dallas, Tex. Apparatus for cleaning surfaces. 1,766,088; June 24.
- Wiernikowski, Rerad, New York, N. Y. Ship-propelling means. 1,743,508; Jan. 14.
- Wieseman, Robert W., Schenectady, N. Y., assignor to General Electric Company. Double speed, synchronous, dynamo-electric machine. 1,752,871; Apr. 1.
- Wieser, Hans, Werden, Germany. Highly-sensitive head-impact fuse. 1,758,635; May 13.
- Wiesman, Jerome, Denver, Colo. Garment drier. 1,759,179; May 20.
- Wiess, Harry C., Houston, Tex., assignor to Standard Oil Development Company. Vacuum distillation of hydrocarbon oils. 1,786,639; Dec. 30.
- Wiessner, Paul, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Dynamometric measuring instrument. 1,758,097; May 13.
- Wiest, Waldo H., Chicago, Ill. Statue. Des. 80,471; Feb. 4.
- Wiest, Waldo H., Chicago, Ill. Statue. Des. 80,555; Feb. 18.
- Wietzel, Gustav. (See Pier, M., Müller-Cunradi, Wietzel, and Winkler.)
- Wietzel, Gustav, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of combustible gas containing hydrogen and carbon monoxide. 1,751,117; Mar. 18.
- Wietzel, Gustav, J. Jannek, Ludwigshafen-on-the-Rhine, and F. Fried, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Elimination of sulphur compounds from gases. 1,782,590; Nov. 25.
- Wietzel, Rudolf, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of aromatic derivatives of formamid. 1,777,777; Oct. 7.
- Wietzel, Rudolf, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of alkyl formates. 1,782,591; Nov. 25.
- Wietzel, Rudolf, Ludwigshafen-on-the-Rhine, and E. Willfroth, Neurossen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Catalyst of high mechanical strength. 1,776,875; Sept. 30.
- Wigge, Hans. (See Siebert, William, assignor.)
- Wiggin, John D., Montclair, assignor to H. B. Wiggin's Sons Company, Bloomfield, N. J. Device and method for indicating the expansion of plaster of Paris. 1,746,691; Feb. 11.

- Wiggins, Gaddis D., La Feria, Tex. Churn. 1,768,387; June 24.
- Wiggin's, H. B., Sons Company. (See Wiggin, John D., assignor.)
- Wiggins, Peter. (See Schneider, E. J., and Wiggins.)
- Wiggins, Peter, Maspeth, N. Y. Tool for gripping armored cables. 1,775,335; Sept. 9.
- Wigginton, George P., Kalamazoo, Mich., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Binder. 1,745,073; Jan. 28.
- Wigginton, George P., Kalamazoo, Mich., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Temporary binder. 1,758,549; May 13.
- Wiggs, David H. (See Stevenson, S. E., and Wiggs.)
- Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train-dispatching system for railroads. 1,759,383; May 20.
- Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train-dispatching system for railroads. 1,770,364; July 8.
- Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train-dispatching system for railroads. 1,785,708; Dec. 16.
- Wightman, Eugene P. (See Sheppard, S. E., and Wightman.)
- Wightman, Nelson E., Bolivar, N. Y. Oil-well-flooding apparatus. 1,778,740; Oct. 21.
- Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Buckle or similar article. Des. 80,297; Jan. 7.
- Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Buckle. Des. 80,346; Jan. 14.
- Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Buckle. Des. 80,347; Jan. 14.
- Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Buckle or similar article. Des. 80,594; Feb. 25.
- Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Clasp or similar article. Des. 81,119; May 6.
- Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Buckle. Des. 81,564; July 8.
- Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Buckle. Des. 81,610; July 15.
- Wightman, Thomas H., assignor to Alfred Vester Sons, Inc., Providence, R. I. Buckle. Des. 82,010; Sept. 9.
- Wigle, Wilson B., Compton, Calif. Oil-well fishing tool. 1,766,368; June 24.
- Wigton, George H., Eureka, Utah. Concentration of ores. 1,783,206; Dec. 2.
- Wigton, George H., Eureka, Utah. Concentration of ores. 1,783,207; Dec. 2.
- Wijmans, Albert H., The Hague, Netherlands. Automatic regulation of centrifugal pumps. 1,773,563; Aug. 19.
- Wikander, Oscar R. (See Bell, F. B., and Wikander.)
- Wikle, George F., Milwaukee, Wis. Tire-building machine. 1,748,263; Feb. 25.
- Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bead-wrapping machine. 1,748,264; Feb. 25.
- Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Building core. 1,748,265; Feb. 25.
- Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Web-cutting device. 1,748,266; Feb. 25.
- Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,757,105; May 6.
- Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Stitcher for tire-building machines. 1,760,929; June 3.
- Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Manufacture of pneumatic-tire casings. 1,762,849; June 10.
- Wikman, Erick, and C. Carlson, Chicago, Ill. Living-room folding bed. 1,757,068; May 6.
- Wikstrom, Alfred, Albuquerque, N. Mex. Guide wheel for woodworking tools. 1,753,959; Apr. 8.
- Wikstrom, Frank G., assignor to Hadwik Mfg. Co. Inc., Brooklyn, N. Y. Sheet-metal fitting and attaching the same to metal walls. Re17,827; Oct. 14.
- Wikstrom, Frank G., assignor to Hadwik Mfg. Co., Inc., Brooklyn, N. Y. Closure for containers. 1,778,540; Oct. 14.
- Wilbur, George A., Lansing, Mich. Window stop. 1,752,218; Mar. 25.
- Wilbur, Lawrence S., Evanston, Ill., assignor to National Rail Joint Corporation. Splice bar or fishplate. 1,753,762; Apr. 8.
- Wilbur, Lawrence S., Evanston, Ill. Splice bar or fishplate. 1,753,763; Apr. 8.
- Wilbur, Lawrence S., Evanston, Ill. Splice bar or fishplate. 1,754,248; Apr. 15.
- Wilbur, Lawrence S., Evanston, Ill., assignor to Johns-Manville Corporation. Floor and laying the same. 1,754,537; Apr. 15.
- Wilbur, Lawrence S., Evanston, Ill. Splice bar or fishplate. 1,783,351; Dec. 2.
- Wilbur, Lawrence S., Evanston, Ill. Splice bar or fishplate. 1,783,352; Dec. 2.
- Wilbur, Lawrence S., Evanston, Ill. Splice bar or fishplate. 1,783,353; Dec. 2.
- Wilbur, Lawrence S., Evanston, Ill. Splice bar or fishplate. 1,785,850; Dec. 23.
- Wilbur Products Company. (See Oberst, Frank, assignor.)
- Wilbur, Ray S., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,743,415; Jan. 14.
- Wilburn, Sidney D., Englewood, N. J., assignor to American Telephone and Telegraph Company. Bridge duplex telegraph system. 1,744,063; Jan. 21.
- Wilcock, Edwin. (See Rowe, Fred H., assignor.)
- Wilcolator Company, The. (See Fonseca, Edward L., assignor.)
- Wilcox, Albert C., Bridgeport, Ohio. Coal-loading machine. 1,752,714; Apr. 1.
- Wilcox, Albert J., New York, N. Y. Beam and column connection. 1,744,600; Jan. 21.
- Wilcox, Albert R., Dodge City, Kans. Mechanical hair gland and nerve agitator. 1,786,047; Dec. 23.
- Wilcox, Alva N., Dayton, Ohio. Wheel. 1,763,413; June 10.
- Wilcox, Charles E. (See Stephens, R. W., and Wilcox.)
- Wilcox, Charles E., Long Beach, Calif. Elevator. 1,782,754; Nov. 25.
- Wilcox, Edgar M. (See Hannauer, G., and Wilcox.)
- Wilcox, Edgar M., Hammond, Ind. Control means for railway-switch mechanism. 1,758,018; May 13.
- Wilcox, Edgar M., and McC. C. McPherson, Hammond, Ind. Car-ventilating system. 1,772,569; Aug. 12.
- Wilcox, Elmer W. (See Ammon, C. D., and Wilcox.)
- Wilcox, Frank T., assignor to The Firex Extinguisher Company, Norwalk, Ohio. Fire extinguisher. 1,782,083; Nov. 18.
- Wilcox, George, Riverside, Calif., assignor to California Canning Machinery Co., Los Angeles, Calif. Peach pitter. 1,736,724; Dec. 30.
- Wilcox, Homer R., Quaker City, Ohio. Plasterer's corner-bead setter. 1,767,335; June 24.
- Wilcox, John L., Seattle, Wash. Swimmer's device. 1,754,704; Apr. 15.
- Wilcox, Joseph, Jr., assignor to Wilcox Novelty Company, Athol, Mass. Clock movement and dial supporting means. 1,766,806; June 24.
- Wilcox, Lewis T., Peekskill, N. Y. Grate for oil and gas stoves. 1,759,148; May 20.
- Wilcox Novelty Company. (See Wilcox, Joseph, Jr., assignor.)
- Wilcox Products Corporation. (See Case, Lee C., assignor.)
- Wilcox-Rich Corporation. (See Hoern, Joseph H., assignor.)
- Wilcox-Rich Corporation. (See Schneider, G., and Russell, assignors.)
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Forming blanks. 1,748,321; Feb. 25.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Feed mechanism. 1,779,866; Oct. 28.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Hopper mechanism. 1,784,124; Dec. 9.
- Wilcox, Walton A., assignor to one-half to H. H. Hamill, Rochester, N. Y. Toy. 1,766,008; June 24.
- Wilcox, William D., Idaho Falls, Idaho. Combination gas range and water heater. 1,747,920; Feb. 18.
- Wild, Charles H., assignor to Burt Machine Company, Incorporated, Baltimore, Md. Case-filling machine. 1,784,083; Dec. 9.
- Wild, Gunther P., Philadelphia, Pa. Door fastener. 1,752,131; Mar. 25.
- Wild, Gunther P., Philadelphia, Pa. Latching device. 1,756,718; Apr. 29.
- Wild, Gunther P., Philadelphia, Pa. Door fastener. 1,787,296; Dec. 30.
- Wild, Henry W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip-stick holder. 1,758,303; May 13.
- Wild, Henry W., and P. A. Reutter, assignors to Scovill Manufacturing Company, Waterbury, Conn. Cosmetic holder. 1,787,183; Dec. 30.
- Wild, Karl F., Peoria, Ill. Safety catch for pins. 1,760,802; May 27.
- Wild, Louis. (See Wild, Otto and L.)
- Wild, Otto and L., Muri, Switzerland. Machine for flanging plate disks. 1,782,641; Nov. 25.
- Wildberg, Henry, assignor, by mesne assignments, to United Milk Crate Corporation, Cincinnati, Ohio. Container. 1,754,183; Apr. 8.
- Wildberg, Henry, assignor, by mesne assignments, to United Milk Crate Corporation, Cincinnati, Ohio. Bottle crate. 1,770,331; July 8.
- Wildberg, Richard M., assignor, by mesne assignments, to United Milk Crate Corporation, Cincinnati, Ohio. Corner iron for boxes. 1,750,556; Mar. 11.
- Wilde, Francis E. J., Meadowmere Park, N. Y. Electric sign. 1,784,861; Dec. 16.
- Wilde, George F., Keyport, N. J. Filter. 1,772,172; Aug. 5.
- Wildeboer, Marinus, Eindhoven, Netherlands, assignor to General Electric Company. Filament-mounting machine. 1,751,434; Mar. 18.
- Wilder, Charlton, assignor to The Crown Rock Company, Cincinnati, Ohio. Asphaltic emulsion and process of making. 1,747,653; Feb. 18.

- Wilder, Edward B., St. Louis, Mo. Kite. 1,782,557; Nov. 25.
- Wilder, Edward B., St. Louis, B. B. Baker, University City, and W. Wilder, assignors to Wilder Manufacturing Company, St. Louis, Mo. Toy glider. Des. 80,987; Apr. 15.
- Wilder, Edward B., St. Louis, B. B. Baker, University City, and W. Wilder, assignors to Wilder Manufacturing Company, St. Louis, Mo. Toy glider. Des. 80,988; Apr. 15.
- Wilder, Frederick L., E. Morris, E. Schiff, and E. S. King, assignors to Electro-Metallurgical Ore Reduction, Limited, London, England. Roasting of ores and the like. 1,769,405; July 1.
- Wilder, James W. (See Akin, H. D., and Wilder.)
- Wilder, Lawrence R., New York, N. Y. Electrical apparatus. 1,746,977; Feb. 11.
- Wilder, Laurence R., assignor to American Brown Boveri Electric Corporation, New York, N. Y. Insulator structure. 1,766,576; June 24.
- Wilder Manufacturing Company. (See Wilder, E. B., Baker, and Wilder, assignors.)
- Wilder, Morris B., Omaha, Nebr. Clutch and brake-band relining machine. 1,748,093; Feb. 25.
- Wilder, Ralph E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Telltale mechanism for tank cars. 1,743,743; Jan. 14.
- Wilder, Samuel M., Gloucester City, N. J. Horn. 1,763,336; June 10.
- Wilder, Wentworth. (See Wilder, E. B., Baker, and Wilder.)
- Wildermuth, Jesse W., Lancaster, assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass apparatus. 1,761,763; June 3.
- Wildhaber, Ernest, Brooklyn, N. Y. Differential mechanism. 1,750,981; Mar. 18.
- Wildhaber, Ernest, Brooklyn, N. Y. Forming gears. 1,759,333; May 20.
- Wildhaber, Ernest, Brooklyn, N. Y. Gearing. 1,767,866; June 24.
- Wildhaber, Ernest, Brooklyn, N. Y. Gear. 1,767,867; June 24.
- Wildhaber, Ernest, Brooklyn, N. Y. Rotary engine. 1,777,023; Sept. 30.
- Wildhaber, Ernest, Brooklyn, N. Y. Differential mechanism. 1,777,024; Sept. 30.
- Wildhaber, Ernest, Brooklyn, N. Y. Grinding relief on tools. 1,778,541; Oct. 14.
- Wildhaber, Ernest, Brooklyn, N. Y. Transmission. 1,784,919; Dec. 16.
- Wildhaber, Ernest, Brooklyn, N. Y. Transmission. 1,784,920; Dec. 16.
- Wildhaber, Ernest, Brooklyn, assignor to Gleason Works, Rochester, N. Y. Method and machine for producing tapered gears. 1,771,239; July 22.
- Wildhaber, Ernest, New York, assignor to Gleason Works, Rochester, N. Y. Spiral bevel gear. 1,748,813; Feb. 25.
- Wildin, George W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,758,727; May 13.
- Wilding, Frederick G., Union City, N. J. Type burnisher. 1,744,820; Jan. 28.
- Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
- Wilds, William, Butte, Mont. Overall fastener. 1,748,908; Feb. 25.
- Wildt & Company. (See Holmes, Henry H., assignor.)
- Wilermuth, Jesse W., Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Lip tile and mounting therefor. 1,777,456; Oct. 7.
- Wiles, Charles L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Feeding device for rim-rolling machines. 1,767,826; June 24.
- Wiley, Andrew J., Boise, Idaho. Metal reinforcement for timber poles. 1,784,770; Dec. 9.
- Wiley, E. A., et al. (See Brown, Jacob S., assignor.)
- Wiley, Esmond F. (See Donovan, J. J., and Wiley.)
- Wiley, Hugh, Los Altos, Calif. Internal-combustion engine. 1,782,642; Nov. 25.
- Wiley, James S., assignor to Kaelma Manufacturing Company, Inc., New York, N. Y. Bag or envelope. 1,756,047; Apr. 29.
- Wiley, Nathaniel T. (See Hersee, F. C., and Wiley.)
- Wiley, Roy R., Buffalo, assignor to Flexlume Corporation, Tonawanda, N. Y. Electric sign. 1,764,485; June 17.
- Wiley, Samuel, Metuchen, N. J. Pistol for discharging signal cartridges. 1,756,271; Apr. 29.
- Wiley, Samuel, Metuchen, N. J. Incendiary bomb. 1,771,455; July 29.
- Wiley, Samuel, Metuchen, N. J. Aerial bomb or flare. 1,774,535; Sept. 2.
- Wiley, Samuel, Metuchen, N. J. Flare. 1,780,214; Nov. 4.
- Wiley, Samuel, Metuchen, N. J. Illuminating device for aircraft. 1,781,621; Nov. 11.
- Wiley, Samuel D., Metuchen, N. J. Operating aircraft lights. 1,754,134; Apr. 8.
- Wiley, Samuel D., Metuchen, N. J. Parachute aircraft flare. 1,777,188; Sept. 30.
- Wiley, William R., Detroit, Mich. Hood catch. 1,778,474; Oct. 14.
- Wiley, William R., Detroit, Mich. Hood catch. 1,781,261; Nov. 11.
- Wilford, E. Burke. (See Constantin, Louis, assignor.)
- Wilford, E. Burke. (See Rieseler, W., and Kreiser, assignors.)
- Wilford, Edward B., Merion, Pa. Aircraft. 1,772,586; Aug. 12.
- Wilfred, Thomas, Huntington, N. Y. Light-projection display. 1,749,011; Mar. 4.
- Wilfred, Thomas, Forest Hills, N. Y. Light-projection display. 1,758,589; May 13.
- Wilfley, A. R., and Sons. (See Wilfley, Elmer R., assignor.)
- Wilfley, A. R., and Sons. (See Wilfley, George F., assignor.)
- Wilfley, Elmer R., Denver, Colo., assignor to A. R. Wilfley and Sons, Inc. Centrifugal pump. 1,756,323; Apr. 29.
- Wilfley, George F., Denver, Colo., assignor to A. R. Wilfley and Sons, Inc. Centrifugal pump. 1,756,324; Apr. 29.
- Wil-Fry Corporation. (See Fry, Walter L., assignor.)
- Wilhelm, Arthur M., Randolph, N. Y. Landing indicator for airports. Des. 81,677; July 22.
- Wilhelm, Benjamin L., Chicago, Ill. Lens attachment for eyes. 1,782,331; Nov. 18.
- Wilhelm, Fritz, Berlin-Halensee, and K. J. Müller, Berlin-Grünwald, Germany; said Wilhelm assignor to said Müller. Tone amplifier for sound-reproducing apparatus. 1,754,538; Apr. 15.
- Wilhelm, Harold F., East Orange, N. J., assignor to V. E. Minich, Scarsdale, N. Y. Automatic belt-tightening device. 1,764,767; June 17.
- Wilhelm, John C., Bartlesville, Okla. Safety-lock stop. 1,762,371; June 10.
- Wilhelm, John H., Rockaway Beach, assignor to Markon Manufacturing Co. Inc., New York, N. Y. Eye set for dolls. 1,728,833; Nov. 25.
- Wilhelm, John H., Rockaway Beach, Long Island, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Doll eyes. 1,786,588; Dec. 30.
- Wilhelm, Oscar, Huntington, W. a. Gas-burner attachment. 1,772,407; Aug. 5.
- Wilhelm, Ottmar, assignor to Maschinenfabrik Augsburg-Nürnberg, Aktiengesellschaft, Augsburg, Germany. Tripping arrangement for rotary intaglio-printing machines. 1,743,257; Jan. 14.
- Wilhelm, Ottmar, assignor to Maschinenfabrik Augsburg-Nürnberg, Aktiengesellschaft, Augsburg, Germany. Rotary intaglio-printing multimagines. 1,783,819; Dec. 2.
- Wilhelm, Ottmar, assignor to the firm Maschinenfabrik Augsburg-Nürnberg, Aktiengesellschaft, Augsburg, Germany. Rotary printing machine for combined intaglio and relief printing. 1,785,991; Dec. 23.
- Wilhelm, Rudolf, Essen-Altenessen, assignor to A. Beckers, Cologne-Kalk, Germany. Insulating means for coke-oven heads. 1,757,988; May 13.
- Wilhelm, Rudolf, Essen-Altenessen, assignor to A. Beckers, Cologne-Kalk, Germany. Sealing means for coke-oven doors. 1,765,642; June 24.
- Wilhelm, Russell H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,771,868; July 29.
- Wilhelmi, Valentin, Maywood, N. J. Boiler connection. 1,756,045; Apr. 29.
- Wilhelmi, Valentin, Maywood, N. J. Boiler connection. 1,756,046; Apr. 29.
- Wilhelm, Christian, Philadelphia, Pa. Periodic circuit maker for electric ovens. 1,767,636; June 24.
- Wilhelm, Christian, Philadelphia, Pa. Temperature-control apparatus. 1,767,637; June 24.
- Wilichowski, Godehard. (See Ach, N., and Wilichowski.)
- Wilinsen, Bernard. (See Kranz, P., and Schmid, assignors.)
- Wilke, John J. (See Wilke, Norman H., and J. J.)
- Wilke, Karl, and J. Stock, Höchst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of anthracene series containing nitrogen and preparing same. 1,759,249; May 20.
- Wilke, Karl, K. Thiess, and O. Braunsdorf, Frankfurt-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Derivatives of the pyrazolanthrone and preparing them. 1,772,620; Aug. 12.
- Wilke, Norman H., and J. J., Toledo, Ohio. Ball-bearing swing hinge. 1,756,413; Apr. 29.
- Wilke, Wilhelm. (See Müller-Cunradi, M., and Wilke.)
- Wilken, Fred. (See Sessler, Joseph G., assignor.)
- Wilkening Manufacturing Co. (See Wuerfel, William, assignor.)
- Wilkerson, Daniel C., Washington, D. C. Thermionic device. 1,752,132; Mar. 25.
- Wilkes, Alfred L., Los Angeles, Calif. Casting machine. 1,751,846; Mar. 25.
- Wilkes, Frederic, Wilkesburg, Pa. Cleaning compound. 1,753,395; Apr. 8.
- Wilkes, Henry, & Company. (See Cook, Charles A., assignor.)
- Wilkes, Thomas S. (See McHenry, F. M., and Wilkes.)
- Wilkes, Thomas S., Corvallis, Oreg. Surgical splint. 1,780,959; Nov. 11.
- Wilkey, B. Taylor, Nogales, Ariz. Combined four-wheel jack and shock absorber. 1,760,891; June 3.
- Wilkin, John T., and C. R. Houghton, assignors to The Connersville Blower Company, Inc., Connersville, Ind. Gas-metering system. 1,759,384; May 20.
- Wilkins, Adelbert E. (See Smith, M. F., and Wilkins.)
- Wilkins, Ina M., administratrix. (See Wilkins, Thomas M.)
- Wilkins, Kenneth M., Waukegan, Ill. Electric trolley head. 1,743,300; Jan. 14.
- Wilkins, Roy, San Francisco, Calif. Well-drilling equipment. 1,785,163; Dec. 16.

- Wilkins, Thomas M., Sugar Grove, Pa., assignor of one-half to A. Falconer, Jamestown, N. Y. Well-drilling rig. 1,758,728; May 13.
- Wilkins, Thomas M., deceased, assignor of one-fourth to J. W. Rulifson, Jamestown, N. Y.; I. M. Wilkins, administratrix. Wrench device. 1,779,025; Oct. 21.
- Wilkinson, Alan D., Cananea, assignor to The Cananea Consolidated Copper Company, S. A., Cananea, Sonora, Mexico. Smelting copper. 1,759,078; May 20.
- Wilkinson, Dorsey E., Richmond, Va. Thrust bearing. 1,742,741; Jan. 7.
- Wilkinson, Eltoft W. (See Trotter, W., and Wilkinson.)
- Wilkinson, George D., Oak Park, assignor to Cribben & Sexton Company, Chicago, Ill. Heater casing. Des. 80,761; Mar. 18.
- Wilkinson, George H. (See Muir, John, assignor.)
- Wilkinson, Guy C., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Gas-burner attachment for clothes-washing machines. 1,749,456; Mar. 4.
- Wilkinson, Henry, Oldham, assignor of one-half to Platt Brothers and Company Limited, Oldham, England. Hopper feeder for textile material. 1,778,741; Oct. 21.
- Wilkinson, Jabez, Fall River, Mass. Warp beam. 1,758,343; May 13.
- Wilkinson, John, Syracuse, N. Y. Rotary valve mechanism for internal-combustion engines. 1,765,556; June 24.
- Wilkinson, Owen T., assignor to Los Angeles Rubber Stamp Co., Los Angeles, Calif. Tag-stamping machine. 1,777,270; Sept. 30.
- Wilkinson, Robert W. (See Hunt, C. M., and Wilkinson.)
- Wilkinson, Richard J., Pawtucket, R. I., assignor to Rib-elastic Company, Needham Heights, Mass. Knitting elastic fabrics. 1,775,033; Sept. 2.
- Wilkoff, Louis C., Youngstown, Ohio, assignor to William Wilkoff, Inc. Rail joint. 1,746,175; Feb. 4.
- Wilkoff, William, Inc. (See Wilkoff, Louis C., assignor.)
- Wilks, Charles H., Marche, Ark. Tractor wheel. 1,782,643; Nov. 25.
- Will, Heinrich, Usingen, Taunus, Germany. Whitening knife for treating leather. 1,766,159; June 24.
- Willamette Iron and Steel Works. (See Gorbitt, Sidney B., assignor.)
- Willans, Peter W., Pattishall, Towchester, England. Thermionic valve circuits. 1,768,182; June 24.
- Willard, Donald E. (See Blake, Dennis B. D., assignor.)
- Willard, Donald E., Danville, Ill. Desk watch holder. 1,763,026; June 10.
- Willard, Donald E., Danville, Ill. Metal casting. 1,774,687; Sept. 2.
- Willard, Louis J., assignor to The Rotary Printing Company, Norwalk, Ohio. Method and apparatus for making manifold forms. 1,753,764; Apr. 8.
- Willard Storage Battery Company. (See Dunzweiler, Carl J., assignor.)
- Willard Storage Battery Company. (See Lormor, Henry W., assignor.)
- Willard Storage Battery Company. (See Lundeen, Ernest F., assignor.)
- Willard Storage Battery Company. (See Marko, Paul M., assignor.)
- Willard Storage Battery Company. (See Willard, Theodore A., assignor.)
- Willard, Theodore A., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Container for power units. 1,767,195; June 24.
- Willard, Theodore A., Cleveland Heights, Ohio, assignor to Radio Corporation of America, New York, N. Y. Radio apparatus. 1,777,538; Oct. 7.
- Willard, Waldo W. (See Hewlett, E. M., and Willard.)
- Willard, Waldo W., Schenectady, N. Y., assignor to General Electric Company. Indicator system. 1,755,975; Apr. 22.
- Willauer, William R., Spartanburg, S. C. Apparatus for dispensing ice cream. 1,773,070; Aug. 12.
- Willcox, Albert M. (See Willcox, Jule S. and A. M.)
- Willcox, Frederick H., assignor to Freyn Engineering Company, Chicago, Ill. Liquid-sealed heat exchanger. 1,745,135; Jan. 28.
- Willcox, Frederick H., and E. P. Everhard, assignors to Freyn Engineering Company, Chicago, Ill. Burner. 1,781,796; Nov. 18.
- Willcox, Jule S. and A. M., Savannah, Ga. Safety valves. 1,775,795; Sept. 16.
- Wille, Fredrik. (See von Maltitz, E., and Wille.)
- Wille, Fredrik, Chicago, Ill. Furnace for treating sheet metal or the like. 1,757,789; May 6.
- Wille, Fredrik, Wilmette, assignor to H. A. Brassett & Company, Chicago, Ill. Manufacturing metal sheets or strips. 1,761,248; June 3.
- Willeke, Joseph G., Seattle, Wash. Football game board. 1,777,868; Oct. 7.
- Willenbring, Arnold B., Richmond, Minn. Windmill. 1,782,280; Nov. 18.
- Willers, George E., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Making well strainers. 1,763,996; June 17.
- Willett, Albert B., Sacramento, Calif. Aeroplane-control apparatus. 1,762,851; June 10.
- Willett, Alfred H., West Englewood, N. J., assignor to American Arch Company, New York, N. Y. Refractory arch and arch brick. 1,777,818; Oct. 7.
- Willett, Charles C. (See Dean, George E., assignor.)
- Willette, Charles W., Portland, Ore. Hand-operated lumber trimmer. 1,785,373; Dec. 16.
- Willets, Paul G., Berlin, assignor to Hartford-Empire Company, Hartford, Conn. Refractory block. 1,758,903; May 13.
- Willfroth, Ernst. (See Wietzel R., and Willfroth.)
- Willheim, Ernst, Gilgenberg, Austria. Control apparatus. 1,750,078; Mar. 11.
- Willi, Albert B., assignor to Continental Motors Corporation, Detroit, Mich. Pump. 1,764,706; June 17.
- Willi, Otto B., Montgomery City, Mo. Knob-attaching device. 1,759,771; May 20.
- Williamette-Ersted Company. (See Grab, Gustav A., assignor.)
- Williams, Albert J., jr. (See Schwartz, E. L., and Williams.)
- Williams, Alfred J., Seattle, Wash. Ironing board. 1,742,431; Jan. 7.
- Williams, Alfred P., Madisonville, Ky. Toy electrically-operated shovel. 1,780,806; Nov. 4.
- Williams, Andrew, and J. Bontya, Philadelphia, Pa. Food cutter. 1,746,176; Feb. 4.
- Williams, Arthur. (See Griffin, J. F., and Williams.)
- Williams, Arthur, assignor to American Throttle Company, Inc., New York, N. Y. Power-actuated throttle-valve control. 1,777,819; Oct. 7.
- Williams, Arthur A., Holliston, Mass. Shoe. 1,763,997; June 17.
- Williams, August F., assignor to The American Multigraph Company, Cleveland, Ohio. Preventing smudging in printing machines. 1,743,258; Jan. 14.
- Williams, August F., South Euclid, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio. Printing machinery. 1,743,416; Jan. 14.
- Williams, Benjamin S., Nashville, Tenn. Key-cutting machine. 1,775,921; Sept. 16.
- Williams, Calvin C., Philadelphia, Pa. Mechanical movement. 1,772,531; Aug. 12.
- Williams, Calvin C., Philadelphia, Pa. Valve-actuating mechanism. 1,784,036; Dec. 9.
- Williams, Camp, and Bradbury. (See Spohr, Carl W., assignor.)
- Williams, Charles D., Silver Lake, Kans. Line tester. 1,769,248; July 1.
- Williams, Charles E., and J. A. Johnson, assignors to Indiana Brass Company, Frankfort, Ind. Tank-filling apparatus. 1,760,391; May 27.
- Williams, Chester I., assignor of one-half to Goodspeed Investment Company, Grand Rapids, Mich. Puller. 1,746,570; Feb. 11.
- Williams, Clarence O., Evansville, Ind. Tool for removing glass and other objects from automobiles. 1,751,181; Mar. 18.
- Williams, Claude W., Pawhuska, Okla. Golf-stroke-registering device. 1,765,518; June 24.
- Williams, Clinton R., New York, N. Y. Fountain-pen housing. 1,780,546; Nov. 4.
- Williams Company, The. (See Boehler, Raymond F., jr., assignor.)
- Williams Company, The. (See Robbins, William H., assignor.)
- Williams, David. (See Grossmann, M. A., and Williams.)
- Williams, David C., Medfield, assignor to H. F. Hurlburt, jr., Wellesley, Mass. Packing for safety-razor blades. 1,782,797; Nov. 25.
- Williams, David G., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Closure means for containers. 1,743,058; Jan. 7.
- Williams, David T., Paterson, N. J. Drifting valve. 1,752,321; Apr. 1.
- Williams, David T., Paterson, N. J. Distillation apparatus. 1,778,177; Oct. 14.
- Williams, David T., Paterson, N. J., assignor to Petroleum Derivatives Incorporated of Maine, New York, N. Y. Distillation apparatus. 1,777,950; Oct. 7.
- Williams, Dick B., Larchmont, N. Y. Display-tray system and trays therefor. 1,758,098; May 13.
- Williams, Djalma D., and H. B. Murphey, Dallas, Tex., assignors to Chicago Bridge & Iron Company, Chicago, Ill. Liquid-storage tank. 1,761,697; June 3.
- Williams, Dolphus, Sanger, Calif. Engine valve. 1,755,976; Apr. 22.
- Williams, Earl, Los Angeles, Calif. Hand-adapted trombone brace. 1,782,452; Nov. 25.
- Williams, Edgar A., Upper Black Eddy, Pa. Rifle-barrel attachment and ammunition for shotgun barrels. 1,759,772; May 20.
- Williams, Edgar A., Upper Black Eddy, Pa. Interchangeable barrel for guns. 1,760,731; May 27.
- Williams, Edward, Charleroi, assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Furnace door. Re17,864; Nov. 11.
- Williams, Edward A., Providence, R. I. Bracelet. Des. 80,298; Jan. 7.
- Williams, Edward F., Memphis, Tenn. Vanity-case accessory clamp. 1,775,379; Sept. 9.
- Williams, Edward I., Copperhill, Tenn. Method of and converter for bessemerizing. 1,768,649; July 1.
- Williams, Edward T., Pelham Manor, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Refrigerating apparatus. Re17,635; Apr. 1.
- Williams, Edward T., Brooklyn, N. Y. System and method of lubricating compressors. 1,750,293; Mar. 11.
- Williams, Ella G., St. Louis, Mo. Wall ornament. Des. 80,654; Mar. 4.
- Williams, Ernest, et al. (See Holmes, Daniel T., assignor.)

- Williams, Ernest, Stone, England. Trepan tool with radial cage, cutter, and guide. 1,780,325; Nov. 4.
- Williams, Ernest A., Elyria, Ohio. Rotary cutter. 1,762,648; June 10.
- Williams, Eugene T. (See Morrison, J. A., and Williams.)
- Williams, Fletcher C., Norwalk, Conn., assignor to H. D. Williams, New York, N. Y. Receptacle. 1,775,796; Sept. 16.
- Williams, Forest B., Shelby, N. C. Milk-bottle receptacle. 1,745,074; Jan. 28.
- Williams, Forrest B., Shelby, N. C. Milk-bottle receptacle. 1,769,559; July 1.
- Williams, Frank, assignor to Simplex Gold Stamping Press Co. Inc., New York, N. Y. Clamp to be used in connection with embossing machines. 1,785,851; Dec. 23.
- Williams, Frank A. (See Newman, H. F., and Williams.)
- Williams, Fred M. (See Newman, Albert N., assignor.)
- Williams, Frederick P., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,758,135; May 13.
- Williams-Freese Corporation. (See Williams, Martin L., assignor.)
- Williams, G. H. Company. (See Harrington, Edward L., assignor.)
- Williams, George, Bellefontaine, Ohio. Exhaust auto heater. 1,743,581; Jan. 14.
- Williams, George A., Los Angeles, Calif. Water-sprinkling device. 1,767,028; June 24.
- Williams, George A., Los Angeles, Calif. Cigar or cigarette holder. 1,774,073; Aug. 26.
- Williams, George A., assignor to Williams Sealing Corporation, Decatur, Ill. Bottle cap. 1,743,945; Jan. 14.
- Williams, George K., Port Pirie, South Australia, Australia. Refining of lead bullion. 1,774,688; Sept. 2.
- Williams, George T., assignor to The India Machine & Rubber Mold Company, Akron, Ohio. Collapsible core. 1,747,851; Feb. 18.
- Williams, Harold, et al. (See Timoney, Andrew J., assignor.)
- Williams, Harold E., Carthage, Mo. Awning. 1,753,102; Apr. 1.
- Williams, Harold E., Carthage, Mo. Awning for automobiles. 1,766,769; June 24.
- Williams, Harrison R., New York, N. Y. Making packing material and product. 1,781,797; Nov. 18.
- Williams, Harry, Vancouver, British Columbia, Canada. Cutlery-cleaning device. 1,780,637; Nov. 4.
- Williams, Harry M., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Heating furnace. 1,761,028; June 3.
- Williams, Harry M., Dayton, Ohio, assignor to General Motors Research Corporation. Making articles of lead-copper and analogous alloys. 1,761,506; June 3.
- Williams, Harry M., assignor to Frigidaire Corporation, Dayton, Ohio. Electrical apparatus. 1,776,276; Sept. 23.
- Williams, Harry M., and A. L. Boegehold, assignors to General Motors Research Corporation, Dayton, Ohio. Alloy structure. 1,766,865; June 24.
- Williams, Harry M., and C. L. Lee, assignors to General Motors Research Corporation, Dayton, Ohio. Machine for and method of finishing bushings. 1,753,632; Apr. 8.
- Williams, Harry M., and R. G. Suman, assignors to General Motors Research Corporation, Dayton, Ohio. Producing metal sheets by electrodeposition. 1,760,028; May 27.
- Williams, Harvey, Massillon, Ohio, and J. W. McHugh, Pittsburgh, assignors to Pittsburgh Steel Foundry Corporation, Glassport, Pa. Annealing box. 1,764,768; June 17.
- Williams, Harvey D., Wallingford, Conn., assignor, by mesne assignments, to Security Trust Company, Detroit, Mich. Toothed gearing. 1,746,571; Feb. 11.
- Williams, Henry C., Sargent, Nebr. Fuel composition. 1,755,282; Apr. 22.
- Williams, Henry D. (See Williams, Fletcher C., assignor.)
- Williams, Herbert H., assignor to T. E. Murray, deceased, Brooklyn, N. Y.; J. E. T. E., jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Making wheels. 1,772,273; Aug. 5.
- Williams, Horace S., Brooklyn, N. Y. Facilitating the application to or removal of the knife from paper-cutting machines. 1,743,946; Jan. 14.
- Williams, Howard G., Canton, Ohio. Airplane. 1,776,139; Sept. 16.
- Williams, Hubert P., Hamlin, Tex. Trailer coupler. 1,745,136; Jan. 28.
- Williams, Ira. (See Burnett, W. B., and Williams.)
- Williams, Ira, Lakewood, assignor, by mesne assignment, to The Grasselli Chemical Company, Cleveland, Ohio. Inhibitor. 1,773,247; Aug. 19.
- Williams, Ira, and W. B. Burnett, Pittsburgh, Pa., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Aldehyde amine condensation product. 1,780,326; Nov. 4.
- Williams, Jacob D. W., Tabor, N. C. Berry-picker's vehicle. 1,756,803; Apr. 29.
- Williams, James F., assignor to Ramp Buildings Corporation, New York, N. Y. Building. 1,766,475; June 24.
- Williams, James F., Lyndhurst, N. J., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing. 1,785,063; Dec. 16.
- Williams, J. H., Company. (See Bayrer, Louis G., assignor.)
- Williams, J. H., & Co. (See Kress, Willard C., assignor.)
- Williams, James H., assignor to Detroit and Security Trust Company, Detroit, Mich. Making castings. 1,781,143; Nov. 11.
- Williams, James R., assignor to H. M. Sheer Company, Quincy, Ill. Damper control for house-heating systems. 1,780,960; Nov. 11.
- Williams, John C., Westport, Conn., and O. W. Greeman, Marion, Ky., assignors to Aluminum Company of America, Pittsburgh, Pa. Recovery of fluorspar from ores thereof. 1,785,992; Dec. 23.
- Williams, John D., Niles, Ohio. Grinding or polishing rolls. 1,749,457; Mar. 4.
- Williams, John D., Niles, Ohio. Roll heater. 1,781,798; Nov. 18.
- Williams, John H. (See Hamilton, J. H., and Williams.)
- Williams, John J. (See Gray, D. M., and Williams.)
- Williams, John S., Clifton Forge, Va. Feed-water heater. 1,777,063; Sept. 30.
- Williams, John W., Tampa, Fla. Surgical instrument for circumcisions. 1,765,319; June 17.
- Williams, Joseph A., Cleveland, Ohio. Material for contact points and the like. 1,774,689; Sept. 2.
- Williams, Joseph A., Angier, N. C. Transplanter. 1,778,701; Oct. 14.
- Williams, Judson, Philadelphia, Pa. Piston ring. 1,764,815; June 17.
- Williams, Julius E., Willoughby, Ohio, assignor, by mesne assignments, to Republic Steel Corporation. Nut-feeding mechanism. 1,786,469; Dec. 30.
- Williams, Kenneth G., St. Paul, Minn. Electric bell-sounding device for clocks. 1,766,160; June 24.
- Williams, Leo L., Cleveland Heights, Ohio. Molding for automobile bodies and the like. 1,771,386; July 22.
- Williams, Leonard H., Freewater, Oreg. Wire puller. 1,781,622; Nov. 11.
- Williams, Leroy E. (See Davis, D. H., and Williams.)
- Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Articulated tongue for trailers. 1,748,967; Mar. 4.
- Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Curtain cover for dumping bodies. 1,770,503; July 15.
- Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Dump-body vehicle. 1,780,775; Nov. 4.
- Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Trailer-frame structure. 1,780,776; Nov. 4.
- Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Demountable cover for dumping bodies. 1,781,713; Nov. 18.
- Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Trailer-steering device. 1,784,263; Dec. 9.
- Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Flexible cover for dumping bodies. 1,786,048; Dec. 23.
- Williams, Lewis G. (See Mitchell, John F., assignor.)
- Williams, Lewis S., Romsey, England. Boot and shoe sock. 1,780,574; Nov. 4.
- Williams, Linwood R., Orange, N. J. Swimming device. 1,765,116; June 17.
- Williams, Louis N. D. (See Butz, Walter D., assignor.)
- Williams, Louis N. D., Ogontz, Pa., assignor to Scott & Williams, Incorporated, New York, N. Y. Knitting machine. 1,743,699; Jan. 14.
- Williams, Louis N. D., Ogontz, Pa., assignor to Scott & Williams, Incorporated, New York, N. Y. Mechanism for transferring knitted webs. 1,743,947; Jan. 14.
- Williams, Louis N. D., Ogontz, Pa., assignor to Scott & Williams, Incorporated, New York, N. Y. Mechanism for transferring knitted webs. 1,743,948; Jan. 14.
- Williams, Louis N. D., Ogontz, Pa., and H. Swinglehurst, jr., Brooklyn, assignors to Scott & Williams, Incorporated, New York, N. Y. Loop retainer and mechanism therefor. 1,782,375; Nov. 18.
- Williams, Lynn A. (See Tallmadge, Charles H., assignor.)
- Williams, Mark B., Plainview, Tex. Automatic tractor-steering device. 1,755,623; Apr. 22.
- Williams, Martin L., assignor to Williams-Freese Corporation, Chicago, Ill. Support for portable type-writers. 1,778,877; Oct. 21.
- Williams, Nealy, Columbus, Ga. Footwear. 1,745,654; Feb. 4.
- Williams Oil-O-Matic Heating Corporation. (See Celander, Philip A., assignor.)
- Williams Oil-O-Matic Heating Corporation. (See Simmons, A. T., and Miles, assignors.)
- Williams Oil-O-Matic Heating Corporation. (See Williams, Walter W., assignor.)
- Williams, Oliver J., Burlingame, Calif. Rotary pivoted hammer. 1,760,097; May 27.
- Williams, Paul F., assignor to G & W Electric Specialty Co., Chicago, Ill. Electrical connector. 1,749,790; Mar. 11.
- Williams, Paul F., assignor to G & W Electric Specialty Company, Chicago, Ill. Pothead. 1,762,495; June 10.
- Williams, Paul F., assignor to G & W Electric Specialty Company, Chicago, Ill. Connecting means for electrical conductors. 1,762,496; June 10.
- Williams, Paul F., assignor to G & W Electric Specialty Co., Chicago, Ill. Connector for electrical conductors. 1,763,623; June 10.

- Williams, Paul F., assignor to G & W Electric Specialty Co., Chicago, Ill. Electrical connector. 1,776,275; Sept. 23.
- Williams, Paul F., assignor to G. & W. Electric Specialty Co., Chicago, Ill. Combination pot head and series cut-out. 1,780,413; Nov. 4.
- Williams, Paul F., assignor to G. & W. Electric Specialty Co., Chicago, Ill. Conductor disconnecter. 1,781,144; Nov. 11.
- Williams, Paul F., assignor to G. & W. Electric Specialty Company, Chicago, Ill. Cable hanger. 1,781,145; Nov. 11.
- Williams, Paul F., assignor to G & W Electric Specialty Co., Chicago, Ill. Pothead device for use on electrical circuits. 1,781,671; Nov. 11.
- Williams, Paul F., assignor to G. & W. Electric Specialty Co., Chicago, Ill. System of electrical distribution and control means therefor. 1,782,558; Nov. 25.
- Williams, Percy G., Toledo, Ohio. Leer feeder. 1,778,742; Oct. 21.
- Williams, Percy Q., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass-annealing leer. 1,773,383; Aug. 19.
- Williams, Percy Q., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware-annealing leer. 1,783,208; Dec. 2.
- Williams, Ralph T., assignor to Roth Bros. & Co., Chicago, Ill. Emergency lighting system. 1,761,002; June 3.
- Williams, Ralph T., assignor to Roth Brothers & Co., Chicago, Ill. Exit and emergency lighting system. 1,770,055; July 8.
- Williams, Raymond A., Arlington, Mass. Pin magazine for bowling alleys. 1,784,084; Dec. 9.
- Williams, Reginald V., Buffalo, N. Y. Apparatus for treating dental investments. 1,756,325; Apr. 29.
- Williams, Richard F., Eveleth, Minn. Safety clamp. 1,774,623; Sept. 2.
- Williams, Robert T., assignor to H. M. Sheer Company Quincy, Ill. Damper control. 1,744,189; Jan. 21.
- Williams, Robert T., assignor to H. M. Sheer Company, Quincy, Ill. Canopy or hover for brooders. 1,757,890; May 6.
- Williams, Roger, assignor to Du Pont Ammonia Corporation, Wilmington, Del. Preparation of phosgene. 1,746,506; Feb. 11.
- Williams, Roger, assignor to Du Pont Ammonia Corporation, Wilmington, Del. Method of and apparatus for conducting catalytic exothermic gaseous reactions. 1,769,873; July 1.
- Williams, Roger S., New York, N. Y. Method and mechanism for lubricating locomotive driving-rod journals. 1,784,405; Dec. 9.
- Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. State-highway guard fence. 1,742,838; Jan. 7.
- Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Guy attachment for poles. 1,742,839; Jan. 7.
- Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Electric-railway equipment. 1,751,118; Mar. 18.
- Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Highway guard-fence fixture. 1,751,119; Mar. 18.
- Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Pole attachment for electric conductors. 1,754,924; Apr. 15.
- Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Mount for steel poles. 1,761,507; June 3.
- Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Mount for metal poles. 1,761,508; June 3.
- Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Gain fixture for poles. 1,761,509; June 3.
- Williams, Samuel, Elk City, Okla. Valve for pneumatic conveyers. 1,755,464; Apr. 22.
- Williams, Samuel, Elk City, Okla. Machine for extracting hulls of cotton bolls from seed cotton. 1,757,762; May 6.
- Williams, Samuel C., West Orange, N. J., assignor to Columbia Engineering & Management Corporation, New York, N. Y. Refrigerating system. 1,774,820; Sept. 2.
- Williams, Samuel F., San Diego, Calif. Folding ladder. 1,783,686; Dec. 2.
- Williams Sealing Corporation. (See Williams, George A., assignor.)
- Williams, Selden T. (See Johnson, E. R. F., and Williams.)
- Williams, Selden T., Woodbury, N. Y., assignor to Victor Talking Machine Company. Sound amplification. 1,768,226; June 24.
- Williams, Selden T., Woodbury, and T. T. Greene, Collingswood, assignors to Victor Talking Machine Company, Camden, N. J. Lid hinge and support. 1,767,336; June 24.
- Williams, Stephen L., assignor to Extruded Metal Products Company, Bridgeport, Ohio. Pickling apparatus. 1,755,719; Apr. 22.
- Williams, Steve, Sugarite, N. Mex. Sand box and ball-field marker. 1,769,480; July 1.
- Williams, Theophilus G., Morristown, N. J. Lady's novelty hand bag. 1,756,048; Apr. 29.
- Williams, Theophilus G., Morristown, N. J. Sound amplifier. 1,760,892; June 3.
- Williams, Theron H., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Carline bracket. 1,753,633; Apr. 8.
- Williams, Thomas, Topeka, Kans. Spudding cushion for drilling machinery. 1,783,006; Nov. 25.
- Williams, Thomas D., Cleveland, Ohio. Shears. 1,758,019; May 13.
- Williams, W. A. (See Bryant, William T., assignor.)
- Williams, Walter N., London, England. Method of and apparatus for joining together strips of flexible or semi-flexible material. 1,771,105; July 22.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Burner assembly. 1,742,887; Jan. 7.
- Williams, Walter W., assignor to Williams-Oil-O-Matic Heating Corporation, Bloomington, Ill. Thermostatically-actuated electric control. 1,763,573; June 10.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Expanding stuffing box. 1,763,574; June 10.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Electric-circuit control. 1,763,575; June 10.
- Williams, William A., Edinburgh, Scotland. Electrodeposition of rubber. 1,769,659; July 1.
- Williams, William A., Edinburgh, Scotland. Electrodeposition of rubber. 1,778,841; Oct. 21.
- Williams, William E., Wilmette, assignor to Ditto, Incorporated, Chicago, Ill. Gelatin-sheet copying machine. 1,756,578; Apr. 29.
- Williams, William E., Wilmette, assignor to Ditto, Incorporated, Chicago, Ill. Copy machine using the hectograph method. 1,761,283; June 3.
- Williams, William E., Wilmette, Ill., assignor to Ditto, Incorporated, Chicago, Ill. Hectograph copying machine. 1,778,542; Oct. 14.
- Williams, William E., Chicago, Ill., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Felly portion of wheels. 1,761,284; June 3.
- Williams, William E., assignor of one-fourth to A. B. Bowman, Harrisonville, Mo., and one-fourth to D. T. Hulse, De Queen, Ark. Leg-fastening means. 1,778,135; Oct. 14.
- Williams, William F., Mount Lawley, Australia. Direction indicator for motor vehicles. 1,777,240; Sept. 30.
- Williams, William F., Chicago, Ill. Bumper. 1,777,342; Oct. 7.
- Williams, William H. (See Britton, E. C., and Williams.)
- Williams, William H., assignor to The Dow Chemical Company, Midland, Mich. Making arylamines. 1,775,360; Sept. 9.
- Williams, William H., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of phenates. 1,756,110; Apr. 29.
- Williams, William L. S., assignor to Hawaiian Cane Products, Limited, Hilo, Hawaii. Treating bagasse for the manufacture of wall board and the like. 1,782,755; Nov. 25.
- Williams, William M., High Bridge, N. J. Quick-beverage cup. 1,770,118; July 8.
- Williams, William R., Salt Lake City, Utah. Toy. 1,780,855; Nov. 4.
- Williams, William S. (See Kistner, F. J., and Williams.)
- Williams, Wilbert S., and D. L. Middendorf, assignors to The Federal Glass Company, Columbus, Ohio. Method and apparatus for manufacturing glassware. 1,778,743; Oct. 21.
- Williams, William W., Lubbock, Tex., assignor to The Federal Supply Company. Gas regulator. 1,766,274; June 24.
- Williams, Zenas H., San Antonio, Tex. Steering device. 1,777,189; Sept. 30.
- Williamson, Alice L. (See Williamson, John A. and A. L.)
- Williamson, Alva, San Bernardino, Calif. Tilting device for vehicles. 1,786,589; Dec. 30.
- Williamson, Bert, McKeesport, Pa. Combination cleaver, knife, and saw. 1,763,452; June 10.
- Williamson, Francis O., Alameda, Calif. Ball mill. 1,744,089; Jan. 21.
- Williamson, George M., and G. W. Haywood, Shreveport, La. Aspirating head for flowing liquids. 1,758,812; May 13.
- Williamson Heater Company, The. (See Doyle, William J., assignor.)
- Williamson, James, Chicago, Ill. Lighting fixture. 1,769,911; July 1.
- Williamson, James R., Raleigh, assignor of one-third to S. Bundy, Dallas, Tex. Socket wrench. 1,779,203; Oct. 21.
- Williamson, John, Hamworthy, Poole, England. Oven of the direct-flame continuous-tunnel type. 1,775,302; Sept. 9.
- Williamson, John A. and A. L., Parsons, Kans. Coin-controlled mechanism. 1,765,253; June 17.
- Williamson, Lewis F., Harrisonville, Mo. Oil burner. 1,746,177; Feb. 4.
- Williamson, Milton C., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Reading glass. Des. 81,359; June 10.
- Williamson, Nate S., et al. (See Birdsong, John W., assignor.)

- Williamson, Richard, assignor, by mesne assignments, to Beardslee Chandelier Manufacturing Co., Chicago, Ill. Lighting fixture. 1,767,418; June 24.
- Williamson, Richard, assignor, by mesne assignments, to Beardslee Chandelier Manufacturing Co., Chicago, Ill. Lighting fixture. 1,767,419; June 24.
- Williamson, Thomas E., Kirkland, Tex. Churn. 1,755,343; Apr. 22.
- Williamson, Timothy W., and R. R. Gentry, Hollywood, Tenn. Mail-sorting apparatus. 1,753,036; Apr. 1.
- Williamson, William F., Evanston, Ill. Field sign. 1,778,616; Oct. 14.
- Williamsport Mirror & Glass Co. (See Maeulen, Adolph, assignor.)
- Williamsport Wire Rope Company. (See Sherman, Delmar C., assignor.)
- Willig, Bruno W., San Angelo, Tex. Closure fastener. 1,774,307; Aug. 26.
- Willimek, Gustaw, and Wladyslaw Skarbek-Kozietulski, Grudziadz, Poland. Discharging means for open railway wagons. 1,763,545; June 10.
- Willing, Joseph E., assignor to General Railway Signal Company, Rochester, N. Y. Relay-mounting means. 1,766,577; June 24.
- Willis, Bernard D., Oak Park, assignor to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,755,378; Apr. 22.
- Willis, Frank E., assignor of one-half to W. L. Cohrs, Chicago, Ill. Combined counter stiffener and arch support. 1,762,872; June 10.
- Willis, George R., Syracuse, N. Y. Flowerpot. 1,773,302; Aug. 12.
- Willis-Jones Machinery Co. (See Willis, Rex C., assignor.)
- Willis, Le Roy W., Brooklyn, assignor to Intertype Corporation, New York, N. Y. Type slug. 1,742,981; Jan. 7.
- Willis, Le Roy W., Brooklyn, assignor to Intertype Corporation, New York, N. Y. Thermostatic control device. 1,770,365; July 8.
- Willis, LeRoy W., Brooklyn, assignor to Intertype Corporation, New York, N. Y. Metal pot for line-casting machines. 1,785,607; Dec. 16.
- Willis, Olo C., Lakewood, assignor to The P. A. Geier Company, Cleveland, Ohio. Dust bag for suction cleaning apparatus. Re17,852; Oct. 28.
- Willis, Olo C., assignor to The P. A. Geier Company, Cleveland, Ohio. Dust bag for suction cleaning apparatus. 1,753,458; Apr. 8.
- Willis, Rex C., assignor to Willis-Jones Machinery Co., Inc., Seattle, Wash. Universal mounting. 1,770,721; July 15.
- Willis, Robert L., Youngstown, Ohio. Making producer gas. 1,758,991; May 20.
- Willis, William N., Medford, Mass. Clothespin bag. 1,749,992; Mar. 11.
- Willman, Joseph S., Brooklyn, N. Y. Automatic fender for vehicles. 1,748,814; Feb. 25.
- Willmore, Knight N., Fairfax, Okla. Grease gun. 1,750,378; Mar. 11.
- Willoughby, Lively B., Bowling Green, Ky. Biscuit package. 1,760,732; May 27.
- Willoughby, Ralph, Stocksfield, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric signaling or control system. 1,762,906; June 10.
- Willoughby, Victor. (See Knight, J. M., and Willoughby.)
- Willoughby, Victor. (See Nichols, R. G., and Willoughby.)
- Willoughby, Victor. (See Wood, J. L., and Willoughby.)
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Wash-out-plug retainer. 1,748,162; Feb. 25.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Multi-unit tank car. 1,754,450; Apr. 15.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,774,344; Aug. 26.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Safety valve. 1,774,690; Sept. 2.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,784,472; Dec. 9.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,784,473; Dec. 9.
- Willrodt, Fred L., Omaha, Nebr. Steering attachment for tractors. Re17,780; Aug. 26.
- Willrodt, Fred L., assignor to The Willrodt Tractor Guide Company, Omaha, Nebr. Steering attachment for tractors. 1,776,940; Sept. 30.
- Willrodt Tractor Guide Company. (See Willrodt, Fred L., assignor.)
- Wills, Arnold S. (See Ford, Arthur, assignor.)
- Wills, Ellis V., St. Louis, Mo. Tool. 1,750,079; Mar. 11.
- Wills, Harry E., North Brookfield, Mass. Heel cutter. 1,755,856; Apr. 22.
- Wills, Herbert J., Niagara Falls, N. Y., assignor to The Carborundum Company. Automatic lapping machine. 1,784,648; Dec. 9.
- Wills, Preslay C. (See Gates, G. C., Clark, and Wills.)
- Wills, Thomas H., Minneapolis, Minn. Anchor hoist. 1,767,568; June 24.
- Willsea, Jasper B., assignor to Willsea Works, Rochester, N. Y. Clip for sheet material. 1,768,497; June 24.
- Willsea, Jasper B., assignor to Willsea Works, Rochester, N. Y. Sheet-drying process and apparatus. 1,768,498; June 24.
- Willsea, Louis P., Rochester, assignor to Box Blank Corporation, New York, N. Y. Paper-products machine. 1,742,335; Jan. 7.
- Willsea Works. (See Willsea, Jasper B., assignor.)
- Willshaw, Harry. (See McKay, R. F., Willshaw, Gorham, and Lee.)
- Willson, George L., New York, N. Y. Printer's blanket and making the same. 1,775,953; Sept. 16.
- Willson, Job H., assignor to Penn Art Steel Works, Erie, Pa. Receptacle. 1,781,909; Nov. 18.
- Willson, Thomas C., Philadelphia, Pa. Camera carrying and supporting means. 1,749,012; Mar. 4.
- Willson, Thomas C., Philadelphia, Pa. Photographic camera. 1,749,523; Mar. 4.
- Willumsen, Oscar, Ocean Park, Calif. Reserve dispensing container. 1,750,205; Mar. 11.
- Willy, Walter M. (See Nelson, O. S., and Willy.)
- Willys-Overland Company, The. (See Belden, Edward H., assignor.)
- Willys-Overland Company, The. (See Boor, Arthur, assignor.)
- Willys-Overland Company, The. (See Boughton, Solon J., assignor.)
- Willys-Overland Company, The. (See Clark, Max J., assignor.)
- Willys-Overland Company, The. (See Edwards, Henry J., assignor.)
- Willys-Overland Company, The. (See Fisher, Walter S., assignor.)
- Willys-Overland Company, The. (See Gilbert, Alva B., assignor.)
- Willys-Overland Company, The. (See Girard, Arthur G., assignor.)
- Willys-Overland Company, The. (See Grimm, George E., assignor.)
- Willys-Overland Company, The. (See Hunt, Warren T., assignor.)
- Willys-Overland Company, The. (See Knight, Charles Y., assignor.)
- Willys-Overland Company, The. (See Mares, Joseph R., assignor.)
- Willys-Overland Company, The. (See Pattison, Herbert J., assignor.)
- Willys-Overland Company, The. (See Pinardi, Charles P., assignor.)
- Willys-Overland Company, The. (See Stockton, William S., assignor.)
- Willys-Overland Company, The. (See White, Clyde L., assignor.)
- Wilman, Zygmunt, Paris, France. Damping or absorbing device for firearms for the prevention of sounds, flames, and recoil. 1,763,286; June 10.
- Wilman, Zygmunt, Paris, France. Damping apparatus for the prevention of noise, flames and recoil in firearms of the automatic type. 1,763,287; June 10.
- Wilman, Zygmunt, Paris, France. Manufacture of silencers or exhaust tanks for machine-guns and other automatic arms. 1,773,443; Aug. 19.
- Wilmking, Friedrich, Gutersloh, Westphalia, Germany. Holder for cutting fruit. 1,764,235; June 17.
- Wilmoh Manufacturing Corporation. (See Mohler, John J., assignor.)
- Wilmot, William F., Detroit, assignor of one-half to L. B. Warner, Algonac, Mich. Manicure file. 1,743,010; Jan. 7.
- Wilmoth, John J., and A. Moos, Lincoln, Ill. Railway-crossing gate. 1,768,388; June 24.
- Wilms, August H., Cheyenne, Wyo. Spark arrester and crusher. 1,769,613; July 1.
- Wilms, Gustav O., assignor to The Reliance Company, Milwaukee, Wis. Electrical switch. Re17,649; Apr. 22.
- Wilms, Gustav O., assignor, by mesne assignments, to H. L. Bradley and L. Bradley, Milwaukee, Wis. Electric switch. 1,763,027; June 10.
- Wilms, Gustav O., Milwaukee, Wis., assignor, by mesne assignments, to Reliance Company, Wilmington, Del. Rheostatic motor controller. 1,777,988; Oct. 7.
- Wilms, Gustav O., Milwaukee, Wis., assignor, by mesne assignments, to The Reliance Company, Wilmington, Del. Electrical switch. 1,780,216; Nov. 4.
- Wilms, Gustav O., and A. J. Dave, assignors to The Reliance Company, Milwaukee, Wis. Thermostatically-actuated device. 1,785,852; Dec. 23.
- Wilms, Henry F., Cleveland, assignor, by mesne assignments to The Jaeger Machine Company, Columbus, Ohio. Water-measuring device for concrete mixers. 1,765,476; June 24.
- Wilmsen, Bernard. (See Kranz, P., and Schmid, assignor.)
- Wilner, Elias R., assignor to Eddystone Cement Corporation, New York, N. Y. Producing cement. 1,785,508; Dec. 16.
- Wilputte Coke Oven Corporation. (See Wilputte, Louis, assignor.)
- Wilputte, Louis, New Rochelle, assignor, by mesne assignments, to Wilputte Coke Oven Corporation, New York, N. Y. Coke-oven door. 1,745,390; Feb. 4.
- Wilsey, Irven H., assignor to J. B. Tuthill, Chicago, Ill. Rotary machine. 1,773,211; Aug. 19.
- Wilsey, Irven H., Chicago, Ill. Laundry machine. 1,776,405; Sept. 23.

- Wilsey, Irven H., assignor to J. B. Tuthill, Chicago, Ill. Pump. 1,778,238; Oct. 14.
- Wilsey, Irven H., assignor to J. B. Tuthill, Chicago, Ill. Spur-gear pump. 1,783,209; Dec. 2.
- Wilshire, Van H., assignor to The Specialty Papers Company, Dayton, Ohio. Method and apparatus for treating coated material. 1,759,600; May 20.
- Wilsing, Paul, Duisburg, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Electric hoisting gear. 1,771,281; July 22.
- Wilson, Abbie J., Bangor, Me. Figure toy. 1,773,834; Aug. 26.
- Wilson, Albert, assignor to Pittsburgh Rolls Corporation, Pittsburgh, Pa. Heater. 1,758,209; May 13.
- Wilson, Albert A., and A. D. Robertson, Minneapolis, Minn. Shock-absorbing device for automobiles. 1,766,318; June 24.
- Wilson, Alexander H., Oak Park, assignor to Thomas Elevator Company, Chicago, Ill. Clutch-operating means. 1,756,964; May 6.
- Wilson, Alexander H., Oak Park, assignor to Thomas Elevator Company, Chicago, Ill. Portable hoisting machine. 1,782,703; Nov. 25.
- Wilson, Alfred E. (See Watson, J. F., Hunter, and Wilson.)
- Wilson, Alfred E., Bromley, England. Jointing sleeve or ferrule for electric cables. 1,744,190; Jan. 21.
- Wilson, Alfred E., Bromley, England. Apparatus for jointing lead or like pipes or sheaths. 1,751,019; Mar. 18.
- Wilson, Alfred R., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Hoist anchorage for car roofs. 1,780,730; Nov. 4.
- Wilson, Allan M., Glasgow, Scotland. Apparatus for cleaning boiler tubes. 1,773,801; Aug. 26.
- Wilson, Belle E., executrix. (See Wilson, Fred C.)
- Wilson, Ben H., Toledo, Ohio. Bottle. Des. 81,611; July 15.
- Wilson, Ben H., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jug. Des. 82,637; Nov. 25.
- Wilson & Bennett Manufacturing Company. (See Bennett, Stevens A., assignor.)
- Wilson, Broadus, Raleigh, N. C. Play airway for amusement purposes. 1,767,496; June 24.
- Wilson Brothers. (See Negley, Frank H., assignor.)
- Wilson, Charles G., assignor to Service Station Equipment Company, Bryan, Ohio. Apparatus for supplying air under pressure. 1,767,337; June 24.
- Wilson, Charles H., Pelham, assignor to Wilson-Maeulen Company, Inc., New York, N. Y. Automatic hardness tester. 1,762,497; June 10.
- Wilson, Charles H., Pelham, assignor to Wilson-Maeulen Company, Inc., New York, N. Y. Hardness-testing method and apparatus. 1,762,498; June 10.
- Wilson, Charles T., Company. (See Giesecke, William E., assignor.)
- Wilson, Charles W., Renton, Wash. Faucet. 1,751,900; Mar. 25.
- Wilson, Clarence E., Concord, assignor to National Company, Inc., Malden, Mass. Gauge-glass illuminator. 1,786,183; Dec. 23.
- Wilson, Claud A., et al. (See Walker, Jerry S., assignor.)
- Wilson, Donald R., Peshastin, Wash. Nail tongs. 1,787,331; Dec. 30.
- Wilson, Delmar R., Moravia, Iowa. Check rower. 1,770,095; July 8.
- Wilson, Douglas A., Peoria, assignor to Rowe Manufacturing Company, Galesburg, Ill. Overhead-door construction. 1,747,206; Feb. 18.
- Wilson, Douglas A., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,755,465; Apr. 22.
- Wilson, Edgar H., Ingram, and R. W. Schuette, Munhall, assignors to Taylor-Wilson Manufacturing Co., McKees Rocks, Pa. Charging device. 1,770,446; July 15.
- Wilson, Edward, St. Louis, Mo. Seal. 1,772,093; Aug. 5.
- Wilson, Edwin B., Forest Hills, N. Y. Illuminated ornamental object. 1,784,474; Dec. 9.
- Wilson, Edwin B., Forest Hills, assignor to Design Laboratories, Incorporated, New York, N. Y. Electric-lighting fixture. 1,756,774; Apr. 29.
- Wilson, Elbert C., Hartford, Conn. Nail driver and set. 1,776,646; Sept. 23.
- Wilson, Elihu C., Los Angeles, Calif. Well screen. 1,750,871; Mar. 18.
- Wilson, Elihu C., Los Angeles, Calif. Well-pipe coupling. 1,760,930; June 3.
- Wilson, Ellsworth M., Montclair, N. J., assignor to Wilson Imperial Company, Newark, N. J. Car-cushion-cleaning machine. 1,767,420; June 24.
- Wilson, Elmer L., Indianapolis, Ind. Corner clamp. 1,783,456; Dec. 2.
- Wilson, Emery J., Cleveland, assignor to The Thew Shovel Company, Lorain, Ohio. Back-digging excavator. 1,764,922; June 17.
- Wilson, Emery J., Cleveland, assignor to The Thew Shovel Company, Lorain, Ohio. Friction control mechanism. 1,764,923; June 17.
- Wilson, Emmett, Los Angeles, Calif. Underreamer. 1,779,575; Oct. 28.
- Wilson, Emmett C., et al. (See Walker, Jerry S., assignor.)
- Wilson, F. W., et al., trustees. (See Schade, John.)
- Wilson Fastener Company, The. (See Todd, Charles O., assignor.)
- Wilson, Ford M., assignor of one-half to H. E. Snyder, Liberal, Kans. Wrench. 1,781,994; Nov. 18.
- Wilson, Fred C., deceased, Rochester, N. Y.; B. E. Wilson, executrix. Adjustable sealing strip for doors. 1,771,599; July 29.
- Wilson, Fred D., Harvey, assignor to Austin Manufacturing Co., Chicago, Ill. Gutter-broom street sweeper. 1,750,829; Mar. 18.
- Wilson, Frederick E., Buffalo, N. Y. Septic tank. 1,759,334; May 20.
- Wilson, George, Philadelphia, Pa. Silk-warp oil saturator. 1,777,457; Oct. 7.
- Wilson, George D., Berkeley, Calif., assignor to American Meter Company, Inc., New York, N. Y. Crank-shaft assembly. 1,752,625; Apr. 1.
- Wilson, George F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for severing elastic tubular articles. 1,758,729; May 13.
- Wilson, George F., and H. E. Waner, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Spreader device for opening vulcanizing molds or the like. 1,782,798; Nov. 25.
- Wilson, George L., Alhambra, Calif. Flower basket. 1,786,141; Dec. 23.
- Wilson, George L., Duluth, Minn. Casting machine. 1,778,652; Oct. 14.
- Wilson, Glenn S., Los Angeles, assignor of two-thirds to D. E. Stewart, Huntington Park, Calif. Device for the heating of windows. 1,777,343; Oct. 7.
- Wilson, Guy K. (See Smith, E. F., and Wilson.)
- Wilson Hat Steaming & Blocking Machine Company. (See Wilson, William, assignor.)
- Wilson, Helena, Houston, Tex. Easel. 1,757,032; May 6.
- Wilson, Henry W. (See Czernba, F. C., and Wilson.)
- Wilson, Homer F., Sylvia, Kans. Strainer support for cream separators. 1,772,738; Aug. 12.
- Wilson, Howard R., Carnegie, Pa., and W. W. Smith, Chicago, Ill. Mandrel. 1,761,859; June 3.
- Wilson Imperial Company. (See Wilson, Ellsworth M., assignor.)
- Wilson, Ira J. (See Green, Leslie P., assignor.)
- Wilson, Ira J. (See Johnson, Martin E., assignor.)
- Wilson, Ira J. (See Miller, Frank W., assignor.)
- Wilson, Ira J. (See Robbins, William K., assignor.)
- Wilson, J. G., Corporation. (See Dodge, Arthur H., assignor.)
- Wilson, J. G., Corporation. (See Fairhurst, John T., assignor.)
- Wilson, J. G., Corporation. (See Johnson, Howard A., assignor.)
- Wilson J Pearl, assignor to Wilson-Otwell & Cone, Inc., Jacksonville, Fla. Drying lumber. 1,757,891; May 6.
- Wilson, J Pearl, assignor to Wilson-Otwell & Cone, Inc., Jacksonville, Fla. Drying lumber. 1,757,892; May 6.
- Wilson, John, Chicago, Ill., assignor to Ilg Electric Ventilating Co. Regulating the speed of induction motors. 1,787,133; Dec. 30.
- Wilson, John F., assignor to General Motors Corporation, Detroit, Mich. Window-regulator handle. 1,742,742; Jan. 7.
- Wilson, John F., assignor to General Motors Corporation, Detroit, Mich. Radiator-filler cap. 1,757,404; May 6.
- Wilson, John H., San Diego, Calif. Combination flatiron and stand. 1,755,528; Apr. 22.
- Wilson, John H., assignor to Aluminum Cooking Utensil Company, New Kensington, Pa. Attachment of handles to aluminum cooking utensils. 1,744,851; Jan. 28.
- Wilson, John M., Pittsburgh, Pa., assignor to The National Supply Company, Toledo, Ohio. Pipe joint. 1,781,091; Nov. 11.
- Wilson, John W. (See Petersen, J. H. D., and Wilson.)
- Wilson-Jones Company. (See Van Valkenburgh, Richard M., assignor.)
- Wilson, Joseph J., St. Louis, Mo. Combined intake and exhaust manifold for internal-combustion engines. 1,778,617; Oct. 14.
- Wilson, Laurence F., Dallas, Tex. Beehive-frame hook. 1,755,941; Apr. 22.
- Wilson, Leon A., Los Angeles, Calif., assignor of one-half to E. L. Yewell, Washington, D. C. Medicine. 1,784,324; Dec. 9.
- Wilson, Leonard, Salt Lake City, Utah, assignor to Sullivan Machinery Company. Compressor system. 1,786,278; Dec. 23.
- Wilson, Leroy A., Salt Lake City, Utah. Balanced-flow control device. 1,742,456; Jan. 7.
- Wilson, Levert W. (See Pons, F., and Wilson.)
- Wilson, Lewis A., Northeast Harbor, Me. Cutting tool. 1,775,380; Sept. 9.
- Wilson, Lewis K., Philadelphia, Pa. Siphon device for watering livestock. 1,762,316; June 10.
- Wilson, Lloyd R., and M. F. Scully, Detroit, Mich. Bread container. 1,773,608; Aug. 19.
- Wilson, Luloff, Chicago, Ill. Metal joint. 1,774,121; Aug. 26.
- Wilson, Lyndon F., Chicago, and J. T. McGrath, Bloomington, Ill. Operating mechanism for blow-off cocks. 1,769,006; July 1.
- Wilson-Maeulen Company. (See Wilson, Charles H., assignor.)
- Wilson, Matthew P., Canonsburg, Pa. Annealing box. 1,777,595; Oct. 7.

- Wilson, Milton, Okla., Saskatchewan, Canada. Conveyor slat. 1,778,878; Oct. 21.
- Wilson, Moses W. H., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Wire-wheel-assembly device. 1,780,215; Nov. 4.
- Wilson, Onnolee M. Wilton, Conn. Dispensing bottle. 1,761,164; June 3.
- Wilson-Otwell & Cone, Inc. (See Wilson, J. Pearl, assignor.)
- Wilson, Pearl, et al. (See Kelso, William C., assignor.)
- Wilson, Ralph W., New York, N. Y. Shaker cap. 1,769,814; July 1.
- Wilson, Ralph W., New York, N. Y. Shaker cap. 1,769,815; July 1.
- Wilson Rings Company. (See Wilson, Wylie G., assignor.)
- Wilson, Robert A. (See Ritchie, William L., assignor.)
- Wilson, Robert A., and C. S. Crickmer, assignors to The Guiberson Corporation, Dallas, Tex. Compound slips. 1,753,543; Apr. 8.
- Wilson, Robert E. (See Wilson, Robert E. and R. E.)
- Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Continuous distillation of heavy hydrocarbon oils. 1,751,182; Mar. 18.
- Wilson, Robert E., assignor to Standard Oil Company, Chicago, Ill. Distillation of hydrocarbon oils. 1,758,590; May 13.
- Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Vapor outlet for stills. 1,767,196; June 24.
- Wilson, Robert E., Chicago, Ill., and W. H. Bahlke, assignors to Standard Oil Company, Whiting, Ind. Fractionating column. 1,778,475; Oct. 14.
- Wilson, Robert E. and R. E. Belleville, N. J. Poppet-valve-actuation means. 1,784,125; Dec. 9.
- Wilson, Robert G., Wayne, and R. M. Wilson, Upper Darby, Pa., assignors to The Huffman Manufacturing Company, Dayton, Ohio. Liquid measuring and dispensing can. 1,783,457; Dec. 2.
- Wilson, Ronald M. (See Wilson, Robert G., and R. M.)
- Wilson, Rose O., and C. O. Schuler, Saugatuck, Conn. Doll. 1,785,800; Dec. 23.
- Wilson, Thomas A., D. and E. Reynolds, Dunedin, New Zealand. Radio circuit testing unit. 1,786,555; Dec. 30.
- Wilson, Thomas C., Brooklyn, N. Y. Tube cleaner. 1,771,428; July 29.
- Wilson, Thomas C., Brooklyn, and R. J. Petty, New York, assignors to Liquid Fuel Cutting & Welding Torch Corporation, New York, N. Y. Liquid-fuel torch. 1,773,418; Aug. 19.
- Wilson, Verna, Beardstown, Ill. Table. 1,775,577; Sept. 9.
- Wilson, Walter B. (See Kanter, M. W., Clark, and Wilson.)
- Wilson-Western Sporting Goods Company. (See Levinson, David, assignor.)
- Wilson, William, New York, N. Y. Propelling and steering unit for boats. 1,774,956; Sept. 2.
- Wilson, William, Selma, Ala., assignor to Wilson Hat Steaming & Blocking Machine Company, Inc. Hat-cleaning apparatus. 1,757,821; May 6.
- Wilson, William D., Memphis, Tenn. Automatic cotton tramper. 1,747,654; Feb. 18.
- Wilson, William H. (See Land, Charles H., assignor.)
- Wilson, William J., et al. (See Kelso, William C., assignor.)
- Wilson, William S., assignor of fifty per cent to S. W. Frazier, Washington, D. C. Advertising apparatus. 1,744,852; Jan. 28.
- Wilson, William W., Sioux City, Iowa, assignor to Kari-Keen Manufacturing Company, Inc. Trunk and luggage rack. 1,753,077; Apr. 1.
- Wilson, Wylie G., Jersey City, N. J., assignor to Everlasting Valve Company. Operating gate valves. 1,742,626; Jan. 7.
- Wilson, Wylie G., Jersey City, N. J., assignor to Everlasting Valve Company. Spring. 1,751,261; Mar. 18.
- Wilson, Wylie G., Jersey City, N. J., assignor to Everlasting Valve Company. Gate valve. 1,763,029; June 10.
- Wilson, Wylie G., Elizabeth, assignor to Everlasting Valve Company, Jersey City, N. J. Valve. 1,749,119; Mar. 4.
- Wilson, Wylie G., assignor to Wilson Rings Company, Jersey City, N. J. Valve. 1,781,771; Nov. 18.
- Wilson, Wylie G., Elizabeth, assignor to Wilson Rings Company, Jersey City, N. J. Mechanical lock and locking method. 1,785,924; Dec. 23.
- Wilt, Elmer E., assignor to Wilt Trunk Company, Chicago, Ill. Wardrobe suitcase. 1,760,098; May 27.
- Wilt, Frank W., Portland, Ind. Double decked semitrailer. 1,754,409; Apr. 15.
- Wilt, Jacob H., Medina, Ohio. Well-drilling machine. 1,775,578; Sept. 9.
- Wilt, John J., Bakersfield, Calif. Radiator gauge. 1,751,847; Mar. 25.
- Wilt Trunk Company. (See Wilt, Elmer E., assignor.)
- Wilt, Wakefield M. (See Hupp, Charles A., assignor.)
- Wiltermood, Olive E. (See Wiltermood, Oliver P. and O. E.)
- Wiltermood, Oliver P. and O. E., Spokane, Wash. Ventilating system. 1,764,816; June 17.
- Wiltse Appliance Co. (See Wiltse, Sumner, assignor.)
- Wiltse, Sumner, Detroit, Mich., assignor to Wiltse Appliance Co. Fuel pump. 1,743,582; Jan. 14.
- Wiltse, Sumner, Detroit, Mich., assignor to Wiltse Appliance Co. Pump. 1,743,583; Jan. 14.
- Wiltse, Sumner, Detroit, Mich., assignor to Wiltse Appliance Co. Pump mechanism. 1,743,584; Jan. 14.
- Wiltse, Sumner, Detroit, Mich., assignor to Wiltse Appliance Co. Gasket. 1,743,585; Jan. 14.
- Wiltse, Sumner, Detroit, Mich., assignor to Wiltse Appliance Company. Oil and fuel pump mechanism. 1,743,586; Jan. 14.
- Wiltse, Sumner, Detroit, Mich., assignor to Wiltse Appliance Co. Pump mechanism. 1,769,007; July 1.
- Wiltse, Sumner, Detroit, Mich., assignor to Wiltse Appliance Co. Pump mechanism. 1,780,217; Nov. 4.
- Wiltse, Sumner, Detroit, Mich., assignor to Wiltse Appliance Company. Priming device. 1,781,890; Nov. 18.
- Winans, Joseph D., West Timber, Oreg. Rotary internal-combustion engine. 1,759,028; May 20.
- Winarsky, Edmund, Brunswick, Germany. Reducing valve. 1,750,206; Mar. 11.
- Winbigler, Cecil M., Los Angeles, Calif. Playing implement. 1,763,205; June 10.
- Winch, Harry E., Medway, Mass., assignor, by mesne assignments, to The Ruberoid Co., Boundbrook, N. J. Road and walk construction. 1,761,165; June 3.
- Winchester American Corporation, The. (See Wagel, Srinivas R., assignor.)
- Winchester, Carey C., Brookhaven, assignor to National Cedarchex Corporation, Fulton County, Ga. Cedarizing device. 1,753,544; Apr. 8.
- Winchester, Carey C., assignor to National Cedarchex Corporation, Fulton, Brookhaven County, Ga. Fumigating device. 1,756,414; Apr. 29.
- Winchester, Raymond A., Lind, Wash. Rotary valve. 1,748,267; Feb. 25.
- Winchester Repeating Arms Company. (See Burton, Frank F., assignor.)
- Winchester Repeating Arms Company. (See Humeston, Frederick L., assignor.)
- Winchester Repeating Arms Company. (See Leszczyk, Frank R., assignor.)
- Winchester Repeating Arms Co. (See McNutt, Joseph D., assignor.)
- Winchester Repeating Arms Company. (See Pugsley, Edwin, assignor.)
- Winchester Repeating Arms Company. (See Staples, Henry W., assignor.)
- Winchester Repeating Arms Co. (See Stiennon, Louis, assignor.)
- Winckler, Walter T., assignor to The Von Winkler Chemical Co., Chicago, Ill. Making a fire-resisting material. 1,743,176; Jan. 14.
- Winckler, Walter T., Chicago, Ill., assignor to Von Winkler Laboratories, Incorporated. Pharmaceutical compound and making same. 1,751,964; Mar. 25.
- Wincrantz, Karl F., and K. G. Johnsson, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Automatic telephone-exchange system. 1,772,235; Aug. 5.
- Wind-blast Chaffer Company, The. (See Hoes, J. W., and Cronk, assignors.)
- Winder, Frank J., Brackenridge, Pa., assignor to Allegheny Steel Company. Apparatus for normalizing and pickling metals. 1,755,755; Apr. 22.
- Windhoff, Hans, Berlin, Germany. Internal-combustion engine. 1,749,683; Mar. 4.
- Windhurst, Clark C., West Union, Iowa. Sewer-pipe cleaner. 1,761,324; June 3.
- Windisch, Ignacz. (See Szepsy, L., and Windisch.)
- Windmüller & Hölscher G. m. b. H. (See Dambacher, Xaver, assignor.)
- Window Glass Machine Company. (See Byrnes, Clarence P., assignor.)
- Window Glass Machine Company. (See Monroe, William L., assignor.)
- Windram, Arthur H. A. Johannesburg, Transvaal, South Africa, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,770,870; July 15.
- Windsor, Charles H., Palmyra, N. J. Sanitary basin. 1,774,216; Aug. 26.
- Windsor, Charles H., Palmyra, N. J. Sanitary basin. 1,774,217; Aug. 26.
- Windsor, George W., assignor of one-third to A. E. Grimm, Sacramento, Calif. Vertical-lift airplane. 1,783,458; Dec. 2.
- Windsor, H. T. (See Ginsberg, Harry J., assignor.)
- Wine Railway Appliance Company, The. (See Anderson, Emil C., assignor.)
- Wine Railway Appliance Company. (See Wine, William E., assignor.)
- Wine, William E., Toledo, Ohio. Freight car. Re17,590; Feb. 11.
- Wine, William E., assignor to Wine Railway Appliance Company, Toledo, Ohio. Freight car. Re17,591; Feb. 11.
- Wine, William E., assignor to Wine Railway Appliance Company, Toledo, Ohio. Side sill. Re17,592; Feb. 11.
- Wine, William E., assignor to Wine Railway Appliance Company, Toledo, Ohio. Hopper-car-door frame. Re17,806; Sept. 16.
- Wine, William E., assignor to Wine Railway Appliance Company, Toledo, Ohio. Hopper-car construction. Re17,807; Sept. 16.
- Wine, William E., Toledo, Ohio. Railway hopper car. 1,754,135; Apr. 8.
- Wine, William E., Toledo, Ohio. Railway car. 1,754,705; Apr. 15.

- Wine, William E., Toledo, Ohio. Car-door device. 1,755,529; Apr. 22.
- Wine, William E., Toledo, Ohio. Railway hopper car. 1,756,075; Apr. 29.
- Wine, William E., Toledo, Ohio. Car-door mechanism. 1,757,893; May 6.
- Wine, William E., Toledo, Ohio. Car-door mechanism. 1,758,591; May 13.
- Wine, William E., Toledo, Ohio. Door mechanism for railway cars. 1,759,677; May 20.
- Wine, William E., Toledo, Ohio. Geared hand brake for freight cars. 1,766,273; June 24.
- Wine, William E., Toledo, Ohio. Brake mechanism. 1,768,183; June 24.
- Wine, William E., Toledo, Ohio. Car-door mechanism. 1,768,227; June 24.
- Wine, William E., Toledo, Ohio. Car-door mechanism. 1,768,302; June 24.
- Wine, William E., Toledo, Ohio. Railway car. 1,768,389; June 24.
- Wine, William E., Toledo, Ohio. Car-door mechanism. 1,777,596; Oct. 7.
- Wine, William E., Toledo, Ohio. Side bearing. 1,786,378; Dec. 23.
- Wine, William E., Toledo, Ohio. Car ladder. 1,786,379; Dec. 23.
- Wine, William E., Toledo, Ohio. Corner construction for freight cars. 1,786,380; Dec. 23.
- Wine, William E., Toledo, Ohio. Car ladder. 1,786,381; Dec. 23.
- Wine, William E., Toledo, Ohio. Corner construction for freight cars. 1,786,382; Dec. 23.
- Wine, William E., Toledo, Ohio, and B. W. Kadel, Baltimore, Md. Door mechanism for railway cars. 1,751,183; Mar. 18.
- Winograd, Floyd K., Newark, N. Y. Bottle. Des. 82,202; Sept. 30.
- Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Punching mechanism. 1,760,333; May 27.
- Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Forging machine. 1,769,812; July 1.
- Wineman, Wade H., Chicago, Ill., assignor to Sullivan Machinery Company. Furnace indicator. 1,778,653; Oct. 14.
- Winfield, Edward A., La Canada, Calif. Carburetor reservoir. 1,758,068; May 13.
- Wing, C. C. (See Campbell, Benjamin G., assignor.)
- Wing, Luman B., Brooklyn, N. Y. Piano construction. 1,782,453; Nov. 25.
- Wing, Roy E., Highland Park, Mich. Brine and erosion control for railroads. 1,760,099; May 27.
- Wing, Roy E., Highland Park, Mich. Automatic ignition-cut-off control for engine idling. 1,768,390; June 24.
- Wing, Stephen R., assignor to Yawman and Erbe Mfg. Co., Rochester, N. Y. Ball bearing and making same. 1,742,840; Jan. 7.
- Wingard, William, and L. Verhulst, St. Paul, Minn. Locking device for milk-can covers. 1,773,507; Aug. 19.
- Winger, Bernard, Ottumwa, Iowa. Continuous tankage press. 1,748,374; Feb. 25.
- Winget Limited. (See Burn, J. F., and Lancaster, assignor.)
- Wingler, August. (See Schulemann, W., Schönhöfer, and Wingler.)
- Wingler, August. (See Schulemann, W., Wingler, and Mietzsch.)
- Wingquist, Sven G., Gottenborg, Sweden. Hydraulic coupling and change-speed gear. 1,774,048; Aug. 26.
- Wingquist, Sven G., Gottenborg, Sweden. Power-transmission device. 1,778,136; Oct. 14.
- Winkelmann, Heinz, Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Process and apparatus for the production of artificial threads by the cupro-ammonium stretch spinning process. 1,761,860; June 3.
- Winkelmann, Henry F., Billings, Mont. Composition of matter for use in building construction. 1,743,744; Jan. 14.
- Winkelmann, Herbert A. (See Fisher, H. L., and Winkelmann.)
- Winkelmann, Herbert A. (See Jones, W. N., and Winkelmann.)
- Winkelmann, Herbert A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and producing the same. 1,751,848; Mar. 25.
- Winkie, Hallock L., Milwaukee, Wis. Adaptable coffee-pot handle. 1,769,668; July 1.
- Winkler, Aaron, Bronx, and C. Miller, Long Island City, New York; said Winkler assignor to said Miller. Molding machine. 1,767,106; June 24.
- Winkler, Alfred, and M. Dünnebler, Neuwied, Germany. Apparatus for handling articles. 1,755,720; Apr. 22.
- Winkler, Alfred, and M. Dünnebler, Neuwied, Germany. Apparatus for handling articles. 1,755,721; Apr. 22.
- Winkler, Alfred, and Max Dünnebler, Neuwied, Germany. Apparatus for unpowdering sugar bodies. 1,766,967; June 24.
- Winkler, Alfred, and M. Dünnebler, Neuwied-on-the-Rhine, Germany. Process and arrangement for manufacturing open-end and open-side envelopes from paper or similar material. 1,774,536; Sept. 2.
- Winkler, Auguste, Bordeaux, France. Smokeless heat-economizing apparatus for furnaces of all kinds. 1,758,304; May 13.
- Winkler, Carl J., Indianapolis, Ind. Adapter for bearings. 1,746,978; Feb. 11.
- Winkler, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacturing water gas. 1,776,876; Sept. 30.
- Winkler, Karl. (See Pier, M., Müller-Cunradi, Wietzel, and Winkler.)
- Winkler, Kurt, Finsterwalde, Germany. Wooden plate composed of separate plates or strips. 1,777,190; Sept. 30.
- Winkler, Louis E., and F. C. Koch, Wichita, Kans. Bubble-tower grid. 1,774,581; Sept. 2.
- Winkler, Richard. (See Hernes, F., and Winkler.)
- Winkler, Stephen, assignor of two-thirds to L. H. Lehman and L. Edelson, Philadelphia, Pa. Oil burner. 1,769,008; July 1.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for cutting sheet material. 1,751,568; Mar. 25.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Leveling machine. 1,758,992; May 20.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sorting machine. 1,778,054; Oct. 14.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon blanks. 1,780,990; Nov. 11.
- Winn, Sidney B., Lapeer, Mich. Two-wheel trailer brake. 1,746,453; Feb. 11.
- Winn, Sidney B., Lapeer, Mich. Four-wheel brake. 1,746,454; Feb. 11.
- Winn, Sidney B., Lapeer, Mich. Hand-brake-lever assembly. 1,750,449; Mar. 11.
- Winn, Sidney B., Lapeer, Mich. Automobile transporting trailer. 1,777,422; Oct. 7.
- Winner, Carl, Hamtramck, Mich. Power gang filing device. 1,781,150; Nov. 11.
- Winning, John F. F., et al. (See Winning, John F. F., assignor.)
- Winning, John F. F., Hanwell, assignor to J. F. F. Winning, F. P. Torr, and A. Hilton, trading as The Bag Frame and Components Company, Hoxton, England. Extensible fastening. 1,756,775; Apr. 29.
- Winning, Robert K., assignor to Clum Mfg. Co., Milwaukee, Wis. Control switch for automobiles. 1,746,626; Feb. 11.
- Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Switch. 1,753,977; Apr. 8.
- Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Light-dimming switch. 1,763,028; June 10.
- Winnipeg Brass Limited. (See Garbut, A. E., Cochrane, and Watkins, assignors.)
- Winona Attrition Mill Company. (See Tomashek, William M., assignor.)
- Winsemius, Harry T. (See Roman, F. L., and Winsemius.)
- Winship, Boit & Co. (See Hatfield, Percy W., assignor.)
- Winship, Emory. (See Libby, G. N., and Knight, assignors.)
- Winship, Emory. (See Marcum, Arthur I., assignor.)
- Winship, Emory. (See Rayburn, Alden G., assignor.)
- Winship, Ross, Valparaiso, Ind. Combination desk. 1,751,569; Mar. 25.
- Winslow, John. (See Thomson, James and C. E., assignors.)
- Winslow, Charles A. (See Hall, E. J., and Winslow.)
- Winslow, Charles A., Vallejo, and E. J. Hall, Berkeley, Calif. Oil filter. 1,780,663; Nov. 4.
- Winslow, Irvin B., Detroit, Mich. Apparatus for assembling shims. 1,749,620; Mar. 4.
- Winslow, Sidney W., jr., Brookline, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoemaking. 1,772,059; Aug. 5.
- Winslow, Sidney W., jr., Brookline, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,772,060; Aug. 5.
- Winsor, Irwin B., Tulsa, Okla. Pumping apparatus. 1,743,259; Jan. 14.
- Winsor, Philip H. D., Lodi, Calif. Dispensing device. 1,777,906; Oct. 7.
- Winston, Gus V., trustee. (See Hatfield, Paul L., assignor.)
- Winston, James, Chuquicamata, Chile. Vibrating screen. 1,779,202; Oct. 21.
- Winston, Joseph, New York, N. Y., assignor to Tee Stone Corporation. Reinforcement for monolithic elements. 1,745,880; Feb. 4.
- Winston, Samuel A., Ocean Park, Santa Monica, Calif. Piston for internal-combustion engines. 1,770,332; July 8.
- Winter, Alois, Schobritz, near Aussig, Czechoslovakia. Screw composed of several parts. 1,779,896; Oct. 28.
- Winter, Arthur. (See Maloney, William T., assignor.)
- Winter, Dorothy, Elizabeth, N. J., assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 82,203; Sept. 30.
- Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company. Power-factor regulator. 1,779,302; Oct. 21.

- Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company. Electrical regulator. 1,785,569; Dec. 16.
- Winter, Harry A., St. Johns, Newfoundland. Game apparatus. 1,749,653; Mar. 4.
- Winter, Harry J., London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake system. 1,765,390; June 24.
- Winter, Henry, Baltimore, Md. Window-sash fastener. 1,786,470; Dec. 30.
- Winter, John, Albion, Mich. Hot-air furnace. 1,743,177; Jan. 14.
- Winter, John, Albion, Mich. Heating stove. 1,760,931; June 3.
- Winter, John P. (See McDougall, George F., assignor.)
- Winter, John R., Warren, Ohio, assignor to The Youngstown Pressed Steel Company. Apparatus for cutting expanded metal. 1,747,807; Feb. 18.
- Winter, John R., Warren, Ohio., assignor, by mesne assignments, to United States Gypsum Company, Chicago, Ill. Corner bead. 1,769,813; July 1.
- Winter, Joseph, Erie, Pa. Spice rack. 1,746,137; Feb. 4.
- Winter, Murray, Wrentham, Mass., assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Spiral feed conveyor for heat-treating furnaces. 1,754,294; Apr. 15.
- Winter, William C., Parnassus, assignor to Aluminum Company of America, Pittsburgh, Pa. Forming articles from heat-treatable aluminum-base alloys. 1,751,500; Mar. 25.
- Winters & Crampton Mfg. Co. (See Ekman, Andrew, assignor.)
- Winters & Crampton Mfg. Co. (See Graf, Edward F., assignor.)
- Winters, Edward B., Coffeyville, Kans. Pump unit. 1,758,730; May 13.
- Winters, Elzie, et al. (See Fahrenheit, Henry, assignor.)
- Winters, Ira C., Norwich, N. Y. Changeable eyes for dolls. 1,784,921; Dec. 16.
- Winters, John P. (See Lawrence, F. C., and Winters.)
- Winters, Nick. (See Dunkelberger, H. E., and Winters.)
- Winters, Russell A., Chicago, Ill. Sadiron holder. 1,759,214; May 20.
- Winters, William H., Willamina, Oreg. Log turner. 1,764,817; June 17.
- Winterborne, Charles H. (See Shane, Minnie V., assignor.)
- Winterhalter, Martin, Halle-on-the-Saale, Germany, assignor, by mesne assignments, to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Fastening for wearing apparel and the like. Re17,865; Nov. 11.
- Winterhalter, Martin, Halle-on-the-Saale, Germany, assignor, by mesne assignments, to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Fastening for fabrics and the like. Re17,881; Nov. 25.
- Wintermute, Harry A., New York, N. Y., and C. W. J. Hedberg, Middlesex Borough, N. J., assignors to Research Corporation, New York, N. Y. Electrical precipitation. 1,766,421; June 24.
- Wintermute, Harry A., Plainfield, N. J., and C. W. J. Hedberg, Middlesex, Borough, N. J., assignors to Research Corporation, New York, N. Y. Method and apparatus for electrical precipitation. 1,766,422; June 24.
- Wintermute, Harry A., New York, N. Y., and C. W. J. Hedberg, Middlesex Borough, N. J., assignors to Research Corporation, New York, N. Y. Electrical-precipitator construction. 1,773,835; Aug. 26.
- Winther Company, The. (See Jensen, Thorvald, assignor.)
- Winther Company, The. (See Winther, Martin P., assignor.)
- Winther, Martin P., St. Louis, Mo., assignor to The Winther Company, Wilmington, Del. Power translator. 1,772,473; Aug. 12.
- Winther, William P. (See Cornelius, Lee R., assignor.)
- Winthrop Chemical Company. (See Benda, Louis, assignor.)
- Winthrop Chemical Company. (See Berendes, R., and Schütz, assignors.)
- Winthrop Chemical Company. (See Brodersen, K., and Ext, assignors.)
- Winthrop Chemical Company. (See Callsen, Jürgen, assignor.)
- Winthrop Chemical Company. (See Dobmaier, Karl, assignor.)
- Winthrop Chemical Company. (See Hahl, Hans, assignor.)
- Winthrop Chemical Company. (See Jenssch, H., and Eisleb, assignors.)
- Winthrop Chemical Company. (See Johnson, Treat B., assignor.)
- Winthrop Chemical Company. (See Knorr, A., and Weissenborn, assignors.)
- Winthrop Chemical Company. (See Kolle, W., Streitwolf, and Fehrlé, assignors.)
- Winthrop Chemical Company. (See Lautenschläger, C. L., Bockmühl, and Schwabe, assignors.)
- Winthrop Chemical Company. (See Lieske, R., and Schepss, assignors.)
- Winthrop Chemical Company Inc. (See Ludwig, W., and Schaumann, assignors.)
- Winthrop Chemical Company. (See Reddelien, G., Lange, and Pfannenstiel, assignors.)
- Winthrop Chemical Company. (See Schmidt, Hans, assignor.)
- Winthrop Chemical Company. (See Schulemann, W., and Kropp, assignors.)
- Winthrop Chemical Company. (See Schulemann W., Schönhöfer, and Mietzsch, assignors.)
- Winthrop Chemical Company. (See Schulemann W., Schönhöfer, and Wiegler, assignors.)
- Winthrop Chemical Company. (See Schulemann, W., Wiegler, and Mietzsch, assignors.)
- Winthrop Chemical Company. (See Streitwolf, K., and Fehrlé, assignors.)
- Winthrop Chemical Company. (See Taube, Carl, assignor.)
- Winthrop Chemical Company. (See Werner, R., and Rothmann, assignors.)
- Winton Engine Company, The. (See Winton, James M., assignor.)
- Winton, James M., assignor to The Winton Engine Company, Cleveland, Ohio. Air starter timing means. 1,762,206; June 10.
- Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Self-adjusting intermediate bushing. 1,756,326; Apr. 29.
- Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Shaft-tubing sustaining device for deep-well pumps. 1,784,406; Dec. 9.
- Wintrob, Jacob M., Philadelphia, Pa. Combined valance-board support and curtain-rod bracket. 1,751,062; Mar. 18.
- Wintrob, Jacob M., Philadelphia, Pa. Combined valance-board support and curtain-rod bracket. 1,781,262; Nov. 11.
- Winzer, Charles B., Clapham, London, England. Continuous kiln. 1,749,866; Mar. 11.
- Winzer, Oscar G., Troy, Kans. Paint and varnish remover. 1,752,358; Apr. 1.
- Wire Novelty Manufacturing Co., The. (See Domkee, John H., assignor.)
- Wire Novelty Manufacturing Company, The. (See Heather, George B., assignor.)
- Wire Novelty Manufacturing Co., The. (See Domkee, John H., assignor.)
- Wirebonds Patents Company. (See Bauwens, Seraphine F., assignor.)
- Wired Radio, Inc. (See Chromy, Ben J., assignor.)
- Wired Radio, Inc. (See Davis, Chester L., assignor.)
- Wired Radio, Inc. (See Gebhard, Louis A., assignor.)
- Wired Radio, Inc. (See Terman, Frederick E., assignor.)
- Wired Radio, Inc. (See Trogner, Arthur M., assignor.)
- Wireless Music Limited. (See Trouton, Maurice, assignor.)
- Wireless Specialty Apparatus Company. (See Bailey, William M., assignor.)
- Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
- Wireless Specialty Apparatus Company. (See Priess, William H., assignor.)
- Wireless Specialty Apparatus Company. (See Proctor, John A., assignor.)
- Wireless Specialty Apparatus Company. (See Proctor, J. A., and Bailey, assignors.)
- Wiremold Company, The. (See Frederickson, Otto A., assignor.)
- Wiremold Company, The. (See Murphy, Daniel H., assignor.)
- Wiremold Company, The. (See Rutherford, Charles E., assignor.)
- Wire Novelty Manufacturing Co., The. (See Domkee, John H., assignor.)
- Wires, Hazel, Salem, assignor to Hampden Glazed Paper & Card Co., Holyoke, Mass. Fancy paper or the like. Des. 82,204; Sept. 30.
- Wirgman, Wilbur F., Jr., and M. E. Tedrow, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing apparatus. 1,779,385; Oct. 21.
- Wirkkala, Oscar A., Glendale, Oreg. Flexible wire rope. 1,757,156; May 6.
- Wirshing, Ralph J., and H. R. Faas, assignors to General Motors Research Corporation, Detroit, Mich. Electroplating process. 1,761,948; June 3.
- Wirt Company. (See McKellip, Spencer W., assignor.)
- Wirt Company. (See Weichelt, Carl L., assignor.)
- Wirt, Harrison L., Schenectady, N. Y. Food sieve. 1,752,047; Mar. 25.
- Wirtel, Arthur F. (See De Groote, M., Monson, and Wirtel.)
- Wirtel, Arthur F. (See De Groote, M., and Wirtel.)
- Wirth, Johann K., Berlin-Altglienicke, Germany. Unit-ing parts of artificial resin and articles made thereby. 1,747,964; Feb. 18.
- Wirth, Johann K., Berlin-Wilmersdorf, Germany. Producing chemically-stable articles. 1,767,421; June 24.
- Wirth, John, New York, N. Y. Combination ladder step and support. 1,760,803; May 27.
- Wirtz, Fred, et al. (See Wagner, Thomas S. S., assignor.)
- Wirz, A. H., Inc. (See Barker, Edwin H., assignor.)
- Wirz, Ernst. (See Kuntze, K., Haller, and Wirz.)
- Wisbith, Stanley, Wampum, Pa. Bag closure. 1,771,429; July 29.
- Wisconsin Lumber Company. (See Wessel, Lawrence V., assignor.)
- Wisconsin Parts Company. (See Rockwell, Willard F., assignor.)

- Wise, Anthony G., Los Angeles, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Collapsible hub. 1,780,510; Nov. 4.
- Wise, Austice A., and G. Gates, Oakland, Calif. Ball mill. 1,772,737; Aug. 12.
- Wise, Charles E., Philadelphia, Pa. Safety valve for gas burners. 1,747,748; Feb. 18.
- Wise, George A., assignor to Sutton Engineering Company, Pittsburgh, Pa. Guide for straightening rolls. 1,752,825; Apr. 1.
- Wise, Herbert A., Luxora, Ark. Auto awning. 1,761,698; June 3.
- Wise, Irwin L., assignor to Sargent & Lundy, Incorporated, Chicago, Ill. Pipe joint. 1,771,739; July 29.
- Wise, Karl M., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Headlight mounting. 1,758,305; May 13.
- Wise, Karl M., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Headlight mounting. 1,758,306; May 13.
- Wise Patent and Development Company. (See Wasbauer, Alfred, assignor.)
- Wise Patent and Development Company. (See Wise, Roy T., assignor.)
- Wise, Roy T., assignor to Standard Die and Tool Company, Incorporated, Berkeley, Calif. Three-speed transmission. 1,745,075; Jan. 28.
- Wise, Roy T., Berkeley, Calif., assignor, by mesne assignments, to Wise Patent and Development Company, New York, N. Y. Transmission clutch. 1,770,290; July 8.
- Wise, Roy T., Berkeley, Calif., assignor, by mesne assignments, to Wise Patent and Development Company, New York, N. Y. Two-speed transmission. 1,777,997; Oct. 7.
- Wise Shoes, Inc. (See Elias, Albert I., assignor.)
- Wise, Solomon, Cincinnati, Ohio. Locking device for automotive equipment. 1,787,134; Dec. 30.
- Wise, Stanley G. (See Gebhart, L. H., and Wise.)
- Wise, William P., assignor to Autolux Sign Company, Boston, Mass. Display sign. 1,754,871; Apr. 15.
- Wiseley, Don Carlos, Los Angeles, Calif. Combined bumper, tire protector, and luggage carrier. 1,746,572; Feb. 11.
- Wishart, William, assignor to National Refrigeration Corporation, Beloit, Wis. Mounting for refrigerating apparatus. 1,744,090; Jan. 21.
- Wishart, William, assignor to National Refrigeration Corporation, Beloit, Wis. Refrigerating apparatus. 1,758,243; May 13.
- Wishart, William, assignor to Climax Engineer Company, Clinton, Iowa. Stuffing-box packing. 1,759,029; May 20.
- Wishart, William, Clinton, Iowa, assignor to Climax Engineering Company. Combined strainer and check valve. 1,775,744; Sept. 16.
- Wisler, Louis A., Paris, France. Portable electric-motor block with speed-reducing device. 1,744,998; Jan. 28.
- Wisner, Abram C., assignor to Reynolds Spring Company, Jackson, Mich. Base frame for spring-cushion seats. 1,756,579; Apr. 29.
- Wisner, Abram C., assignor to Reynolds Spring Company, Jackson, Mich. Welt-lock frame. 1,764,920; June 17.
- Wisner, Adrian W., Tacoma, Wash. Photographic copying apparatus. 1,756,111; Apr. 29.
- Wisner, Clarence B., Canton, Ohio, assignor, by mesne assignments, to Coal Process Corporation, New York, N. Y. Rotary furnace. 1,748,815; Feb. 25.
- Wisner, Clarence B., Canton, Ohio, assignor, by mesne assignments, to Coal Process Corporation, Dover, Del. Coal ball and manufacturing the same. 1,756,896; Apr. 29.
- Wisniewski, Joseph E., and A. Brzykcy, Minneapolis, Minn. Combined coal or clinker tongs and stove-lid lifter. 1,778,137; Oct. 14.
- Wissinger, Thomas K., et al. (See Howard, Charles O., assignor.)
- Wissler, William A., Jackson Heights, N. Y., assignor to Haynes Stellite Co. Coating for welding rods. 1,764,589; June 17.
- Wissler, William A., Elmhurst, N. Y., assignor to Haynes Stellite Company. Metal-cutting tool and alloy for making the same. 1,774,862; Sept. 2.
- Wisti, Andrew O., Indianapolis, Ind. Brake-lining machine. 1,750,144; Mar. 11.
- Wiswall, William J., Portland, Oreg., assignor to American Sales Book Company, Limited, Toronto, Canada. Aligning device for making manifold records. 1,744,430; Jan. 21.
- Wiswell, Ozro N. (See Allen, S. E., and Wiswell.)
- Witchger, Eugene J., assignor to Lufkin Rule Co., Saginaw, Mich. Micrometer caliper. 1,763,941; June 17.
- Witcoff, Edward, St. Louis, Mo. Hat. 1,774,074; Aug. 26.
- With, Bror, Skoyen, near Oslo, Norway. Ski tie. 1,780,511; Nov. 4.
- Witham, George S., Jr., Hudson Falls, N. Y. Pulping machine. 1,759,385; May 20.
- Witham, George S., sr., Hudson Falls, N. Y. Device for recording and indicating beater settings. 1,776,306; Sept. 23.
- Witherow, Harry M., Lynn, Mass., assignor to General Electric Company. Temperature-responsive inductance. 1,761,764; June 3.
- Witherow, Harry M., Fort Wayne, Ind., assignor to General Electric Company. Temperature-responsive inductance. 1,761,765; June 3.
- Withers, John B., Oakland, Calif. Combined belt buckle and container. 1,753,765; Apr. 8.
- Witherspoon, Lillian S., San Francisco, Calif. Holder for sifter-top cans or packages. 1,784,979; Dec. 16.
- Withington, John H., Los Angeles, Calif. Igloo. Des. 81,860; Aug. 19.
- Withington, Winthrop, assignor to American Fork & Hoe Co., Cleveland, Ohio. Broom rake. Re17,606; Feb. 25.
- Withington, Winthrop, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Making progressively-reduced tubes. 1,765,709; June 24.
- Withington, Winthrop, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Broom rake. 1,772,571; Aug. 12.
- Withrow, Floyd G., Grand Rapids, Mich. Antirattling device. 1,750,080; Mar. 11.
- Withrow, Floyd G., Grand Rapids, Mich. Rear-view mirror. 1,757,280; May 6.
- Withrow, Floyd G., Grand Rapids, Mich. Brake-rod silencer. 1,776,406; Sept. 23.
- Withrow, Floyd G., Grand Rapids, Mich. Brake-lever antirattler. 1,779,153; Oct. 21.
- Witkowski, James J., and W. L. Leeper, Albion, N. Y. Storage-battery carrier. 1,753,396; Apr. 8.
- Witkowski, Ladislaus, Vienna, Austria. Friction press. 1,747,808; Feb. 18.
- Witmer, Harold G., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Insulation for electrical conductors. 1,752,872; Apr. 1.
- Witry, Louis W., assignor to John Deere Tractor Company, Waterloo, Iowa. Tractor. 1,749,202; Mar. 4.
- Witry, Louis W., assignor to John Deere Tractor Company, Waterloo, Iowa. Tractor. 1,760,932; June 3.
- Witt, Bertram J. (See Franklin, C. S., and Witt.)
- Witt, Bertram J. (See Franklin, C. S., Witt, Wright, and Smith.)
- Witt, Charles V., Greensburg, Pa. Protecting pipe seams and joints. 1,772,378; Aug. 5.
- Witt, George N., Brooklyn, assignor to Millie Patent Holding Co., Inc., New York, N. Y. Tea-cartridge package and manufacturing the same. 1,746,899; Feb. 11.
- Witt, John J., assignor to Goodspeed Machine Company, Winchendon, Mass. Variety lathe. 1,757,155; May 6.
- Witt, Roy M., New York, N. Y. Paste-tube cap. 1,772,379; Aug. 5.
- Wittecoff, Edward, St. Louis, Mo. Hat. 1,755,198; Apr. 22.
- Wittecoff, Edward, assignor to Superior Hat Company, St. Louis, Mo. Hat. 1,748,375; Feb. 25.
- Wittecoff, Edward, assignor to Superior Hat Company, St. Louis, Mo. Hat. 1,783,760; Dec. 2.
- Witte, L. S., et al. (See Taylor, Hamblen A., assignor.)
- Witte, William, assignor to Jas. H. Matthews & Company, Pittsburgh, Pa. Power-driven hammer. 1,743,840; Jan. 14.
- Wittek, Herbert, Beuthen, Germany. Reducing ores. 1,787,348; Dec. 30.
- Wittekind, Arnold F., Philadelphia, Pa. Airplane headgear toy. 1,776,175; Sept. 16.
- Wittell, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Film-moving mechanism. 1,762,939; June 10.
- Witten, Arthur P., assignor to G. E. Hall and himself, Akron, Ohio. Toy balloon. 1,762,603; June 10.
- Witten, Arthur P., assignor of one-half to G. E. Hall, Akron, Ohio. Coloring rubber articles. 1,774,781; Sept. 2.
- Witter, Lawrie L., Jamaica Plain, Mass. Dirigible headlight. 1,765,813; June 24.
- Witter, Willis D., Utica, N. Y., assignor, by mesne assignments, to American La France and Foamite Corporation. Oil-tank-fire protection. 1,754,005; Apr. 8.
- Witter, Willis D., Catonsville, Md., assignor, by mesne assignments, to American La France and Foamite Corporation. Fire extinguisher. 1,760,294; May 27.
- Witthoff, Charls H., Detroit, Mich. Bearing. 1,742,841; Jan. 7.
- Wittkuhns, Bruno, New York, N. Y., assignor to the firm: Magnet-Werk G. m. b. H., Eisenach Spezialfabrik für Elektromagnet-Apparate, Eisenach, Thuringia, Germany. Friction coupling. 1,760,223; May 27.
- Wittkuhns, Bruno, New York, N. Y., assignor to the firm Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Elektromagnet-Apparate, Eisenach, Germany. Electromagnetic coupling. 1,787,225; Dec. 30.
- Wittliff, Theodore H., Cleveland, Ohio. Brace for windsor chairs and the like. 1,752,545; Apr. 1.
- Wittliff, Theodore H., Cleveland, Ohio. Furniture brace. 1,760,100; May 27.
- Wittman, Edward J., assignor to Illinois Watch Case Company, Elgin, Ill. Spring-bar assembly. 1,742,457; Jan. 7.
- Wittman, Edward J., assignor to Illinois Watch Case Company, Elgin, Ill. Watchcase-bar assembly. 1,745,565; Feb. 4.
- Wittmann, Clarence M., Pittsburgh, Pa. Combination window and screen. 1,785,663; Dec. 16.
- Wittmayer, Alexander, Brooklyn, N. Y. Adjustable connection for bracelets and the like. 1,785,104; Dec. 16.
- Wittstein, Charles T., Newark, N. J. Jeweler's tag. 1,742,982; Jan. 7.
- Witz, Albert A., Chicago, Ill. Lamp-stand bracket. Des. 82,771; Dec. 9.

- Witz, Henri E., Oberhausen, Germany, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Mechanical stoker for forced-draft furnaces. 1,781,487; Nov. 11.
- Witzal, Andrew, Scranton, A. G. Rabel, Throop, and H. F. Stevens, Dunmore, Pa. Coal-washing apparatus. 1,760,293; May 27.
- Witzel, Karl, Berlin-Lichterfelde, assignor to Rheinische Metallwaren-und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Barrel of firearms. 1,784,325; Dec. 9.
- Witzleben, Harry, New York, N. Y. Knife grinder. 1,773,564; Aug. 19.
- Wixel, Samuel M., Marcus, Iowa. Blade sharpener. 1,754,295; Apr. 15.
- Wlodarski, Franciszek, Poznan, Poland. Apparatus for rendering displays visible from all sides. 1,782,834; Nov. 25.
- Wobst, Paul F., Milwaukee, Wis. Peeler. 1,752,768; Apr. 1.
- Wodarra, Adolf, Berlin-Lankwitz, Germany. Door lock. 1,751,184; Mar. 18.
- Woehler, Henry G., assignor to Niedringhaus, Inc., St. Louis, Mo. Portable knockdown leg-supported washtub. 1,770,664; July 15.
- Woelfel, George F., Lakewood, Ohio, assignor to The Commercial Clearing Corporation, Jacksonville, Fla. Forming nut-blank bars. 1,773,836; Aug. 26.
- Woelfer, Frank C., jr. (See Butler, C. G., and Woelfer.)
- Woelfer, Otto, assignor of one-half to J. Malas, Gary, Ind. Roller skate. 1,772,333; Aug. 5.
- Woelm, Alfred, Berlin, Germany, assignor, by mesne assignments, to Pencil Mechanism Corporation. Magazine pencil. 1,762,317; June 10.
- Woelm, Alfred, Berlin, Germany, assignor, by mesne assignments, to Pencil Mechanism Corporation. Magazine pencil. 1,762,318; June 10.
- Woerz, Frederick, Weehawken, N. J. Sign. 1,767,726; June 24.
- Wofford, William C., J. McBrearty, and A. Soderland, Taylor, Tex. Window-shade support. 1,772,621; Aug. 12.
- Wohl, Alfred, Danzig-Langfuhr, Free City of Danzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytic oxidation of organic compounds. 1,787,416; Dec. 30.
- Wohl, Alfred, Danzig-Langfuhr, Free City of Danzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytic oxidation of organic compounds. 1,787,417; Dec. 30.
- Wohl, Maurice J., Long Island City, N. Y. One-hand arc lamp. 1,754,249; Apr. 15.
- Wohl, Maurice J., Long Island City, N. Y. Multiple hand arc lamp. 1,767,029; June 24.
- Wohllart, George H., Detroit, Mich. Bushing. 1,748,006; Feb. 18.
- Wohlhuter, William G., Sherburn, Minn. Windshield heater. 1,752,715; Apr. 1.
- Wohnsiedler, Henry P. (See Romieux, C. J., and Wohnsiedler.)
- Woidich, Francis S., Sapulpa, Okla. Process and apparatus for converting heavy hydrocarbon oils into lighter products. 1,754,136; Apr. 8.
- Wojtan, Stanley, Chicago, Ill. Table-leg fastening. 1,762,042; June 3.
- Wolarsky, Isidore, Mount Vernon, N. Y. Tool for manipulating lamp-socket parts. 1,761,510; June 3.
- Wolarsky, Isidore, Mount Vernon, N. Y. Light-fixture shade holder. 1,761,511; June 3.
- Wolarsky, Isidore, Mount Vernon, N. Y. Lighting-fixture support. 1,784,885; Dec. 16.
- Wolbert, William G. (See Hauger, D. M., Weaver, Wolbert, and Dunn.)
- Wolcott, Edson R., et al. (See Hatfield, Frank A., assignor.)
- Wolcott, Frank E., West Hartford, Conn., assignor, by mesne assignments, to The Beardsley & Wolcott Mfg. Co. Electrical heating device. 1,743,301; Jan. 14.
- Wolcott, June E. (See Johnson, Victor E., assignor.)
- Wolcott, Neil B., Washington, D. C., assignor to Thermocice Corporation, Auburn, N. Y. Refrigerating apparatus. 1,748,434; Feb. 25.
- Wolcott, Neil B., Washington, D. C., assignor to Thermocice Corporation, Auburn, N. Y. Ice-forming apparatus. 1,757,033; May 6.
- Wolcott, Robeson B., Watertown, assignor to The Waterbury Button Company, Waterbury, Conn. Bottle carrier. 1,781,357; Nov. 11.
- Wold, Frank E., and J. G. Whalen, Santa Monica, Calif.; said Whalen assignor to said Wold. Device for applying linings. 1,777,632; Oct. 7.
- Wolf, Ada A., et al. (See Crannell, Charles W., assignor.)
- Wolf, Alexander. (See Millard, William J., assignor.)
- Wolf, Benjamin C., Cheboygan, Mich. Harrow. 1,762,907; June 10.
- Wolf, Benzion, Chicago, Ill. Garter. 1,772,274; Aug. 5.
- Wolf, Benzion, Chicago, Ill. Garter. 1,781,673; Nov. 11.
- Wolf, Charles, Worcester, Mass. Electrical-voltage regulator. 1,754,732; Apr. 15.
- Wolf, Charles E., and A. Agli, Hackensack, N. J. Sample book. 1,759,079; May 20.
- Wolf Company, The. (See Stoner, Charles M., assignor.)
- Wolf, Elmer E. (See Osgood, L. A., and Wolf.)
- Wolf, Felix, Vienna, Austria. Manufacture of glacé fabrics. 1,773,384; Aug. 19.
- Wolf, Frank, New York, N. Y. Accessory device for collapsible tubes. 1,773,248; Aug. 19.
- Wolf, Frank, New York, N. Y. Holder for collapsible tubes. 1,775,797; Sept. 16.
- Wolf, Frank, New York, N. Y. Attachment for containers. 1,787,060; Dec. 30.
- Wolf, Frank, New York, N. Y. Accessory for containers. 1,787,061; Dec. 30.
- Wolf, Friedrich. (See Hecht, H., Lichte, and Wolf.)
- Wolf, Harry, assignor to Cutter-Crossette Company, Chicago, Ill. Necktie. 1,787,226; Dec. 30.
- Wolf, Harry E., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Mattress. 1,758,636; May 13.
- Wolf, Harry E., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Soft spring cushion. 1,765,044; June 17.
- Wolf, Hermann, Bad Homburg, assignor to Carburöl Aktiengesellschaft, Schaffhausen, Switzerland. Converting hydrocarbons and mineral oils having a high boiling point into those having a lower boiling point. 1,742,888; Jan. 7.
- Wolf, Jacob R., assignor to Smart Set Shops, Pittsburgh, Pa. Store front. Des. 82,923; Dec. 23.
- Wolf, John. (See Metcalf, I. R., Richardson, and Wolf.)
- Wolf, John M., Devils Lake, N. Dak. Hay stacker and loader. 1,762,459; June 10.
- Wolf, Lester J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillation generator. 1,743,178; Jan. 14.
- Wolf, Lester J., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Synchronizing system. 1,781,263; Nov. 11.
- Wolf Machine Company, The. (See Christophel, William H., jr., assignor.)
- Wolf Machine Company. (See Harrington, Bertie S., assignor.)
- Wolf, Otto R., River Forest, assignor to The Tribune Company, Chicago, Ill. Printing press. 1,784,037; Dec. 9.
- Wolf, Paul. (See Dyas, Dave S., assignor.)
- Wolf, Robert B., New York, N. Y. Production of paper pulp. 1,772,792; Aug. 12.
- Wolf, Robert B., New York, N. Y. Production of paper pulp. 1,780,638; Nov. 4.
- Wolf, Robert B., New York, N. Y., and R. P. Hill, Glen Rock, N. J. Method of and apparatus for bleaching paper pulp. 1,753,228; Apr. 8.
- Wolffard, Merl R., Cambridge, Mass. The slow feeding of liquid. 1,779,154; Oct. 21.
- Wolffarth, Frank J., and W. W. Duant, Saginaw, Mich.; said Duant assignor to said Wolffarth. Machine for forming buns and the like. 1,763,620; June 10.
- Wolfe, Allen W., Beechwood, W. Va. Stonecutter. 1,754,539; Apr. 15.
- Wolfe, Archie R., Summit, N. J. Simplex contraction socket. 1,770,377; July 15.
- Wolfe, Everett K., assignor to Educational Card & Game Corporation, New York, N. Y. Building block. 1,779,790; Oct. 28.
- Wolfe, George F. (See Edwards, V. B., and Wolfe.)
- Wolfe, George M., Chanute, Kans. Feed-water heater. 1,748,163; Feb. 25.
- Wolfe, Harley H., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Meter pump casing. Des. 81,949; Sept. 2.
- Wolfe, Harry H., and H. L. Myers, assignors to The American Floor Surfacing Machine Company, Toledo, Ohio. Rotary drum machine. 1,782,376; Nov. 18.
- Wolfe, Henry M., and C. A. Nichol, Muskegon, assignors to Continental Motors Corporation, Detroit, Mich. Method and machine for twisting crank shafts. 1,778,879; Oct. 21.
- Wolfe, John A., et al. (See Haubert, Leo, assignor.)
- Wolfe, John A., Tulsa, Okla., assignor of one-third to H. C. Fitzpatrick, Independence, Kans., and one-third to G. A. Most, Tulsa, Okla. Pneumatic flow means for deep wells. 1,763,030; June 10.
- Wolfe, Louis C., Altoona, Pa. Carburetor. 1,753,634; Apr. 8.
- Wolfe, Mamie. (See Wolfe, Ralph H. and M.)
- Wolfe, Ralph H. and M., Kansas City, assignors of one-half to J. M. Lloyd, Independence, Mo. Uniform. 1,754,381; Apr. 15.
- Wolfe, Richard C., Beverly Hills, Calif. Dispensing apparatus. 1,745,287; Jan. 28.
- Wolfe, Richard C., assignor to California Consolidated Water Co., Los Angeles, Calif. Water cooler. Des. 82,924; Dec. 23.
- Wolfe, Wallace V., Glen Ridge, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Power-line signaling. 1,746,808; Feb. 11.
- Wolfe, William S., Akron, and J. R. Crossan, Wadsworth, Ohio, assignors to Seiberling Rubber Company. Air bag and manufacturing same. 1,749,013; Mar. 4.
- Wolfenstein, Richard, Berlin-Dahlem, Germany. Derivatives of quinoline and making same. 1,773,837; Aug. 26.
- Wolfer, Paul C., Everett, Mass. Boot or shoe. 1,783,210; Dec. 2.
- Wolfermann, Carl E. E., New York, N. Y. Collapsible roof body for automobiles. 1,786,927; Dec. 30.
- Wolff, Alfred E., Kansas City, Mo. Flush valve. 1,753,229; Apr. 8.
- Wolff, Alfred E., Kansas City, Mo. Valve. 1,768,184; June 24.
- Wolff, Daniel R., assignor to The Ohio Brass Company, Mansfield, Ohio. Valve. 1,756,615; Apr. 29.
- Wolff, Frank W., Parnassus, Pa. Marker for plants, flowers, and the like. 1,753,960; Apr. 8.

- Wolff, Georg, assignor to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, Munich, Germany. Apparatus for cleansing and removing grease and the like from solid articles. 1,771,698; July 29.
- Wolff, Hans. (See Schröter, K., and Wolff.)
- Wolff, Henry W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway-crossing protection apparatus. 1,746,725; Feb. 11.
- Wolff, Irving. (See Weinberger, J., and Wolff.)
- Wolff, Irving, New York, N. Y., assignor to Radio Corporation of America. Sound reproducer. 1,758,993; May 20.
- Wolff, Irving, New York, N. Y., assignor to Radio Corporation of America. Reflector. 1,786,279; Dec. 23.
- Wolff, Maurice L., Chicago, Ill. Folding box and the like. 1,746,507; Feb. 11.
- Wolff, Nathan, New York, N. Y. Union suit. 1,787,098; Dec. 30.
- Wolff, Oscar M., Chicago, Ill. Show case. 1,780,512; Nov. 4.
- Wolff, Walter, assignor of one-fifth to R. H. Wendt, Chicago, Ill. Garment support. Des. 82,295; Oct. 14.
- Wolff, Wilhelm, assignor to Penn Hardware Company, Inc., Reading, Pa. Lock. 1,777,951; Oct. 7.
- Wolford, Charles C. (See Suelflow, A. G., and Wolford.)
- Wolford, William K., Welcome, Minn. Nut lock for rail joints. 1,743,417; Jan. 14.
- Wolfsen, Harold M., New York, N. Y., assignor to Milton Bradley Company, Springfield, Mass. Educational appliance. 1,784,952; Dec. 16.
- Wolfson, Harry, and H. Gerstein, New York, N. Y. Upholstery welt. 1,748,094; Feb. 25.
- Wolfson, Max S., et al. (See Howard, John, assignor.)
- Wolfstyn, Carl E., Crafton, assignor to Pittsburgh-Des Moines Company, Pittsburgh, Pa. Clamp. 1,770,763; July 15.
- Wolgamood, Hugh M., assignor of one-half to J. E. Pickard, Denver, Colo. Floor-finishing machine. 1,751,133; Mar. 25.
- Wolhaupter, David P., and E. L. Groff, Washington, D. C. Rail-joint bar. 1,768,391; June 24.
- Wolinsky, Joseph. (See Belcher, Walter E., assignor.)
- Wolkoff, John, Newark, N. J. Power-transmitting device. 1,759,335; May 20.
- Woll, Joseph, Woodville, Pa. Aeroplane propeller. 1,771,365; July 22.
- Wollaston, Thomas R., Manchester, England. Gas producer and combined furnace. 1,767,952; June 24.
- Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Vignetting shutter. 1,750,830; Mar. 18.
- Wollensak, Arthur C., Milwaukee, Wis. Six-wheel motor vehicle. 1,773,508; Aug. 19.
- Wollensak Optical Company. (See Wollensak, Andrew, assignor.)
- Wollheim, Walter E. (See Morse, A. W., and Wollheim.)
- Wollheim, Walter E., New York, assignor to The Anthony Company, Long Island City, N. Y. Tank suction-pipe unit. 1,775,798; Sept. 16.
- Wolk, Joseph S., New York, N. Y. Life-saving swimming belt. 1,759,336; May 20.
- Wolk, Joseph S., New York, N. Y. Swimmer's life-saving belt. 1,759,637; May 20.
- Wollny, K., assignor to the firm Nollesche Werke Komm.-Ges., Weissenfels O. S., Germany. Tack-feeding device. 1,785,570; Dec. 16.
- Wolnik, Max, Brooklyn, N. Y. Mechanism for receiving and weighing coins. 1,782,249; Nov. 18.
- Wolters, Carl F., Marietta, Ohio, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Supporting means for drawers for articles of furniture. 1,758,550; May 13.
- Wolters, Carl F., and C. Shulte, Marietta, Ohio, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Apparatus for automatically closing and locking safe doors. 1,749,203; Mar. 4.
- Wolters, John H., Lewisville, Tex. Vending machine. 1,751,674; Mar. 25.
- Woltstem, Ralph R., Ozone Park, Long Island, N. Y. Breast support. 1,762,676; June 10.
- Wolverine Brass Works. (See Cornelius, Louis A., assignor.)
- Wolverine Carburetor Company. (See Atkins, Edward G., assignor.)
- Wolverine Supply & Manufacturing Company. (See Goriup, Frank J., assignor.)
- Wolverine Tube Company. (See Acton, Clare S., assignor.)
- Wolverine Tube Company. (See Locke, Arthur A., assignor.)
- Wolvin, Roy M. (See Robinson, Joseph, assignor.)
- Wolyn, David F., Woodmere, N. Y. Silent bridge bidding device. 1,786,809; Dec. 30.
- Womrath, Arthur R., Southport, Conn. Automatic book exchange. 1,772,408; Aug. 5.
- Womrath, George F., Minneapolis, Minn. Pulley structure. 1,761,003; June 3.
- Wonda Phonograph Co. (See Kohn, Samuel, assignor.)
- Wonder Weave, Inc. (See Wells, William S., assignor.)
- Wonning, Harvey H., assignor to H. L. Doherty, New York, N. Y. Coke and ash discharging apparatus. 1,768,945; July 1.
- Wonning, Harvey H., assignor to Combustion Utilities Corporation, New York, N. Y. Furnace-arch construction. 1,769,894; July 1.
- Wonning, Harvey H., Batesville, Ind., assignor to Combustion Utilities Corporation, New York, N. Y. Discharge cone for gas generators. 1,781,040; Nov. 11.
- Wood, Herbert J., Lodi, Calif., assignor, by mesne assignments, to Super Mould Corporation, Reno, Nev. Tire-treading mold. 1,764,378; June 17.
- Wood, A. J., Grand Rapids, Mich. Treadmill exercising device. 1,766,089; June 24.
- Wood, Albert C., Philadelphia, and T. Hall, Harrisburg, Pa. Apparatus for manufacturing frozen confections. 1,765,710; June 24.
- Wood, Albert D., Canton, N. C. Pulp of fiber thickener. 1,742,294; Jan. 7.
- Wood, Alexander P., Schenectady, N. Y., assignor to General Electric Company. Split frame for dynamo-electric machines and making the same. 1,749,728; Mar. 4.
- Wood, Alexander P., Schenectady, N. Y., assignor to General Electric Company. Stator for dynamo-electric machines and making the same. 1,784,649; Dec. 9.
- Wood, Alfred B., assignor to Anti-Freezer Company, Chicago, Ill. Antifreeze device. 1,778,138; Oct. 14.
- Wood, Alvah M. (See Tulip, J. E., and Wood.)
- Wood, Andrew C. (See Van Guilder, W., and Wood.)
- Wood, Andrew C., Chicago, Ill. Mail box. 1,750,339; Mar. 11.
- Wood, Andrew C., assignor to Stewart-Warner Corporation, Chicago, Ill. Commutator brush. 1,757,696; May 6.
- Wood, Andrew C., assignor, by mesne assignments to Vortex Cup Company, Chicago, Ill. Vehicle service tray. 1,786,471; Dec. 30.
- Wood, Andrew C., and R. Bares, assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Cup dispenser. 1,753,357; Apr. 8.
- Wood, Avis D., Lakewood, N. J. Extension seat. 1,751,966; Mar. 25.
- Wood, Charles A., Clay Center, Kans. Toy axle stamping and cutting machine. 1,753,978; Apr. 8.
- Wood, Charles E., Los Angeles, Calif. Apparatus for perforating well casings. 1,779,652; Oct. 28.
- Wood, Charles H., Oakland, Calif. Window-shade fixture. 1,754,661; Apr. 15.
- Wood, Clarence G. (See Ferguson, G. L., and Wood.)
- Wood, Clarence G., Muncie, Ind., assignor, by mesne assignments, to Auto Prime Pump Company, Cleveland, Ohio. Centrifugal pump. 1,757,281; May 6.
- Wood, Clarence G., assignor, by mesne assignments, to Auto Prime Pump Company, Cleveland, Ohio. Centrifugal pump. 1,757,282; May 6.
- Wood, Clarence G., assignor, by mesne assignments, to Auto Prime Pump Company, Cleveland, Ohio. Air pump. 1,768,279; June 24.
- Wood Conversion Company. (See Spafford, Allen L., assignor.)
- Wood Conversion Company. (See Streeter, Edwin H., assignor.)
- Wood, Ernest B. (See Wright, J. C., Wheeler, and Wood.)
- Wood, Ernest B., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Paper-insulated conductor. 1,762,941; June 10.
- Wood, Frank T., Brookline, Mass., assignor to American Bank Note Company, New York, N. Y. Printing press. 1,750,557; Mar. 11.
- Wood, Frank T., Larchmont, assignor to American Bank Note Company, New York, N. Y. Printing press. 1,761,607; June 3.
- Wood, Franz J., Des Moines, Iowa. Conveyer. 1,779,720; Oct. 28.
- Wood, George R., New York, N. Y., assignor to Dayton Scale Company, Dayton, Ohio. Predetermined-weight-indicating devices for scales. 1,742,229; Jan. 7.
- Wood, George R., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Recording scale. 1,750,207; Mar. 11.
- Wood, George R., assignor to Dayton Scale Company, Dayton, Ohio. Grinding device for meat-slicing machines. 1,753,635; Apr. 8.
- Wood, Harley C., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-balancing mechanism. 1,744,431; Jan. 21.
- Wood, Harry L., Lakewood, assignor to D. W. K. Peacock, Cleveland, Ohio. Work-feeding mechanism for typewriting machines. 1,749,791; Mar. 11.
- Wood, Harvey. (See Turner, J. W., Wood, and Mann.)
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Cutting cushion for folding cylinders. Re17,892; Dec. 2.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Motor-operated casting device. 1,748,268; Feb. 25.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Delivery fan. 1,756,616; Apr. 29.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Multiple casting machine. 1,756,617; Apr. 29.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Triplex web press. 1,757,157; May 6.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Page cut-off for ink fountains. 1,760,573; May 27.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper-throw-out and count-rectifying device. 1,762,286; June 10.

- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Cutting cushion for folding cylinders. 1,766,807; June 24.
- Wood, Henry A. W., New York, N. Y. Inclined elevator. 1,768,650; July 1.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Sheet-inserting mechanism for printing presses. 1,773,767; Aug. 26.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing plate. 1,773,768; Aug. 26.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Automatic clip-operating means for stereotype molds. 1,773,769; Aug. 26.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Plate-lifting device. 1,774,777; Sept. 2.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Inking system for printing presses. 1,774,778; Sept. 2.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper lead for the upper decks of printing presses. 1,774,779; Sept. 2.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Sheet-inserting mechanism. 1,774,780; Sept. 2.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Rigid-blade fountain adjustment. 1,778,476; Oct. 14.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Multiple shear pin. 1,778,477; Oct. 14.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Newspaper-printing machine. 1,778,780; Oct. 21.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Delivery-belt-supporting means for folding machines. 1,778,781; Oct. 21.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Plate casting and finishing machine. 1,779,523; Oct. 28.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper-folding device. 1,781,422; Nov. 11.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Tilting casting box. 1,783,323; Dec. 2.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Motor drive for printing presses. 1,784,085; Dec. 9.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Multiple-stereotype-plate-casting machine. 1,785,164; Dec. 16.
- Wood, Hugh C. (See Sheedy, F. T., Wood, and Traung.)
- Wood Hydraulic Hoist & Body Company. (See Barrett, Edward R., assignor.)
- Wood, Jack. (See Quiggin, H., and Wood.)
- Wood, J. R., & Sons, Inc. (See Burgess, Andrew O., assignor.)
- Wood, James. (See Harris, J. C., and Wood.)
- Wood, James W., Twin Falls, Idaho. Centrifugal capping melter. 1,776,962; Sept. 30.
- Wood, John, Manufacturing Company. (See Sponar, Aloysius T., assignor.)
- Wood, John C., and A. Hagener, Lakewood, Ohio, and K. E. Wagner, Chicago, Ill., assignors to The Whitacre Engineering Company, Waynesburg, Ohio. Floor slab. 1,749,204; Mar. 4.
- Wood, John G., and J. H. Alfes, Lansing, assignors to General Motors Corporation, Detroit, Mich. Horn button switch. 1,761,949; June 3.
- Wood, John, Manufacturing Company. (See Mauck, Victor, assignor.)
- Wood, John R., Hatboro, Pa., assignor to New Process Multi-Castings Company. Molding machine. 1,756,776; Apr. 29.
- Wood, Joseph D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electrical distribution system and sectionalizing switch therefor. 1,769,560; July 1.
- Wood, Joseph D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Fluid-containing casing for electric apparatus. 1,769,562; July 1.
- Wood, Joseph D., Bethlehem, Pa., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Fluid-containing casing for electrical apparatus. 1,775,012; Sept. 2.
- Wood, Joseph D., Quincy, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,787,227; Dec. 30.
- Wood, Joseph E., assignor, by mesne assignments, to Fout Advertising Corporation, Detroit, Mich. Advertising device. 1,768,303; June 24.
- Wood, Joseph E., assignor to The Dearborn Company, Chicago, Ill. Table. 1,775,663; Sept. 16.
- Wood, Joseph E., assignor of one-half to J. P. Mellis, Chicago, Ill. Table construction. 1,781,423; Nov. 11.
- Wood, Joseph H. J., Davenport, England. Machinery for grinding, mixing, and like operations. 1,774,464; Aug. 26.
- Wood, Joseph L., New York, N. Y., and V. Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y. Turntable. 1,748,095; Feb. 25.
- Wood, Morris B., Somerville, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Portable metal electric-switch house. 1,750,250; Mar. 11.
- Wood, Morris B., Somerville, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Isolated phase-switching apparatus. 1,769,563; July 1.
- Wood, Myron W., Sioux City, Iowa. Oil burner. 1,784,771; Dec. 9.
- Wood Newspaper Machinery Corporation. (See Catlin, Joseph P., assignor.)
- Wood Newspaper Machinery Corporation. (See Isbell, John A., assignor.)
- Wood Newspaper Machinery Corporation. (See Jordhoy, Hans C., assignor.)
- Wood Newspaper Machinery Corporation. (See Little, John, assignor.)
- Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)
- Wood Newspaper Machinery Corporation. (See Tornberg, Isidor, assignor.)
- Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
- Wood, Norman F. (See Osborn, F. J., and Wood.)
- Wood, Norman J. H., Miami, Fla. Dispensing mechanism. 1,772,409; Aug. 5.
- Wood, Philip C., Johnstonville, Calif. Safety device for boilers. 1,762,940; June 10.
- Wood Process Company. (See Cline, McGarvey, assignor.)
- Wood, Robert, Garwick, Isle of Man. Apparatus for supplying steam to engines when the main supply is cut off. 1,754,184; Apr. 8.
- Wood, Robert, Christchurch, New Zealand. Blind. 1,769,561; July 1.
- Wood, Robert F., and E. A. Heckler, Glenside, Pa. Differential helical chute. 1,750,081; Mar. 11.
- Wood, Rodney J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Credit file. 1,756,415; Apr. 29.
- Wood Shovel and Tool Company, The. (See Brandenburg, Francis C., assignor.)
- Wood, Straud K., Hutchinson, Kans. Car-identifying appliance. 1,762,677; June 10.
- Wood, Ural E., Long Beach, Calif. Rotary motion-control device. 1,764,090; June 17.
- Wood, Vernon, Los Angeles, assignor to American Can Company, San Francisco, Calif. Sylphon-bellows detector for sanitary can testers. 1,746,296; Feb. 11.
- Wood, Walter. (See Camerota, Louis A., assignor.)
- Wood, Walter A., Flint, assignor to General Motors Research Corporation, Detroit, Mich. Engine-valve-operating means. 1,760,853; May 27.
- Wood, Walter D., Bay City, Oreg. Toy. 1,769,327; July 1.
- Wood, Walter W., Canton, Ohio. Automobile spring suspension. 1,745,881; Feb. 4.
- Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Generating steam by the burning of fuel in suspension. 1,762,319; June 10.
- Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Rotary air heater. 1,762,320; June 10.
- Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Pulverized-fuel-distributing apparatus. 1,769,763; July 1.
- Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Multiple-unit boiler. 1,775,336; Sept. 9.
- Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Finely-divided-fuel-burning furnace construction. 1,781,310; Nov. 11.
- Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Steam generator. 1,784,407; Dec. 9.
- Wood, Willard A., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-switch-controlling apparatus. 1,778,543; Oct. 14.
- Wood, William A. (See Bindschedler, T. S., and Wood.)
- Wood, William E., Alton, and W. H. Bachelder, Wood River, Ill., assignors to Standard Oil Company, Whiting, Ind. Head-locking mechanism for containers. 1,783,687; Dec. 2.
- Wood, William H. (See Newland, G. H., and Wood.)
- Wood, William R., Globe, Ariz. Vulcanizer. 1,744,941; Jan. 28.
- Woodall-Duckham (1920) Limited. (See Duckham, Arthur M., assignor.)
- Woodall, Herbert J., and M. S. Randall, Detroit, Mich. Fastening interior wall panels to automobile body frames. 1,753,397; Apr. 8.
- Woodall, Herbert J., and M. S. Randall, Detroit, Mich. Automobile closed-body construction. 1,764,668; June 17.
- Woodall, John H., assignor to Georgia Cushion and Wrap Company, Woodland, Ga. Pad for fruit containers. 1,752,716; Apr. 1.
- Woodard, William C., et al. (See Farnum, Dwight, assignor.)

- Woodard, William E., Forest Hills, N. Y. Locomotive. 1,775,337; Sept. 9.
- Woodberry, David L., Baltimore, Md. Fuse for rifle grenades. 1,770,447; July 15.
- Woodbridge, Arthur L., Chicago, Ill. Spiral stairway. 1,774,582; Sept. 2.
- Woodbridge, Charles K., Flushing, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Timing. 1,781,041; Nov. 11.
- Woodbridge, Howard C., Rochester, assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Grate shaker. 1,749,458; Mar. 4.
- Woodbridge, Joseph L., Philadelphia, Pa. Vent opening and plug for storage batteries. 1,758,551; May 13.
- Woodbridge, Joseph L., Philadelphia, Pa. Controlling the charge of a storage battery. 1,796,280; Dec. 23.
- Woodbury, Clifford A., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Detonator and process of making. 1,783,372; Dec. 2.
- Woodbury, Ray, and R. L. Martin, Portland, Oreg., and G. B. Doane, jr., Summit, N. J. Method and apparatus for removing rails from railroad tracks. 1,754,662; Apr. 15.
- Woodbury Shoe Mfg. Co. (See Bee, Herbert, assignor.)
- Woodbury Shoe Mfg. Co. (See Johnson, William A., assignor.)
- Woodcock, Reginald B. (See Barclay, W. R., and Woodcock.)
- Woodcock, Reginald B., and T. A. Kestell, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Sole-rounding machine. 1,782,494; Nov. 25.
- Woodcock, Reginald B., and J. Cook, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,782,495; Nov. 25.
- Woodford, Joe C., assignor to Service Station Equipment Company, Bryan, Ohio. Air-service station. 1,752,048; Mar. 25.
- Woodford, Watson H. (See Leckie, H. V., and Woodford.)
- Woodford, Watson H., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Manufacture of paper tubes. 1,767,827; June 24.
- Woodhead, Carl W., Gilman, Colo. Operating mechanism for glare shields. 1,750,450; Mar. 11.
- Woodhead, Daniel, Chicago, Ill. Lamp-guard handle. 1,760,618; May 27.
- Woodhead, Harry, assignor to The Midland Steel Products Company, Cleveland, Ohio. Pipe coupling. 1,756,417; Apr. 29.
- Woodhouse, John S., assignor to Carr Chain Works, Inc., Troy, N. Y. Tire-chain connector. 1,758,210; May 13.
- Woodhull, Llewellyn S. (See Marshall, W., and Woodhull.)
- Woodhull, Samuel T., Winchester, assignor to The Amrad Corporation, Medford, Mass. Electrolytic condenser. 1,753,912; Apr. 8.
- Woodjard, Guy L., San Diego, assignor to Economy Products Corporation, Los Angeles, Calif. Paper and plaster foundation-supporting device. 1,768,532; June 24.
- Woodland, Cecil R. (See Kessler, F., Woodland, and McCrindle.)
- Woodman, Albert G., Grand Rapids, Mich. Binding strip. 1,770,259; July 8.
- Woodman, Commodore B., assignor of one-half to O. Hoffman, Oakland, Calif. Bottle-capping machine. 1,780,327; Nov. 4.
- Woodman, Francis N., Clinton, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Sectional conveyor belt. 1,749,932; Mar. 11.
- Woodman, Francis N., Clinton, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Salvaged wire conveyor belt. 1,766,736; June 24.
- Woodman, Francis N., Clinton, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Conveyor belt. 1,766,737; June 24.
- Woodman, Joseph C., Brooklyn, assignor to Decarie Incinerator Corporation, New York, N. Y. Incinerator grate. 1,767,030; June 24.
- Woodman, Leo K. (See Woodman, William S., assignor.)
- Woodman, William S., Lakewood, assignor of one-fourth to L. K. Woodman, Cleveland, Ohio. Knockdown container. 1,752,134; Mar. 25.
- Woodmansee, Clay G., assignor of one-half to Lincoln Drilling Company, Los Angeles, Calif. Inclinator. 1,786,184; Dec. 23.
- Woodrich, Adolph, Klamath Falls, Oreg. Milk-sterilizing apparatus. 1,775,579; Sept. 9.
- Woodring, Hubert E., Denver, Colo. Signaling mechanism for automobiles. 1,748,929; Feb. 25.
- Woodrow Washing Machine Company. (See Gibson, George M.)
- Woodrow Washing Machine Company. (See Gibson, George M., assignor.)
- Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Interchangeable-container freight car. 1,754,451; Apr. 15.
- Woodruff, Joseph W., Elizabeth, N. J. Pressure grease measuring and distributing apparatus. 1,761,423; June 3.
- Woodruff, Joseph W., Elizabeth, N. J. Oil-measuring apparatus. 1,782,704; Nov. 25.
- Woodruff, Shelley G., Lynwood, and E. D. Storts, Long Beach, Calif. Drill bit. 1,746,455; Feb. 11.
- Woodruff, William W., 3d., Swarthmore, and R. L. Jenner, Germantown, Pa. Suspension clamp. 1,776,531; Sept. 23.
- Woods, Albert T., Placerville, Colo. Meat fork. 1,753,815; Apr. 8.
- Woods, Charles C., Denver, Colo. Process and apparatus for regulation of tone-producing quality of hammers in stringed musical instruments. 1,785,165; Dec. 16.
- Woods, Clinton E., deceased, Yeadon, Pa., by J. E. Woods, Upper Darby, Pa., administratrix. Casing for a floor-polishing brush. Des. 81,423; June 17.
- Woods, Frank E. (See Baldwin, E. F., and Woods.)
- Woods, Garland W., University City, Mo. Hand wardrobe trunk. 1,745,137; Jan. 28.
- Woods, Harold B., Arlington, Mass., assignor, by mesne assignments, to Consolidated Automatic Merchandising Corporation. Check detector. 1,749,792; Mar. 11.
- Woods, Harold B., Hudson, Mass., assignor, by mesne assignments, to Consolidated Automatic Merchandising Corporation. Envelope-dispensing machine. 1,756,418; Apr. 29.
- Woods, Harry M., Roanoke, Va. Washout plug. 1,748,665; Feb. 25.
- Woods, James O., Cheyenne, Wyo. Saw set. 1,766,009; June 24.
- Woods, John S., Orleans, Calif. Device for extracting minerals from ore or mineral bearing sand. 1,773,212; Aug. 19.
- Woods, Julia E., administratrix. (See Woods, Clinton E.)
- Woods, Leonard G., Pittsburgh, Pa. Marker for pavement. 1,748,466; Feb. 25.
- Woods Manufacturing Company. (See Dunne, David H., assignor.)
- Woods, Philip J., Revere, assignor of one-half to E. J. Ziegler, Brookline, Mass. Making compressible friction-clutch. 1,770,056; July 8.
- Woods, Sophie L. (See Crawford, George S., assignor.)
- Woods, Thomas R., Redding, Calif. Vise. 1,783,594; Dec. 2.
- Woods, Walter T., Long Beach, assignor, by mesne assignments, to Byron Jackson Co., San Francisco, Calif. Device for preventing abrasion between drill pipes and surrounding well casings. 1,764,769; June 17.
- Woods, Walter T., Long Beach, assignor, by mesne assignments, to Byron Jackson Co., San Francisco, Calif. Rock drill. 1,766,578; June 24.
- Woods, William E., assignor, by mesne assignments, to Trav-Ler Manufacturing Corporation, St. Louis, Mo. Grid leak and condenser. 1,747,341; Feb. 18.
- Woodside, James P., Detroit, Mich. Mouthpiece. 1,782,559; Nov. 25.
- Woodsome, John O., Detroit, Mich. Valve-controlling apparatus. 1,749,406; Mar. 4.
- Woodsome, John O., Detroit, Mich. Pressure-regulating valve. 1,767,270; June 24.
- Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,763,117; June 10.
- Woodson, William C., jr., Brooklyn, N. Y. Producing speeds proportional to variations in static force. 1,766,579; June 24.
- Woodul, Walter F. (See Yates, Paul C., assignor.)
- Woodward, Alva W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Latching device. 1,779,386; Oct. 21.
- Woodward, Harold E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Trisazo dyes and producing the same. 1,784,617; Dec. 9.
- Woodward, Hubbard Company. (See Fancher, C. J., and Johnson, assignors.)
- Woodward-Hubbard Company. (See Hubbard, G., Fancher, Sévigné, and Johnson, assignors.)
- Woodward, John E., Brooklyn, assignor to Messrs. Kastenhuber & Lehrfeld, New York, N. Y. Pen-point alloy. 1,753,161; Apr. 1.
- Woodward, John E., assignor to Kastenhuber & Lehrfeld, New York, N. Y. Alloy. 1,753,162; Apr. 1.
- Woodward, Richard C. (See Trumble, M. J., and Woodward.)
- Woodward, Roland W. (See Gammell, O. L., and Woodward.)
- Woodward-Wanger Company. (See Bardsley, Samuel B., assignor.)
- Woodworth, Charles B., Binghamton, N. Y. Spring cover. 1,750,915; Mar. 18.
- Woodworth, Roy V., assignor to Western Supplies Co., St. Louis, Mo. Marking machine. Re17,715; June 24.
- Woofter, Herbert A., Kenton, Ohio, assignor to Swift Electric Welder Company, Detroit, Mich. Welding apparatus. 1,753,492; Apr. 8.
- Woofter, Herbert A., Kenton, Ohio, assignor to Swift Electric Welder Company, Detroit, Mich. Electrical lead. 1,757,822; May 6.
- Woolard, William F. (See Hampden, Wellesley R., assignor.)
- Woodridge, William J., Mansfield, Ohio. Manufacture of silicon steel. 1,773,157; Aug. 19.
- Woolf, Lawrence E., White Plains, N. Y. License holder. 1,746,880; Feb. 11.
- Woolfenden, Henry L., Detroit, Mich. Garage construction. 1,749,793; Mar. 11.
- Woolfenden, Henry L., Detroit, Mich. Building structure. 1,751,965; Mar. 25.
- Woolfork, James B., Philadelphia, Pa. Shoe-shining machine. 1,762,005; June 3.
- Woolgar, Arthur C., Lansing, Mich. Eye-controlling mechanism for figure toys. 1,775,580; Sept. 9.

- Woolgar, William A., jr., Detroit, Mich. Aeroplane-wing construction. 1,765,189; June 17.
- Woolley, George W., Pasadena, Calif. Parking device for motor vehicles. 1,761,554; June 3.
- Woolley, George W., Pasadena, Calif. Parking gear for motor vehicles. 1,764,486; June 17.
- Woolley, Horace M., jr., Cleveland, Ohio. Shore. 1,779,925; Oct. 28.
- Woolley, John J. (See Klamp, P., and Woolley.)
- Woolley, Marie, Brooklyn, N. Y. Slicing machine for vegetables and foodstuffs. 1,746,979; Feb. 11.
- Woolley, William J., Chicago, Ill. Bath-fixture lug. 1,749,794; Mar. 11.
- Woolnought, Albert E., St. Albans, N. Y. Toy animal. Des. 80,299; Jan. 7.
- Woolson, Harry T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Oil pump. 1,748,744; Feb. 25.
- Woolson, Harry T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Clutch-plate connection. 1,760,619; May 27.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,752,359; Apr. 1.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,755,942; Apr. 22.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Carburetor for internal-combustion engines. 1,755,943; Apr. 22.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,766,866; June 24.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,766,867; June 24.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,766,868; June 24.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,767,422; June 24.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,768,185; June 24.
- Woolums, William H., Washington, D. C. Antiglare device for vehicle headlights. 1,773,071; Aug. 12.
- Woolworth, F. W., Co. (See Newberry, William F., assignor.)
- Woolworth, F. W., Company. (See Payne, James M., jr. assignor.)
- Woonsocket Machine & Press Co. (See Moss, Joseph, assignor.)
- Worbois, Homer L., assignor to General Motors Research Corporation, Dayton, Ohio. Oil filter. 1,742,743; Jan. 7.
- Worcester Knitting Co., The. (See Barnett, Arthur J., assignor.)
- Worcester Loom Works. (See Alvord, Clinton, assignor.)
- Worcester, Richard H., Honolulu, Hawaii. Safety coupler. 1,765,959; June 24.
- Worden, Arthur F., Brooklyn, assignor to American District Telegraph Company, New York, N. Y. Service cap emblem or similar article. Des. 82,122; Sept. 23.
- Worden, James A., Antigo, Wis. Kiln. 1,783,030; Nov. 25.
- Wordingham, George, Milwaukee, Wis. Garment-hanger cover. 1,749,238; Mar. 4.
- Wordingham, George, Milwaukee, Wis. Soft-collar case. 1,774,782; Sept. 2.
- Working, Earl B., Manhattan, Kans. Chocolate material and making same. 1,781,672; Nov. 11.
- Workman, C. Reeder. (See Crawford, James R., assignor.)
- Workman, Paul E., Dallas, Tex. Recovering and increasing the production of oil. 1,784,214; Dec. 9.
- World Bestos Corporation. (See Nanfeldt, William, assignor.)
- Worley, Charles S., Philadelphia, Pa. Inclosure for rumble seats of automobiles. 1,772,197; Aug. 5.
- Worley & Co. (See Worley, J., jr., and Vreeland, assignors.)
- Worley, John, jr., and E. L. Vreeland, assignors to Worley & Co., Los Angeles, Calif. Latching mechanism for lockers. 1,774,783; Sept. 2.
- Worms, Jean P. (See Escaich, A., and Worms.)
- Woroshilow, Anatoly P. (See Lurie, M. J., and Woroshilow.)
- Worrall, Arthur G. (See Hackett, R. W., and Worrall.)
- Worrall, Frederick W. (See Guerry, J. E., Worrall, and Muglach.)
- Worrall, John H., Philadelphia, Pa., assignor to John Bromley & Sons, Incorporated. Lace. Des. 81,565; July 8.
- Worrall, Robert H., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Piezo-electric crystal apparatus. 1,763,288; June 10.
- Worrell, Howard S., Ardmore, Pa., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonographic recording. 1,783,761; Dec. 2.
- Worrell, Howard S., Ardmore, Pa., and E. G. Wheeler, assignors to Dictaphone Corporation, Bridgeport, Conn. Electrically-operated phonograph. 1,747,688; Feb. 18.
- Wörsching, Richard, Starnberg, Germany. Obtaining very sharp photographs with free cameras. 1,766,090; June 24.
- Wörsching, Richard, Starnberg, Germany. Light screen for the lens of photographic cameras. 1,775,180; Sept. 9.
- Wortham, James G., Tullahoma, Tenn. Starting and light switch. 1,743,949; Jan. 14.
- Wortham, Jesse L. (See McFarland, Parley E., assignor.)
- Worthington, Charles C., Dunfield, N. J. Cleated ground wheel. 1,750,145; Mar. 11.
- Worthington, Everett. (See Meyercord, C. R., and Worthington.)
- Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or similar article. Des. 80,556; Feb. 18.
- Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or similar article. Des. 80,655; Mar. 4.
- Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or similar article. Des. 80,978; Apr. 15.
- Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or similar article. Des. 81,360; June 10.
- Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or similar article. Des. 81,361; June 10.
- Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or similar article. Des. 81,362; June 10.
- Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or similar article. Des. 81,363; June 10.
- Worthington, John C., New York, N. Y. Amphibian landing gear. 1,769,406; July 1.
- Worthington, John T., Whittier, assignor to Petroleum Rectifying Company of California, San Francisco, Calif. Water-level-controlling device. 1,762,538; June 10.
- Worthington, John T., Long Beach, assignor to Petroleum Rectifying Company, California, Los Angeles, Calif. Dehydrator having horizontal revolving electrodes. 1,783,595; Dec. 2.
- Worthington Pump and Machinery Corporation. (See Allerton, Robert W., assignor.)
- Worthington Pump and Machinery Corporation. (See Barnaby, James C., assignor.)
- Worthington Pump and Machinery Corporation. (See Diserens, Paul, assignor.)
- Worthington Pump and Machinery Corporation. (See Dorer, O. H., and Van Hengel, assignors.)
- Worthington Pump and Machinery Corporation. (See Feldbush, Harry A., assignor.)
- Worthington Pump and Machinery Corporation. (See Grace, John F., assignor.)
- Worthington Pump and Machinery Corporation. (See Lawacek, Franz, assignor.)
- Worthington Pump and Machinery Corporation. (See Lucke, Charles E., assignor.)
- Worthington Pump and Machinery Corporation. (See Riesner, Michael, assignor.)
- Worthington Pump and Machinery Corporation. (See Saharoff, Alexander V., assignor.)
- Worthington Pump and Machinery Corporation. (See Sebalt, Joseph H., assignor.)
- Worthington Pump and Machinery Corporation. (See Spillmann, Max, assignor.)
- Worthington, Wayne H., Battle Creek, Mich. Intake manifold. 1,767,031; June 24.
- Worthington, Wayne H., Battle Creek, Mich., assignor to Advance-Rumely Company, LaPorte, Ind. Thrashing machine. 1,771,240; July 22.
- Wörtmann, Franz, assignor to Société Anonyme des Ateliers de Secheron, Geneva, Switzerland. Regulating transformer for arc welding by alternating current. 1,767,497; June 24.
- Wortmann, Karl A., Pittsburgh, Pa. Salvaging ship. 1,776,210; Sept. 16.
- Woveris, Joseph F., Chicago, Ill. Universal joint. 1,763,206; June 10.
- Woythal, John M., Chicago, Ill. Scissors. 1,755,141; Apr. 15.
- Woytych, Raymond M. (See Kempton, H. E., Gallimore, and Woytych.)
- Woytych, Raymond M., Fond du Lac, Wis., assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Work holder. 1,783,596; Dec. 2.
- Woywot, Walter J., Chicago, Ill., assignor, by mesne assignments, to Bobrick Chemical Corporation, Los Angeles, Calif. Dispensing valve. 1,772,061; Aug. 5.
- Wozasek, Oscar J. (See Guthrie, R. G., and Wozasek.)
- Wozniak, Joseph, and E. G. Bremford, Detroit, Mich. Display device. 1,785,105; Dec. 16.
- Wragg, Charles A., Washington, D. C. Control of lift and balance of aircraft. 1,756,272; Apr. 29.
- Wragg, Charles A., Nyack-on-Hudson, N. Y. Multiple-blade propeller. 1,779,026; Oct. 21.
- Wraper, Harold J., assignor, by mesne assignments, to Benwood-Linze Company, St. Louis, Mo. Lead for radio systems. 1,744,091; Jan. 21.

- Wrape, Harold J., assignor, by mesne assignments, to Benwood-Linze Company, St. Louis, Mo. Lead for radio systems. 1,744,092; Jan. 21.
- Wrap-Rite Corporation, The. (See Brownell, Charles O., assignor.)
- Wratten, Edward H. (See Hornby, R., and Wratten.)
- Wratten, Henry L., Racine, Wis. Boiler. 1,785,756; Dec. 23.
- Wratten, Walter F., Fairbury, Nebr. Track-bed sprayer. 1,767,828; June 24.
- Wray, Charles F., assignor to National Brass Manufacturing Company, Rochester, N. Y. Check-valve construction. 1,757,823; May 6.
- Wray, Edward N. (See Bashor, E. E., and Wray.)
- Wray, George, Southport, England. Apparatus for delivering liquids in measured quantities by volume. 1,755,756; Apr. 22.
- Wray, James A., Los Angeles, Calif. Multiple-bearing swivel. 1,748,269; Feb. 25.
- Wray, James A., Los Angeles, Calif. Fluid-operated pump. 1,750,146; Mar. 11.
- Wray, James A., Los Angeles, Calif. Swivel. 1,760,224; May 27.
- Wray, John W., Finchley, London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Traveling grate. 1,772,299; Aug. 5.
- Wray, Thomas A., University City, Mo. Metal-lath support. 1,780,731; Nov. 4.
- Wrenn, John O., Chicago, Ill. Condenser. 1,765,960; June 24.
- Wrenn, Walter C., and E. E. Neeley, Longmont, Colo. Automobile headlight. 1,746,508; Feb. 11.
- Wrentmore, George W. (See Godfrey, E. L., and Wrentmore.)
- Wreschner, Marie, and L. F. Loeb, assignors to the firm: Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Composition of matter and producing same. 1,752,826; Apr. 1.
- Wright, Alva O., North Salem, Ind. Dispensing receptacle. 1,771,106; July 22.
- Wright, Andrew E., Newark, N. J. Phonograph case. 1,774,345; Aug. 26.
- Wright, Auburn E., Nappanee, Ind. Sewer-pipe cleaner. 1,777,064; Sept. 30.
- Wright, Bert R., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Liquid-flow regulator for centrifuges. 1,784,953; Dec. 16.
- Wright, Bruce R., Windsor, Vt. Identification plate. 1,754,588; Apr. 15.
- Wright, Charles H., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Apparatus for separating glass sheets. 1,765,814; June 24.
- Wright, Clarence, assignor to Wright Rubber Products Company, Racine, Wis. Paving block. 1,778,927; Oct. 21.
- Wright, Clyde S., assignor to The National Supply Company, Toledo, Ohio. Well-drilling apparatus. 1,750,982; Mar. 18.
- Wright, Clyde S., assignor to The National Supply Company, Toledo, Ohio. Pitman. 1,782,863; Nov. 25.
- Wright Company, The. (See Wright, Max, assignor.)
- Wright, Dallas E. (See Mahan, J. R., and Wright.)
- Wright, Daniel K., Paterson, N. J., assignor to General Electric Company. Electric soldering machine. 1,749,684; Mar. 4.
- Wright, Edward A., Wichita, Kans. Airplane. Des. 81,770; Aug. 5.
- Wright, Edward A., Wichita, Kans. Toy airplane. Des. 82,235; Oct. 7.
- Wright, Edward A., Fresno, Calif. Vehicle top. 1,759,250; May 20.
- Wright, Edwin M., assignor, by mesne assignments, to Robbins & Myers, Inc., Springfield, Ohio. Lubricating device. 1,762,373; June 10.
- Wright, Edwin M., assignor, by mesne assignments, to Robbins & Myers, Inc., Springfield, Ohio. Rotor for electric motors. 1,771,474; July 29.
- Wright, Edwin M., assignor to Robbins & Myers, Inc., Springfield, Ohio. Stator in electric motors and generators. 1,771,475; July 29.
- Wright, Ernest H., Kansas City, Mo. Manufacturing meat cure. 1,753,358; Apr. 8.
- Wright, Esmond P. G., Burwood, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,762,751; June 10.
- Wright, Esmond P. G., Croydon, J. H. E. Baker, Hampstead, and A. H. Cameron, Brondesbury, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,757,446; May 6.
- Wright, Fenton, Kansas City, Mo. Shirt fastener. 1,780,692; Nov. 4.
- Wright, Frank H. (See Moses, A. J., and Wright.)
- Wright, Frank M., Olean, N. Y. Hand-pack filler. 1,744,601; Jan. 21.
- Wright, Frederic E., New York, N. Y. Card table. 1,756,777; Apr. 29.
- Wright, Frederick H., London, and E. W. Lewis, Lelston, England. Change-speed gearing for power-driven food-mixing machines. 1,775,881; Sept. 16.
- Wright, Frederick H., and E. W. Lewis, London, England. Meat-mincing and sausage-meat-making machine. 1,782,084; Nov. 18.
- Wright, George J., Brookline, Mass. Rear-curtain-operator device. 1,749,621; Mar. 4.
- Wright, George M. (See Franklin, C. S., Witt, Wright, and Smith.)
- Wright, George S., Ottawa, Ill. Pump connection. 1,757,034; May 6.
- Wright, Gordon A., Syracuse, N. Y. Building floor. 1,752,583; Apr. 1.
- Wright, Herbert, jr. (See John, W. J., and Wright.)
- Wright, Jacob H., Oakland, assignor to Western Sulphur Company, Inc., San Francisco, Calif. Plant-dusting machine. 1,750,147; Mar. 11.
- Wright, James A., Montreal, Quebec, Canada. Front-axle assembly. 1,781,205; Nov. 11.
- Wright, James A., Montreal, Quebec, Canada. Tractor. 1,781,206; Nov. 11.
- Wright, James C., Maplewood, N. J., E. B. Wheeler, New York, N. Y., and E. B. Wood, Chatham, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Measuring and recording device. 1,762,942; June 10.
- Wright, James E., Los Angeles, Calif. Vehicle. 1,767,032; June 24.
- Wright, James E., Los Angeles, Calif. Vehicle steering apparatus. 1,767,033; June 24.
- Wright, James G. E., Alplaus, N. Y., assignor to General Electric Company. Restoring shrunken films. 1,783,895; Dec. 2.
- Wright, J. T., Company, The. (See Wright, Joseph T., assignor.)
- Wright, James W., Los Angeles, Calif. Stucco base. 1,742,627; Jan. 7.
- Wright, James W., assignor to E. A. Early, Eureka, Calif. Bill file. 1,748,816; Feb. 25.
- Wright, John B., Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Feed-valve device. 1,754,250; Apr. 15.
- Wright, Joseph T., assignor to The J. T. Wright Company, Cincinnati, Ohio. Lubricating perforator presses. Re17,905; Dec. 16.
- Wright, Kirk K., Kenmore, N. Y. Apparatus for cleaning bottles. 1,765,557; June 24.
- Wright, Kirk K., assignor to R. G. Wright & Co., Buffalo, N. Y. Truck. 1,778,654; Oct. 14.
- Wright, M. S. Company. (See Gleason, Clifford J., assignor.)
- Wright, Max, assignor to The Wright Company, Atlanta, Ga. Vender's cart. 1,760,854; May 27.
- Wright, Max, Atlanta, Ga. Table. 1,770,722; July 15.
- Wright, Parvin, Seattle, Wash., assignor to The Gerrard Company, Inc., Chicago, Ill. Tag-addressing machine. 1,764,669; June 17.
- Wright, R. G., & Co. (See Wright, Kirk K., assignor.)
- Wright Rubber Products Company. (See Wright, Clarence, assignor.)
- Wright, Stanley M., and A. D. McGill, Denver, Colo. Spinner for fish lures. 1,758,344; May 13.
- Wright, Thomas T., Macon, Mo. Weeder. 1,758,384; May 13.
- Wright, Virgil, Dallas, Tex. Air cooler. 1,786,185; Dec. 23.
- Wright, Wallace C., Brookfield, N. H., assignor to Harding Engineering Company, East Boston, Mass. Weighting and grading machine. 1,756,016; Apr. 29.
- Wright, Wilbur L., assignor to Oswego Falls Corporation, Fulton, N. Y. Bottle-closure disk. 1,779,350; Oct. 21.
- Wright, Wilbur L., assignor to Oswego Falls Corporation, Fulton, N. Y. Tapered or nesting paper can. 1,787,332; Dec. 30.
- Wright, Wilbur L., Fulton, and J. T. Bond, Phoenix, assignors to Oswego Falls Corporation, Fulton, N. Y. Exterior slip cover for containers. 1,760,029; May 27.
- Wright, Wilbur L., and L. D. Pierce, assignors to Oswego Falls Corporation, Fulton, N. Y. Apparatus for applying binders and the like to paper hood caps and other articles. 1,760,893; June 3.
- Wright, William C., and J. F. Schenck, sr., Lawndale, N. C. Braiding machine. 1,765,117; June 17.
- Wright, William E., San Antonio, Tex. Protecting shield for bank cages and the like. 1,747,655; Feb. 18.
- Wright, William J., Overlea, Baltimore, Md. Book-identification device. 1,760,574; May 27.
- Wrighton, Margaret J., assignor of one-half to E. M. Gerber, Los Angeles, Calif. Elastic barrette. 1,743,587; Jan. 14.
- Wrighton, William J., assignor to American Optical Company, Southbridge, Mass. Goggles. Re17,781; Aug. 26.
- Wrightsmen, Philip G., Chester Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making nitrated sugar explosives. 1,750,948; Mar. 18.
- Wrightsmen, Philip G., Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrated carbohydrate explosive and process of manufacture. 1,750,949; Mar. 18.
- Wrightsmen, Philip G., Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrated carbohydrate explosives and producing same. 1,751,063; Mar. 18.
- Wrightsmen, Philip G., Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrated carbohydrate explosive and producing the same. 1,751,377; Mar. 18.
- Wrightson, Victoria. (See Wrightson, Wilfrid I. and V.)
- Wrightson, Wilfrid I. and V., Newcastle-upon-Tyne, England. Nail-cleaning appliance. 1,750,451; Mar. 11.
- Writer, Carl A. (See Jones, E. M., and Writer.)

- Wrigley, Sylvanus E., Sturgeon Creek, Manitoba, Canada. Tent. 1,786,928; Dec. 30.
- Wrigley, Wm., Jr., Company. (See Eckerly, Edward W., assignor.)
- Wrigley, Wm., Jr., Company. (See Kappes, Andrew C., assignor.)
- Wrigley, Wm., Jr., Company. (See Ranney, Willet B., assignor.)
- Wrought Iron & Art Glass Fixture Co. (See Cricchio, Paul, assignor.)
- Wrought Iron & Art Glass Fixture Co. (See Roettges, Frederick W., assignor.)
- Wubbenhorst, Adolph C., Chicago, Ill. Separating elements from shafts. 1,747,689; Feb. 18.
- Wubco Battery Corporation. (See Aldrich, H. H., and Rupp, assignors.)
- Wuerfel, William, assignor to Wilkening Manufacturing Co., Philadelphia, Pa. Spring and method of making same. Re1,785; Aug. 26.
- Wuest, Adolf, St. Francis, Wis. Combination chair and ladder. 1,755,680; Apr. 22.
- Wuest, Albert G. (See Consor, H. A., Matthes, and Wuest.)
- Wuest, Elmer T., Cincinnati, Ohio. Cotton-preparing machine. 1,769,669; July 1.
- Wuesthoff, Frederick, Maplewood, N. J. Pocketknife clip. 1,769,093; July 1.
- Wulf, Charles A., assignor to American Valve & Enameling Corporation, Indianapolis, Ind. Cover flange and holder. 1,778,409; Oct. 14.
- Wulf, Herman W., Ainsworth, Nebr. Automatic oiler. 1,761,699; June 3.
- Wulfert, Otto, assignor to Wagner Electric Corporation, St. Louis, Mo. Motor mounting. 1,778,992; Oct. 21.
- Wulff, John F. (See Houts, G. J., Tournier, and Wulff.)
- Wulff, Otto, R. Sedlmayr, Munich and W. Eckert, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Aromatic diacidyl compound and preparing the same. 1,747,535; Feb. 18.
- Wulff, Robert G., Los Angeles, Calif. Explosives and process for making. 1,772,695; Aug. 12.
- Wulle, William A., assignor to The Pyle-National Company, Chicago, Ill. Classification lamp. 1,759,030; May 20.
- Wunderlich, Albert M. (See Carmichael, A. J., and Wunderlich.)
- Wünsch, Erich P. G., Steglitz, near Berlin, assignor to Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Gas-flow-regulating apparatus. 1,768,726; July 1.
- Wunsch, Erich P. G., Steglitz, near Berlin, assignor to Askania-Werke Aktiengesellschaft vormals Centralwerkstatt, Dessau, and Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Compass. 1,778,303; Oct. 14.
- Wunsch, Felix, assignor to Leeds & Northrup Company, Philadelphia, Pa. System of frequency or speed measurement and control. 1,751,538; Mar. 25.
- Wunsch, Felix, assignor to Leeds & Northrup Company, Philadelphia, Pa. Frequency and speed control. 1,751,539; Mar. 25.
- Wünsch, Guido, Steglitz, near Berlin, Germany. Thermo-stat. 1,776,240; Sept. 16.
- Wünsch, Guido, Steglitz, near Berlin, assignor to Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau, Kaiserallee, Berlin-Friedenau, Germany. Apparatus for the regulation of driving engines for electric-current generators. 1,752,135; Mar. 25.
- Wünsche, Wilhelm, Detroit, Mich. Hobbler. 1,782,835; Nov. 25.
- Wurlitzer, Rudolph, Manufacturing Company, The. (See Deverall, Charles N., assignor.)
- Wurlitzer, Rudolph, Manufacturing Company, The. (See Lockwood, Louis S., assignor.)
- Wurlod, Luis, Buenos Aires, Argentina. Spittoon of variable height fit for dentists or physicians. 1,783,688; Dec. 2.
- Wurman, Harry P., Brooklyn, N. Y., assignor to Bayuk Cigars Incorporated, Philadelphia, Pa. Casing tobacco. 1,750,656; Mar. 18.
- Wurster, Oscar H. (See Sanger, Walter E., assignor.)
- Wurzbach, Hugh E., and L. H. Wadsworth, Magna, assignors to Selector Corporation, Salt Lake City, Utah. Check-controlled change-delivering apparatus. 1,748,504; Feb. 25.
- Wurzbach, Hugh E., and L. H. Wadsworth, Magna, Utah, assignors to Selector Corporation, Salt Lake City, Utah. Method and apparatus for selecting metal checks. 1,751,120; Mar. 18.
- Wurzbach, Hugh E., and L. H. Wadsworth, Magna, assignors to Selector Corporation, Salt Lake City, Utah. Method and apparatus for selecting checks. 1,756,076; Apr. 29.
- Wurzbach, Hugh E., and L. H. Wadsworth, Magna, assignors to Selector Corporation, Salt Lake City, Utah. Check-controlled apparatus. 1,756,619; Apr. 29.
- Wurzbach, Hugh E., and L. H. Wadsworth, Magne, Utah, and H. G. Nutt, Altadena, Calif., assignors to The Selector Corporation, Salt Lake City, Utah. Check-controlled mechanism. 1,764,091; June 17.
- Wurzburg, Edwin G. (See Crane, Charles A., assignor.)
- Wüst, Fritz, Dusseldorf, Germany. Smelting processes. 1,751,185; Mar. 18.
- Wüst, Fritz, Dusseldorf, assignor to the firm Th. Goldschmidt A.-G., Essen, Germany. Utilizing bundled scrap metal. 1,756,049; Apr. 29.
- Wuyts, Joseph, Staten Island, assignor to Black, Starr and Frost, New York, N. Y. Plate or similar article. Des. 82,714; Dec. 2.
- Wyatt, Clayton F., assignor, by mesne assignments, of one-half to P. S. Seecombe. Draft and noise stop. 1,781,864; Nov. 18.
- Wyatt, Edwin M., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Brick-wall construction. 1,768,651; July 1.
- Wyatt, Floyd, Whittenberg, Tex. Gas burner. 1,753,141; Apr. 1.
- Wydler, Hermann, Bern, assignor to Sauser S. A., Soleure, Switzerland. Liquid-measuring device with two alternately filled and discharged gauged vessels. 1,743,745; Jan. 14.
- Wydler, Hermann, Bern, assignor to the firm Sauser S. A. Soleure, Switzerland. Liquid-measuring device provided with a continuous counter. 1,754,589; Apr. 15.
- Wydom, Herbert H., Boston, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Feeding mechanism for sheet material. 1,763,735; June 17.
- Wylam, Birkett, and J. Thomas, Grangemouth, assignors to Scottish Dyes, Limited, Grangemouth, Stirling, Scotland. Esterification of cellulose materials. 1,748,689; Feb. 25.
- Wylam, Birkett, Lancaster, J. E. G. Harris, Carlisle, England, and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Preparation of a reddish derivative of flavanthrone. 1,779,791; Oct. 28.
- Wylar, Joseph A. (See Snelling, W. O., and Wylar.)
- Wylar, Joseph A., Allentown, Pa., assignor to Trojan Powder Company, Artificial fuel. 1,752,935; Apr. 1.
- Wylar, Joseph A., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Concentrating nitrous gases. 1,765,254; June 17.
- Wylar, Max. (See Pope, R. W., and Wylar.)
- Wylar, Max, Blackley, assignor to British Dyestuffs Corporation, Limited, Manchester, England. Purifying quinoline and quinaldine. 1,750,082; Mar. 11.
- Wylar, Max, Blackley, Manchester, assignor to Imperial Chemical Industries, Limited, London, England. Sulphide dyes and making. 1,779,508; Oct. 28.
- Wylie, Ernest L., and E. H. Mohme, St. Louis, Mo. Anti-rattle device for motor vehicles. 1,777,344; Oct. 7.
- Wylie, Howard M., and H. E. Adams, assignors to Nash Engineering Company, South Norwalk, Conn. Vacuum steam heating system. 1,745,822; Feb. 4.
- Wylly, Henry F., Jr., assignor of one-half to E. B. Busbee, Atlanta, Ga. Serving fork. 1,747,039; Feb. 11.
- Wyman, Bertha, et al. (See Weigant, Casper, assignor.)
- Wyman, Charles A., Auburn, Wash. Baking oven. 1,786,142; Dec. 23.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Electrical apparatus. 1,770,504; July 15.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Electrical apparatus. 1,770,723; July 15.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Temperature indicator. 1,773,655; Oct. 14.
- Wyman, Frank E., Faunce, Minn. Transmission. 1,742,744; Jan. 7.
- Wyman, Frank E., Faunce, Minn. Differential mechanism. 1,757,069; May 6.
- Wyman-Gordon Company. (See Damerell, Mark H., assignor.)
- Wyman-Gordon Company. (See Oldson, John A., assignor.)
- Wyman, Robert E., Billerica, Mass. Portable hoist. 1,766,968; June 24.
- Wyndham, James N. and S. L., Cardiff, Wales. Boiler-feed-water heater. 1,749,654; Mar. 4.
- Wyndham, John H., Leicester, assignor to Dale Forty and Company, Limited, Birmingham, England. Wheel skate or the like. 1,768,228; June 24.
- Wyndham, Stephen L. (See Wyndham, James N. and S. L.)
- Wynkoop, Francis Y., Denver, Colo. Signal cap for pneumatic tires. 1,756,273; Apr. 29.
- Wynkoop, William A., Portland, Oreg. Ventilating joist pocket. 1,769,564; July 1.
- Wynn, Thomas T., New York, N. Y. Combined dial and hands for a timepiece. Des. 81,038; Apr. 22.
- Wynn, Thomas T., New York, N. Y. Hand for a timepiece or similar article. Des. 81,039; Apr. 22.
- Wynn, Thomas T., New York, N. Y. Dial of a timepiece or similar article. Des. 81,040; Apr. 22.
- Wynn, Thomas T., New York, N. Y. Hand for a timepiece or similar article. Des. 81,041; Apr. 22.
- Wynn-Williams, Llewelyn, Darlington, England. Railway-switch mechanism. 1,758,637; May 13.
- Wynne, Thomas N., Indianapolis, Ind. Coal spreader. 1,759,877; May 27.
- Wyoming Shovel Works, The. (See Webster, Lewis E., assignor.)
- Wyre, Dwight E., Wausau, Wis. Dry battery. 1,761,098; June 3.
- Wyse, Robert T., Pittsburgh, Pa. Chimney hopper for incinerators. 1,755,089; Apr. 15.

- Wysong, Ansel S., assignor of one-half to H. L. Wells, Chicago, Ill. Piston. 1,781,207; Nov. 11.
- Wysong, James R., assignor to Larus & Brother Company, Richmond, Va. Package conveying, closing, and sealing machine. 1,763,493; June 10.
- Wysong, James R., assignor to Larus & Brother Co., Richmond, Va. Tobacco measuring and feeding device. 1,763,546; June 10.
- Wyss, Alfred U., Port Washington, and W. R. Kern, Mount Vernon, assignors to R. W. Cramer & Company, Inc., New York, N. Y. Medicating apparatus. 1,771,366; July 22.
- Xardell, Charles A., assignor to The Bossert Corporation, Utica, N. Y. Handle for manually-propelled implements. 1,754,706; Apr. 15.
- Xippas, Socrates A., Buffalo, N. Y. Frankfurter roaster. Des. 80,407; Jan. 21.
- Xylos Rubber Company, The. (See MacFarlane, Walter C., assignor.)
- Yacht- und Bootswerft Burmester m. b. H. (See Burmester, E., and Hein, assignors.)
- Yachyra, Frank J., Port Chester, N. Y. Door-holding device. 1,764,590; June 17.
- Yackley, Julius, Spokane, Wash. Combination cultivator, weeder, and pulverizer. 1,767,162; June 24.
- Yager, George F., assignor to The Bunting Brass & Bronze Company, Toledo, Ohio. Automatic turning machine. 1,773,085; Aug. 12.
- Yager, George F., assignor to The Bunting Brass & Bronze Company, Toledo, Ohio. Bushing arbor. 1,778,516; Oct. 14.
- Yager Sheet Metal Company. (See Irvin, William C., assignor.)
- Yagi, Hidetsugu, Sendai, Japan, assignor to Radio Corporation of America, New York, N. Y. Directive projecting system of electric waves. 1,745,342; Jan. 28.
- Yagoda, Rudolph, Old Forge, Pa. Battery connector. 1,768,017; June 24.
- Yaholnitsky, Metro, Rhein, Saskatchewan, Canada. Leaf-turning device. 1,768,018; June 24.
- Yahraus, Henry G. (See Wickersham, Harry P., assignor.)
- Yakunin, Andrew, Calgary, Alberta, Canada. Hermetically-closing-up device for cars. 1,785,291; Dec. 16.
- Yale, Chester. (See Schoenberger, Paul, assignor.)
- Yale, Milton, M., Montreal, Quebec, Canada. Air preheater. 1,777,065; Sept. 30.
- Yale & Towne Manufacturing Company, The. (See Brauning, Karl A., assignor.)
- Yale & Towne Manufacturing Company, The. (See Brauning, K. A., and Lawrence, assignors.)
- Yale & Towne Manufacturing Company, The. (See Heyer, Frederic K., assignor.)
- Yale & Towne Manufacturing Company, The. (See Lawrence, Alfred, assignor.)
- Yale & Towne Manufacturing Company, The. (See Maxwell, Maxwell C., assignor.)
- Yale & Towne Manufacturing Company, The. (See Potter, Robert S., assignor.)
- Yale & Towne Manufacturing Company, The. (See Rolph, Samuel F., assignor.)
- Yale & Towne Manufacturing Company, The. (See Stuebing, William, Jr., assignor.)
- Yamagishi, Hatsutarō, Taihokushi, Taiwan, Japan. Fitting fuses to firecrackers. 1,745,391; Feb. 4.
- Yamaki, Hikohachi. (See Fujii, S., Yamaki, and Ramos.)
- Yamamoto, Takejirō, Akashi, Hyogo, Japan. Intertwisted net having square-shaped meshes. 1,753,636; Apr. 8.
- Yancey, Archelous B., Pasadena, Calif. Latch. 1,785,468; Dec. 16.
- Yancey, William O., Chicago, Ill. Figure doll. 1,762,374; June 10.
- Yanchenko, Basil J., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Hosiery press. 1,756,498; Apr. 29.
- Yankee Metal Products Corp. (See Putterman, Benjamin, assignor.)
- Yanochwiski, George A., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Variable condenser. 1,772,598; Aug. 12.
- Yanss, George W., Adrian, Mich., assignor to American Chain Company, Inc. Automobile bumper. 1,745,966; Feb. 4.
- Yanss, George W., Adrian, Mich., assignor to American Chain Company, Inc. Automobile bumper. 1,745,967; Feb. 4.
- Yanss, George W., Adrian, Mich., assignor to American Chain Company, Inc. Fender guard. 1,745,968; Feb. 4.
- Yanss, George W., Bridgeport, Conn., assignor to American Chain Company, Inc. Automobile bumper. 1,748,096; Feb. 25.
- Yardley & Company. (See Hennequin, Henry H., assignor.)
- Yardley & Co., Ltd. (See Payton, Robert C., assignor.)
- Yares, Clement A. (See Cheslock, F. J., and Yares.)
- Yarnall, David R., Philadelphia, Pa. Continuous-surface blow-down system for boilers. 1,756,620; Apr. 29.
- Yarnall, David R., and J. Kildare, assignors to Yarnall-Waring Company, Philadelphia, Pa. Packing for plungers. 1,783,762; Dec. 2.
- Yarnall-Waring Company. (See Garrett, James W., assignor.)
- Yarnall-Waring Company. (See Yarnall, D. R., and Kildare, assignors.)
- Yarrow, Harold E., Glasgow, Scotland. Superheater for water-tube boilers. 1,771,944; July 29.
- Yashima, Yuka. (See Nagao, Masa, assignor.)
- Yassenoff, Isidor, Detroit, Mich. Device for equalizing stresses. 1,765,749; June 24.
- Yates American Machine Company. (See Johnson, Wallace D., assignor.)
- Yates, Arthur T., assignor to Buffalo Forge Company, Buffalo, N. Y. Bending machine. 1,743,418; Jan. 14.
- Yates, Charles E. (See Macan, H. C., Yates, and Shakespeare.)
- Yates, Charles H., Birmingham, England. Gasket or jointing washer. 1,772,173; Aug. 5.
- Yates, Frederick C., New York, N. Y. Ball retainer for antifriction bearings. 1,767,107; June 24.
- Yates & Grant, Inc. (See Forbes, John S., assignor.)
- Yates, Horace C., and F. L. Hann, Mount Vernon, Iowa. Adhesive-tape dispenser. 1,759,599; May 20.
- Yates, James W., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Time recorder. 1,755,906; Apr. 22.
- Yates, John C., Baltimore, Md. Spoon hook. 1,754,073; Apr. 8.
- Yates, John C., Baltimore, Md. Spoon hook. 1,763,031; June 10.
- Yates, John E., Harvey, Ill. Portable file and stationery cabinet. 1,745,392; Feb. 4.
- Yates, John W., assignor, by mesne assignments, to General Laboratories, Inc., Madison, Wis. Sterilization. 1,754,251; Apr. 15.
- Yates Lumber Company. (See Allen, Charles H., assignor.)
- Yates, Paul C., assignor of one-fourth to W. F. Woodul, Houston, Tex. Airfoil. 1,786,472; Dec. 30.
- Yates, Wallace J., Martinez, assignor to Shell Development Company, San Francisco, Calif. Spray oil. 1,778,239; Oct. 14.
- Yates, Wallace J., Martinez, assignor to Shell Development Company, San Francisco, Calif. Spray oils. 1,778,240; Oct. 14.
- Yawman & Erbe Mfg. Co. (See Clark, James R., assignor.)
- Yawman & Erbe Manufacturing Co. (See Dickinson, John D., assignor.)
- Yawman & Erbe Manufacturing Company, The. (See Furlong, Roland A., assignor.)
- Yawman & Erbe Manufacturing Co. (See Schulz, George W., assignor.)
- Yawman and Erbe Mfg. Co. (See Wing, Stephen R., assignor.)
- Yaxley Manufacturing Company. (See Hall, Arthur, assignor.)
- Yazel, Jacob B., Marion, Ohio. Exhaust connection. 1,780,693; Nov. 4.
- Yeager, Anton J., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Camp stove. 1,742,458; Jan. 7.
- Yeager, Anton J., assignor to Prentiss-Wabers Products Co., Wisconsin Rapids, Wis. Vapor-stove construction. 1,749,174; Mar. 4.
- Yeager, Dora M. (See Walters, C. W., and Yeager.)
- Yeager, Frank W., Grantwood and W. P. Schulz, Guttenberg, N. J., assignors to The Barrett Company. Shingle-locking device. 1,757,351; May 6.
- Yeager, Henry M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Condenser. 1,773,249; Aug. 19.
- Yeager, Henry M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Mounting for radiators. 1,775,112; Sept. 9.
- Yeager, John H., assignor to The Reliance Electric and Engineering Company, Cleveland, Ohio. Dynamo-electric machine. 1,772,655; Aug. 12.
- Yeager, Roy V., Des Moines, Iowa. Apparatus for fire-proofing structural metal. 1,779,721; Oct. 28.
- Yecker, Joseph C., Lancaster, Pa. Glider plane. 1,787,297; Dec. 30.
- Yeggy, George A. (See Joseph, Harry F., assignor.)
- Yellow Truck & Coach Company. (See Jantsch, Victor, assignor.)
- Yellow Truck and Coach Manufacturing Company. (See Ball, Charles O., assignor.)
- Yellow Truck and Coach Manufacturing Company. (See Bock, Carl J., assignor.)
- Yellow Truck & Coach Manufacturing Company. (See Daubner, George H., assignor.)
- Yellow Truck and Coach Manufacturing Company. (See Lane, Edwin G., assignor.)
- Yellow Truck & Coach Manufacturing Company. (See Schjolin, Eric O., assignor.)
- Yencha, Albert S., and J. A. Forish, Unity Township, Westmoreland County, Pa. Post-pulling device. 1,746,920; Feb. 11.
- Yencha, Albert S., and J. A. Forish, Unity Township, Westmoreland County, Pa. Post-pulling device. 1,774,308; Aug. 26.
- Yeo, Samuel P., Philadelphia, Pa. Depository device. 1,760,462; May 27.
- Yeoman, George W. (See Dorgan, Albert W., assignor.)
- Yeomans Concrete Tie, Inc. (See Yeomans, Wallace C., assignor.)
- Yeomans, Fred H., Detroit, Mich. Spacing strip for bottle-shipping crates. 1,761,459; June 3.
- Yeomans, Lucien I., assignor to Lucien I. Yeomans, Incorporated, Chicago, Ill. Conveyer. 1,758,994; May 20.
- Yeomans, Lucien I., Incorporated. (See Yeomans, Lucien I., assignor.)

- Yeomans, Wallace C., Portland, Oreg., assignor to Yeomans Concrete Tie, Inc. Concrete tie. 1,778,618; Oct. 14.
- Yerga, Akos A., and M. Evanowff, Hammond, Ind. Ice-box attachment. 1,749,054; Mar. 4.
- Yerges Manufacturing Company, The. (See Zimmerman, Harry, assignor.)
- Yerk, Henry H., and W. J. Baumberger, Davenport, Iowa, assignors to Micro Machine Company, Bettendorf, Iowa. Grinding machine. 1,766,161; June 24.
- Yerk, Henry H., and W. J. Baumberger, Davenport, assignors to Micro Machine Company, Bettendorf, Iowa. Grinding machine. 1,780,288; Nov. 4.
- Yerkes, Gabrielle M. P., Brooklyn, N. Y. Sewing machine. 1,747,749; Feb. 18.
- Yerkes, John A. (See Brett, Henry E., assignor.)
- Yerkes, John A., Long Beach, Calif. Pumping apparatus. 1,745,566; Feb. 4.
- Yerkes, John A., Long Beach, Calif. Valve cage. 1,777,539; Oct. 7.
- Yerkovich, Mirko S., San Francisco, Calif. Letter envelope sheet. 1,751,610; Mar. 25.
- Yerrick, William D., Worcester, Mass., and J. W. Peck, New York, N. Y., assignors to Riley Stoker Corporation, Worcester, Mass. Traveling-grate stoker. 1,761,029; June 3.
- Yett, Porter W., Portland, Oreg. Method of and apparatus for charging concrete mixers. 1,775,745; Sept. 16.
- Yett, Porter W., Portland, Oreg. Portable proportioning machine. 1,775,746; Sept. 16.
- Yetta, Michael D., Connorsville, Ind. Optical exerciser. 1,770,448; July 15.
- Yetter, Edward J., Denver, Colo. Garter or stocking supporter. 1,765,815; June 24.
- Yewdall, Clifford, Great Neck, N. Y. Matrix for composing machines. 1,767,829; June 24.
- Yewell, Edwin L. (See Davis, C. D., and Yewell.)
- Yewell, Edwin L. (See Wilson, Leon A., assignor.)
- Yiakoumis, Andrew P., New York, N. Y. Cutting machine. 1,747,410; Feb. 18.
- Yinger, Lawrence N., Zanesville, Ohio. Ceramic-tile-mounting machine. 1,763,494; June 10.
- Yingling, Frank B., Hamilton, Ohio. Multicolor-tile assembling and pasting machine. 1,745,823; Feb. 4.
- Yingling, Frank B., assignor to The Ceramic Machinery Company, Hamilton, Ohio. Friction tile press. 1,758,772; May 13.
- Yingling, Frank B., assignor to The Ceramic Machinery Company, Hamilton, Ohio. Hydraulic pump. 1,775,612; Sept. 9.
- Yingling, John C., Belleville, Ill. Safety guard for hooks and the like. 1,753,326; Apr. 8.
- Yirkosky, Nicholas. (See Kudrna, F., jr., and Yirkosky.)
- Yocum, Charles F., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Bucket cleaner for trenching machines. 1,744,853; Jan. 28.
- Yocum, Elmer L., Shamokin, and R. T. Wardrop, Bear Gap, Pa. Switch for directional signals. 1,753,078; Apr. 1.
- Yoder, Arthur T., Ontonagon, Mich. Adjustable making board and flow deflector. 1,771,600; July 29.
- Yoder, Carl M., Lakewood, Ohio. Machine for and process of forming metal into shapes. 1,770,963; July 22.
- Yoder, Howard D., assignor to Penberthy Injector Company, Detroit, Mich. Flexible coupling for pumps. 1,786,810; Dec. 30.
- Yoder, Lee A. (See Lidke, Otto F., assignor, and George E. Lidke.)
- Yoder-Morris Company, The. (See Morris, Howard I., assignor.)
- Yoder Pencil Company, The. (See Becker, Bernard C., assignor.)
- Yoder Pencil Company, The. (See Morris, Howard I., assignor.)
- Yohe, Lester N., New Oxford, Pa. Aeroplane-glider fuselage. 1,754,733; Apr. 15.
- Yohe, Merrill A., New Oxford, Pa. Toy whistle. 1,775,150; Sept. 9.
- Yohe, Perry P., Minneapolis, Minn., assignor to Koehring Company, Milwaukee, Wis. Mixing machine. 1,760,101; May 27.
- Yohe, Perry P., and W. Christie, Windom, Minn., assignor to Koehring Company, Milwaukee, Wis. Timing device. 1,759,638; May 20.
- Yoho, Walter A. (See Clark, John L., assignor.)
- Yokley, Orange E., East Bernstadt, Ky. Railroad tie. 1,769,089; July 1.
- Yokota, Isao, Tokyo, Japan, assignor to General Electric Company. Leakage-flux shield for dynamo-electric machines. 1,769,816; July 1.
- Yolles, Jacob. (See Jones, L. L., and Yolles.)
- Yonan, Joseph H., New Britain, Conn. Electric wind-shield heater. 1,768,727; July 1.
- Yonekura, Tario, Takaoka, Fuji-Gun, Japan. Cylinder mold of paper-making machines. 1,782,281; Nov. 18.
- Yonkese, Joseph G., Carregidor, P. I. Pontoon for air-planes. 1,747,563; Feb. 18.
- Yonkese, Joseph G., Brooklyn, N. Y. Control mechanism for aircraft. 1,747,564; Feb. 18.
- Yonkese, Joseph G., Brooklyn, N. Y. Empennage structure for aircraft. 1,747,565; Feb. 18.
- Yonkese, Joseph G., Brooklyn, N. Y. Fuel control and balancing system. 1,776,877; Sept. 30.
- Yordon, John C., Queens Village, assignor to Laminated Shim Company, Inc., Long Island City, N. Y. Shim and shim pack. 1,768,652; July 1.
- Yordon, John C., Queens Village, assignor to Laminated Shim Company, Inc., Long Island City, N. Y. Babbitted shim and making the same. 1,768,653; July 1.
- York Heating and Ventilating Corporation. (See Lewis, A. T., and French, assignors.)
- York Heating and Ventilating Corporation. (See Lewis, A. T., Gant, and Taliaferro, assignors.)
- York Ice Machinery Corporation. (See Light, Albert T., assignor.)
- York Ice Machinery Corporation. (See Rosenmiller, Joseph L., assignor.)
- York Ice Machinery Corporation. (See Schurman, John, assignor.)
- York, Victor, Whittier, Calif. Expansive reamer. 1,778,442; Oct. 14.
- Yorke, Patrick H. (See McCool, George C., assignor.)
- Yoshida, Yasujiro, Los Altos, Calif. Lamp. Des. 80,300; Jan. 7.
- Yoshimura, Sotou, Shanghai, China. Duplicating ribbon mechanism. 1,761,460; June 3.
- Yoshioka, Elzo, Ochiai-Machi, Toyotama-Gori, Tokyo-Fu, Japan. Buoyant and oilproof India rubber. 1,744,602; Jan. 21.
- Yoshiyasu, Kyohel, Tokyo, Japan, assignor to General Electric Company. Rheostat. 1,773,609; Aug. 19.
- Yost, Charles L. (See Folkerts, H., and Yost.)
- Youman, Burt C. (See Goranson, H., David, and Youman.)
- Young, Adam P. (See Malone, John P., assignor.)
- Young, Allan M., and F. W. Cuffe, assignors to Manning, Bowman & Co., Meriden, Conn. Temperature indicator for waffle irons. 1,776,606; Sept. 23.
- Young, Alvah D., New York, N. Y. Hand protector. 1,747,097; Feb. 11.
- Young, Andrew P., Pleasantville, N. Y. Supplemental lock for motor-car doors. 1,764,487; June 17.
- Young, Arthur P., Kenilworth, and J. H. Butcher, Rugby, England, assignors to General Electric Company. Telephone device. 1,758,813; May 13.
- Young, Arthur P., and J. Hutt, deceased; C. E. Hutt, Kenilworth, England, executrix, assignors to General Electric Company. Sound-reproducing device. 1,759,725; May 20.
- Young, Bernard, San Pedro, Calif. Piston ring. 1,767,498; June 24.
- Young, Bernard, San Pedro, Calif. Piston ring. 1,768,470; June 24.
- Young Brothers Company. (See Fox, Vernie A., assignor.)
- Young, Cecil G., Dover, N. J. Apparatus for loading explosives. 1,778,783; Oct. 21.
- Young, Cecil R. B., Hamburg, Germany. Purifying natural and artificial matter. 1,786,383; Dec. 23.
- Young, Charles D., Wayne, Pa. Loading and unloading apparatus. 1,785,167; Dec. 16.
- Young, Charles D., Wayne, Pa. Loading and unloading apparatus. 1,785,168; Dec. 16.
- Young, Charles D., Wayne, Pa. Ramp-rail construction. 1,785,169; Dec. 16.
- Young, Charles M., jr., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Loader and sealing means therefor. 1,772,696; Aug. 12.
- Young, Charles O., Charleston, W. Va., assignor to Carbide & Carbon Chemicals Corporation. Production of halogen substitution products of olefines. 1,752,049; Mar. 25.
- Young, Charles O., Jackson Heights, N. Y., assignor to Carbide & Carbon Chemicals Corporation. Manufacture of esters from aldehydes. 1,785,166; Dec. 16.
- Young, Charles O., and S. D. Douglas, Charleston, W. Va., assignors to Carbide & Carbon Chemicals Corporation. Polymerizing vinyl compounds. 1,775,882; Sept. 16.
- Young, Clarence H., Boston, Mass. Skid. 1,749,270; Mar. 4.
- Young, Daniel J., assignor to Young-Whitwell Gas Process Company, Tacoma, Wash. Back-run process of making water gas. 1,751,501; Mar. 25.
- Young, Daniel J., assignor to Young-Whitwell Gas Process Co., Tacoma, Wash. Making uncarbureted water gas. 1,751,502; Mar. 25.
- Young, Daniel J., assignor to Young-Whitwell Gas Process Company, Tacoma, Wash. Gas manufacture. 1,751,503; Mar. 25.
- Young, Daniel J., assignor to Young-Whitwell Gas Process Co., Tacoma, Wash. Apparatus for the manufacture of illuminating gas. 1,751,784; Mar. 25.
- Young, Daniel J., assignor to Young-Whitwell Gas Process Company, Tacoma, Wash. Gas-making process. 1,751,849; Mar. 25.
- Young, David H., assignor to Westcott Hosiery Mills, Dalton, Ga. Knitted fabric. 1,759,561; May 20.
- Young, Donald H., Berkeley, Calif., assignor to American Manganese Steel Company, Chicago, Ill. Choker hook for logging industry. 1,764,135; June 17.
- Young, Ernest A. (See Alvey, G. H., and Young.)
- Young, Ernest A., assignor to Uvalde Rock Asphalt Company, San Antonio, Tex. Nonskid paving surface construction. 1,779,955; Oct. 28.
- Young, Ernest A., and G. H. Alvey, San Antonio, assignor to Uvalde Rock Asphalt Company, Beaumont, Tex. Paving material and preparing same. 1,779,954; Oct. 28.
- Young, Eugene M. (See Bradley, L. L., and Young.)
- Young, Floyd S., assignor to May Seed & Nursery Co., Shenandoah, Iowa. Tire or similar article. Des. 82,867; Dec. 16.

- Young, Frank, Logansport, Ind. Roof flashing. Re17,818; Sept. 30.
- Young, Frank A., and R. H. Boardman, assignors, by mesne assignments, to Connecticut Telephone & Electric Corporation, Meriden, Conn. Electric snap switch. 1,782,836; Nov. 25.
- Young, Frank L. (See Shoemaker, W. D., and Young.)
- Young, Frank L., assignor to W. D. Shoemaker, Washington, D. C. Extension-clutch control for tractor equipment. 1,783,324; Dec. 2.
- Young, Frank W., Verona, N. J. Game apparatus. 1,778,410; Oct. 14.
- Young, Frank W., Verona, N. J. Method of and apparatus for applying cake reinforcements. 1,780,732; Nov. 4.
- Young, Frank W., Verona, N. J. Filtering device. 1,780,777; Nov. 4.
- Young, Fred M., Racine, Wis. Space heater. 1,753,587; Apr. 8.
- Young, Fred M., Racine, Wis. Radiator. 1,758,638; May 13.
- Young, Frederick N., Claremont, N. H. Staple and nail extractor. 1,760,804; May 27.
- Young, George W. (See MacDuffee, R. J., and Young.)
- Young, George W., London, England. Antidazzle screen for motor vehicles. 1,766,162; June 24.
- Young, Harold E., et al. (See Carroll, Edward L., assignor.)
- Young, Harry A., Cross Plains, Tex. Fishing tool. 1,762,006; June 3.
- Young, Henry S., Wilkesburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical controlling apparatus. 1,744,821; Jan. 28.
- Young, Horace J., Westminster, assignor of one-half to Swan, Hunter & Wigham Richardson Limited, New Castle-upon-Tyne, England. Regeneration or purification of lubricating oils. 1,752,050; Mar. 25.
- Young, Howard F., Kalamazoo, Mich. Concrete beam. 1,764,134; Jan. 17.
- Young, Howard P., assignor to F. F. Slocomb & Co., Inc., Wilmington, Del. Leather-measuring machine. 1,767,499; June 24.
- Young, Hoylande D., Chicago, Ill. Derivative of glycol. 1,786,404; Dec. 23.
- Young, Hugh E., Chicago, Ill., assignor of one-half to E. S. Taylor. Storage system. 1,775,799; Sept. 16.
- Young Iron Works. (See Hansen, Arthur E., assignor.)
- Young, Irvin L., Chicago, Ill. Web-treating machine. 1,742,295; Jan. 7.
- Young, Jacob J., Buffalo, N. Y. Calipers. 1,786,325; Dec. 23.
- Young, John A., Torrance, Calif., assignor, by mesne assignments, to The National Supply Company, Toledo, Ohio. Rotary gear draw works. 1,775,664; Sept. 16.
- Young, John C. (See McDonald, A., and Smith, assignors.)
- Young, John C. (See Smith, William O., assignor.)
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Combination tearing-strip and friction-closure can. 1,750,251; Mar. 11.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 1,754,452; Apr. 15.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Internal-collar can. 1,770,378; July 15.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Apparatus for applying inert gas to filled cans. 1,770,379; July 15.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Apparatus for vacuumizing and gassing cans. 1,770,380; July 15.
- Young, L. A. Company. (See Link, Albert C., assignor.)
- Young, L. A., Company. (See Link, R. A., and Harders, assignors.)
- Young, L. A., Spring & Wire Corporation. (See Brandt, Gustav O., assignor.)
- Young, L. A., Spring & Wire Corporation. (See O'Brien, Falconer, assignor.)
- Young, L. A., Spring & Wire Corporation. (See Oldham, John M., assignor.)
- Young, L. A., Spring and Wire Corporation. (See Stackhouse, George A., assignor.)
- Young, L. A., Spring & Wire Corporation. (See Van Hove, Desire H., assignor.)
- Young, Lafayette, Alton, Ill., assignor to Laclede Steel Company, St. Louis, Mo. Apparatus for jarring ingot molds. 1,785,757; Dec. 23.
- Young, Lee C., assignor to Western Wire Products Co., St. Louis, Mo. Pipe-vise stand. 1,784,264; Dec. 9.
- Young, Leland G., Muscatine, Iowa. Clothes drier. 1,783,488; Dec. 2.
- Young, Leo C., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Multiphase cornet system. 1,766,050; June 24.
- Young, Louis H., Hornell, N. Y. Radiator cover. 1,777,241; Sept. 30.
- Young, Marvin S., New York, N. Y. Combination discharge and inflow control means. 1,772,474; Aug. 2.
- Young, Mathias C., Muskegon, Mich. Carrier. 1,774,863; Sept. 2.
- Young, Nicholas A. (See Stover, P. A., and Young.)
- Young, Osmond & Young Limited. (See Petrie, David G., assignor.)
- Young, Porus J., Bomont, W. Va. Swimming appliance. 1,752,051; Mar. 25.
- Young, Ralph P. (See Kramer, Henry W., assignor.)
- Young, Ralph P., Marlboro, N. Y. Handle for baskets. 1,775,504; Sept. 9.
- Young, Robert S., New Brighton, N. Y. Holder for paper slips. 1,782,185; Nov. 18.
- Young, Ross W., Oakland, Calif. Pliers. 1,765,783; June 24.
- Young, Ruby R. (See Olson, J. B., and Young.)
- Young, Thomas L., Seattle, Wash. Roll-paper dispenser. 1,744,291; Jan. 21.
- Young, Thomas L., Seattle, Wash. Converting machine. 1,744,292; Jan. 21.
- Young, W. J., Machinery Company. (See Young, William J., assignor.)
- Young, Walter D., Flint, Mich. Hood catch. 1,784,475; Dec. 9.
- Young, Walter H. (See Eckland, E. O., and Young.)
- Young-Whitwell Gas Process Company. (See Steere, Frank W., assignor.)
- Young-Whitwell Gas Process Company. (See Whitwell, George E., assignor.)
- Young-Whitwell Gas Process Company. (See Young, Daniel J., assignor.)
- Young, William B., Pulaski, Va. Adjustable mounting for electric bulbs. 1,763,495; June 10.
- Young, William J., Cleveland, Ohio. Roofing construction. 1,752,827; Apr. 1.
- Young, William J., assignor to W. J. Young Machinery Company, Lynn, Mass. Heel-nailing machine. 1,756,999; May 6.
- Young, William J., Peabody, assignor to W. J. Young Machinery Company, Lynn, Mass. Machine for making counters. 1,768,499; June 24.
- Young, William L. (See Altice, G. F., and Young.)
- Young, William R. (See De Reamer, F. C., and Young.)
- Youngberg, Theodore, Minneapolis, Minn. Indicating device. 1,764,063; June 17.
- Youngblood, William F., Denver, Colo. Radio program reminder. 1,759,080; May 20.
- Youngblood, Daniel B., Caledonia, Mich. Truck body. 1,781,208; Nov. 11.
- Youngblood, David F., San Antonio, Tex. Combination lavatory and toilet seat. Des. 81,217; May 20.
- Youngblood, David F., San Antonio, Tex. Lavatory and toilet seat. 1,771,945; July 29.
- Youngblood, David F., San Antonio, Tex. Jail. 1,785,469; Dec. 16.
- Youngblood, David F., San Antonio, Tex. Master operating mechanism for cell doors and locks. 1,785,470; Dec. 16.
- Youngblood, David F., San Antonio, Tex. Master control system for cell doors and locks. 1,785,471; Dec. 16.
- Youngblood, John R., New Orleans, La., assignor of one-fourth to M. J. Sweeney, St. Louis, Mo. Telegraph transmitter. 1,742,296; Jan. 7.
- Youngblood, John R., New Orleans, La., assignor to one-fourth to M. J. Sweeney, St. Louis, Mo. Telegraph transmitter. 1,742,297; Jan. 7.
- Youngdahl, George A. (See Cabrera, Alfred B., assignor.)
- Younge, Torleif, assignor to The Sterling Company, Chicago, Ill. Lady's dress. Des. 81,771; Aug. 5.
- Yonger, Dwen R., assignor of one-half to E. L. Younger, Woodland, Calif. Fuel-feeding device. 1,782,592; Nov. 25.
- Younger, Earl L. (See Younger, Dwen R., assignor.)
- Younghusband, James L., Chicago, Ill. Container for cosmetic powder. 1,744,191; Jan. 21.
- Younghusband, James L., Chicago, Ill. Loose-powder compact. 1,744,293; Jan. 21.
- Younghusband, James L., Chicago, Ill. Loose-powder container. 1,775,182; Sept. 9.
- Younghusband, James L., Chicago, Ill. Cosmetic-powder compact. 1,775,183; Sept. 9.
- Younghusband, Kenneth, Hawarden, Wales. Heating of the rolls of metal-rolling mills. 1,776,607; Sept. 23.
- Youngken, Ben N., Los Angeles, Calif., assignor to The National Supply Company of Delaware, New York, N. Y. Air-cooled brake rim for rotary draw works. 1,763,078; June 10.
- Youngtown Pressed Steel Company, The. (See Clark, Carl L., assignor.)
- Youngtown Pressed Steel Co., The. (See Clark, C. L., and Galbreath, assignors.)
- Youngtown Pressed Steel Company, The. (See Stanitz, Jacques, assignor.)
- Youngtown Pressed Steel Company, The. (See Winter, John R., assignor.)
- Youngtown Steel Door Company, The. (See Barrows, Allan S., assignor.)
- Youngtown Steel Door Co., The. (See Barrows, Allan S., assignor.)
- Youngtown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
- Youngtown Steel Door Company. (See McWilliams, John P., assignor.)
- Younie, Lewis E., assignor to Electric Steel Foundry Company, Portland, Oreg. Drag bucket. 1,751,967; Mar. 25.
- Younie, Lewis E., assignor to Electric Steel Foundry Company, Portland, Oreg. Dipper-tooth structure. 1,775,984; Sept. 16.
- Yount, Clarence B., near Dayton, Ohio. Water-softening apparatus. 1,749,622; Mar. 4.
- Yount, Miles F., Beaumont, Tex. Flame arrester. 1,755,624; Apr. 22.

- Yowell, O. P., et al. (See Kammerdiner, James A., assignor.)
- Ypsilanti Reed Furniture Company. (See Chapman, Fred A., assignor.)
- Ytterberg, Arle, Hogberget, Ludvika, and I. Herlitz, Magnet, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Exciting means for direct-current generators. 1,787,028; Dec. 30.
- Yuasa, Toichiro, Tokyo, Japan. Automatic filaturing machine. 1,751,968; Mar. 25.
- Yuba Manufacturing Company. (See Thompson, Harlan, assignor.)
- Yucius, Casimir, Chicago, Ill. Sugar-dispensing apparatus. 1,763,118; June 10.
- Yugawa, George G., New York, N. Y. Shoe lace and fastening therefor. 1,775,013; Sept. 2.
- Yungling, Paul F., Los Angeles, Calif. Guide for fishes. 1,779,792; Oct. 28.
- Yungling, Paul, Los Angeles, Calif. Twist-off safety device. 1,779,793; Oct. 28.
- Yungling, Paul F., assignor to Scott-Ross and Company, Los Angeles, Calif. Well packer. 1,764,136; June 17.
- Yungling, Paul F., assignor to Scott-Ross & Company, Los Angeles, Calif. Fluid-operated pump. 1,764,482; June 17.
- Yurasits, John. (See Rusatz, Andrew, assignor.)
- Zabel, William P., Cleveland, Heights, Ohio, assignor to General Electric Company. Method and apparatus for mounting filaments. 1,752,828; Apr. 1.
- Zabriskie, Charles L., New York, N. Y., assignor, by mesne assignments, to Rogers Products Co., Inc. Grease gun. 1,750,148; Mar. 11.
- Zabriskie, Edgar, et al. (See Rosentreter, Albert J., assignor.)
- Zabriskie, William F., assignor to Gabriel Steel Company, Detroit, Mich. Securing clip for metallic lath. 1,752,517; Apr. 1.
- Zacharias, Fred, assignor to himself and A. C. Eggerts, Mineola, N. Y. Baker's pan. 1,754,812; Apr. 15.
- Zachos, Louis G., et al. (See Paul, Leonard B., assignor.)
- Zacsek, Stefan, Los Angeles, Calif. Urethral syringe. 1,763,079; June 10.
- Zadek, Arthur, New York, N. Y. Rattle with handle having flexible section. 1,753,493; Apr. 8.
- Zadek, Arthur, New York, N. Y. Rattle with sound-making attachment. 1,756,077; Apr. 29.
- Zademach, Erich R., Elizabeth, N. J. Nozzle construction. 1,756,965; May 6.
- Zademach, Erich R., Elizabeth, N. J., assignor, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio. Washing machine. Re17,673; May 20.
- Zadorozny, Mike, Charleston, W. Va., assignor to Libbey-Owens Glass Company, Toledo, Ohio. Sheet-glass apparatus. 1,753,766; Apr. 8.
- Zagarino, William C., and M. T. McDonald, Bellmore, N. Y. Battery-condition indicator. 1,744,064; Jan. 21.
- Zagorski, Johann, Frankfort-on-the-Main, Germany. Brake device for laying electrical open-air lines, cables, and the like. 1,764,591; June 17.
- Zahn, Joseph D., Lititz, Pa. Shade holder. 1,769,481; July 1.
- Zahn & Co., G. m. b. H. (See Klöhn, Ernst, assignor.)
- Zahn, John H. (See Stempel, Julius J., assignor.)
- Zahn, Karl. (See Kränzlein, G., Greune, Zahn, and Schmidt.)
- Zahn, Karl. (See Mayer, F., and Zahn.)
- Zahn, Karl. (See Thiess, K., Gmelin, and Zahn.)
- Zahn, Lawrence J., Long Island City, assignor to International Postal Supply Company, Brooklyn, N. Y. Check-indorsing machine. 1,744,432; Jan. 21.
- Zahn, Lawrence J., Long Island City, assignor to International Postal Supply Company, Brooklyn, N. Y. Check-indorsing machine. 1,783,990; Dec. 9.
- Zahn, Lawrence J., Long Island City, assignor to International Postal Supply Company, Brooklyn, N. Y. Printing-die structure. 1,783,991; Dec. 9.
- Zahn, Otto, Hanau-on-the-Main, Germany. Connection apparatus for the wires of head receivers for broadcasting. 1,755,757; Apr. 22.
- Zahn, Rudolf. (See Schmidt, M. P., Zahn, and Krieger.)
- Zahnradfabrik Aktiengesellschaft. (See Maier, Albert, assignor.)
- Zahnradfabrik Aktiengesellschaft. (See von Soden-Fraunhofen, Alfred G., assignor.)
- Zahonyi, Louis W., St. Paul, Minn. Highway-sign bracket. 1,770,564; July 15.
- Zahonyi, Louis W., St. Paul, Minn. Highway-sign bracket. 1,786,883; Dec. 30.
- Zahradnik, Eustach, Vienna, Austria. Dirigible headlight. 1,758,874; May 13.
- Zaidan Hojin Rikagaku Kenkyujo. (See Ohori, T., and Nakazawa, assignors.)
- Zaidan Hojin Rikagaku Kenkyujo. (See Okochi, M., and Ebihara, assignors.)
- Zaidan Hojin Rika Gaku Kenkyujo. (See Suzuki, T., and Sakurai, assignors.)
- Zaidan Hojin Rikagaku Kenkyujo. (See Takahashi, Katsumi, assignor.)
- Zaidan Hojin Rikagaku Kenkyujo. (See Suzuki, T., Tanaka, and Kurita, assignors.)
- Zaiden, David, assignor to Overland Products Corporation, Brooklyn, N. Y. Cleaning implement for windows and the like. 1,744,254; Jan. 21.
- Zaiden, Joseph R., Pittsburgh, Pa. Rumble seat and locking device. 1,751,378; Mar. 18.
- Zaikowsky, Wladimir M., Pasadena, Calif., assignor to Standard Oil Development Company. Internal-combustion engine. 1,781,146; Nov. 11.
- Zaikowsky, Wladimir M., Pasadena, Calif., assignor to Standard Oil Development Company, New York, N. Y. Supercharger for internal-combustion engines. 1,781,147; Nov. 11.
- Zaikowsky, Wladimir M., Pasadena, Calif., assignor to Standard Oil Development Company, New York, N. Y. Internal-combustion engine. 1,781,148; Nov. 11.
- Zajaczk, Joseph. (See Helezer, Walter, assignor.)
- Zajkowski, Walter J., Linoleumville, N. Y. Self filling and dumping truck. 1,742,798; Jan. 7.
- Zak, Joseph T., Milwaukee, Wis. Range-finding instrument. 1,747,207; Feb. 18.
- Zak, William, San Francisco, Calif. Vehicle nonskid tire. Des. 82,978; Sept. 9.
- Zalesky, Frank J., Buckholts, Tex. Vehicle. 1,766,233; June 24.
- Zalesky, Frank J., Buckholts, Tex. Agricultural implement. 1,787,228; Dec. 30.
- Zallio, John B., Chicago, Ill. Dish cover. 1,755,199; Apr. 22.
- Zallio, John B., Chicago, Ill. Dish cover. 1,755,200; Apr. 22.
- Zambelli, Raffaele, P. Sarchi, and L. Magri, Genoa, Italy. Charge-forming device. 1,774,218; Aug. 26.
- Zamboni, Frank J., Haynes, assignor to Nuway Electric Company, Los Angeles, Calif. Reactance coil. 1,750,149; Mar. 11.
- Zander, M. W., et al. (See Anglemeyer, Herman B., assignor.)
- Zang, Joseph, St. Louis, Mo. Cutting and flanging tool and method of flanging. Re17,746; July 22.
- Zangerle & Peterson Company. (See Anderson, Otto A., assignor.)
- Zangerle and Peterson Company, The. (See Christiansen, William F., assignor.)
- Zapanta, Vincente S., San Francisco, Calif. Lighting device. 1,779,110; Oct. 21.
- Zapart, Andrew, Brooklyn, N. Y. Direction indicator for automobiles. 1,749,459; Mar. 4.
- Zapert, Joseph, Brooklyn, N. Y. Combination key and dial lock. 1,752,407; Apr. 1.
- Zapf, Georg, Cologne-Mulheim, Germany. Paper insulation for electric cables and the like. 1,771,946; July 29.
- Zapf, Georg, Riehlerwall, Cologne, assignor to Felten & Guillaume Carlswerk Actiengesellschaft, Cologne-Mulheim, Germany. Submarine cable with pressure-protecting covering. 1,753,079; Apr. 1.
- Zarate, Guillermo L., et al. (See Breitling, Adolf, assignor.)
- Zarba, Joseph, East Boston, Mass. Straightedge and reinforcing device. 1,762,254; June 10.
- Zaremba Company. (See Eggert, William H., assignor.)
- Zarnke, Carl H., Kitchener, Ontario, Canada. Boot and shoe last mold. 1,746,297; Feb. 11.
- Zarobsky, Charles A., assignor to The Simplex Cap Company, Cleveland, Ohio. Closure. 1,762,852; June 10.
- Zaschka, Engelbert, Berlin-Neukolln, Germany. Helicopter. 1,779,524; Oct. 28.
- Zaslave, David, Chicago, Ill. False tooth. 1,743,873; Jan. 14.
- Zastrow Machine Company. (See Colbert, Clarence F., assignor.)
- Zatzkin, Jacob, assignor to Eagle Metalic Bed Corporation, Brooklyn, N. Y. Combined bed end and wardrobe. 1,776,608; Sept. 23.
- Zauder, Aaron, Brooklyn, N. Y. Container. 1,762,943; June 10.
- Zauner, Sebastian A., assignor of one-third to J. Maes, Seattle, Wash. Bag fastener. 1,743,509; Jan. 14.
- Zauner, William, Cleveland, Ohio. Resonator. 1,778,304; Oct. 14.
- Zavertnik, Joseph, jr. (See MacCubbin, A. A., and Zavertnik.)
- Zawyruchia, Lee Z., Macklin, Saskatchewan, Canada. Signal. 1,747,278; Feb. 18.
- Zaymusz, Illés, Budapest, Hungary. Thrashing machine. 1,750,083; Mar. 11.
- Zealand, George F., assignor of forty-nine one hundredths to S. W. Fales, Philadelphia, Pa. Message-displaying device. 1,780,054; Oct. 28.
- Zeamans, Harold R., New York, N. Y. Clear-vision automobile body construction. 1,784,265; Dec. 9.
- Zeb, Joseph, Oaksdale, Wash. Hydrostatic separating mechanism. 1,743,179; Jan. 14.
- Zeb, Joseph, Spokane, Wash. Pea or like material splitting mechanism. 1,783,489; Dec. 2.
- Zecher, Albert G., Yolando, assignor to Goldberg, Bowen & Company, San Francisco, Calif. Awning-supporting frame. 1,777,778; Oct. 7.
- Zecher, Granville R. (See Lewellen, D. E., and Zecher.)
- Zechlin, Max R., Detroit, Mich. Brake-testing apparatus. 1,775,541; Sept. 9.
- Zeder, James C., assignor to Chrysler Corporation, Detroit, Mich. Brake-pressure-testing machine. 1,777,423; Oct. 7.
- Zeeck, August D., New Haven, Conn., assignor to The Greist Manufacturing Company. Sewing-machine ruffler. 1,765,391; June 24.
- Zeh, Edward A., Passaic, assignor to Zeh, Incorporated, Clifton, N. J. Method and apparatus for coloring thin glass bodies. 1,767,108; June 24.
- Zeh, Incorporated. (See Zeh, Edward A., assignor.)

- Zeh, Ludwig. (See Duisberg, W., Hentrich, and Zeh.)
 Zeh, Ludwig. (See Hentrich, W., and Zeh.)
 Zeh, Ludwig. (See Kahn, M., Schepss, and Zeh.)
 Zeh, Ludwig. (See Kramer, E., Bollweg, and Zeh.)
 Zeh, Ludwig. (See Kramer, E., Zeh, and Bollweg.)
 Zeh, Ludwig. Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of binaphthylenedioxide-quinone. 1,749,014; Mar. 4.
 Zehnder, John L. (See Fay, A., and Zehnder.)
 Zehnder, Paul, assignor to the firm Internationale Siegwartbalkengesellschaft in Luzern, Lucerne, Switzerland. Device for the production of tubes, poles, and the like from reenforced concrete centrifugally. 1,752,626; Apr. 1.
 Zehnder, Paul, assignor to the firm Internationale Siegwartbalkengesellschaft in Luzern, Lucerne, Switzerland. Device for producing reenforced-concrete tubes by the action of centrifugal force. 1,752,627; Apr. 1.
 Zeidler Concrete Products Machinery Company, The. (See Schultz, Alfred W., assignor.)
 Zeidler, Richard A., Secaucus, N. J., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Ceiling fixture. Des. 81,908; Aug. 26.
 Zeidler, William A., Bronxville, N. Y. Scissors. 1,779,956; Oct. 28.
 Zeidler, William A., assignor to Hurlburt Research Corporation, New York, N. Y. Scissors. 1,778,346; Oct. 14.
 Zeier, Frederick F. (See Christensen, N. V., and Zeler.)
 Zeier, Frederick F., assignor to Union Special Machine Company, Chicago, Ill. Throat-plate support for sewing machines. 1,786,929; Dec. 30.
 Zellinger, John F., assignor to The Barker Manufacturing Company, Inc., David City, Nebr. Weeder. 1,765,392; June 24.
 Zellinger, John F., assignor to The Barker Manufacturing Company, Inc., David City, Nebr. Cultivator. 1,782,593; Nov. 25.
 Zein, Otto, Berlin, Germany. Tube expander. 1,752,408; Apr. 1.
 Zeindler, Werner, assignor to The Service Caster & Truck Co., Albion, Mich. Truck. 1,785,064; Dec. 16.
 Zeininger, Gustav A., Oberesslingen, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Acoustic signaling apparatus. 1,786,930; Dec. 30.
 Zeisberg, Fred C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. High concentration of nitric acid. 1,772,122; Aug. 5.
 Zeisberg, Fred C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. High concentration of nitric acid. 1,772,123; Aug. 5.
 Zeiss, firm: Carl. (See Hansen, Gerhard, assignor.)
 Zeiss, firm Carl. (See Hartinger, Hans, assignor.)
 Zeiss Firm, Carl. (See Meyer, Franz, assignor.)
 Zeiss, Firm of Carl. (See Köhler, August, assignor.)
 Zeiss, Firm of Carl. (See Mahler, Joseph, assignor.)
 Zeiss, firm of Carl. (See Merté, Willy, assignor.)
 Zeiss, firm of Carl. (See Pfeiffer, Franklin, assignor.)
 Zeiss, Firm of Carl. (See Richter, Robert, assignor.)
 Zeiss, The firm Carl. (See Pfeiffer, F., and Kühl, assignors.)
 Zeiss Ikon A-G. (See Hartinger, Hans, assignor.)
 Zeiss Ikon A-G., Goerzwerk. (See Bauersfeld, Walther, assignor.)
 Zeiss Ikon Aktiengesellschaft. (See Goldberg, Emanuel, assignor.)
 Zeiss Ikon Aktiengesellschaft. (See Goldberg, E., and Fischer, assignors.)
 Zeiss Ikon, Aktiengesellschaft Dresden. (See Goldberg, E., and Fischer, assignors.)
 Zeissl, Ignaz, assignor to Stern-Gesellschaft für Moderne Grundbautechnik m. b. H., Vienna, Austria. Pile. 1,780,807; Nov. 4.
 Zeithin, Louis, Philadelphia, Pa. Preparing hair. 1,766,476; June 24.
 Zell, David H., Brooklyn, N. Y. Vanity case or analogous article. Des. 82,868; Dec. 16.
 Zell, David H., Brooklyn, N. Y. Vanity case or analogous article. Des. 82,869; Dec. 16.
 Zell, David H., Brooklyn, N. Y. Vanity case. 1,749,656; Mar. 4.
 Zell, David H., Brooklyn, N. Y. Vanity case. 1,749,657; Mar. 4.
 Zell, David H., Brooklyn, N. Y. Decorative covering for vanity cases, coin banks, and other receptacles. 1,749,795; Mar. 11.
 Zell, David H., Brooklyn, N. Y. Vanity case. 1,750,984; Mar. 18.
 Zell, David H., Brooklyn, N. Y. Savings bank. 1,786,725; Dec. 30.
 Zell, David H., Brooklyn, N. Y. Savings bank. 1,786,811; Dec. 30.
 Zell, David H., New York, N. Y. Receptacle. 1,749,655; Mar. 4.
 Zell, David H., New York, N. Y. Vanity case. 1,750,983; Mar. 18.
 Zellmer, George R., Oshkosh, Wis., assignor to Morgan Woodwork Company, Wilmington, Del. Door construction. 1,778,443; Oct. 14.
 Zellstofffabrik Waldhof. (See Bernstein, Arnold, assignor.)
 Zellstofffabrik Waldof. (See Luhrs, Otto, assignor.)
 Zellweger, A. G. (See Hammer, Willibald, assignor.)
 Zelt, Elmer J., Fort Wayne, Ind., assignor to General Electric Company. Variable-voltage transformer. 1,752,873; Apr. 1.
 Zenith Radio Corporation. (See Forbes, Henry C., assignor.)
 Zenker, Paul, Paris, assignor to Haviland & Co. (Societe Anonyme), Limoges, France. Plate or similar article. Des. 82,532; Nov. 11.
 Zenner, George H., New York, N. Y., assignor to The Linde Air Products Co. Neck ring for compressed-gas containers. 1,751,435; Mar. 18.
 Zénon, Yvan, Rosedale, N. Y. Lubricator for elevator and weight guides. 1,777,345; Oct. 7.
 Zent, Abram L., Dayton, Ohio. Coin-controlled apparatus. 1,782,250; Nov. 18.
 Zenthoefer, Joseph V. (See Sweetland, E. J., and Zenthoefer.)
 Zenthoefer, Joseph V., Hazleton, Pa., assignor, by mesne assignments, to Oliver United Filters Inc., San Francisco, Calif. 1,785,237; Dec. 16.
 Zentner, Paul H., Milwaukee, Wis. Safety turn light. 1,761,285; June 3.
 Zepp, Frank W., San Francisco, Calif. Terminal connector for electrical conductors. 1,780,289; Nov. 4.
 Zepp, Otto, Offenburg, Germany. Heating boiler. 1,778,205; Oct. 14.
 Zerbe, Lewis E. (See Timbs, E., and Zerbe.)
 Zerbe, Lewis E., Moneta, Calif., and M. T. Archer, Pittsburgh, Pa., assignors to Union Tool Company, Torrance, Calif. Apparatus for drilling wells. 1,785,238; Dec. 16.
 Zerbone, Remo, Turin, Italy. Device for fastening vehicle wheels. 1,777,242; Sept. 30.
 Zerk, Oscar U., Chicago, Ill. Lubricating means. 1,748,817; Feb. 25.
 Zerk, Oscar U., Chicago, Ill. Lubricating gun. 1,748,818; Feb. 25.
 Zerk, Oscar U., Chicago, Ill. Lubricating coupler. 1,748,819; Feb. 25.
 Zerk, Oscar U., Chicago, Ill. Lubricant gun. 1,749,727; Mar. 4.
 Zerk, Oscar U., Cleveland, Ohio, now by judicial change of name O. U. Zerk, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Forming and knurling metal bodies. 1,753,258; Apr. 8.
 Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,753,494; Apr. 8.
 Zeronator Limited. (See Stern, Louis J., assignor.)
 Zerweck, Werner. (See Kalischer, G., and Zerweck.)
 Zerweck, Werner, Fechenheim, near Frankfurt-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and making same. 1,758,385; May 13.
 Zerweck, Werner, Frankfurt-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works Inc., New York, N. Y. New brown vat dyestuffs of the anthraquinone series. 1,785,801; Dec. 23.
 Zerwig, Frank T., Ste. Genevieve, Mo. Wheel scraper. 1,782,085; Nov. 18.
 Zettergren, Birger, Stockholm, Sweden. Machine for kneading, crushing, and similar operations. 1,750,558; Mar. 11.
 Zetting, Rudolf P. (See Villarejo, Alfred E., assignor.)
 Zeug, William and L. Grimm, Muscatine, Iowa. Leak-preventing element for fire-hydrant caps. 1,777,243; Sept. 30.
 Zeumer, Gustav A., Markranstadt, Germany. Device for removing bristles from furs. 1,742,745; Jan. 7.
 Zeun, Louis H., Baltimore, Md. Printing machine. 1,761,380; June 3.
 Zeyen, Karl. (See Lex, Rudolf, assignor.)
 Zibelman, Frank A., Chicago, Ill. Duplicator. 1,745,969; Feb. 4.
 Zickerow, Karl, Lubeck, and C. Warnatz, Bad Schwartau, near Lubeck, assignors to Lubecker Maschinenbau-Gesellschaft, Lubeck, Germany. Tilting barge. 1,757,495; May 6.
 Zickmantel, Carl, Berlin, Germany. Eye protector. 1,743,510; Jan. 14.
 Zieburz, Henry C., Cleveland Heights, Ohio. Clothesline clamp or holder. 1,751,850; Mar. 25.
 Ziegler, Edward J. (See Woods, Philip J., assignor.)
 Ziegler, George, Bogota, N. J. Grate key. 1,784,772; Dec. 9.
 Zieley, John D., New York, F. A. Rudolf, Jamaica, N. Y., and J. C. Ryder, Passaic, N. J., assignors to Petroleum Derivatives, Inc., New York, N. Y. Treatment of shale. 1,773,839; Aug. 26.
 Zieley Processes Corporation. (See Gibb, John A., assignor.)
 Zielinski, Theodore A., Detroit, Mich. Windshield wiper. 1,756,618; Apr. 29.
 Zieman, Harry J., assignor to Empire Level Manufacturing Company, Milwaukee, Wis. Level. 1,757,283; May 6.
 Ziemmerman, Henry, assignor to Chicago Card Board Company, Chicago, Ill. One-piece folding display stand. 1,745,328; Jan. 28.
 Zieser, Waldemar. (See Lecher, H., and Zieser.)
 Zifferer, Lothar R., Columbia, Pa. Pipe hanger. 1,738,838; Aug. 26.
 Zifferer, Lothar R., Columbia, Pa. Expansion shield. 1,756,419; Apr. 29.
 Zifferer, Lothar R., Columbia, Pa. Pipe hanger. 1,772,062; Aug. 5.

- Zifferer, Lothar R., Columbia, Pa. Expansion bolt. 1,772,063; Aug. 5.
- Zifferer, Lothar R., Columbia, Pa. Expansion bolt. 1,772,064; Aug. 5.
- Zigenheim, Conrad, Hamilton, Ontario, Canada. Portable boring tool. 1,759,726; May 20.
- Zigler, Roy, Plymouth, Ohio. Antiglare device. 1,749,729; Mar. 4.
- Ziller, Corban H. (See Cordonnier, H. J., and Ziller.)
- Zilliox, John, Orchard Park, N. Y. Wrench. 1,764,379; June 17.
- Zillman, Ben V. (See Hughes, Leonard, assignor.)
- Zim, Jesse G., Medford, assignor of 15 per cent to J. F. Sheehan, Everett, 15 per cent to W. C. Gray, Cambridge, 15 per cent to L. W. Rich, Medford, and 10 per cent to J. P. Buckley, Boston, Mass. Proof-reader's table. 1,761,766; June 3.
- Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Center-discharge ore car. 1,765,519; June 24.
- Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load-discharging car. 1,768,728; July 1.
- Zimmer, Edward. (See Donnelly, W. J., and Zimmer.)
- Zimmer Manufacturing Company. (See Ettinger, Joe J., assignor.)
- Zimmerer, Frederick J., assignor to The Russell Manufacturing Company, Middletown, Conn. Webbing for suspenders, garters, and similar articles. Des. 81,424; June 17.
- Zimmerli, Charles, deceased; Security Trust Company, Rochester, N. Y., and S. A. Zimmerli, executors. Filing shelf. 1,770,119; July 8.
- Zimmerli, Franz P., Detroit, Mich., assignor to The Automatic Appliance Company, St. Louis, Mo. Viscosimeter. Re17,841; Oct. 21.
- Zimmerli, Sadie A., et al., executors. (See Zimmerli, Charles.)
- Zimmerman, Arthur G., Schenectady, N. Y., assignor to General Electric Company. Speech-current apparatus. 1,743,011; Jan. 7.
- Zimmerman, Arthur G., Schenectady, N. Y., assignor to General Electric Company. Apparatus for the interconversion of sound and electrical impulses. 1,774,465; Aug. 26.
- Zimmerman, Ernest F., Garden Grove, assignor of one-half to C. S. Crookshank, Santa Ana, Calif. Apparatus for the automatic control of motion-picture-projecting machines. 1,748,199; Feb. 25.
- Zimmerman, Frank M., Aurora, Ill. Label holder. 1,755,758; Apr. 22.
- Zimmerman, Fred D., Mount Clare, Nebr. Weather stripping. 1,745,237; Jan. 28.
- Zimmerman, Harry, Lakeland, Fla., assignor, by mesne assignments, to The Yerges Manufacturing Company, Fremont, Ohio. Stitching buffing wheel. 1,765,750; June 24.
- Zimmerman, Herman W. (See Wacker, G., and Zimmerman.)
- Zimmerman, James G., Madison, Wis. Color photography. 1,746,330; Feb. 11.
- Zimmerman, John W., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Font of type. Des. 80,819; Mar. 25.
- Zimmerman, John W., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Font of type. Des. 80,989; Apr. 15.
- Zimmerman, Martin D., Washington, D. C., and H. Pullen, Preston, Md. Musical instrument or similar article. Des. 82,123; Sept. 23.
- Zimmerman, Rufus E. (See Holden, J. H., O'Brien, Whetzel, and Zimmerman.)
- Zimmerman, Thomas. (See Strickland, S. A., and Zimmerman.)
- Zimmerman, William R., Cleveland, Ohio. Thermostatic valve. 1,774,537; Sept. 2.
- Zimmermann, William F., Waverly, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Locking device. 1,750,340; Mar. 11.
- Zimmermann, William F., Waverly, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Tool retainer for pneumatic tools. 1,787,229; Dec. 30.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Guide rail for shaping-machine worktables. 1,753,142; Apr. 1.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Shaping-machine work-table cross-rail guide. 1,753,143; Apr. 1.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Shaper feed mechanism. 1,764,092; June 17.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Stroke adjuster for idle shapers. 1,764,093; June 17.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Rail guide and clamping surface for shapers. 1,764,542; June 17.
- Zimmermann, William F., Maplewood, N. J., assignor to Gould & Eberhardt, Newark, N. J. Dial-reading axial adjustment for shaper feed. 1,772,445; Aug. 5.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Oiling system for shapers. 1,781,149; Nov. 11.
- Zimmers, Joseph B., Chicago, Ill. Drip and trim molding. 1,783,896; Dec. 2.
- Zindel, Ernst, assignor to H. Junkers, Dessau, Germany. Flying boat. 1,752,874; Apr. 1.
- Zingg, Werner. (See Fröhlich, H., and Zingg.)
- Zink, Fred W., assignor to Kales Stamping Company, Detroit, Mich. Lever. 1,748,690; Feb. 25.
- Zink, Fred W., assignor to Kales Stamping Company, Detroit, Mich. Mirror mounting. 1,748,691; Feb. 25.
- Zink, John S., Tulsa, Okla. Gas burner. 1,781,623; Nov. 11.
- Zink, Paul, et al. (See Boyd, Martin, assignor.)
- Zinke, Carl J., and Orwell C. Reeves, assignors to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,773,333; Aug. 19.
- Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Waste mechanism for plumbing fixtures. 1,758,270; May 13.
- Zinman, Albert G., Brooklyn, N. Y. Plug attachment. 1,749,623; Mar. 4.
- Zinn, Edward, New York, N. Y. Perpetual calendar. 1,774,864; Sept. 2.
- Zinn, F. H. (See Miles, Thomas A., assignor.)
- Ziun, Manvel K., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Maintaining constant transmission efficiency. 1,743,260; Jan. 14.
- Zinna, Antonino, St. Louis, Mo. Sterilizer. 1,744,854; Jan. 28.
- Ziola, Henry A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Cooker. 1,752,769; Apr. 1.
- Ziola, Henry A., Milwaukee, Wis., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio dial control. 1,787,298; Dec. 30.
- Zion, Miriam, New York, N. Y. Index system. 1,771,740; July 29.
- Zirkle, Charles E. (See Kelly, E. G., and Zirkle.)
- Zisch, George J., assignor to P. A. Sena and R. A. Ebert, Newark, N. J. Prepayment meter for radio apparatus. 1,755,681; Apr. 22.
- Zisch, Walter, Frankfurt-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Making oxygen preparations. 1,745,465; Feb. 4.
- Ziser, George J., Los Angeles, and J. H. Osmer, El Segundo, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Treating petroleum oils containing sulphur. 1,784,215; Dec. 9.
- Zito, Nick D. (See Lewis, E. E., Zito, and Fertitta.)
- Zitscher, Arthur. (See Laska, L., and Zitscher.)
- Zitscher, Arthur, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacturing aminonaphthol ethers. 1,784,408; Dec. 9.
- Zitzmann, George, Yonkers, assignor to Automatic Motor Control Corporation, New York, N. Y. Engine-testing gauge. 1,758,271; May 13.
- Zizzo, Charles, Newark, N. J. Folding seat for automobile doors. 1,759,878; May 27.
- Zobel, Frederick C., Brooklyn, N. Y. Rubberlike composition and making same. 1,786,281; Dec. 23.
- Zobel, Otto J., New York, N. Y., assignor to American Telephone and Telegraph Company. Electrical network. 1,760,973; June 3.
- Zobell Electric Motor Corporation. (See Parvin, Edward G., assignor.)
- Zocher, Curt, Leipzig, Germany. Foundation for embroidery. 1,773,158; Aug. 19.
- Zoeller, Milton G., Falls City, Nebr. Stock waterer. 1,786,049; Dec. 23.
- Zoercher, Karl J., Tell City, Ind. Breakfast-room chair. Des. 82,291; Oct. 14.
- Zola, Hector G., Cleveland, Ohio. Service device. 1,746,847; Feb. 11.
- Zokelt, Carl G. (See Molesworth, C. E., Dudman, and Zokelt.)
- Zolkowsky, Joseph, Menasha, Wis. Snap hook for automobile tire chains. 1,745,393; Feb. 4.
- Zoller, Arnold, Berlin, Germany. Two-stroke-cycle engine. 1,745,824; Feb. 4.
- Zoller, Emil J., Brooklyn, N. Y. Tin container with friction top and hinge cover. 1,755,042; Apr. 15.
- Zook, John S., assignor to Burgess Battery Company, Madison, Wis. Battery hand lamp. 1,763,874; June 17.
- Zoppini, Serafino. (See Rigollet, L., and Zoppini.)
- Zorbaugh, Josephine L. (See Adamson, Charles E., assignor.)
- Zornig, Hermann H., Newhall, Iowa, and A. F. Teitscheld, Wharton, N. J. Combination fuse for projectiles. 1,786,640; Dec. 30.
- Zotti, Herman. (See Selden, John, assignor.)
- Zoubek, James A. (See Grosse, Carl, assignor.)
- Zouck, George H., Orange, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive driving-box lubricator. 1,777,540; Oct. 7.
- Zouckermann, Armand, St.-Gratien, France. Advertising apparatus. 1,745,394; Feb. 4.
- Zouckermann, Raymond, Cherbourg, France. Generation and synthesis of sounds. 1,749,685; Mar. 4.
- Zoulek, Theodore, Muskegon Heights, Mich. Hand planting implement. 1,780,055; Oct. 28.
- Zouri Drawn Metals Company. (See Nelson, Charles G., assignor.)

- Zschiegner, Herbert E., Woodbridge, assignor, by mesne assignments, to Baker & Co., Inc., Newark, N. Y. Electrodeposition of platinum metals. 1,779,457; Oct. 28.
- Zschimmer, Bodo. (See Rudolf, L., and Zschimmer.)
- Zschoch, Fritz, and H. Rodrian, Unterroblingen, assignors to A. Riebeck'sche Montanwerke Aktiengesellschaft, Halle, Saale, Germany. Production of montan wax. 1,753,816; Apr. 8.
- Zubaty, Joseph, Flint, Mich. Electric transmission. 1,769,281; July 1.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Variable-stroke fuel pump. 1,742,746; Jan. 7.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Service indicator. 1,749,365; Mar. 4.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Ammeter magnet. 1,749,366; Mar. 4.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Accelerating means for fuel pumps. 1,749,367; Mar. 4.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Service indicator. 1,761,950; June 3.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Temperature compensator. 1,761,951; June 3.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Oil rectifier. 1,761,952; June 3.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Instrument casing. 1,761,953; June 3.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Speed-cup dampener. 1,761,954; June 3.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Mounting means for speedometers. 1,761,955; June 3.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Speedometer magnet mounting. 1,761,956; June 3.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Reset mechanism for odometers. 1,783,398; Dec. 2.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Ammeter. 1,783,932; Dec. 2.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Odometer. 1,784,773; Dec. 9.
- Zubaty, Joseph, and D. E. Keeney, assignors to A C Spark Plug Company, Flint, Mich. Instrument panel. 1,760,855; May 27.
- Zuber, Emil F., and F. A. Dowling, Peoria, Ill., assignors to The Michigan Silo Company, Kalamazoo, Mich. Silo door. 1,783,992; Dec. 9.
- Zubia, Joseph D. (See Gutiérrez, Manuel S., assignor.)
- Zubick, Harry, Nashua, N. H. Heel-seat-preparing means. 1,766,319; June 24.
- Zubler, Camp M., Drexel Hill, Pa. Antifriction bearing. 1,776,647; Sept. 23.
- Zubli, Justus C., Bremerton, Wash. Diverter for stenciling. 1,745,076; Jan. 28.
- Zublin, John A., Los Angeles, Calif. Twist-off preventer. 1,759,337; May 20.
- Zublin, John A., Los Angeles, Calif. Floating supporter for drill pipe. 1,764,488; June 17.
- Zublin, John A., assignor to Universal Engineering Company, Los Angeles, Calif. Method of and bit for cutting a hole larger than the bit. 1,758,773; May 13.
- Zublin, John A., Torrance, assignor, by mesne assignments, to Universal Engineering Company, Los Angeles, Calif. Bit having vertical hammering action. 1,758,774; May 13.
- Zublin, John A., assignor to Universal Engineering Company, Los Angeles, Calif. Rotary bit having reciprocating motion. 1,758,814; May 13.
- Zublin, John A., assignor to Universal Engineering Company, Los Angeles, Calif. Cutter for rotary bits. 1,758,875; May 13.
- Zublin, John A., Los Angeles, and E. T. Scott, Bell, Calif.; said Scott assignor to said Zublin. Cleaning device for rotary drilling tools. 1,784,476; Dec. 9.
- Zucker, Abraham H., Cleveland, Ohio. Scrubbing machine. 1,767,109; June 24.
- Zuckerberg, Emanuel, Providence, R. I. Glass ornamentation. 1,785,401; Dec. 16.
- Zuckerman, Benjamin, jr., New York, N. Y. Envelope sealer. 1,767,908; June 24.
- Zuckerman, Roscoe C., Stockton, Calif. Onion harvester. 1,748,745; Feb. 25.
- Zuckerman, Roscoe C., Stockton, Calif. Beet harvester. 1,748,746; Feb. 25.
- Zuckerman, Roscoe C., Stockton, Calif. Potato-digging machine. 1,761,286; June 3.
- Zuckerman, Roscoe C., Stockton, Calif. Sponge pad. 1,786,513; Dec. 30.
- Zulawinski, Harold T., Portland, Oreg. Spark plug. 1,744,855; Jan. 28.
- Zuleger, John C. (See Leunis, William G., assignor.)
- Zulk, William J., Philadelphia, Pa. Shoulder-pressing board. 1,745,395; Feb. 4.
- Zullo, Samuel, Jersey City, N. J. Cigar cutter. 1,757,607; May 6.
- Zumwalt, Ross, West Baden, Ind. Engine. 1,767,953; June 24.
- Zundel, Eugene A., Chicago, Ill. Closet chair. 1,764,137; June 17.
- Zundel, Eugene A., Chicago, Ill. Closet chair. 1,781,938; Nov. 18.
- Zurian, Philip D., assignor, by mesne assignments, to Burgess Battery Co., Madison, Wis. Radiotransmitter. 1,760,225; May 27.
- Zur Löwen, Waldemar, Barmen-Rittershausen, Germany, assignor, by mesne assignments, to American Bemberg Corporation. Exchangeable filter, more particularly for artificial-silk-spinning machines. 1,784,103; Dec. 9.
- Zurndorf, Maxwell, Baltimore, Md. Gum-labeling machine. 1,766,239; June 24.
- Zur Neiden, Albrecht, New York, N. Y. Water gauge for automobile radiators. 1,747,022; Feb. 11.
- Zurovsky, Wladimir, Cleveland, Ohio. Inside vignetter. 1,743,841; Jan. 14.
- Zusy, Charles J. (See Ellis, D. S., and Zusy.)
- Zvirblis, Antanas J., Barberton, Ohio. Current motor. 1,757,894; May 6.
- Zwalley, John, San Antonio, Tex. Back protector. 1,746,067; Feb. 4.
- Zweibel, Charles A., Louisville, Ky., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,785,170; Dec. 16.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Lamp. Des. 80,557; Feb. 18.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Lamp base. Des. 80,558; Feb. 18.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Lamp or analogous article. Des. 80,656; Mar. 4.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Lamp base or article of analogous nature. Des. 80,657; Mar. 4.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Lamp shade. Des. 80,715; Mar. 11.
- Zwerling, Harry, Brooklyn, N. Y. Installation for supplying and circulating heated or cooled air. 1,781,358; Nov. 11.
- Zwicky, Jean, Maidenhead, England. Filter. 1,759,927; May 27.
- Zwiebel, Elmer W., Los Angeles, Calif. Radiocabinet. Des. 82,772; Dec. 9.
- Zwiebel, Elmer W., Los Angeles, Calif. Radiocabinet. Des. 82,773; Dec. 9.
- Zwiebel, Elmer W., Los Angeles, Calif. Radiocabinet. Des. 82,774; Dec. 9.
- Zwiebel, Carl C., Dayton, Ohio. Safety switch for clothes wringers. 1,761,030; June 3.
- Zwiebel, Fredrik, Prospect Park, N. J. Feeler motion for looms. 1,755,907; Apr. 22.
- Zwierzina, Alois J. (See Ackerman, E. L., and Zwierzina.)
- Zwierzina, Alois J., assignor to Ackerman, Blaesser, Fezzy, Inc., Detroit, Mich. Sash-operating mechanism. 1,749,555; Mar. 4.
- Zwilling, Arthur J., Valley Stream, and J. Faist, Glendale, N. Y. Optician's pliers. 1,753,080; Apr. 1.
- Zwinger, Phillip C., North Lima, Ohio. Curtain protector. 1,751,504; Mar. 25.
- Zworykin, Vladimir K. (See Wensley, R. J., and Zworykin.)
- Zworykin, Vladimir K., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillator. 1,744,192; Jan. 21.
- Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,753,961; Apr. 8.
- Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photoelectric device. 1,763,207; June 10.
- Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Facsimile transmission system. 1,786,812; Dec. 30.
- Zybach, Frank L. (See Chase, L. W., Zybach, and Brand.)

ALPHABETICAL LIST OF DISCLAIMERS

- Aikman, Burton S., Whitefish Bay, Wis. Disclaimer filed by the patentee and the assignee, National Brake & Electric Company. Reissue No. 16,041; disclaimer filed Aug. 30, 1930; v. 397; p. 552.
- Aldrich, Alonzo, and Earl E. Berry, Beloit, Wis. Disclaimer filed by the assignee, Beloit Iron Works. No. 1,688,172; disclaimer filed Apr. 24, 1930; v. 394; p. 273.
- Andersen, Lauritz W., Waterbury, Conn. Disclaimer filed by the patentee. No. 1,696,875; disclaimer filed Feb. 19, 1930; v. 392; p. 239.
- Anderson, Carl F., Brookfield, and Rudolph W. Janda, Berwyn, Ill. Disclaimer filed by the assignee, Conlon Corporation. No. 1,762,605; disclaimer filed July 28, 1930; v. 397; p. 163.
- Andres, Felix O., San Francisco, Calif. Disclaimer filed by the patentee. No. 1,281,262; disclaimer filed May 23, 1930; v. 395; p. 341.
- Arnold, Henry B., New York, N. Y. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 1,717,083; disclaimer filed Feb. 6, 1930; v. 391; p. 758.
- Bacon, Raymond F., and Benjamin T. Brooks, Pittsburgh, Pa. Disclaimer filed by the assignee, Gulf Refining Company. No. 1,439,683; disclaimer filed Aug. 25, 1930; v. 398; p. 351. (Two cases.)
- Bagnall, Arthur G., and James A. Taylor, Cleveland, Ohio. Disclaimer filed by The Union Trust Company, as executor of Charles H. Parkin, deceased, the assignee. No. 1,239,074; disclaimer filed Feb. 15, 1930; v. 392; p. 8.
- Ball, Guy M., Dayton, Ohio. Disclaimer filed by the assignee, Irving Air Chute Co. Inc. No. 1,554,192; disclaimer filed Aug. 14, 1930; v. 398; p. 184.
- Beutner, Reinhard, Louisville, Ky. Disclaimer filed by the assignee, Aug. Nowack Aktiengesellschaft. No. 1,658,281; disclaimer filed Dec. 13, 1929; v. 390; p. 6.
- Block, Leon, New York, N. Y. Disclaimer filed by the patentee and the exclusive licensee, The Republic Brass Company. No. 1,332,793; disclaimer filed Mar. 13, 1930; v. 393; p. 8.
- Boggs, Charles R., Waban, Mass. Disclaimer filed by the assignee, Simplex Wire and Cable Company. No. 1,752,974; disclaimer filed Dec. 6, 1930; v. 401; p. 717.
- Brach, Leon S., East Orange, N. J. Disclaimer filed by the patentee, assignee, L. S. Brach Manufacturing Corp., consenting. No. 1,752,660; disclaimer filed Nov. 24, 1930; v. 401; p. 473.
- Coffey, Joseph M., Schenectady, N. Y. Disclaimer filed by the assignee, Mica Insulator Company. No. 1,720,666; disclaimer filed Jan. 16, 1930; v. 391; p. 8.
- Cooke, Maurice B., Plainfield, N. J. Disclaimer filed by the assignee, The Atlantic Refining Company. No. 1,744,261. Disclaimer filed Aug. 25, 1930; v. 398; p. 184.
- Cooke, Maurice B., Plainfield, N. J. Disclaimer filed by the assignee, The Atlantic Refining Company. No. 1,744,261; disclaimer filed Aug. 30, 1930; v. 401; p. 473.
- Coolidge, 3d, Joseph R., Brookline, Mass. Disclaimer filed by the patentee, assignee, Montan, Inc., assenting. No. 1,609,642; disclaimer filed July 19, 1930; v. 397; p. 163.
- Coyle, Joseph Leopold, Vancouver, British Columbia, Canada. Disclaimer filed by the assignee by mesne assignments, Coyle Safety Carton Company. No. 1,327,946; disclaimer filed May 29, 1930; v. 395; p. 341.
- Deakin, Gerald, Antwerp, Belgium. Disclaimer filed by the assignee, Western Electric Company, Incorporated; No. 1,569,006; disclaimer filed July 12, 1930; v. 396; p. 877.
- Denaro, James, Cambridge, Mass. Disclaimer filed by the patentee. No. 1,615,799; disclaimer filed Apr. 2, 1930; v. 393; p. 792.
- Dickson, James T., Los Angeles, Calif. Disclaimer filed by the assignee, Bragg-Kliesrath Corporation. No. 1,076,198; disclaimer filed June 10, 1930; v. 396; O. G. 1.
- Edwards, Charles R., Houston, Texas. Disclaimer filed by the patentee. No. 1,514,585; disclaimer filed July 3, 1930; v. 396; p. 701.
- Ekström, Gunnar Christian, and Gustaf Örström, Stockholm, Sweden. Disclaimer filed by the assignee by mesne assignments, Arenco Machine Company, Inc. No. 1,499,204; disclaimer filed Feb. 4, 1930; v. 390; p. 758.
- Fagan, Charles D., Sharon, Pa. Disclaimer filed by the assignee, Sharpsville Boiler Works Co. No. 1,654,073; disclaimer filed Apr. 29, 1930; v. 394; p. 553.
- Fahrenwald, Frank A., Chicago Heights, Ill. Disclaimer filed by the patentee and the licensees, American Manganese Steel Co. and Southern Manganese Steel Co. No. 1,623,469; disclaimer filed Apr. 4, 1930; v. 393; p. 792.
- Fischer, Heinrich, Cincinnati, Ohio. Disclaimer filed by the patentee, No. 1,729,068; disclaimer filed Nov. 20, 1930; v. 401; p. 233.
- Galloway, Robert M., Richmond, Ind. Disclaimer filed by the assignee, The National Automatic Tool Co., and the patentee. No. 1,685,049; disclaimer filed July 30, 1930; v. 397; p. 357.
- Gibbs, Walter A., Wilmington, Del. Disclaimer filed by the patentee. No. 1,540,691; disclaimer filed Oct. 11, 1930; v. 200; p. 1.
- Gilt, Carl M., Brooklyn, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,593,400; disclaimer filed Nov. 12, 1930; v. 401; p. 233.
- Gordon, Charles, Milwaukee, Wis., and Alfred W. Redlin, Saginaw, Mich. Disclaimer filed by the patentees and the assignee by mesne assignments, The Gordon Form Lathe Company. No. 1,542,803; disclaimer filed Feb. 24, 1930; v. 392; p. 735.
- Greer, Butler F., San Francisco, Calif. Disclaimer filed by the licensee (not of record), Bankers Utilities Company, Inc. No. 1,460,716; disclaimer filed May 13, 1930; v. 395; p. 11.
- Harrison, Henry C., Port Washington, N. Y. Disclaimer filed by the assignee by mesne assignments, Western Electric Company, Incorporated. No. 1,734,624; disclaimer filed June 9, 1930; v. 395; O. G. 1142.
- Herbert, Frederick D., Upper Montclair, N. J. Disclaimer filed by the assignee by mesne assignments, Kearfott Engineering Company, Inc. No. 1,646,404; disclaimer filed May 13, 1930; v. 395; p. 12.
- Herman, Joseph, New York, N. Y. Disclaimer filed by the assignee, American Telephone and Telegraph Company. No. 1,626,731; disclaimer filed Mar. 12, 1930; v. 393; p. 8.
- Herman, Henry, Baltimore, Md. Disclaimer filed by the patentee and the assignee, The Tin Decorating Company of Baltimore. No. 1,620,205; disclaimer filed Dec. 28, 1929; v. 390; p. 263.
- Hutto, Marsden C., Detroit, Mich. Disclaimer filed by the assignee, Hutto Engineering Company, Inc. No. 1,692,661; disclaimer filed Mar. 26, 1930; v. 393; p. 256.
- Johnson, Louis J., Mishawaka, Ind. Disclaimer filed by the assignee, Johnson Brothers Engineering Corporation. No. 1,567,512; disclaimer filed June 23, 1930; v. 396; p. 517.
- Johnson, Otis, San Diego, Calif. Disclaimer filed by the assignee, I. F. Laucks, Inc. Reissue No. 16,422; disclaimer filed May 23, 1930; v. 395; p. 341.
- Johnston, Gustave V., Chicago, Ill. Disclaimer filed by the assignee by mesne assignments, Steel and Tubes, Inc. No. 1,388,434; disclaimer filed Feb. 24, 1930; v. 392; p. 735.
- Kendall, William G., Newark, N. J. Disclaimer filed by the assignee by mesne assignments, Parfumerie Rigaud, Inc., ratified by patentee. No. 1,480,449; disclaimer filed May 23, 1930; v. 395; p. 341.
- Kerr, Howard J., Westfield, N. J., and James E. Trainer, Barberton, Ohio. Disclaimer filed by the assignee, The Babcock & Wilcox Company. No. 1,715,037; disclaimer filed Aug. 5, 1930; v. 397; p. 551.
- Klos, Erwin L., Kenosha, Wis. Disclaimer filed by the assignee, Simmons Company. No. 1,732,814; disclaimer filed Oct. 29, 1930; v. 400; p. 468.
- Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Disclaimer filed by the registrant, Trade-Mark No. 206,421; disclaimer filed Oct. 23, 1930; v. 400; p. 230.
- Krueger, Richard H., Newark, N. J. Disclaimer filed by the assignee, Charles Engelhard, Inc. No. 1,698,887; disclaimer filed Aug. 9, 1930; v. 397; p. 551.
- Langford, George, Joliet, Ill. Disclaimer filed by the assignee, McKenna Process Company of Illinois, patentee concurring. Reissue No. 17,596; disclaimer filed May 5, 1930; v. 394; p. 553, and v. 396; p. 877.
- Langsdorf, Jesse E., New York, N. Y. Disclaimer filed by the assignee, Franc-Strhmenger & Cowan, Inc., the patentee concurring. No. 1,447,090; disclaimer filed Aug. 12, 1930; v. 398; p. 184.
- Laucks, Irving F., and Glenn Davidson, Seattle, Wash. Disclaimer filed by the assignee, I. F. Laucks, Inc. No. 1,689,732; disclaimer filed May 23, 1930; v. 395; p. 341.
- Lauterbur, Frank X., and Edward J. Lauterbur, Sidney, Ohio. Disclaimer filed by the patentees. No. 1,672,264; disclaimer filed Feb. 13, 1930; v. 392; p. 8.
- Lee, Fred L., Binghamton, and Burdett H. Phillips, Endicott, N. Y. Disclaimer filed by the assignee, The Tabulating Machine Company. No. 1,772,186; disclaimer filed Dec. 5, 1930; v. 401; p. 717.
- Loewy, Raymond G. F., Jackson Heights, N. Y. Disclaimer filed by the patentee. No. 1,607,993; disclaimer filed Oct. 29, 1930; v. 400; p. 468.

- McGibbon, Albert D., Plainville, Conn. Disclaimer filed by the assignee, The Trumbull Electric Manufacturing Co. No. 1,706,627; disclaimer filed Mar. 19, 1930; v. 393; p. 256.
- Mead, Edward D., Caldwell, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 1,743,470; disclaimer filed Aug. 30, 1930; v. 397; p. 552.
- Miller, Henry C., Milwaukee, Wis. Disclaimer filed by the assignee, Stationers Loose Leaf Company. No. 1,184,979; disclaimer filed Feb. 24, 1930; v. 392; p. 239.
- Miller, William J., Swissvale, Pa. Disclaimer filed by the patentee. No. 1,757,132; disclaimer filed May 20, 1930; v. 395; p. 342.
- Mortimer, Louis A., New York, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,617,413; disclaimer filed Sept. 16, 1930; v. 399; p. 10.
- Mortimer, Louis A., New York, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,617,413; disclaimer filed Nov. 28, 1930; v. 41; p. 472.
- Mucher, George J., Troy, N. Y. Disclaimer filed by the patentee. No. 1,701,386; disclaimer filed July 31, 1930; v. 397; p. 551.
- Myers, Lewis C., Freeport, and George F. Handley, Glendale, N. Y. Disclaimer filed by the assignee, Royal Typewriter Company, Inc. No. 1,562,119; disclaimer filed Mar. 25, 1930; v. 393; p. 256.
- Newkirk, William B., Edgewater, N. J. Disclaimer filed by assignee, International Patents Development Company, and the licensee, Corn Products Refining Company. No. 1,471,347; disclaimer filed Oct. 2, 1930; v. 399; p. 413.
- Perry, Donald B., Yonkers, N. Y. Disclaimer filed by the assignee, American Telephone and Telegraph Company. No. 1,733,165; disclaimer filed Mar. 28, 1930; v. 393; p. 526.
- Pascatore, Théodore, Liege, Belgium. Disclaimer filed by the assignee, Lapeer Trailer Corporation (not of record). No. 1,084,820; disclaimer filed July 17, 1930; v. 397; p. 9.
- Philip, George Rannie, Northfield, Vt. Disclaimer filed by the assignee, Cross Brothers Company. No. 1,627,456; disclaimer filed May 6, 1930; v. 395; p. 12.
- Pollock, Alan Adair, Leamington Spa, England. Disclaimer filed by the assignee, General Electric Company. No. 1,568,692; disclaimer filed Oct. 24, 1930; v. 400; p. 468.
- Quass, Ralph L., Hawthorne, N. J. Disclaimer filed by the assignee by mesne assignments, Western Electric Company, Incorporated; No. 1,660,975; disclaimer filed Jan. 25, 1930; v. 391; p. 252.
- Ranger, Richard Howland, Newark, N. J. Disclaimer filed by the patentee, assignee, Radio Corporation of America, assenting. No. 1,776,372; disclaimer filed Sept. 23, 1930.
- Roberts, Millard J., Buffalo, N. Y. Disclaimer filed by the assignee, Roberts-Gordon Appliance Corporation. No. 1,725,304; disclaimer filed Oct. 15, 1930; v. 400; p. 230.
- Scott, Robert W., Babylon, N. Y. Disclaimer filed by the assignee, Scott & Williams, Incorporated. Reissue No. 16,795; disclaimer filed Feb. 11, 1930; v. 392; p. 8.
- Selden, James M., Pittsburgh, Pa. Disclaimer filed by the assignee, The Selden Company. No. 1,647,317; disclaimer filed Mar. 18, 1930; v. 393; p. 8.
- Smith, Franklin S., Brooklyn, N. Y. Disclaimer filed by patentee, assignee Products Protection Corporation, assenting and concurring. No. 1,647,477; disclaimer filed Feb. 5, 1930; v. 391; p. 757.
- Tanner, Harry L., Brooklyn, N. Y. Disclaimer filed by the assignee, Ford Instrument Company, Inc. No. 1,743,252; disclaimer filed Oct. 3, 1930; v. 399; p. 413.
- Taylor, Frank F., Cincinnati, Ohio. Disclaimer filed by the assignee, The Frank F. Taylor Company. No. 1,656,128; disclaimer filed Oct. 4, 1930; v. 399; p. 413.
- Thorne, Maurice A., South Bend, Ind. Disclaimer filed by the assignee, The Studebaker Corporation. No. 1,712,855; disclaimer filed Dec. 1, 1930; v. 401; p. 473.
- Troll, Frederick J., Baltimore, Md. Disclaimer filed by the patentee, the assignee, The Loadometer Company, and the exclusive licensee, The Black & Decker Manufacturing Company. Disclaimer filed Apr. 30, 1930; v. 394; p. 553.
- Wessel, Ludwig H., Lancaster, Ohio. Disclaimer filed by the assignee, The Hermann Manufacturing Company. No. 1,706,944; disclaimer filed Dec. 30, 1929; v. 390; p. 263.
- Wheaton, Harold Joseph, Lower Walton, near Warrington, England. Disclaimer filed by the assignee by mesne assignments, American Doucil Company. No. 1,586,764; disclaimer filed Mar. 11, 1930; v. 392; p. 735.
- Williams, Samuel B., Brooklyn, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,550,769; disclaimer filed Apr. 19, 1930; v. 394; p. 11.
- Wilson, Robert E., Chicago, Ill. Disclaimer filed by the assignee, Standard Oil Company. No. 1,758,590; disclaimer filed Aug. 29, 1930; v. 398; p. 351.
- Wood, William H., Cleveland, Ohio. Disclaimer filed by the patentee. No. 1,432,937; disclaimer filed Apr. 10, 1930; v. 394; p. 11.

ALPHABETICAL LIST OF INVENTIONS

- A. C. motors, Variable-speed. W. Shurtleff. 1,763,104; June 10.
- Abdominal baby band. E. H. Walter. 1,764,995; June 17.
- Abradant supplying means, Fluid. A. E. Maynard. Re17,576; Jan. 28.
- Abrading and crushing machine. P. L. Crowe. 1,750,573; Mar. 11.
- Abrading and polishing device and making same. P. B. Malebranche. 1,779,975; Oct. 28.
- Abrading device. J. G. Hudspeth. 1,749,705; Mar. 4.
- Abrading machine. A. Bjorklund. 1,762,606; June 10.
- Abrading machine. A. B. Fowler. 1,771,621; July 29.
- Abrading machine. A. B. Fowler. 1,774,508; Sept. 2.
- Abrading machine. P. Marchesini. 1,782,269; Nov. 18.
- Abrading machine. C. L. Mattison. 1,762,339; June 10.
- Abrading machine. W. Pratt. 1,772,365; Aug. 5.
- Abrading machine. W. B. Ward. 1,749,898; Mar. 11.
- Abrasive article. F. G. Okie. Re17,593; Feb. 11.
- Abrasive article and making the same. R. P. Carlton. 1,775,631; Sept. 16.
- Abrasive article and making the same. F. G. Okie. 1,759,168; May 20.
- Abrasive composition. A. Biddle. 1,764,928; June 17.
- Abrasive compound. R. S. Leather. 1,748,778; Feb. 25.
- Abrasive disks, Making. H. C. Martin. 1,739-40; July 22.
- Abrasive materials, Production of high-purity. J. S. Masin and H. E. White. 1,786,016; Dec. 23.
- Abrasive medium. R. L. Hartwell. 1,779,771; Oct. 28.
- Abrasive or refractory articles and making the same. P. H. Walker and S. S. Kenyon. 1,785,102; Dec. 16.
- Abrasive sheet material. G. E. Behr, Jr. Re17,580; Feb. 4.
- Abrasive wheel. H. F. Skillings. 1,767,321; June 24.
- Absorbent and catalytic mass, Highly-active. F. Stoenwener. 1,760,289; May 27.
- Absorbent materials, Making. W. W. Odell and C. W. Seibel. 1,768,963; July 1.
- Absorbent materials, Manufacture of. J. Baddiley and E. Chapman. 1,777,459; Oct. 7.
- Absorbent roll. I. Kulik. 1,766,341; June 24.
- Absorbents for liquid-oxygen explosives and resulting absorbents and explosives, Preparing. H. C. Bugbird. 1,781,214; Nov. 11.
- Absorber. J. A. Campbell. 1,748,409; Feb. 25.
- Absorber. L. E. West. 1,742,944; Jan. 7.
- Absorber, Rebound. L. G. Recchia. 1,752,694; Apr. 1.
- Absorption apparatus. A. Godel. 1,773,224; Aug. 19.
- Absorption glass. F. Gelstharpe. 1,771,435; July 29.
- Absorption machine. E. Altenkirch. 1,767,639; June 24.
- Absorption mechanism. T. H. Symington. 1,763,830; June 17.
- Absorption method and apparatus. F. G. Wheeler. 1,747,687; Feb. 18.
- Absorption process. P. D. Barton. 1,748,051; Feb. 25.
- Absorption process. C. D. Coulter. 1,759,346; May 20.
- Absorption process. P. T. Sharples. 1,766,195; June 24.
- Absorption system, Stabilizing. J. A. Campbell. 1,754,606; Apr. 15.
- Absorption trap. M. J. Trumble. 1,762,432; June 10.
- Absorptive gels, Preparation of. H. N. Holmes. 1,762,228; June 10.
- Abutment-equipped rod. O. W. Andersen. 1,779,204; Oct. 21.
- Accelerating the hardening of hydraulic binding means. W. Kirchner. 1,782,471; Nov. 25.
- Accelerator. W. R. Morris. 1,757,018; May 6.
- Accelerator and age-resisting compound, Rubber-vulcanization. W. Scott. 1,747,186; Feb. 18.
- Accelerator control. H. A. Myers. 1,752,501; Apr. 1.
- Accelerator, Electromagnetic hydrocarbon. J. B. Newton. 1,753,617; Apr. 8.
- Accelerator for dry-pipe valves. F. H. Griffiths. 1,754,511; Apr. 15.
- Accelerator for the vulcanization of rubber. A. Cambron. 1,754,010; Apr. 8.
- Accelerator of vulcanization. J. Teppema. 1,757,930; May 6.
- Accelerator-regulating device, Auto. F. H. Kampman. 1,759,355; May 20.
- Accelerator, Rubber-vulcanization. W. Scott. 1,747,187; Feb. 18.
- Accelerator, Vulcanization. H. Lecher and W. Zieser. 1,766,755; June 24.
- Accelerators, Manufacture of rubber vulcanization. W. Scott. 1,779,715; Oct. 28.
- Accident and time recorder, Combined. V. O. Sturtevant. 1,747,021; Feb. 11.
- Acclimatizing fur-bearing animals. G. L. McCassey and R. H. Cox. 1,767,150; June 24.
- Accordion. C. and F. Iorio. 1,781,394; Nov. 11.
- Accordions and the like, Bass strap for. E. and A. Galizi. 1,759,611; May 20.
- Accordions, Bass-key section for. M. Soprani. 1,784,468; Dec. 9.
- Accordions, Piano-key action for. M. Soprani. 1,784,469; Dec. 9.
- Accounting apparatus and system. E. L. Reller and V. R. A. Stroh. 1,752,394; Apr. 1.
- Accounting device. J. Grant. 1,751,082; Mar. 18.
- Accounting machine. R. L. Muller. 1,757,134; May 6.
- Accounting machine. W. J. Pasinski. 1,778,506; Oct. 14.
- Accounting-machine cards, Process and apparatus for rejuvenating perforated. R. L. A. Valtat. 1,777,947; Oct. 7.
- Accounting machines, Carriage equipment for. A. S. Trew. 1,767,721; June 24.
- Accounting machines, Pin-box selective mechanism for. W. W. Lasker. 1,764,735; June 17.
- Accounting table. E. C. Rasmussen. 1,751,494; Mar. 25.
- Accumulator, hydraulic. M. Mack and W. Gröttinger. 1,773,821; Aug. 26.
- Accumulator timing element for pressure-fluid-supply valves. S. B. Redfield and J. Naab. 1,780,538; Nov. 4.
- Acetaldehyde to acetic acid, Oxidizing. S. W. Rowell and H. S. Hirst. 1,778,511; Oct. 14.
- Acetone from acetylene, Production of. J. Martin and I. J. Krehma. 1,779,676; Oct. 28.
- Acetone, Production of. L. Schlecht. 1,755,193; Apr. 22.
- Acetylcellulose, Making. H. A. Gardner. 1,764,204; June 17.
- Acetylene and hydrogen, Preparation of. M. Banck. 1,773,611; Aug. 19.
- Acetylene generator. E. M. Evleth. 1,766,614-15; June 24.
- Acetylene generator. H. G. Irwin. 1,763,890; June 17.
- Acetylene generator. L. Oliphant. 1,753,529; Apr. 8.
- Acetylene generator, Automatic. P. Dorsey. 1,777,297; Oct. 7.
- Acid and an irritant gas, Causing the simultaneous evolution of hydrocyanic. H. Lehecke. 1,780,197; Nov. 4.
- Acid and cyanamide, Making phosphoric. T. F. Baily. 1,775,802; Sept. 16.
- Acid and hydrogen, Producing phosphoric. M. Larsson. 1,756,429; Apr. 29.
- Acid and its derivatives, Purification of benzoic. L. C. Daniels. 1,770,393; July 15.
- Acid and making same, New derivative of 2,3-hydroxynaphthoic. B. Heyn. 1,754,390; Apr. 15.
- Acid and making same, 3'-amino-4'-alkyl ethers of ortho benzoyl benzoic. I. Gubelmann, H. J. Weiland, and O. Stallmann. 1,762,978; June 10.
- Acid by fermentation, Production of citric. F. Kanhäuser. 1,779,001; Oct. 21.
- Acid compound, Barbituric. F. Hefti. 1,757,906; May 6.
- Acid compounds, Halogenated ortho-sulpho-benzoic. D. Twiss. 1,760,328; May 27.
- Acid, Concentration of acetic. G. Schwaebel and F. Schleicher. 1,766,404; June 24.
- Acid, Continuous production of hydrofluoric. G. L. Scott. 1,748,735; Feb. 25.
- Acid derivative, Methylene-disalicylic. S. L. Summers. 1,764,035-6; June 17.
- Acid diazonium salts of aryl sulphonic acids. F. Keller and K. Schnitzspahn. 1,744,903; Jan. 28.
- Acid esters and making same, Sulphoarylpyrazolonecarboxylic. H. Elchweide and E. Fischer. 1,766,813; June 24.
- Acid, Esters of phthalic. A. O. Jaeger. 1,764,022; June 17.
- Acid, Evolution of hydrocyanic. H. Lehecke. 1,780,196; Nov. 4.
- Acid extracts, alcohols, and the like from gas or vapor mixtures, Manufacture of. E. C. Herthel. 1,761,341; June 3.
- Acid from weak nitric liquors, Recovering nitric. H. Hirtz. 1,752,086; Mar. 25.
- Acid, High concentration of nitric. F. C. Zeisberg. 1,772,122-3; Aug. 5.
- Acid jar. R. W. Peterson. 1,780,534; Nov. 4.
- Acid, Making acetic. H. Dreyfus. 1,784,583; Dec. 9.
- Acid, Manufacture of acetic. H. Dreyfus. 1,743,659; Jan. 14.
- Acid, Manufacture of acetic. R. H. Van Schaack, jr. 1,765,318; June 17.
- Acid, Manufacture of nitric. M. Battagay. 1,756,532; Apr. 29.
- Acid, Manufacture of nitric. M. Battagay. 1,772,302; Aug. 5.
- Acid, Manufacture of phosphoric. S. G. Nordengren. 1,776,595; Sept. 23.
- Acid, Manufacture of sulphuric. H. Petersen. 1,781,954; Nov. 18.
- Acid, Manufacturing chemically-pure sulphuric. W. S. Allen. 1,777,025; Sept. 30.
- Acid materials, Disposing of sulphuric-. C. Hinde. 1,776,070; Sept. 16.
- Acid mixtures, Denitration of waste. W. Büschling. 1,755,768; Apr. 22.
- Acid of a purity known commercially as chemical purity, Manufacture of sulphuric. W. S. Allen. 1,771,520; July 29.

- Acid of high purity, Manufacture of sulphuric. H. Howard. 1,764,309; June 17.
- Acid phosphate, Apparatus for manufacturing. B. Ober. 1,761,992; June 3.
- Acid phosphate, Apparatus for manufacturing. T. J. Sturtevant. 1,773,287; Aug. 19.
- Acid phosphate, Manufacturing. B. Ober. 1,761,991; June 3.
- Acid phosphate plant. I. Hechenbleikner. 1,782,821; Nov. 25.
- Acid phosphates of iron and making the same, High-. M. Green and E. M. Jones. 1,769,057; July 1.
- Acid, Preparation for 2-halogen-para-phenyl-ortho-benzoyl-benzoic. P. H. Groggins. 1,786,527; Dec. 30.
- Acid, Preparation of 4-halogen-para-phenyl-ortho-benzoyl-benzoic. P. H. Groggins. 1,786,526; Dec. 30.
- Acid, Preparation of para-phenoxy-ortho-benzoyl-benzoic. P. H. Groggins. 1,786,532; Dec. 30.
- Acid, Preparation of 2-amino-para-phenyl-ortho-benzoyl-benzoic. P. H. Groggins. 1,786,529; Dec. 30.
- Acid, Preparation of vanadic. A. O. Jaeger and J. A. Bertsch. 1,765,870; June 24.
- Acid, Preparing beta sulpho phthalic. H. Mildner. 1,745,025; Jan. 28.
- Acid, Preparing 4-amino-para-phenyl-ortho-benzoyl-benzoic. P. H. Groggins. 1,786,528; Dec. 30.
- Acid, Process and apparatus for concentrating sulphuric. F. E. Kimball. 1,764,210; June 17.
- Acid, Producing chromic. M. J. Udy. 1,784,950; Dec. 16.
- Acid, Producing colloidal silicic. A. P. Okatoff. 1,783,304; Dec. 2.
- Acid, Production of acetyl-Cleves. W. M. Ralph. 1,778,914; Oct. 21.
- Acid, Production of glutaminic. K. Bromig. 1,755,683; Apr. 22.
- Acid, Production of hydrocyanic. P. T. Dolley. 1,761,433; June 3.
- Acid, Production of hydrocyanic. F. Lindner and F. Link. 1,751,933; Mar. 25.
- Acid, Production of p-chlorobenzoyl-o-benzoic. W. M. Murch. 1,746,736; Feb. 11.
- Acid-resisting and other products bonded by means of clay, Manufacture of refractory. H. Ackermann, W. Langenhein, and H. Knuth. 1,744,351; Jan. 21.
- Acid, 6-chloro-2-amino-1-methylbenzene-4-sulphonic. F. Henle and B. Vossen. 1,755,648; Apr. 22.
- Acid sludge and fuel product obtained therefrom, Treating. R. A. Halloran, W. N. Davis, and G. A. Davidson. 1,745,692; Feb. 4.
- Acid sludge, apparatus for hydrolyzing. F. L. Maker, J. L. Cooley, and C. F. Tuttle. 1,760,246; May 27.
- Acid sludge, Continuously hydrolyzing. R. A. Halloran, W. N. Davis, and G. A. Davidson. 1,752,555; Apr. 1.
- Acid, Stabilization of hydrocyanic. H. Lebrecke. 1,780,198; Nov. 4.
- Acid sulphate and producing same, Titanium. F. von Bichowsky. 1,783,684; Dec. 2.
- Acid, Treatment of phosphoric. C. F. Booth. 1,777,548; Oct. 7.
- Acid, 2-substituted 1-methyl-phenyl-3-thioglycolic. E. Hoffa and H. Heyna. 1,762,719; June 10.
- Acid useful in baking powders and self-rising flours and mode of preparing same, Solid form of lactic. E. V. McCollum and O. S. Rask. 1,771,342; July 22.
- Acids and alkalis on metallic articles, Producing a coating stable toward. F. Ahrens. 1,758,420; May 13.
- Acids and making same, Condensed aromatic sulphonic. I. C. Somerville. 1,770,635; July 15.
- Acids and making same, Substituted arylsulphonic. K. Daimler and G. Balle. 1,758,277; May 13.
- Acids and preparing the same, Benzimide-azolon arsonic. W. Kollé, K. Streitwolf, and A. Fehrlé. Re17,599; Feb. 18.
- Acids and preparing them, Derivatives of 1,4,5,8 naphthalenetetracarboxylic. W. Eckert and H. Greune. 1,765,661; June 24.
- Acids, Apparatus for distilling fatty. H. Bollman. 1,781,745; Nov. 18.
- Acids, Derivative of alkoxy-fatty. R. H. Van Schaack, jr. 1,759,331; May 20.
- Acids into ketones, Transforming organic. J. W. Beckman. 1,753,642; Apr. 8.
- Acids of high molecular weight, Separating and purifying sulpho. G. Petroff. 1,766,304; June 24.
- Acids of high wetting, cleaning, and emulsifying power, Sulphonic. F. Günther. 1,755,179; Apr. 22.
- Acids of 6-chloro-2-amino-1-methylbenzene and preparing them, Uniform sulphonic. F. Henle and B. Vossen. 1,773,706; Aug. 19.
- Acids, Preparing diazosulphamic. K. and W. Schirmacher. 1,750,057; Mar. 11.
- Acids, Preparing nuclear substituted arylsulphonic. K. Daimler and G. Balle. 1,758,356; May 13.
- Acids, Production of. H. Frischer. 1,754,156; Apr. 8.
- Acids, Separation of mononitronaphthalene disulphonic. W. J. Cotton. 1,756,537; Apr. 29.
- Acoustic apparatus. W. J. O'Leary. 1,767,610; June 24.
- Acoustic apparatus, particularly signaling apparatus. H. Küchenmeister. 1,752,185; Mar. 25.
- Acoustic device. M. P. Bonnat. 1,765,124; June 17.
- Acoustic device. F. Boxley. 1,748,632; Feb. 25.
- Acoustic device. G. W. Burchett. 1,778,308; Oct. 14.
- Acoustic device. H. C. Harrison. 1,757,712; May 6.
- Acoustic device. H. C. Harrison. 1,777,118; Sept. 30.
- Acoustic device. R. V. L. Hartley. 1,762,981; June 10.
- Acoustic device. J. V. L. Hogan. 1,776,223; Sept. 16.
- Acoustic device. M. R. Hutchison. 1,784,595; Dec. 9.
- Acoustic device. M. Kaplick. 1,757,966; May 13.
- Acoustic device. C. Kyle. 1,777,170; Sept. 30.
- Acoustic device. C. Kyle. 1,745,937; Feb. 4.
- Acoustic device. C. Kyle. 1,746,540; Feb. 11.
- Acoustic device. S. W. McKellip. 1,762,184; June 10.
- Acoustic device. P. A. Michell. 1,781,988; Nov. 18.
- Acoustic device. C. R. Moore. 1,757,465; May 6.
- Acoustic device. E. H. Smythe. 1,778,871; Oct. 21.
- Acoustic device, Internally-clamped composite piezo-electric. A. McL. Nicolson. 1,753,312; Apr. 8.
- Acoustic device, Multiple resonant. A. McL. Nicolson. 1,760,252; May 27.
- Acoustic diaphragm. S. W. Hatton. 1,763,780; June 17.
- Acoustic diaphragm. E. C. Nilson. 1,748,990; Mar. 4.
- Acoustic diaphragm. W. A. Scheuch. 1,759,632; May 20.
- Acoustic diaphragm. V. A. Schlenker. 1,787,055; Dec. 30.
- Acoustic diaphragm and its manufacture. C. Batcholts. 1,759,387; May 20.
- Acoustic diaphragm and loud-speaker combination. N. Baldwin. 1,753,979; Apr. 8.
- Acoustic diaphragm and loud-speaker combination. N. Baldwin. 1,761,100; June 3.
- Acoustic instrument. H. C. Hayes. 1,757,938; May 6.
- Acoustic materials, Method and apparatus for determining the properties of. E. C. Wentz. 1,743,414; Jan. 14.
- Acoustic signaling apparatus. G. A. Zeininger. 1,786,930; Dec. 30.
- Acoustic swingings into electric capacity swingings, Transforming of. A. V. Petersen. 1,783,138; Nov. 25.
- Acoustic treatment. M. C. Rosenblatt. 1,751,249; Mar. 18.
- Acoustic tympanum. J. A. Poroma. 1,775,294; Sept. 9.
- Acoustical correction and sound deadening. F. J. Sersen and K. B. Conger, jr. 1,758,808; May 13.
- Acoustical device. R. T. Cloud. 1,767,277; June 24.
- Acoustical device. J. Kullman. 1,769,438; July 1.
- Acoustical material and manufacturing same. G. D. King and R. H. Stitt. 1,769,519; July 1.
- Acoustics. A. Meissner. 1,770,490; July 15.
- Actuating mechanism, Casement-window. R. C. Gray. 1,769,131; July 1.
- Actuator for controlling devices. L. E. Koch and H. F. Dever. 1,780,302; Nov. 4.
- Acy-amino-dibenzanthrones and products resulting therefrom by treatment with alkylating agents. P. Nawiasky. 1,759,272; May 20.
- Adapter. V. R. Despard. 1,747,758; Feb. 18.
- Adding and recording machine. C. E. Broman. 1,749,694; Mar. 4.
- Adding and recording machine. W. S. Gubelmann. 1,742,521-2; Jan. 7.
- Adding machine. G. J. Barrett. 1,784,862; Dec. 16.
- Adding machine. H. Landsiedel. 1,767,765; June 24.
- Adding machine and cash register, Combined duplex. E. Kassner. 1,783,943; Dec. 2.
- Addressing machine. H. E. Hubbard. 1,745,994; Feb. 4.
- Addressing machine, Distributive printing. H. E. Hubbard. 1,754,361; Apr. 15.
- Addressing machine, Tag-. P. Wright. 1,764,669; June 17.
- Addressing machines, Delivery mechanism for. P. A. Gollnick, J. J. Toolan, and G. Harred. 1,781,007; Nov. 11.
- Addressing machines, Ejector mechanism for. P. A. Gollnick, J. J. Toolan, and G. Harred. 1,779,698; Oct. 28.
- Addressing machines, Plate-feeding mechanism for. A. L. Schults. 1,768,862; July 1.
- Addressing machines, Recording device for. P. A. Gollnick and F. W. Broderick. 1,785,517; Dec. 16.
- Adhesive. H. F. Gardner. 1,751,988; Mar. 25.
- Adhesive. E. R. Knodell. 1,745,017; Jan. 28.
- Adhesive. G. S. Mathey. 1,784,740; Dec. 9.
- Adhesive and its manufacture. L. K. Fackler. 1,765,761; June 24.
- Adhesive and making same, Albuminous water-resisting. A. Biddle. 1,777,159; Sept. 30.
- Adhesive and manufacturing the same. B. A. Stevens. 1,771,823; July 29.
- Adhesive and method of making, Vegetable. I. F. Laucks and G. Davidson. 1,786,209; Dec. 23.
- Adhesive-applying machine. C. S. Price. 1,756,833; Apr. 29.
- Adhesive backing. L. G. Lange. 1,758,610; May 13.
- Adhesive composition. W. A. Gibbons. 1,779,808; Oct. 28.
- Adhesive composition. W. O. Herrmann and W. Haebnel. 1,784,008; Dec. 9.
- Adhesive composition and making same, Flexible water-resisting albuminous. A. Biddle. 1,777,158; Sept. 30.
- Adhesive composition of matter, Albuminous. A. Biddle. 1,777,160; Sept. 30.
- Adhesive composition of matter, Water-resisting. A. Biddle. 1,777,157; Sept. 30.
- Adhesive composition of matter, Water-resisting. A. Biddle. 1,777,161; Sept. 30.
- Adhesive compound and making same. W. Alexander. 1,786,417; Dec. 30.
- Adhesive material. W. C. Geer. 1,744,880; Jan. 28.
- Adhesive or cement and making same. R. Arnot. 1,771,553; July 29.
- Adhesive tape, Producing. C. H. Bibb and G. S. Mathey. 1,776,141; Sept. 16.
- Adhesive, Waterproof. J. B. Mullady. 1,779,613; Oct. 28.
- Adhesive water-resisting composition of matter. A. Biddle. 1,777,162; Sept. 30.
- Adjustable chair. R. C. Huntley. 1,762,630; June 10.

- Adjustable chair. R. C. Huntley. 1,783,426; Dec. 2.
Adjustable clamp. A. Disibio. 1,765,826; June 24.
Adjustable clamp. H. V. Holman. 1,783,713; Dec. 2.
Adjustable clamp. M. Kahle. 1,780,018; Oct. 28.
Adjustable clasp. D. de Plandolit y Bordas. 1,786,187; Dec. 23.
Adjustable cutter, Angular serrated. R. B. Weddell. 1,762,111; June 3.
Adjustable handle. J. R. Cotter. 1,771,325; July 22.
Adjustable hook. F. Greenberg. 1,774,368; Aug. 26.
Adjustable jack. C. G. Boudette. 1,785,069; Dec. 16.
Adjustable jack. M. P. Holmes. 1,784,991; Dec. 16.
Adjustable seat. A. A. Cripps. 1,751,907; Mar. 25.
Adjustable seat. B. Marcozzi. 1,774,989; Sept. 2.
Adjustable wrench. J. L. Schubert and J. E. Caldwell. 1,758,013; May 13.
Adjuster for osteopathic use. E. E. Loose. 1,759,514; May 20.
Adjusting and clamping collar. S. Pollak. 1,772,685; Aug. 12.
Adjusting bolt. D. H. Groenewold. 1,749,341; Mar. 4.
Adjusting device. D. D. Ormsby and J. Swinscoe. 1,761,934; June 3.
Adjusting device. A. H. Symons. 1,755,708; Apr. 22.
Adjusting mechanism. H. P. Dahlstrand. 1,762,117; June 3.
Adjustment-indicating means. A. Peteler. 1,758,086; May 13.
Adsorbable substances, Recovery of. A. B. Ray and G. T. Felbeck. 1,753,067; Apr. 1.
Adsorbent materials, Preparing. H. E. Bierce. 1,752,721; Apr. 1.
Adsorbents, Production of. H. B. Rüder. 1,784,543; Dec. 9.
Adsorbents, Treating. F. A. Bent. 1,770,166; July 8.
Adsorption material, Regeneration of. V. Pantenburg. 1,784,536; Dec. 9.
Advertisement. A. G. Escasena. 1,756,021; Apr. 29.
Advertisements, Apparatus for displaying lighted. A. Colberg. 1,745,407; Feb. 4.
Advertising apparatus. T. J. McCleave. 1,752,919; Apr. 1.
Advertising apparatus. J. C. Mitchell. 1,752,570; Apr. 1.
Advertising apparatus. L. G. Robberts. 1,766,838; June 24.
Advertising apparatus. W. S. Wilson. 1,744,852; Jan. 28.
Advertising apparatus. A. Zouckermann. 1,745,394; Feb. 4.
Advertising apparatus, Illuminative. J. D. Henderson. 1,753,049; Apr. 1.
Advertising apparatus, Multicurtain. L. G. Robberts. 1,742,735; Jan. 7.
Advertising apparatus, Rotary. E. C. Taylor. 1,755,848; Apr. 22.
Advertising change tray. E. Brunhoff. Des. 82,246; Oct. 14.
Advertising device. J. W. Allen. 1,785,474; Dec. 16.
Advertising device. W. B. Arklay. 1,746,138; Feb. 4.
Advertising device. J. W. Ashworth. 1,767,570; June 24.
Advertising device. T. B. Brandon and C. B. Harrison. 1,769,414; July 1.
Advertising device. M. C. Chapman. 1,760,746; May 27.
Advertising device. H. A. Cook. 1,776,182; Sept. 16.
Advertising device. J. F. Demers. 1,748,542; Feb. 25.
Advertising device. C. D. Duffus. 1,777,719; Oct. 7.
Advertising device. A. Erismann. 1,744,624; Jan. 21.
Advertising device. G. W. Erwin. 1,774,595; Sept. 2.
Advertising device. H. R. Flood. 1,751,197; Mar. 18.
Advertising device. F. J. Garrety. 1,785,948; Dec. 23.
Advertising device. R. L. Gatliiff. 1,764,834; June 17.
Advertising device. B. Hoetger. 1,753,203; Apr. 8.
Advertising device. C. E. Howard. 1,759,789; May 20.
Advertising device. H. W. Joy. 1,756,980; May 6.
Advertising device. W. Kuczoraa. 1,768,409; June 24.
Advertising device. P. M. Lockwood. 1,758,232; May 13.
Advertising device. W. F. Lucitt. 1,747,449; Feb. 18.
Advertising device. C. S. McIntire. 1,780,090; Oct. 28.
Advertising device. M. Murufas. 1,771,687; July 29.
Advertising device. L. B. Newell. 1,762,409; June 10.
Advertising device. M. H. Page. 1,781,596; Nov. 11.
Advertising device. L. W. Smith. 1,786,033; Dec. 23.
Advertising device. D. Solodar. 1,767,712; June 24.
Advertising device. D. Solodar. 1,785,100; Dec. 16.
Advertising device. F. G. Stanford and H. L. Glaze. 1,745,649; Feb. 4.
Advertising device. B. J. Sweetland. 1,769,607; July 1.
Advertising device. A. Trippel-Fürst. 1,747,404; Feb. 18.
Advertising device. J. E. Wood. 1,768,303; June 24.
Advertising device, Aerial. O. E. Frieder. 1,765,665; June 24.
Advertising device and signal support, Combined. S. Praberty. Des. 81,549; July 8.
Advertising device, Changeable. C. C. Chinski. 1,765,260; June 17.
Advertising device, Light. A. Abel. 1,787,333; Dec. 30.
Advertising device, Luminous and animated. A. Libeck. 1,758,120; May 13.
Advertising device or similar article. W. E. Shipp. Des. 82,350; Oct. 21.
Advertising device, Outdoor. M. F. Phillips. 1,754,369; Apr. 15.
Advertising device, Taxi. E. Dobrowsky. 1,744,705; Jan. 21.
Advertising devices, Mechanism for. D. Slotsky. 1,749,784; Mar. 11.
Advertising display mechanism. F. C. Shearer. 1,773,707; Aug. 19.
Advertising frame, Inlaid. J. W. Connell. 1,743,913; Jan. 14.
Advertising machine. W. F. Andersen. 1,764,141; June 17.
Advertising machine, Automatic. J. D. MacLachlan. 1,767,804; June 24.
Advertising means, Package-sealer-actuated. W. A. Uttz, sr. 1,746,878; Feb. 11.
Advertising novelty, Football-game indicating. H. G. Ross. 1,760,608; May 27.
Advertising or display device. J. E. Tulip and A. M. Wood. 1,777,508; Oct. 7.
Advertising or like sign or device. G. Frenkel. 1,782,721; Nov. 25.
Advertising panel for automobile doors. J. C. Pimm. 1,776,952; Sept. 30.
Advertising structure. D. J. Barker. 1,760,186; May 27.
Advertising tower. R. N. Baker. 1,775,267; Sept. 9.
Aerating apparatus. E. Millmather. 1,775,942; Sept. 16.
Aerating device. C. W. Garrett. Des. 81,926; Sept. 2.
Aeration and gas purification apparatus. G. E. Seil. 1,755,614; Apr. 22.
Aeration apparatus and process, Liquid. H. A. Gollmar. 1,772,347; Aug. 5.
Aeration device for internal-combustion engines. R. Nacket. 1,760,315; May 27.
Aerator. J. B. Fletcher. 1,745,412; Feb. 4.
Aerator, Portable. H. G. L. de Whalley. 1,770,512; July 15.
Aerial. C. E. Cazal. 1,757,172; May 6.
Aerial distribution of materials. C. L. Pelton. 1,749,504; Mar. 4.
Aerial flare. G. J. J. Clark and E. B. Jones. 1,755,388-9; Apr. 22.
Aerial, Loop. A. G. Harms. 1,755,820; Apr. 22.
Aerial navigation instrument. G. Estoppey. 1,784,929; Dec. 16.
Aerial, Portable loop. E. F. Andrews. 1,755,530; Apr. 22.
Aerial, Radio receiving. G. W. Aegerter. 1,774,538; Sept. 2.
Aerial system and feeding system therefor, Directional. C. S. Franklin. 1,746,389; Feb. 11.
Aerial vessel. J. Bowie. 1,768,738; July 1.
Aerocartograph. R. Hugershoff. 1,745,897; Feb. 4.
Aerocartograph. R. Hugershoff. 1,766,294; June 24.
Aerodrome. W. A. Loth. 1,753,574; Apr. 8.
Aerofoil. E. B. Carns. 1,781,160; Nov. 11.
Aerofoil. J. F. Cook, jr. 1,766,107; June 24.
Aerofoil. K. N. Pearson. 1,756,300; Apr. 29.
Aerofoil. D. L. Roscoe. 1,763,257; June 10.
Aerofoil. H. Schleusner. 1,767,944; June 24.
Aerofoil construction. N. W. Dalton. 1,783,413; Dec. 2.
Aeronautical indicator. W. Fraser. 1,786,059; Dec. 23.
Aeronautical power plant. R. M. Hall. 1,774,016; Aug. 26.
Aeronavigation, Apparatus to facilitate. A. O. Jessen. 1,742,355; Jan. 7.
Aeroplane. J. Andrews. 1,743,516; Jan. 14.
Aeroplane. A. Bauer. 1,768,877-8; July 1.
Aeroplane. L. Bleriot. 1,774,414; Aug. 26.
Aeroplane. C. J. Boyd. 1,757,109; May 6.
Aeroplane. F. C. Boney. 1,769,487; July 1.
Aeroplane. W. E. Burks. 1,754,737; Apr. 15.
Aeroplane. J. A. Cashel. 1,785,295; Dec. 16.
Aeroplane. P. R. Chadbourne. 1,764,932; June 17.
Aeroplane. J. Ciccoianni. 1,761,777; June 3.
Aeroplane. H. B. Crumbaugh. 1,745,081; Jan. 28.
Aeroplane. E. H. Davis. 1,749,021; Mar. 4.
Aeroplane. J. H. Davis. 1,761,710; June 3.
Aeroplane. C. P. Delo. 1,781,371; Nov. 11.
Aeroplane. F. G. Diago. 1,782,256; Nov. 18.
Aeroplane. A. W. Dorgan. 1,749,572; Mar. 4.
Aeroplane. T. H. Duncombe. 1,780,672; Nov. 4.
Aeroplane. C. G. Freeman. 1,777,557; Oct. 7.
Aeroplane. I. Glanschnig. 1,781,455; Nov. 11.
Aeroplane. J. B. and S. Grinich. 1,742,910; Jan. 7.
Aeroplane. R. W. Griswold, 2d. 1,763,888; June 17.
Aeroplane. I. E. Hanson. 1,754,715; Apr. 15.
Aeroplane. J. Hlavacek. 1,759,698; May 20.
Aeroplane. M. R. Horeth. 1,776,316; Sept. 23.
Aeroplane. W. S. Ingram. 1,771,257; July 22.
Aeroplane. R. Jacuzzi. Des. 82,221; Oct. 7.
Aeroplane. L. L. Johnson. 1,782,965; Nov. 25.
Aeroplane. C. T. Jones. 1,775,559; Sept. 9.
Aeroplane. E. Just. 1,773,361; Aug. 19.
Aeroplane. F. Kertész. 1,772,396; Aug. 5.
Aeroplane. H. R. Krieger. 1,786,307; Dec. 23.
Aeroplane. G. O. Kunicke. 1,773,625; Aug. 19.
Aeroplane. W. Lamb. 1,757,202; May 6.
Aeroplane. E. H. Lanier. 1,750,529; Mar. 11.
Aeroplane. E. H. Lanier. 1,779,005; Oct. 21.
Aeroplane. A. Lanzetta. 1,785,128; Dec. 16.
Aeroplane. G. Y. Lauchin. 1,752,012; Mar. 25.
Aeroplane. J. A. Lemieux. 1,766,914; June 24.
Aeroplane. F. R. Longstreet. 1,784,939; Dec. 16.
Aeroplane. J. G. Lyons. 1,759,164; May 20.
Aeroplane. C. H. Matthiessen, jr. 1,780,561; Nov. 4.
Aeroplane. H. McLind. 1,762,874; June 10.
Aeroplane. B. Messick. 1,748,987; Mar. 4.
Aeroplane. M. Moránszky. 1,786,217; Dec. 23.
Aeroplane. C. R. Morrison. 1,760,164; May 27.
Aeroplane. L. D. Moss. 1,756,469; Apr. 29.
Aeroplane. I. Neustatter. 1,754,397; Apr. 15.

- Aeroplane. V. Newbauer. 1,743,378; Jan. 14.
 Aeroplane. T. Nose. 1,782,210; Nov. 18.
 Aeroplane. R. H. O'Massey. 1,782,878; Nov. 25.
 Aeroplane. A. G. Parker. 1,780,565; Nov. 4.
 Aeroplane. C. Petrunin. 1,753,938; Apr. 8.
 Aeroplane. G. Ploger. 1,755,022; Apr. 15.
 Aeroplane. H. Podolsky. 1,754,571; Apr. 15.
 Aeroplane. F. O. Reed. 1,763,819; June 17.
 Aeroplane. J. Refsland. 1,743,284; Jan. 14.
 Aeroplane. A. Rober. 1,780,043; Oct. 28.
 Aeroplane. J. A. Roché. Des. 81,725; July 29.
 Aeroplane. T. C. Ryan. 1,754,529; Apr. 15.
 Aeroplane. J. T. Rydberg. 1,757,879; May 6.
 Aeroplane. J. T. Rydberg. 1,769,393; July 1.
 Aeroplane. A. Serna. 1,754,910; Apr. 15.
 Aeroplane. N. E. Shibly. 1,758,204; May 13.
 Aeroplane. E. A. Stinson. Des. 81,261; May 27.
 Aeroplane. A. H. Stone. 1,770,019; July 8.
 Aeroplane. L. D. Sutfin. 1,746,747; Feb. 11.
 Aeroplane. A. G. Taffan. 1,773,880; Aug. 26.
 Aeroplane. H. C. Thompson. 1,769,320; July 1.
 Aeroplane. F. Tupta. 1,780,410; Nov. 4.
 Aeroplane. O. Von Kories. 1,755,828; Apr. 22.
 Aeroplane. J. S. Walker. 1,786,181; Dec. 23.
 Aeroplane. C. C. Warren. 1,748,811; Feb. 25.
 Aeroplane. J. H. Wendt. Des. 82,231; Oct. 7.
 Aeroplane. Ailerons, Adjustment of. C. Pallavicino. 1,771,230; July 22.
 Aeroplane body. W. W. Christmas. Des. 82,314; Oct. 21.
 Aeroplane brake. M. B. Cowart. 1,778,753; Oct. 21.
 Aeroplane brake. J. M. Light. 1,774,063; Aug. 26.
 Aeroplane brakes and similar structures, Mechanism for operating. G. H. Davis. 1,773,521; Aug. 19.
 Aeroplane catapult. F. F. Daniel. 1,765,210; June 17.
 Aeroplane-cloth speaker. U. Grier. 1,781,949; Nov. 18.
 Aeroplane construction. M. Gregor. 1,747,001; Feb. 11.
 Aeroplane construction. La V. F. Wertz. 1,748,262; Feb. 25.
 Aeroplane control. O. A. Schaar. 1,774,568; Sept. 2.
 Aeroplane control. W. D. Waterman. 1,783,529; Dec. 2.
 Aeroplane control. R. D. Wesley. 1,776,378; Sept. 23.
 Aeroplane-control apparatus. A. B. Willett. 1,762,851; June 10.
 Aeroplane control device. M. Davis. 1,786,193; Dec. 23.
 Aeroplane-control mechanism. V. V. Muzik. 1,755,889; Apr. 22.
 Aeroplane control stick. H. E. Oehlke. 1,770,423; July 15.
 Aeroplane-control stick, Safety. J. B. Lieve. 1,755,928; Apr. 22.
 Aeroplane flight brake. E. J. Doehler. 1,772,388; Aug. 5.
 Aeroplane for horizontal and vertical flight. J. E. Noegerath. 1,786,545; Dec. 30.
 Aeroplane glider fuselage. L. N. Yohe. 1,754,733; Apr. 15.
 Aeroplane, Helicopter. J. Hohnowski. 1,777,492; Oct. 7.
 Aeroplane, Land and water. H. M. Perez. 1,771,724; July 29.
 Aeroplane landing means. L. Holland. 1,756,747; Apr. 29.
 Aeroplane, Low-resistance. James V. Martin. 1,771,053; July 22.
 Aeroplane propeller. C. E. Smith. 1,759,468; May 20.
 Aeroplane propeller. J. Woll. 1,771,365; July 22.
 Aeroplane rudder-bar control. J. C. Spencer. 1,752,118; Mar. 25.
 Aeroplane, Safety. J. Leopold. 1,757,842; May 6.
 Aeroplane, Safety. J. Leopold. 1,781,182; Nov. 11.
 Aeroplane safety device. K. Fechter. 1,765,972; June 24.
 Aeroplanes, Stabilizing device for. E. G. Schleicher. 1,786,266; Dec. 23.
 Aeroplane swing. Child's. H. Gill and O. R. Platter. 1,763,510; June 10.
 Aeroplane, Vertically ascending and descending. J. F. Darling. 1,747,890; Feb. 18.
 Aeroplane wing. W. S. Hall. 1,787,370; Dec. 30.
 Aeroplane wing. M. K. Hopper. 1,745,677; Feb. 4.
 Aeroplane wing. J. F. McKenzie. 1,755,886; Apr. 22.
 Aeroplane wing. B. Mueller. 1,773,432; Aug. 19.
 Aeroplane wing. W. J. O'Connor. 1,744,663; Jan. 21.
 Aeroplane wing. W. F. Triplett. 1,760,726; May 27.
 Aeroplane wing. C. W. Vincent. 1,753,075; Apr. 1.
 Aeroplane wing and radiator system, Combined. A. L. Thurston. 1,779,718; Oct. 28.
 Aeroplane wing and the like. M. Wibault. 1,760,332; May 27.
 Aeroplane wing arrangement. S. V. Müller. 1,765,440; June 24.
 Aeroplane-wing construction. W. M. Cross. 1,752,421; Apr. 1.
 Aeroplane-wing construction. W. A. Woolgar, jr. 1,765,189; June 17.
 Aeroplane-wing heater. J. A. Kidd. 1,753,433; Apr. 8.
 Aeroplane wing, Metal. H. G. Landis. 1,765,079; June 17.
 Aeroplane wing structure. J. S. Fox. 1,758,360; May 13.
 Aeroplane wing rib. C. J. Marston. 1,749,293; Mar. 4.
 Aeroplane wings, Lifting attachment for. H. G. Tissot. 1,755,342; Apr. 22.
 Aeroplane wings, Venturi slot for. B. J. Steinmetz. 1,761,691; June 3.
 Aeroplane with a plurality of propellers, Helicopter. J. Hohnowski. 1,750,108; Mar. 11.
 Aeroplane with supporting surface subdivided by gaps. J. Kroll. 1,770,575; July 15.
 Aeroplanes, Air controller for. P. Lefevre. 1,757,435; May 6.
 Aeroplanes and similar aircraft, Controlling device for. M. Lobelle. 1,774,024; Aug. 26.
 Aeroplanes, Control stick for. T. C. Croce. 1,744,297; Jan. 21.
 Aeroplanes, Controlling. F. H. Page. 1,780,838; Nov. 4.
 Aeroplanes, Controlling mechanism for. S. J. Ax. 1,765,195; June 17.
 Aeroplanes, Dual control for. O. A. Braun. 1,746,762; Feb. 11.
 Aeroplanes, Expanding wing for. M. O. Hannah. 1,773,530; Aug. 19.
 Aeroplanes, Floating and cushioning device for. G. Mikula. 1,748,492; Feb. 25.
 Aeroplanes, Gyroscopic pilot for. L. B. Sperry. 1,757,096; May 6.
 Aeroplanes, Safety device for. M. Bergh. 1,747,215; Feb. 18.
 Aeroplanes, Safety device for. M. J. Reinhard. 1,772,962; Aug. 12.
 Aeroplanes, Stabilizer for. H. M. Salisbury and A. E. Miller. 1,782,149; Nov. 18.
 Aeroplanes, Take-off device for. D. Canfield. 1,767,120; June 24.
 Aeroplanes, Variable-surface wing for. J. Van de Putte. 1,762,002; June 3.
 Aerostat. G. H. Scott and F. M. Rope. 1,778,692; Oct. 14.
 Aerovehicle. A. E. James. 1,782,508; Nov. 25.
 After-hour depository. O. B. McClintock and E. G. Lawrence. 1,759,129; May 20.
 Agar compound. G. C. Miller. 1,742,409; Jan. 7.
 Agitated materials, Apparatus for determining variations in the physical conditions of. A. W. Farrall and G. D. Turnbow. 1,756,286; Apr. 29.
 Agitating and aerifying device. M. A. Hogancamp. 1,768,765; July 1.
 Agitating, etc., machine. H. Robinson. 1,752,202-3; Mar. 25.
 Agitating, mixing, and circulating machine. T. O'Farrell. 1,780,360; Nov. 4.
 Agitation and settling apparatus. F. A. Downes. 1,752,789; Apr. 1.
 Agitation and settling process. C. P. Hoover and F. A. Downes. 1,752,795; Apr. 1.
 Agitator. J. E. Bond. 1,754,255; Apr. 15.
 Agitator. J. E. Bond. 1,780,166; Nov. 4.
 Agitator. H. F. W. Brockmann. 1,784,416; Dec. 9.
 Agitator. E. R. Miller. 1,767,601; June 24.
 Agitator. V. M. Pyle. 1,762,421; June 10.
 Agitator, aerator, and mixer. W. N. Jones and C. C. Humphreys. 1,765,338; June 17.
 Agitator and grate for fire beds. W. B. Chapman. 1,777,138; Sept. 30.
 Agitator dip tank. V. A. Fox. 1,749,182; Mar. 4.
 Agitator for washing machines. H. Kolar. 1,762,660; June 10.
 Agricultural device. J. S. Fielding. 1,755,247; Apr. 22.
 Agricultural dusting machine. R. R. Ezdorf. 1,785,943; Dec. 23.
 Agricultural implement. H. E. Altgelt. 1,777,511; Oct. 7.
 Agricultural implement. W. S. Barker. 1,760,894; June 3.
 Agricultural implement. J. Barry. 1,771,025; July 22.
 Agricultural implement. C. C. Cody. 1,747,052; Feb. 11.
 Agricultural implement. C. E. Hess. 1,764,449; June 17.
 Agricultural implement. H. Hightower. 1,772,181; Aug. 5.
 Agricultural implement. H. Krause. 1,776,860; Sept. 30.
 Agricultural implement. J. B. Verhoff. 1,787,026; Dec. 30.
 Agricultural implement. F. J. Zalesky. 1,787,228; Dec. 30.
 Agricultural machine. A. T. Brown. 1,745,832; Feb. 4.
 Agricultural machine. L. C. Hester. 1,774,007-8; Aug. 26.
 Agricultural machine. C. Malepsy. 1,743,151; Jan. 14.
 Agricultural machine. J. S. Stewart. 1,760,569; May 27.
 Agricultural machine, Combination. J. P. Richard. 1,748,308; Feb. 25.
 Agricultural machine, Motor. A. T. Brown. 1,755,767; Apr. 22.
 Agricultural machinery. W. Aitkenhead. 1,775,711; Sept. 16.
 Air-admission device, Auxiliary. E. H. Stepp. 1,761,692; June 3.
 Air-admission device, Auxiliary. J. A. Padjen. 1,771,815; July 29.
 Air against pressure, Moving. F. Charavay. 1,756,343; Apr. 29.
 Air and for creating vacuums, Apparatus for the compression and storage of. M. G. O'Neil. 1,768,923; July 1.
 Air and gas mixing device. W. W. Kemp and W. H. Van Horn. 1,771,223; July 22.
 Air and vapor control for driers. A. J. Vance. 1,776,014; Sept. 16.
 Air and water craft, Propelling. W. Potts. 1,777,652; Oct. 7.
 Air, Apparatus for compressing. G. L. Ferguson. 1,757,299; May 6.
 Air, Apparatus for exhausting. W. G. O'Leary. 1,776,567; Sept. 23.
 Air, Apparatus for filtering. J. C. Hines. 1,751,999; Mar. 25.

- Air bag and manufacturing same. W. S. Wolfe. 1,749,013; Mar. 4.
- Air bags from deterioration in service, Protecting the interior surfaces of. G. D. Mallory. 1,755,069; Apr. 15.
- Air bags in tire casings, Method and machine for inserting. E. F. Maas. 1,743,077; Jan. 7.
- Air bags in tires, Device for inserting. W. H. Bines and W. A. Corlett. 1,759,681; May 20.
- Air balancing gauge. C. W. Clarke. 1,778,355; Oct. 14.
- Air-blowing apparatus. P. E. Wickstrom. 1,779,201; Oct. 21.
- Air brake, Compressed-. W. Hildebrand. 1,772,832; Aug. 12.
- Air brake. F. A. Gerdes. 1,773,990; Aug. 26.
- Air-brake nonpressure heads, Seal for. H. E. Anderson. 1,745,345; Feb. 4.
- Air-brake system. C. A. Ives. 1,783,043; Nov. 25.
- Air brake, Vehicle. F. L. Horspool. 1,784,233; Dec. 9.
- Air-circulating device for vehicles, heaters, and the like. S. J. V. Bovey. 1,751,680; Mar. 25.
- Air-circulating system for lumber-drying kilns. M. L. Mueller. 1,745,375; Feb. 4.
- Air-circulation system for ovens. V. A. Fox. 1,767,872; June 24.
- Air classifier. A. H. Stebbins. 1,756,960; May 6.
- Air classifier. A. H. Stebbins. 1,759,959; May 27.
- Air cleaner. W. T. Blaney. 1,781,430; Nov. 11.
- Air cleaner. C. P. Brockway. 1,774,588; Sept. 2.
- Air cleaner. A. A. Bull. 1,743,521-2; Jan. 14.
- Air cleaner. A. A. Bull. 1,774,352; Aug. 26.
- Air cleaner. W. C. Buttner. 1,755,423; Apr. 22.
- Air cleaner. L. V. Cram. 1,766,909; Apr. 29.
- Air cleaner. F. A. Donaldson. 1,755,319; Apr. 22.
- Air cleaner. E. R. Evans. 1,760,351; May 27.
- Air cleaner. M. S. Field. 1,769,778; July 1.
- Air cleaner. H. Haegler. 1,757,835; May 6.
- Air cleaner. E. J. Hall and C. A. Winslow. 1,751,915; Mar. 25.
- Air cleaner. H. G. Kamrath. 1,742,769; Jan. 7.
- Air cleaner. H. G. Kamrath. 1,744,708; Jan. 21.
- Air cleaner. H. G. Kamrath. 1,746,218; Feb. 4.
- Air cleaner. H. G. Kamrath. 1,757,432; May 6.
- Air cleaner. H. G. Kamrath. 1,761,923; June 3.
- Air cleaner. C. L. McCuen. 1,760,272; May 27.
- Air cleaner. F. S. Orem. 1,745,950; Feb. 4.
- Air cleaner. F. S. Orem. 1,756,758; Apr. 29.
- Air cleaner. E. C. Raney. 1,769,071; July 1.
- Air cleaner. C. E. Summers. 1,742,564; Jan. 7.
- Air cleaner. E. F. Terry, jr. 1,774,301; Aug. 26.
- Air cleaner. R. E. Watrous. 1,762,493; June 10.
- Air cleaner and coupling. F. A. Donaldson. 1,787,235; Dec. 30.
- Air cleaner, Fluid. J. L. Green. 1,751,324; Mar. 18.
- Air cleaner for carburetors. W. G. Dunn. 1,771,880; July 29.
- Air cleaner for internal-combustion engines. R. O. Hendrickson. 1,766,124; June 24.
- Air cleaner for internal-combustion engines. G. C. Rensink. 1,773,600; Aug. 19.
- Air cleaner for internal-combustion engines. G. E. Tasker. 1,767,324; June 24.
- Air cleaner for utilizing mechanisms. E. C. Raney. 1,769,072; July 1.
- Air cleaner or filter for carburetors. W. V. Ludlam. 1,755,011; Apr. 15.
- Air-cleaning machine. T. Jacobson. 1,769,839; July 1.
- Air-cleansing device, Automotive. H. B. Anglemeyer. 1,781,742; Nov. 18.
- Air-compressing unit, Portable. H. W. Beach. 1,756,806; Apr. 29.
- Air compressor. R. P. Pescara. 1,757,215; May 6.
- Air compressor. B. Bischof. 1,786,595; Dec. 30.
- Air compressor. H. H. Vaughan and W. G. Cumming. 1,756,712; Apr. 29.
- Air conditioner for compartments and railway cars. C. F. Shadle. 1,762,837; June 10.
- Air conditioning and circulating apparatus. C. A. Moore. 1,762,520; June 10.
- Air-conditioning apparatus. F. F. Bahnson. 1,745,239; Jan. 28.
- Air-conditioning apparatus. A. T. Lewis, H. P. Gant, and R. R. Taliaferro. 1,751,043; Mar. 18.
- Air-conditioning appliance for precooling rooms. C. A. Moore. 1,762,521; June 10.
- Air-conditioning device. B. Offen. 1,779,679; Oct. 28.
- Air-conditioning device. E. J. Sweetland. 1,742,325; Jan. 7.
- Air-conditioning system. C. E. Lewis. 1,785,741; Dec. 23.
- Air control for internal-combustion engines. W. J. Dickson. 1,747,353; Feb. 18.
- Air control for internal-combustion engines. E. J. Hall. 1,784,006; Dec. 9.
- Air control for water-supply systems, Automatic. J. A. Anderson and W. H. Elmes. 1,749,797; Mar. 11.
- Air-cooled furnace block. V. G. Leach. 1,756,031; Apr. 29.
- Air-cooled motor. C. M. Crews. 1,766,608; June 24.
- Air-cooled motor. W. Wheeler. 1,774,741; Sept. 2.
- Air cooler. V. Wright. 1,786,185; Dec. 23.
- Air-cooling device. R. H. Hardin. 1,782,612; Nov. 25.
- Air-cooling device. R. B. Paysee. 1,771,232; July 22.
- Aircraft. A. G. Boldridge. 1,754,007; Apr. 8.
- Aircraft. R. Bratu. 1,784,654; Dec. 9.
- Aircraft. V. J. Burnelli. 1,780,993; Nov. 11.
- Aircraft. C. H. Congdon. 1,766,167; June 24.
- Aircraft. C. H. Congdon. 1,778,782; Oct. 21.
- Aircraft. I. Covino. 1,754,817; Apr. 15.
- Aircraft. J. A. Cuddy. 1,742,461; Jan. 7.
- Aircraft. M. H. de Hora. 1,784,723; Dec. 9.
- Aircraft. J. Domenjoz. 1,752,241; Mar. 25.
- Aircraft. C. L. Fortier. 1,763,507; June 10.
- Aircraft. J. M. Gwinn, jr. 1,769,574; July 1.
- Aircraft. R. Hamburger. 1,771,083; July 22.
- Aircraft. A. Hansen. 1,765,917; June 24.
- Aircraft. G. W. Hardin. 1,754,211; Apr. 8.
- Aircraft. E. Hebert. 1,769,738; July 1.
- Aircraft. E. H. Herbig. 1,751,631; Mar. 25.
- Aircraft. C. H. Iwanowicz. 1,785,775; Dec. 23.
- Aircraft. A. S. James. 1,766,906; June 24.
- Aircraft. S. F. Kumor. 1,785,633; Dec. 16.
- Aircraft. C. V. Lapin. 1,766,390; June 24.
- Aircraft. L. C. McCartney. 1,769,356; July 1.
- Aircraft. P. Maiwurm. 1,743,467; Jan. 14.
- Aircraft. R. E. Monjoust. 1,778,906; Oct. 21.
- Aircraft. C. J. Mulzer. 1,757,918; May 6.
- Aircraft. H. C. Pratt. 1,777,992; Oct. 7.
- Aircraft. L. J. Rasmussen. 1,770,088; July 8.
- Aircraft. A. A. Reid. 1,743,393; Jan. 14.
- Aircraft. H. C. Richardson. 1,774,526; Sept. 2.
- Aircraft. E. Rubin. 1,787,325; Dec. 30.
- Aircraft. B. M. Schauman. 1,758,377; May 13.
- Aircraft. R. S. Scott. 1,773,280-1; Aug. 19.
- Aircraft. G. B. Starkweather. 1,774,677; Sept. 2.
- Aircraft. J. Tantillo. 1,750,911; Mar. 18.
- Aircraft. A. P. Thurston. 1,775,977; Sept. 16.
- Aircraft. C. M. Vought. 1,774,342; Aug. 26.
- Aircraft. H. R. Wallace. 1,772,196; Aug. 5.
- Aircraft. E. B. Wilford. 1,772,586; Aug. 12.
- Aircraft, Amphibian. A. H. G. Fokker. 1,765,328-9; June 17.
- Aircraft, Amphibian. A. E. and H. O. Short. 1,777,232; Sept. 30.
- Aircraft, Amphibian. A. E. and H. O. Short. 1,779,754; Oct. 28.
- Aircraft and aircraft freight, Landing and launching. E. F. Tucker. 1,748,663; Feb. 25.
- Aircraft and the like, Multipower-plant transmission for. J. D. Van Vliet. 1,754,192; Apr. 8.
- Aircraft, Apparatus for determining the course of. K. Petschenig. 1,757,874; May 6.
- Aircraft, Apparatus for launching. W. A. D. Forbes. 1,777,167; Sept. 30.
- Aircraft, Apparatus for loading. C. H. Jacobs and A. F. Harshbarger. 1,744,638; Jan. 21.
- Aircraft, Arrangement of rudders for. H. Junkers. 1,766,025; June 24.
- Aircraft, Balancing system for. J. P. Tarbox. 1,752,119; Mar. 25.
- Aircraft comprising movable elements controlled by motors, Supporting plane for. A. Prosdoci. 1,744,080; Jan. 21.
- Aircraft construction. J. D. Bell. 1,773,340; Aug. 19.
- Aircraft construction. W. K. Gosner. 1,763,147; June 10.
- Aircraft construction. E. P. Jones. 1,761,444; June 3.
- Aircraft construction. W. M. Piggott. 1,784,027; Dec. 9.
- Aircraft, Controlling the operation of. A. H. G. Fokker. 1,778,892; Oct. 21.
- Aircraft covering. I. M. Jacobsohn and S. Truscott. 1,752,637; Apr. 1.
- Aircraft, Determining drift of. C. A. Snow, jr. 1,780,369; Nov. 4.
- Aircraft device. E. G. Still. Re17,868; Nov. 11.
- Aircraft empennage. E. L. Reynolds. 1,749,507; Mar. 4.
- Aircraft engine. M. J.-B. Barbarou. 1,775,926; Sept. 16.
- Aircraft, Floating dock for water. P. Degn. 1,752,894; Apr. 1.
- Air craft, Heavier-than-. J. W. Shean. 1,746,320; Feb. 11.
- Aircraft in flight, Apparatus for maintaining the direction of. R. Kauch and C. L. Paulus. 1,745,933; Feb. 4.
- Aircraft, Instrument panel for. C. E. Johnson. 1,754,954; Apr. 15.
- Aircraft landing gear. I. M. Laddon. 1,768,696; July 1.
- Aircraft, Landing hook for. R. J. Minshall. 1,760,881; June 3.
- Aircraft launching apparatus. E. M. Schmelz. 1,749,357; Mar. 4.
- Aircraft, Lighter-than-air. C. D. Burney and A. L. Bird. 1,768,541; July 1.
- Aircraft lights, Operating. S. D. Wiley. 1,754,134; Apr. 8.
- Aircraft motor. S. J. Velton. 1,780,450; Nov. 4.
- Aircraft, Navigation of. H. Junkers. 1,776,811; Sept. 30.
- Aircraft pontoon. J. A. Pendergrass. 1,755,932; Apr. 22.
- Aircraft, Position indicator for. J. T. Morse. 1,748,454; Feb. 25.
- Aircraft, Power distribution system for. H. Sundstedt. 1,747,334; Feb. 18.
- Aircraft power plant. J. Pavlecka. 1,779,186; Oct. 21.
- Aircraft propeller. G. G. Currie. 1,758,560; May 13.
- Aircraft propeller. J. R. Powell. 1,771,654; July 29.
- Aircraft propelling means, Pneumatic. O. K. Quast. 1,785,458; Dec. 16.
- Aircraft, Releasable closure and collapsible seat for. J. F. Smith. 1,779,338; Oct. 21.
- Aircraft, Retarding device for. L. S. Adams. 1,758,880; May 13.
- Aircraft, Rudder-bar adjustable foot rest for. E. G. McCauley. 1,745,501; Feb. 4.
- Aircraft safety device. G. F. Myers. 1,777,528; Oct. 7.

- Aircraft, Safety. W. C. Ward. 1,787,293; Dec. 30.
 Aircraft signal. J. P. Buckley and A. E. Nesbit. 1,758,927; May 20.
 Aircraft, Steering. A. Presser. 1,785,913; Dec. 23.
 Aircraft-steering system. M. M. Titterton. 1,770,244; July 8.
 Aircraft, Storage and conveying mechanism for. C. S. Hall. 1,777,083; Sept. 30.
 Aircraft, Structural design for. H. F. Lake. 1,749,951; Mar. 11.
 Aircraft supporting and controlling surface. J. Blondin. 1,775,386; Sept. 9.
 Aircraft, System for preventing the formation of ice on. F. McKinstry. 1,782,072; Nov. 18.
 Aircraft, Tail skid for. J. A. Pendergrass. 1,744,572; Jan. 21.
 Aircraft, Tandem-wheeled. F. F. Manor. 1,753,612; Apr. 8.
 Aircraft, Undercarriage for. R. B. C. Noorduy. 1,776,926; Sept. 30.
 Aircraft wing. J. B. Anderson. 1,777,279; Oct. 7.
 Aircraft wing. J. P. Glasby. 1,786,236; Dec. 23.
 Aircraft, Wing construction for. E. B. Carns. 1,750,832; Mar. 18.
 Air-cushioned mechanism. A. L. De Leeuw. 1,765,059; June 17.
 Air cut-off for automobile radiators. G. Kalenoff. 1,775,560; Sept. 9.
 Air deflector. E. W. Little. 1,747,448; Feb. 18.
 Air-directing device. T. Nelson. 1,754,961; Apr. 15.
 Air distributor for paper-making machines. A. de Repentigny. 1,771,558; July 29.
 Air drier. I. Lundgaard. 1,764,110; June 17.
 Air engine, Compressed. H. B. Archer. 1,776,963; Sept. 30.
 Air, etc., Apparatus for dehumidifying. A. K. Smith. 1,772,089; Aug. 5.
 Air extractor for pumps. U. E. Coons. 1,769,109; July 1.
 Air-feed-controlling device. L. C. Bayles. 1,743,090; Jan. 14.
 Air-feed-controlling device. E. B. Lear. 1,762,178; June 10.
 Air feed for hot-air heating apparatus. E. G. Miller. 1,765,537; June 24.
 Air feed for internal-combustion engines, Auxiliary. F. Fellows. 1,775,238; Sept. 9.
 Air-filter cells, Apparatus for cleaning. J. R. McConnell and A. S. Lewis, jr. 1,783,194; Dec. 2.
 Air-flow-indicating apparatus. C. H. Sanderson. 1,776,297; Sept. 23.
 Airfoil. C. C. Jones. 1,764,842; June 17.
 Airfoil and fuselage connection. V. J. Burnelli. 1,780,812; Nov. 4.
 Airfoil construction. H. H. Semmes. 1,752,701; Apr. 1.
 Airfoil control means. V. J. Burnelli. 1,774,474; Aug. 26.
 Airfoil. P. C. Yates. 1,786,472; Dec. 30.
 Air from an air lift pump, Apparatus for recovering waste. C. E. Denton. 1,745,085; Jan. 28.
 Air furnace, Warm-. R. W. Stockwell. 1,745,918; Feb. 4.
 Air, gases, or vapors, Apparatus for compressing. E. Vianello. 1,751,537; Mar. 25.
 Air gauge and control valve. P. Gwisdalla. 1,769,132; July 1.
 Air gun. J. B. Courenq. 1,747,348; Feb. 18.
 Air gun. C. F. Lefever. 1,766,179; June 24.
 Air gun. C. C. Loomis. 1,760,652; May 27.
 Air gun. E. S. Roe. 1,782,664; Nov. 25.
 Air haven for flying machines. D. C. Carver. 1,746,101; Feb. 4.
 Air heater. H. A. Atwater. 1,746,982; Feb. 11.
 Air heater. H. Baetz. 1,758,643; May 13.
 Air heater. J. E. Black. 1,785,334; Dec. 16.
 Air heater. R. Froelich. 1,776,725; Sept. 23.
 Air heater. E. Haber. 1,765,916; June 24.
 Air heater. D. S. Jacobus. 1,779,276; Oct. 21.
 Air heater. J. C. Kemnal. 1,770,208; July 8.
 Air heater. D. W. Lake. 1,767,082; June 24.
 Air heater. G. D. Nicholson. 1,771,812; July 29.
 Air heater. W. H. Owen. 1,777,148; Sept. 30.
 Air heater. D. Parker. 1,755,268; Apr. 22.
 Air heater. G. H. Phelps. 1,775,173; Sept. 9.
 Air heater. S. D. Rich. 1,785,649; Dec. 16.
 Air-heater cleaner. S. F. Cox. 1,769,987; July 8.
 Air heater, Fireplace. M. S. Quinliven. 1,783,140; Nov. 25.
 Air heater for carburetors. M. J. B. Barbarou. 1,772,237; Aug. 5.
 Air heater, Rotary. W. R. Wood. 1,762,320; June 10.
 Air heater, Sheet-metal. G. Bluemel. 1,761,173; June 3.
 Air heater, Tubular. C. D. Mosher. 1,757,327; May 6.
 Air-heating furnace. C. Becker and F. Kleinheksel. 1,752,938; Apr. 1.
 Air-heating furnace. R. E. Cramer. 1,755,727; Apr. 22.
 Air-heating system. L. J. Fisher. 1,766,816; June 24.
 Air humidifier, Automatic warm-. W. O. Thiele. 1,778,573; Oct. 14.
 Air-intake heater. L. Stearman. 1,757,483; May 6.
 Air into oxygen and nitrogen, Complete separation of liquid. A. Messer. 1,785,491; Dec. 16.
 Air-line hull and trash extractor. J. E. Mitchell. 1,750,852; Mar. 18.
 Air-line oiler. C. C. Hansen. 1,757,084; May 6.
 Airlines, Operating. A. H. G. Fokker. 1,768,754; July 1.
 Air liquefaction, Method of and apparatus for. I. H. Levin. 1,775,434; Sept. 9.
 Air lock and conveyer system. W. D. Philips. 1,753,158; Apr. 1.
 Air mixer. W. C. Brewer. 1,747,573; Feb. 18.
 Air mixer for gas engines, Forced. L. D. Schwab. 1,776,741; Sept. 23.
 Air moistener and cleaner. O. K. L. Drubba. 1,757,856; May 6.
 Air moistener for internal-combustion engines. E. Miller. 1,783,254; Dec. 2.
 Air-moistening device. S. C. Cutler. 1,744,826; Jan. 28.
 Air-moistening device for combustion engines. W. Hager and H. Rieker. 1,755,733; Apr. 22.
 Air-moistening device for incubators. G. Van. 1,746,505; Feb. 11.
 Air motor. J. Livingstone. 1,764,324; June 17.
 Air motor. D. R. Oliver. 1,783,669; Dec. 2.
 Air-navigating machine. J. A. La Bille. 1,775,284; Sept. 9.
 Air or oxygen with a flammable gas or vapor, Testing the flammable condition of a mixture of. N. J. Thompson. 1,779,569; Oct. 28.
 Air-piping device in connection with sunken submarine boats. B. Lieske. 1,775,595; Sept. 9.
 Airplane. G. E. Armington and R. G. Nightingale. 1,756,231; Apr. 29.
 Airplane. O. J. Barth. 1,760,865; June 3.
 Airplane. F. Bauer. 1,759,032; May 20.
 Airplane. W. W. Bird. 1,749,272; Mar. 4.
 Airplane. V. J. Burnelli. 1,747,695; Feb. 18.
 Airplane. V. J. Burnelli. 1,758,498; May 13.
 Airplane. V. J. Burnelli. 1,774,470; Aug. 26.
 Airplane. V. J. Burnelli. 1,780,813; Nov. 4.
 Airplane. S. H. Capelis. 1,745,600; Feb. 4.
 Airplane. E. B. Carns. Des. 80,563; Feb. 25.
 Airplane. T. F. Cooney. 1,785,477; Dec. 16.
 Airplane. J. Danko. 1,766,284; June 24.
 Airplane. C. H. Day and R. Komarnitsky. 1,774,593; Sept. 2.
 Airplane. F. A. Doyle and G. A. Lyons. 1,785,114; Dec. 16.
 Airplane. G. R. Engledow. 1,753,112; Apr. 1.
 Airplane. A. J. Erickson. 1,749,132; Mar. 4.
 Airplane. R. F. Hall. 1,773,225; Aug. 19.
 Airplane. G. D. Haskell. 1,771,847; July 29.
 Airplane. R. J. Haskell. 1,743,967; Jan. 14.
 Airplane. C. Kinzel. 1,746,042; Feb. 4.
 Airplane. R. J. Mellick and F. E. Loudy. 1,746,669; Feb. 11.
 Airplane. L. C. Milburn. 1,748,302; Feb. 25.
 Airplane. M. D. O'Donnell. 1,769,161; July 1.
 Airplane. H. J. Read. 1,749,959; Mar. 11.
 Airplane. F. Ries. 1,770,014; July 8.
 Airplane. I. K. Rystedt. 1,761,053; June 3.
 Airplane. H. M. Salisbury and A. E. Miller. 1,777,018; Sept. 30.
 Airplane. H. H. Simon. 1,783,590; Dec. 2.
 Airplane. L. Stearman. 1,786,136; Dec. 23.
 Airplane. G. C. St. Louis. 1,749,047; Mar. 4.
 Airplane. C. E. Sparhawk. 1,761,242; June 3.
 Airplane. H. Troll. 1,771,665; July 29.
 Airplane. R. H. Upson. 1,777,593; Oct. 7.
 Airplane. H. G. Williams. 1,776,139; Sept. 16.
 Airplane. E. A. Wright. Des. 81,770; Aug. 5.
 Airplane, Amphibian. F. G. Diago, Habana, Cuba. 1,765,214; June 17.
 Airplane and helicopter, Combined. S. G. Mewborn. 1,742,715; Jan. 7.
 Airplane and radiator therefor. A. S. Heinrich. 1,742,705; Jan. 7.
 Airplane and the like. A. H. G. Fokker. 1,763,228; June 10.
 Airplane and thermometer, Combined. F. Alessi. Des. 80,873; Apr. 8.
 Airplane appliance. R. E. S. Toomey and J. C. Evans. 1,749,858; Mar. 11.
 Airplane brake. H. Hiers. 1,766,074; June 24.
 Airplane brake. J. W. Seiden. 1,771,941; July 29.
 Airplane brake. C. J. Smith and H. A. Hicks. 1,746,017; Feb. 4.
 Airplane brake. C. D. Stewart. 1,778,127; Oct. 14.
 Airplane, Buoyant. F. Ries. 1,777,576; Oct. 7.
 Airplane construction. T. Borgan. 1,743,020; Jan. 7.
 Airplane construction. W. A. Endter. 1,760,485; May 27.
 Airplane construction. A. H. G. Fokker. 1,773,481; Aug. 19.
 Airplane construction. C. L. Rockwell. 1,774,726; Sept. 2.
 Airplane construction. H. Sundstedt. 1,748,252; Feb. 25.
 Airplane construction. C. G. Thompson. 1,757,603; May 6.
 Airplane construction, Juvenile. H. L. Kraefft. 1,754,430; Apr. 15.
 Airplane control. W. Stelzer. 1,782,750; Nov. 25.
 Airplane control. W. B. Stout. 1,785,879; Dec. 23.
 Airplane-control mechanism. M. Morrill. 1,749,256; Mar. 4.
 Airplane control stick. O. H. Madorie. 1,755,124; Apr. 15.
 Airplane cycle. J. Biagi. 1,777,781; Oct. 7.
 Airplane-empennage construction. V. J. Burnelli. 1,774,473; Aug. 26.
 Airplane flotation apparatus, Automatic control for. E. Mayman. 1,781,291; Nov. 11.

- Airplane flotation system. F. M. Salisbury. 1,776,865; Sept. 30.
- Airplane hangar. R. L. Mills. 1,777,376; Oct. 7.
- Airplane-landing device. A. C. Gonzalez. 1,786,649; Dec. 30.
- Airplane landing-speed-retarding device. O. Alvistur. 1,765,818; June 24.
- Airplane lifter. A. R. Springer. 1,766,844; June 24.
- Airplane-loading device. B. M. Tuxhorn. 1,744,934; Jan. 28.
- Airplane propeller. F. A. Dumont. 1,784,894; Dec. 16.
- Airplane propeller, Reversible. A. Petrow. 1,776,980; Sept. 30.
- Airplane skid. F. S. Cotton. 1,784,274; Dec. 9.
- Airplane stopping device. B. Macfadden. 1,771,578; July 29.
- Airplane, Vertical lift. G. W. Windsor. 1,783,458; Dec. 2.
- Airplane, Vertical-rising. A. G. Bergman. 1,754,977; Apr. 15.
- Airplane wing. J. F. Auld. 1,771,567; July 29.
- Airplane wing. J. Bobo. 1,746,140; Feb. 4.
- Airplane wing. W. F. Cottrell and J. McAuliffe. 1,758,355; May 13.
- Airplane wing. M. Orr. 1,787,321; Dec. 30.
- Airplane wing. J. B. Slinn. 1,760,787; May 27.
- Airplane wing, Adjustable. A. N. Larsen. 1,747,637; Feb. 18.
- Airplane-wing connection. C. M. Johnson. 1,749,769; Mar. 11.
- Airplane-wing construction. T. Towle. 1,751,957; Mar. 25.
- Airplane-wing section. L. W. Gobble. 1,752,378; Apr. 1.
- Airplane-wing structure. C. A. Van Dusen. 1,769,005; July 1.
- Airplane wings, fuselages, and other structures, Constructing. A. H. G. Fokker. 1,765,791; June 1.
- Airplane wings, Rolling apron for. F. De La Tour Castelcicala. 1,785,300; Dec. 16.
- Airplane with foldable wings. J. J. Wargo. 1,772,405; Aug. 5.
- Airplanes, Auxiliary sustaining means for. J. F. Berry. 1,763,454; June 10.
- Airplanes, Controlling means for. G. W. Lyons. 1,786,668; Dec. 30.
- Airplanes, Insuring the safe landing of. E. Hammons. 1,744,889; Jan. 28.
- Airplanes, Loading. C. F. Jenkins. 1,770,700; July 15.
- Airplanes, Pneumatic suspension for. G. L. R. J. Messier. 1,780,531; Nov. 4.
- Airplanes, Safety device for. G. W. Wattles, jr. 1,775,415; Sept. 9.
- Airplanes, Surface control mechanism for. F. R. Canney. 1,750,089; Mar. 11.
- Airplanes, Sustaining and stabilizing attachment for. H. P. Finley. 1,755,058; Apr. 15.
- Airplanes, Sustaining attachment for. G. Halldin. 1,757,630; May 6.
- Airport. J. S. Donaldson. 1,776,111; Sept. 16.
- Airport flood-lighting projector. O. Werner. 1,765,354; June 17.
- Air preheater. H. R. Carr. 1,771,995; Aug. 5.
- Air preheater. M. M. Yale. 1,777,065; Sept. 30.
- Air preheater for locomotives. F. Ljungström. 1,762,445; June 10.
- Air preheater for manifolds. E. H. Falk. 1,783,781; Dec. 2.
- Air preheater, Regenerative. F. Ljungström. 1,762,446; June 10.
- Air-preheating device. J. Rydmark. 1,781,303; Nov. 11.
- Air-pressure apparatus for automobiles. J. Hanson. 1,756,192; Apr. 29.
- Air pressure, Device for controlling. J. C. Hagey. 1,771,716; June 24.
- Air-pressure gauge. W. C. Urton. 1,768,275; June 24.
- Air, Process and apparatus for purifying. A. L. Dotter. 1,767,057; June 24.
- Air, Process and apparatus for purifying. P. O. Rockwell. 1,781,664; Nov. 11.
- Air purifier. M. Madsen. 1,768,468; June 24.
- Air purifier. N. A. Stratton. 1,778,571; Oct. 14.
- Air purifier and cooler. F. T. Bogard. 1,758,997; May 20.
- Air purifier for closed cars. E. Ferrara. 1,757,080; May 6.
- Air purifier for toilets. H. H. Root. 1,774,156; Aug. 26.
- Air register. R. H. Wager. 1,758,339; May 13.
- Air register, Warm-. C. A. Norton and A. Kunz. 1,769,931; July 8.
- Air release for air brakes, Automatic. P. A. Manning and J. W. Gates. 1,782,268; Nov. 18.
- Air-relief device. A. Buss. 1,749,128; Mar. 4.
- Air-reserve tank. H. C. Ritter. 1,759,278; May 20.
- Air scavenging and charging blower for engines. E. Klingelfuss and A. Baumann. 1,763,791; June 17.
- Air separator. T. J. Sturtevant. 1,746,686; Feb. 11.
- Air separator. T. J. Sturtevant. 1,769,721; July 1.
- Air separator. T. J. Sturtevant. 1,779,993; Oct. 28.
- Air service station. J. C. Woodford. 1,752,048; Mar. 25.
- Airship. L. Balazinski. 1,784,775; Dec. 9.
- Airship. G. A. Bess. 1,744,257; Jan. 21.
- Airship. J. M. Boscardin. 1,775,062; Sept. 2.
- Airship. W. E. Dörr. 1,754,883; Apr. 15.
- Airship. G. A. Eagles. 1,758,076; May 13.
- Airship. C. Giudice. 1,760,692; May 27.
- Airship. H. J. Ross. 1,753,068; Apr. 1.
- Airship. R. H. Upson. 1,763,835; June 17.
- Airship construction. V. A. M. E. Brahy. 1,752,831; Apr. 1.
- Airship, Dirigible. H. Park and W. R. Litzenberg. 1,778,273; Oct. 14.
- Airship fins and stabilization. R. H. Upson. 1,750,141; Mar. 11.
- Airship landing and mooring mast. I. N. Kinney. 1,776,511; Sept. 23.
- Airship mooring mast, Dirigible-. R. P. Fox. 1,743,962; Jan. 14.
- Airship of the rigid type, Metallic. T. B. Slate. 1,780,448; Nov. 4.
- Airship of the rigid type, Traffic. J. Schulz. 1,775,604; Sept. 9.
- Airship, Rigid. C. D. Burney, B. N. Wallis, N. S. Norway, and J. E. Temple. 1,781,100; Nov. 11.
- Airship, Rigid. C. D. Burney, B. N. Wallis, and J. E. Temple. 1,758,143; May 13.
- Airship, Rigid. S. P. Putusz. 1,742,969; Jan. 7.
- Airship, Stabilized. F. Short. 1,772,161; Aug. 5.
- Airship terminal. G. Betancourt. 1,753,592; Apr. 8.
- Airships, Berthing. C. D. Burney. 1,749,065; Mar. 4.
- Airships, Bulkhead for. P. Helma and W. B. Klemperer. 1,763,585; June 10.
- Airships, Bulkhead for. W. Siegle. 1,754,866; Apr. 15.
- Airships, Main ring for rigid. K. Arnstein. 1,779,387; Oct. 21.
- Airships, Mooring for. F. H. Clergue. 1,751,543; Mar. 25.
- Airships, Mooring of. H. V. Thaden. 1,748,500; Feb. 25.
- Airships, Propelling means for. F. G. Landwehr. 1,751,824; Mar. 25.
- Airships, Stabilizing apparatus for. W. B. Klemperer. 1,763,590; June 10.
- Air shovel. T. A. O'Neil. 1,747,258; Feb. 18.
- Air-speed indicator. W. Gilbert. 1,786,841; Dec. 30.
- Air spring, Variable-load. E. L. Beecher. 1,776,279; Sept. 23.
- Air-straining device. C. C. Farmer. 1,750,632; Mar. 18.
- Air supply for can baskets. J. A. Martocello. 1,758,614; May 13.
- Air-supplying means for closed-top gas-stove burner. F. A. Geriche and W. S. Smith. 1,764,718; June 17.
- Air-tempering apparatus. W. B. Selzer. 1,770,813; July 15.
- Air tester. E. H. McFarland. 1,781,121; Nov. 11.
- Air under pressure, Apparatus for supplying. C. G. Wilson. 1,767,337; June 24.
- Air washing and drying process for ice-making machines. J. Folco. 1,745,751; Feb. 4.
- Airway for amusement purposes, Play. B. Wilson. 1,767,496; June 24.
- Alarm: See—
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| Batchmeter preliminary alarm. | Locking and brake alarm. |
| Burglar alarm. | Musical alarm. |
| Farm alarm. | Switch alarm. |
| Fire alarm. | Theft alarm. |
| | Tire alarm. |
- Alarm. A. C. Brueckmann. 1,774,416; Aug. 26.
- Alarm. J. B. Pegram. 1,781,245; Nov. 11.
- Alarm. J. S. Van Guilder. 1,772,232; Aug. 5.
- Alarm apparatus. J. A. Bolduc. 1,781,096; Nov. 11.
- Alarm apparatus. J. A. Bolduc. 1,782,190; Nov. 18.
- Alarm apparatus for the prevention of gas poisoning. A. N. Olsson and P. D. Peterson. 1,783,974; Dec. 9.
- Alarm control unit. E. Bellman. 1,784,479; Dec. 9.
- Alarm device. E. Bahr. 1,782,378; Nov. 18.
- Alarm device. D. A. Gillen. 1,776,221; Sept. 16.
- Alarm device. J. A. McElroy. 1,745,859; Feb. 4.
- Alarm device, Constant-. H. G. Carlson. 1,762,009; June 3.
- Alarm device, Electric. E. E. Scott and E. H. Bridenbaugh. 1,779,987-8; Oct. 28.
- Alarm device, Fire-. H. Michelman. 1,781,855; Nov. 18.
- Alarm device, Low-water. C. A. Gustafson. 1,769,639; July 1.
- Alarm device, Retard. R. M. Hopkins. 1,763,967; June 17.
- Alarm for safes, Burglar signal. J. Kerekes. 1,776,121; Sept. 16.
- Alarm signal, Automatic. T. Pernek, sr. 1,750,488; Mar. 11.
- Alarm switch, Mine-hoist. T. R. Cook and D. N. Smith. 1,761,708; June 3.
- Alarm switch, Tank-. E. C. Johnstone. 1,776,287; Sept. 23.
- Alarm switch, Tire-. W. H. Bone, jr. 1,775,629; Sept. 16.
- Alarm system. C. Chierighino. 1,768,115; June 24.
- Alarm system. C. A. Elmore. 1,742,465; Jan. 7.
- Alarm system. H. A. Frederick. 1,762,973; June 10.
- Alarm system, Bank-vault. R. M. Hopkins and F. P. McIntosh. 1,772,422; Aug. 5.
- Alarm system, Burglar-. J. J. Kertz. 1,758,523; May 13.
- Alarm system, Fire-. V. Durbin. 1,786,524; Dec. 30.
- Alarming device. S. Corazzo. 1,772,859; Aug. 12.
- Alarms, Retarding device for sprinkler-system. W. B. Griffith. 1,744,683; Jan. 21.
- Albumin and producing it, Soluble. E. M. Meyer. 1,754,521; Apr. 15.
- Albumino-caseins of vegetable origin and for the separation of such albumino-caseins from amylaceous matter, Extraction of the. H. Beaufour. 1,755,531; Apr. 22.
- Alcohol, Dedydration of impure ethyl. E. Ricard. 1,763,722; June 17.
- Alcohol, Denatured. W. J. Bannister. 1,779,687; Oct. 28.

- Alcohol, Fermentation process for producing acetone and butyl. G. W. Freiberg. 1,744,958; Jan. 28.
- Alcohol-gel, Ethyl. H. Ohle and J. Othmar-Neuscheller. 1,783,133; Nov. 25.
- Alcohol in liquids, Apparatus for determining the. B. Stein. 1,747,742; Feb. 18.
- Alcohol, Making. F. E. Lichtenthaeler. 1,759,122; May 20.
- Alcohol, Making denatured. G. H. Condict. 1,777,035; Sept. 30.
- Alcohol, Manufacture of. W. L. Owen. 1,748,791; Feb. 25.
- Alcohol, Manufacture of absolute. E. Ricard. 1,744,503-4; Jan. 21.
- Alcohol, Manufacturing absolute. R. B. Crowell. 1,761,779; June 3.
- Alcohol, Preparation of condensation products of ethyl. W. O. Herrmann and E. Baum. 1,755,692; Apr. 22.
- Alcohol, Producing anhydrous. O. Leonori. 1,751,211; Mar. 18.
- Alcohol, Purification of synthetic methyl. E. Tschunkur and A. Klamroth. 1,744,180; Jan. 21.
- Alcohol, Purifying phenylethyl. E. C. Britton. 1,752,365; Apr. 1.
- Alcohol, Treating ethyl. C. Haner. 1,783,086; Nov. 25.
- Alcoholic solution, Noncorrosive. W. S. Calcott and H. W. Walker. 1,754,457; Apr. 15.
- Alcoholic solution, Noncorrosive. W. S. Calcott and H. W. Walker. 1,771,985; Aug. 5.
- Alcoholic solutions, Noncorrosive. W. S. Calcott and H. W. Walker. 1,752,145; Mar. 25.
- Alcohols, Dehydrogenating. K. B. Lacy. 1,764,962; June 17.
- Alcohols, Production of. O. Loehr. 1,787,205; Dec. 30.
- Aldehyde amine condensation product. I. Williams and W. B. Burnett. 1,780,326; Nov. 4.
- Aldehyde amine condensation products. W. B. Burnett and I. Williams. 1,780,334; Nov. 4.
- Aldehyde and antioxidant agent and process. H. A. Morton. 1,766,760; June 24.
- Aldehyde or aldehyde-containing compound and making the same, Stabilized. E. C. Kunz. 1,757,967; May 13.
- Aldehydic group into heterocyclic nitrogen compounds, Introducing an. G. Kalischer and H. Scheyer, and K. Keller. 1,763,557; June 10.
- Aldol condensation product and vulcanization of caoutchouc therewith. L. B. Sebrell. 1,754,865; Apr. 15.
- Alfalfa, clover, and other hard-shelled seeds to promote prompt germination and remove weed seeds therefrom, Treating. H. R. Warren. 1,756,497; Apr. 29.
- Aligning device for driven belts. C. J. Veale. 1,770,957; July 22.
- Aligning means, Duct-end outlet. L. A. Sharp. 1,782,548; Nov. 25.
- Aliment-forming device. J. C. Bergner. 1,775,617; Sept. 9.
- Alkali chlorides, Cell for electrolyzing solutions of. E. Krebs. 1,753,123; Apr. 1.
- Alkali-earth metal phosphates from primary alkali phosphate solutions, Separating. F. Draisbach. 1,744,371; Jan. 21.
- Alkali from natural brine, Production of. R. Cummings. 1,751,132; Mar. 18.
- Alkali metal hypochlorite and alkali metal chlorite, Obtaining solid mixtures of. A. Oppé. 1,748,897; Feb. 25.
- Alkali-metal sulphhydrates, Making. H. P. Bassett. 1,766,810; June 24.
- Alkali-metal xanthates, Recovering. W. Hirschkind. 1,753,787; Apr. 8.
- Alkali, Recovering. R. H. McKee. 1,753,128; Apr. 1.
- Alkali stannates, arsenates, and antimonates, Treating mixtures of. A. E. Hall. 1,747,709; Feb. 18.
- Alkalies, Continuous production of fused caustic. E. Bürgin and W. Schmid. 1,786,516; Dec. 30.
- Alkaline condensation products of bz-1-ethers of benzanthrone. K. Thiess, W. Gmelin, and K. Zahn. 1,766,413; June 24.
- Alkaline earth metal salts of arsenobenzene derivatives. R. Werner and A. Rothmann. 1,779,649; Oct. 28.
- Alkaline-earth titanates, Production of. R. H. Monk and L. Firing. 1,760,513; May 27.
- Alkaline ferric solution, Stable. W. J. Huff, D. L. Jacobson, and W. H. Hill. 1,786,490; Dec. 30.
- Alkaline oxidant and aluminum metal. A. Pietzsch and G. Adolph. 1,765,344; June 17.
- Alkaline pulps, Refining. G. A. Richter. 1,773,320; Aug. 19.
- Alkaline waters or brines to obtain therefrom commercially-useful substances, Treating natural. J. G. Miller and A. C. Houghton. 1,759,361; May 20.
- Alkoxyderivatives of 1-aminonaphthalene-8-carboxylic acid-anhydride and making same. R. Herz and F. Schulte. 1,779,314; Oct. 21.
- Alkoxy-3-keto-dihydrothionaphthenes and making them. E. Runne, K. Moldaenke, and E. Fischer. 1,765,703; June 24.
- Alkyl esters of abietic acid, Producing. A. C. Johnston. 1,749,482-3; Mar. 4.
- Alkyl formates, Manufacture of. R. Wietzel. 1,782,591; Nov. 25.
- Alkyl groups in the aromatic nucleus, Substituting. A. Verley. 1,756,575; Apr. 29.
- Alkyl ketones of the anthracene series, Production of. A. Lüttringhaus and F. Kacer. 1,766,443; June 24.
- Alkylolphenols, Dialkylamino-alkylethers of. H. Hahl. 1,754,677; Apr. 15.
- Alkylphenols, New dialkylamino-alkylethers of. H. Hahl. 1,754,678; Apr. 15.
- Alkyl-phenyl ether. I. Ostromislensky. 1,785,327; Dec. 16.
- Alkyl sulphates and alcohols therefrom, Producing. S. Born and R. M. Isham. 1,744,207; Jan. 21.
- Alkylation products of pyrazolanthrone. P. Nawiasky, A. Krause, and A. Holl. 1,766,719; June 24.
- Alloy. M. E. Barker. 1,757,507-8; May 6.
- Alloy. P. Berthélemy and H. De Monthy. 1,750,700; Mar. 18.
- Alloy. A. G. Krans. 1,776,948; Sept. 30.
- Alloy. C. Pack and J. C. Fox. 1,767,011; June 24.
- Alloy. J. V. O. Palm. 1,764,034; June 17.
- Alloy. C. Philippossian. 1,783,139; Nov. 25.
- Alloy. W. R. Saltrick. 1,770,433; July 15.
- Alloy. J. N. White. 1,785,372; Dec. 16.
- Alloy. J. E. Woodward. 1,753,162; Apr. 1.
- Alloy, Acid-resistant. C. E. Plummer. 1,753,904; Apr. 8.
- Alloy, Aluminum. T. S. Fuller and D. Basch. 1,760,549; May 27.
- Alloy, Aluminum. A. Geyer. 1,750,751; Mar. 18.
- Alloy, Aluminum. H. C. Hall and F. Bradbury. 1,744,545; Jan. 21.
- Alloy, Aluminum. H. C. Hall and T. F. Bradbury. 1,782,300; Nov. 18.
- Alloy and cutting tool made therefrom. B. E. Field. 1,750,796; Mar. 18.
- Alloy and forming the same, Metal. J. J. Olsen. 1,759,169; May 20.
- Alloy and heat treating the same, Copper nickel aluminum. W. A. Mudge. 1,755,557; Apr. 22.
- Alloy and heat treating the same, Heat-treated nickel-copper-aluminum. W. A. Mudge. 1,755,554; Apr. 22.
- Alloy and making same, Hard-metal. K. Schröter. Re17,624; Mar. 18.
- Alloy and making the same, Tin-coated chromium iron. L. Schulte. 1,776,603; Sept. 23.
- Alloy and of articles made thereof, Production of metal. W. Schrobdsorff. 1,742,417; Jan. 7.
- Alloy, Bearing. J. V. O. Palm and E. C. Knuth. 1,745,314; Jan. 28.
- Alloy block for soldering. F. W. Koch. 1,750,671; Mar. 18.
- Alloy, Cast-iron. C. Taylor and H. L. Greene. 1,762,109; June 3.
- Alloy, Ferrous. B. D. Saklatwalla. 1,781,527; Nov. 11.
- Alloy for electrical contacts. E. F. Kingsbury. 1,779,602-3; Oct. 28.
- Alloy for tools and their production, Hard. K. Schröter. 1,774,849; Sept. 2.
- Alloy, Heat-treated copper-nickel-aluminum. W. A. Mudge. 1,755,556; Apr. 22.
- Alloy, High-speed tool-steel. G. R. Couis. 1,756,282; Apr. 29.
- Alloy, Incorrodible, aluminum. H. Schorn. 1,747,796; Feb. 18.
- Alloy, Iron-carbon. A. Sauveur. 1,745,645; Feb. 4.
- Alloy, Iron-nickel. F. Stäblein. 1,760,326; May 27.
- Alloy, Lead. S. Beckinsale and H. Waterhouse. 1,766,871; June 24.
- Alloy, Light metal. J. A. Gann. 1,743,849; Jan. 14.
- Alloy, Magnetic. B. Fetkenheuer and H. Neumann. 1,772,771; Aug. 12.
- Alloy, Magnetic. W. S. Smith and H. J. Garnett. 1,746,500; Feb. 11.
- Alloy, Magnetic. W. S. Smith and H. J. Garnett. 1,748,311; Feb. 25.
- Alloy, Metallic. H. J. Lorang. 1,753,748; Apr. 8.
- Alloy, Noncorrosive aluminum. R. Sterner-Rainer. 1,742,557; Jan. 7.
- Alloy of high surface stability comprising nickel and silicon. P. A. E. Armstrong and R. P. De Vries. 1,759,477; May 20.
- Alloy of steel and treating the alloy. C. P. Beath and B. J. Babbitt. 1,743,309; Jan. 14.
- Alloy, Pen-point. J. E. Woodward. 1,753,161; Apr. 1.
- Alloy, Plastic heat-treated aluminum. N. V. Hybinette. 1,785,774; Dec. 23.
- Alloy, Steel. L. M. Brown. Re17,846; Oct. 28.
- Alloy steel. J. A. Nelson. 1,778,226; Oct. 14.
- Alloy steel and making the same. R. E. Bissell. 1,761,866; June 3.
- Alloy structure. H. M. Williams and A. L. Boegehold. 1,766,865; June 24.
- Alloy, Unoxidizable. C. Contal. 1,771,773; July 29.
- Alloy, Welding. A. R. Lytle. 1,762,871; June 10.
- Alloy, White-metal. H. J. R. Overall. 1,771,899; July 29.
- Alloy wire. W. H. Bassett. 1,744,717; Jan. 28.
- Alloy, Zinc-base die-casting. E. A. Anderson. 1,779,525; Oct. 28.
- Alloys. F. W. Andrews. 1,743,303; Jan. 14.
- Alloys, Forming. P. A. E. Armstrong. 1,781,490; Nov. 11.
- Alloys, Making ductile iron chromium aluminum. V. B. Browne. 1,754,008; Apr. 8.
- Alloys, Making low-carbon ferro-. F. M. Becket. 1,748,750; Feb. 25.
- Alloys, Making magnetic. V. B. Browne. Re17,771; Aug. 12.
- Alloys, Manufacture of steel. H. C. Bigge and P. G. Paris. 1,770,508; July 15.
- Alloys of copper, nickel, and aluminum, Manufacture of. W. A. Mudge. 1,755,555; Apr. 22.

- Alloys of lead, Preparing homogeneous. G. Kränzlein, R. K. Müller, F. Brunträger, and H. Janz. 1,774,384; Aug. 26.
- Alloys, Pickling. L. L. Satler. 1,770,712; July 15.
- Alloys, Producing low-carbon. F. A. Fahrenwald. 1,757,298; May 6.
- Alloys, Purifying light metal. J. A. Gann. 1,754,788; Apr. 15.
- Alloys, Surface protection for magnesium. R. E. Lowe. 1,765,341; June 17.
- Alloys, Treating. N. B. Pilling. 1,744,242; Jan. 21.
- Alpha cellulose, Manufacturing. L. I. L. Durchman. 1,780,347; Nov. 4.
- Alpha-terpineol from pine oil, Separation of. L. T. Smith. 1,743,403; Jan. 14.
- Alternating-current bell. J. B. Feder. 1,744,375; Jan. 21.
- Alternating-current motor. H. Weichsel. 1,750,076; Mar. 11.
- Alternating-current motor, Synchronous. H. Weichsel. 1,747,198; Feb. 18.
- Alternator, High-frequency. J. Bethenod and E. Girardeau. 1,744,609; Jan. 21.
- Altimeter. C. F. Jenkins. 1,756,462; Apr. 29.
- Altimeter, Sensitive. G. P. Luckey. 1,749,494; Mar. 4.
- Altitudes, Device for determining solar. W. A. Cogshall. 1,770,461; July 15.
- Alumina by electrothermal reduction of the impurities in alumina containing raw materials, Making pure. H. Siegens. 1,787,124; Dec. 30.
- Alumina, Preparing pure. T. Suzuki, H. Tanaka, and T. Kurita. 1,785,464; Dec. 16.
- Alumina, Producing. E. C. Marburg. 1,778,083; Oct. 14.
- Alumino-thermic mixture, Preparing. R. W. Hyde. 1,751,550; Mar. 25.
- Aluminous materials for the production of aluminum sulphate and alumina therefrom, Treating. B. R. F. Kjellgren. 1,752,599; Apr. 1.
- Aluminous materials, Treating. B. R. F. Kjellgren. 1,752,641; Apr. 1.
- Aluminum and aluminum alloys, Producing. T. R. Haglund. 1,772,937; Aug. 12.
- Aluminum beryllium alloy. R. S. Archer and W. L. Fink. 1,774,542; Sept. 2.
- Aluminum by electrolysis, Manufacturing chemically pure. K. L. Meissner. 1,770,940; July 22.
- Aluminum chloride, Making. H. Blumenberg, jr. 1,764,501-2; June 17.
- Aluminum chloride, Manufacture of anhydrous. W. R. Anstin and J. N. Smith. 1,752,936; Apr. 1.
- Aluminum-chloride sludge, Renegeration of. E. B. Phillips and J. G. Stafford. 1,760,962; June 3.
- Aluminum compounds, Producing. T. R. Haglund. 1,772,936; Aug. 12.
- Aluminum halide from a double halide of aluminum and ammonium, Producing anhydrous. C. G. Miner. 1,754,797; Apr. 15.
- Aluminum ophorite. D. B. Bradner. 1,775,063; Sept. 2.
- Aluminum or aluminum alloys, Protecting surfaces of. G. D. Bengough and J. M. Stuart. 1,771,910; July 29.
- Aluminum-oxide materials, Treating. T. A. Mitchell. 1,772,359; Aug. 5.
- Aluminum oxide, Treating. T. A. Mitchell. 1,772,360; Aug. 5.
- Aluminum-silicon alloys free from carbide, Production of. C. von Girssewald. 1,747,197; Feb. 18.
- Aluminum sulphate, Production of basic. C. C. Feagley. 1,742,345; Jan. 7.
- Aluminum with halogen gases, Treating. R. J. Anderson. 1,743,515; Jan. 14.
- Amalgam mixer, Dental. F. D. Voigt. 1,774,954; Sept. 2.
- Amalgamator. J. J. Tinker. 1,750,868; Mar. 18.
- Amalgamator. J. F. Welsh. 1,744,427; Jan. 21.
- Amalgamator and separator, Centrifugal. P. A. Neumann. 1,767,893; June 24.
- Amalgamator and the like. R. A. English. 1,774,257; Aug. 26.
- Amines, Aminoalkylation of. W. Schulemann, F. Schönhöfer, and A. Wingler. 1,752,617; Apr. 1.
- Amines, Producing primary. W. Reppe. 1,762,742; June 10.
- Amines, Treating mixtures of. H. S. Adams and L. Meuser. 1,782,112; Nov. 18.
- Aminoalkylamino derivative of aromatic aminohydroxy or polyamino compounds. W. Schulemann and W. Kropp. 1,757,394; May 6.
- Amino-anthraquinone derivative and making same. O. Bally and P. Grossmann. 1,777,953; Oct. 7.
- Amino-azo compounds, Making. P. Dieterle. 1,785,769; Dec. 23.
- Amino compounds and products produced thereby, Catalytically hydrogenating aromatic. F. Klingemann, W. Lommel, E. Korten, and T. Goost. 1,782,729; Nov. 25.
- Aminophenol derivatives, Making. H. T. Clarke. 1,745,843; Feb. 4.
- Ammeter. J. E. Eshbaugh. 1,761,908-9; June 3.
- Ammeter. R. O. Helgeby. 1,761,917; June 3.
- Ammeter. J. Zubaty. 1,783,932; Dec. 2.
- Ammeter single-unit type. J. E. Eshbaugh. 1,742,697; Jan. 7.
- Ammonia-air mixtures, Apparatus for the production of. H. Pauling. 1,784,074; Dec. 9.
- Ammonia and its elements, Synthetically producing. G. F. Uhde. 1,750,551; Mar. 11.
- Ammonia, Catalytic oxidation of. O. Balz and F. Reuscher. 1,754,345; Apr. 15.
- Ammonia, Catalytic oxidation of. A. C. Jaeger. 1,765,352; June 17.
- Ammonia-factor gases, Preparing. F. H. Snyder and E. D. Newkirk. 1,760,014; May 27.
- Ammonia from gases and mixtures of gases containing ammonia, Separating. G. F. Uhde. 1,745,730; Feb. 4.
- Ammonia-gas detector. L. A. Havens, jr. 1,780,483; Nov. 4.
- Ammonia, Manufacture of. C. Urfer. 1,767,780; June 24.
- Ammonia, Oxidizing. F. G. Liljenroth. 1,744,652; Jan. 21.
- Ammonia, Process of and apparatus for making. F. H. Snyder and E. D. Newkirk. 1,760,013; May 27.
- Ammonia, Production of. L. C. Jones. 1,765,534; June 24.
- Ammonia-recovery process. J. Becker. 1,747,616; Feb. 18.
- Ammonia synthesis process. A. T. Larson. 1,771,130; July 22.
- Ammonia, Synthetic production of. R. S. Richardson. 1,750,649; Mar. 18.
- Ammonia, Synthetic production of. R. S. Richardson. 1,765,541; June 24.
- Ammonium bicarbonate, Stable. E. Dehnel. 1,766,705; June 24.
- Ammonium chloride, Manufacturing. J. W. Moore and W. G. Polack. 1,776,698; Sept. 23.
- Ammonium phosphate or mixed fertilizers containing ammonium phosphate by leaching of raw phosphate, Producing. F. G. Liljenroth. 1,758,448; May 13.
- Ammonium salt. E. W. Harvey. Re17,756; July 29.
- Ammonium-sulphate manufacture. F. G. Liljenroth. 1,758,449; May 13.
- Ammonium sulphates, Production of. R. C. Benner and A. H. Henninger. 1,769,938; July 8.
- Ammunition feed box and belt for machine guns. R. C. Coupland. 1,772,826; Aug. 12.
- Ammunition, Fixed. L. L. Driggs and B. Faber, jr. 1,754,986; Apr. 15.
- Amphibian mobile carrier. A. P. Lofstrand. 1,777,698; Oct. 7.
- Amphibian plane. J. C. Schleicher. 1,768,863; July 1.
- Amphibole of the asbestos variety, Treating. C. E. Miller. 1,750,725; Mar. 18.
- Amplification of electrical impulses. D. O. Whelan. 1,765,293; June 17.
- Amplification system. S. Cohen. 1,759,094; May 20.
- Amplification system. W. A. MacDonald. 1,781,759; Nov. 18.
- Amplification system. L. Thompson. 1,755,938; Apr. 22.
- Amplifier. A. V. Bedford. 1,784,653; Dec. 9.
- Amplifier. P. C. Gardiner. 1,752,839; Apr. 1.
- Amplifier. J. V. Godbery. 1,752,252; Mar. 25.
- Amplifier. L. L. Jones. 1,779,881; Oct. 28.
- Amplifier, Acoustic. H. E. Hall. 1,759,614; May 20.
- Amplifier arrangement, Multiple. E. Bellini. 1,763,388; June 10.
- Amplifier circuits, High-frequency. B. Bradbury. 1,758,779; May 13.
- Amplifier for airplanes, Sound. A. Bruni. 1,781,266; Nov. 11.
- Amplifier for coded train-control apparatus. G. W. Baughman. 1,772,796; Aug. 12.
- Amplifier of electrical currents. E. H. Loftin. 1,784,150; Dec. 9.
- Amplifier, Sound. A. E. Brandstrom. 1,744,101; Jan. 21.
- Amplifier, Sound. C. C. Flynn. 1,754,506; Apr. 15.
- Amplifier, Sound. E. B. Harrison. 1,776,902; Sept. 30.
- Amplifier, Sound. J. B. Hawley and R. H. Townsend. 1,765,486; June 24.
- Amplifier, Sound. F. C. Hinckley. 1,752,526; Apr. 1.
- Amplifier, Sound. L. Stevens. 1,772,645; Aug. 12.
- Amplifier, Sound. R. F. Tack. 1,764,059; June 17.
- Amplifier, Sound. T. G. Williams. 1,760,892; June 3.
- Amplifier system, Thermionic. B. B. Minnium. 1,765,603; June 24.
- Amplifier, Thermionic-tube. A. Rio and L. Lévy. 1,779,292; Oct. 21.
- Amplifier, Tone. G. A. Fude. 1,774,706; Sept. 2.
- Amplifier, Tuned radio frequency. R. S. Ohl. 1,755,266; Apr. 22.
- Amplifiers, Attachment for electric. B. Washington. 1,771,323; July 22.
- Amplifiers, Compensating system for. J. Bethenod. 1,783,557; Dec. 2.
- Amplifying and reproducing system. L. F. Douglass. 1,760,821; May 27.
- Amplifying and reproducing system, Speech. Le R. Mark. 1,755,484; Apr. 22.
- Amplifying device. R. S. Ohl. 1,765,607; June 24.
- Amplifying device, Sound-. J. A. Rayder. 1,744,800; Jan. 28.
- Amplifying system. J. R. Balsley. 1,768,658; July 1.
- Amplifying system. F. C. Barton. 1,778,058; Oct. 14.
- Amplifying system. B. Bradbury. 1,771,913; July 29.
- Amplifying system. W. H. T. Holden. 1,742,251; Jan. 7.
- Amplifying system. L. L. Jones. 1,770,524; July 15.
- Amplifying system, Distortionless. H. Nyquist. 1,751,527; Mar. 25.
- Amplifying system, Distortionless. H. Nyquist. 1,778,085; Oct. 14.
- Amplifying system, Radiofrequency. F. H. Mackenzie. 1,770,541; July 15.

- Amplifying tube, Audio and high frequency. S. Loewe. 1,744,653; Jan. 21.
- Amplifying unit, Input and output. E. G. Hoch and J. L. Wallin. 1,748,225; Feb. 25.
- Ampul. A. E. Smith. Des. 81,599; July 15.
- Ampul. A. E. Smith. 1,770,220; July 8.
- Ampul-filling device. H. Sickel. 1,767,902; June 24.
- Amusement apparatus. L. L. Custer. 1,748,210; Feb. 25.
- Amusement apparatus. M. Fertik. 1,743,536; Jan. 14.
- Amusement apparatus. H. Rochwarg. 1,776,196; Sept. 16.
- Amusement apparatus. T. W. B. Watling. 1,763,839; June 17.
- Amusement apparatus. J. Whiteley. 1,779,651; Oct. 28.
- Amusement arena. V. Beaudette. 1,770,124; July 8.
- Amusement device. J. N. Bartlett. 1,745,241; Jan. 28.
- Amusement device. L. L. Cook. 1,782,163; Nov. 18.
- Amusement device. A. De Freitas. 1,756,854; Apr. 29.
- Amusement device. F. L. Markey. 1,772,220; Aug. 5.
- Amusement device. M. McLennan. 1,749,918; Mar. 11.
- Amusement device. H. W. Sellner. 1,745,719; Feb. 4.
- Amusement device. J. A. Sherry. 1,759,170; May 20.
- Amusement device. A. Spillman. 1,750,494; Mar. 11.
- Amusement device. J. B. Watling. 1,785,848; Dec. 23.
- Amusement device, Aerial. L. L. Custer. 1,762,507; June 10.
- Amusement-device case. S. Shefras. Des. 82,227; Oct. 7.
- Amusement device, Electric. H. Souplis. 1,779,052; Oct. 21.
- Amusement-machine casing. J. F. Meyer. Des. 80,489; Feb. 11.
- Amusement railway. H. G. Traver. 1,767,627; June 24.
- Amusement ride. H. F. Maynes. 1,756,832; Apr. 29.
- Amusement ride. H. G. Traver. 1,767,626; June 24.
- Amusement ride and car therefor. H. G. Traver. 1,783,268; Dec. 2.
- Amusement ride apparatus. H. Johnson. 1,781,464; Nov. 11.
- Amusement structure. A. Forbes. Des. 82,404; Oct. 28.
- Amusement tower. I. D. Patterson. 1,750,857; Mar. 18.
- Anæsthetics, Production of. W. Schoeller and H. G. Al-lardt. 1,765,621; June 24.
- Anæsthetizing apparatus. J. A. Heidbrink. 1,763,305; June 10.
- Anæsthetizing apparatus. L. K. Riggs. 1,775,227; Sept. 9.
- Analyzer. J. W. Pearl. 1,762,585; June 10.
- Anchor. A. B. Chance. 1,748,109; Feb. 25.
- Anchor. W. Siebert. 1,782,449; Nov. 25.
- Anchor and pipe sleeve, Combined. S. C. Appel. 1,755,092; Apr. 15.
- Anchor and reel therefor. S. F. Bohm. 1,753,737; Apr. 8.
- Anchor, Bolt. H. J. Blakeslee. 1,758,924; May 20.
- Anchor, Bolt. J. Karitzky. 1,751,818; Mar. 25.
- Anchor, Bolt. H. W. Pleister and J. Karitzky. 1,754,333; Apr. 15.
- Anchor, Concrete. C. G. Prels. 1,761,800; June 3.
- Anchor, Concrete. O. Rice. 1,785,648; Dec. 16.
- Anchor, Cone. A. B. Chance. 1,756,534; Apr. 29.
- Anchor, Crosshead-guide. C. J. Black. 1,753,107; Apr. 1.
- Anchor davit. F. and B. M. Schuman. 1,749,193; Mar. 4.
- Anchor, Deep-sea. W. E. Hamilton. 1,758,911; May 13.
- Anchor device, Pipe. S. J. Strid. 1,774,678; Sept. 2.
- Anchor, Earth. W. A. Bates. 1,746,848; Feb. 11.
- Anchor, Earth. A. B. Chance. 1,755,811; Apr. 22.
- Anchor, Earth. A. R. Chance. 1,786,228; Dec. 23.
- Anchor, Earth. C. R. Pieper. 1,778,372; Oct. 14.
- Anchor, Expanding earth. J. Blackburn. 1,743,101; Jan. 14.
- Anchor, Fence-post. H. M. Pfenning. 1,764,975; June 17.
- Anchor for brake gears, Chain. A. F. O'Connor. 1,778,271; Oct. 14.
- Anchor for drilling mechanism. G. W. Hulshizer. 1,783,290; Dec. 2.
- Anchor for night candles. G. Gisolfi. Des. 80,416; Jan. 28.
- Anchor for wells. J. S. Abercromble. 1,774,911; Sept. 2.
- Anchor, Frame and plaster. I. A. Baum. 1,744,732; Jan. 28.
- Anchor insert for concrete work. D. H. Bitney. 1,764,772; June 17.
- Anchor-inserting machine. W. Koning. 1,751,410; Mar. 18.
- Anchor, Land. O. O. Hahn. 1,748,878; Feb. 25.
- Anchor, Land. H. M. Milliken. 1,775,317; Sept. 9.
- Anchor, Mounting. M. A. Wachs. 1,760,728; May 27.
- Anchor, Post. A. H. Nickerson. 1,774,288; Aug. 26.
- Anchor, Rail. M. Bruno. 1,759,499; May 20.
- Anchor, Rail. C. G. Ericson. 1,764,010-13; June 17.
- Anchor, Rail. A. F. Fifield. 1,754,120-1; Apr. 15.
- Anchor, Rail. A. F. Fifield. 1,777,750; Oct. 7.
- Anchor, Rail. A. F. Fifield. 1,777,840; Oct. 7.
- Anchor, Rail. H. M. Gillespie. 1,744,306; Jan. 21.
- Anchor, Rail. C. T. Hoffman. 1,767,981; June 24.
- Anchor, Rail. L. Kadar. 1,753,421; Apr. 8.
- Anchor, Rail. W. A. Kennedy. 1,782,170; Nov. 18.
- Anchor, Rail. W. R. McCollom. 1,747,874; Feb. 18.
- Anchor, Rail. G. L. Moore and J. R. Steele. 1,746,401; Feb. 11.
- Anchor, Rail. G. L. Moore and J. R. Steele. 1,760,275; May 27.
- Anchor, Rail. G. L. Moore and J. R. Steele. 1,777,991; Oct. 7.
- Anchor, Rail. G. L. Moore and J. R. Steele. 1,779,979; Oct. 28.
- Anchor, Rail. L. R. Parsons. 1,744,664; Jan. 21.
- Anchor, Rail. L. R. Parsons. 1,744,671; Jan. 21.
- Anchor, Rail. F. A. Preston. 1,781,191; Nov. 11.
- Anchor, Rail. C. B. Shepherd. 1,753,755; Apr. 8.
- Anchor, Rail. C. B. Shepherd. 1,756,071; Apr. 29.
- Anchor, Rail. C. B. Shepherd. 1,777,583; Oct. 7.
- Anchor, Rail. C. B. Shepherd. 1,780,444; Nov. 4.
- Anchor, Rail. A. H. Told. 1,753,223; Apr. 8.
- Anchor, Rail. H. G. Warr. 1,780,412; Nov. 4.
- Anchor, Railway-rail. A. E. H. Barili and J. A. Hyle. 1,749,558; Mar. 4.
- Anchor, Railway-rail. A. E. H. Barili and J. A. Hyle. 1,765,122; June 17.
- Anchor, Railway-rail. H. G. Norwood. 1,763,438; June 10.
- Anchor, Railway-rail. H. G. Norwood. 1,765,092; June 17.
- Anchor, Railway-rail. H. G. Norwood. 1,773,691; Aug. 19.
- Anchor, Railway-rail. H. G. Norwood. 1,780,714; Nov. 4.
- Anchor-rod clamp. H. E. Helm. 1,758,948; May 20.
- Anchor, Sign. H. A. Tyson. 1,745,517; Feb. 4.
- Anchor, Trolley. W. F. Eckart. 1,776,967; Sept. 30.
- Anchor weighing and casting mechanism. F. Schauman. 1,744,057; Jan. 21.
- Anchor, Whipstock. B. B. Lund. 1,774,755; Sept. 2.
- Anchor, Wood-buck. P. Gustavson. 1,779,127; Oct. 21.
- Anchorage device. H. Rosenberg. 1,784,755; Dec. 9.
- Anchorage device, Cushioning. H. E. Fritz. 1,784,897; Dec. 16.
- Anchorage for car roofs, Hoisting. E. G. Franck. 1,749,973; Mar. 11.
- Anchorage for poles. L. D. Bale. 1,784,568; Dec. 9.
- Anchorage means. C. Hopper and W. L. Arnold. 1,750,841; Mar. 18.
- Anchoring apparatus. J. H. Phillips. 1,746,050; Feb. 4.
- Anchoring apparatus. J. H. Phillips. 1,762,349; June 10.
- Anchoring device. J. H. Phillips. 1,752,999; Apr. 1.
- Anchoring means. L. Fountain. 1,771,406; July 29.
- Anchoring means, Strap. G. W. Elsey. 1,746,824; Feb. 11.
- Andiron. H. J. Gross. Des. 80,724; Mar. 18.
- Anethol from pine oil, Separating. L. T. Smith. 1,777,704; Oct. 7.
- Angle bar, Metallic. W. Loudon. 1,761,137; June 3.
- Angle-body type. L. B. Benton. 1,776,718; Sept. 23.
- Angle-cock device. G. W. Wildin. 1,758,727; May 13.
- Angle piece for dental purposes comprising a handle sleeve. H. Starck. 1,774,773; Sept. 2.
- Angle piece for roofs or sidings. A. Audet. 1,765,121; June 17.
- Angle trisector. S. F. Shibuya. 1,764,581; June 17.
- Anhydride, Refining crude phthalic. C. Conover. 1,755,242; Apr. 22.
- Animal bath. D. E. Smoot. 1,760,017; May 27.
- Animal carrier. A. S. Clayton. 1,754,610; Apr. 15.
- Animal-cleaning device. A. O. Engberg and T. E. D. Bilde. 1,770,749; July 15.
- Animal fibers and product thereof, Treatment of. A. Doser, G. Mauthe, and A. Thaus. 1,762,011; June 3.
- Animal figure. A. Klein. Des. 81,198; May 20.
- Animal figure. E. C. Segar. Des. 81,111; May 6.
- Animal hopple. H. L. Watson. 1,786,375; Dec. 23.
- Animal matter, Apparatus for processing. E. T. Meakin. 1,766,031; June 24.
- Animal matter, Apparatus for processing. E. T. Meakin. 1,766,033; June 24.
- Animal matter, Processing. E. T. Meakin. 1,766,032; June 24.
- Animal matter, Treatment of. D. Thomson. 1,758,987; May 20.
- Animal meats for the market, Preparing. P. C. Smith. 1,759,286; May 20.
- Animal organs and preparing the same, Solution of the active principle from. W. Ludwig and O. Schaumann. 1,752,916; Apr. 1.
- Animal-pinioning and jaw-opening device. M. H. Oviatt. 1,769,751; July 1.
- Animal poke. J. L. Roussey. 1,773,792; Aug. 26.
- Animal-racing apparatus. A. S. Valentine. 1,746,975; Feb. 11.
- Animal-racing device. A. Fay and J. L. Zehnder. 1,777,484; Oct. 7.
- Animal-skin products, Treating of. A. Farretti. 1,777,831-9; Oct. 7.
- Animal trap. H. W. Abel. 1,785,664; Dec. 16.
- Animal trap. W. G. Baker. 1,755,947; Apr. 22.
- Animal trap. F. C. Bloom. 1,749,372; Mar. 4.
- Animal trap. B. W. Booth. 1,782,253; Nov. 18.
- Animal trap. T. A. Clarkson. 1,781,163; Nov. 11.
- Animal trap. W. Clayton. 1,769,770; July 1.
- Animal trap. B. Couch. 1,742,187; Jan. 7.
- Animal trap. U. C. Evans. 1,747,108; Feb. 11.
- Animal trap. M. Di Filippo. 1,745,666; Feb. 4.
- Animal trap. D. L. Z. Fisher. 1,759,048; May 20.
- Animal trap. L. Hæge. 1,765,975; June 24.
- Animal trap. W. T. Jetton. 1,743,036; Jan. 7.
- Animal trap. D. Johnston. 1,744,901; Jan. 28.
- Animal trap. S. O. Kascak. 1,762,783; June 10.
- Animal trap. A. E. Kness. 1,758,952; May 20.
- Animal trap. E. Lee. 1,765,081; June 17.
- Animal trap. E. O. McCully. 1,747,380; Feb. 18.
- Animal trap. P. G. Midgett. 1,782,661; Nov. 25.
- Animal trap. W. J. Patterson. 1,744,412; Jan. 21.

- Animal trap. M. Poncelet. 1,743,389; Jan. 14.
 Animal trap. F. Radiker. 1,747,950; Feb. 18.
 Animal trap. C. M. Reed. 1,758,763; May 13.
 Animal trap. A. C. Richardson. 1,757,218; May 6.
 Animal trap. P. Rym. 1,778,403; Oct. 14.
 Animal trap. F. W. Schott. 1,770,584; July 15.
 Animal trap. E. F. Schroeder. 1,750,027; Mar. 11.
 Animal trap. J. E. Spilman. 1,783,144; Nov. 25.
 Animal trap. S. D. Trumbo. 1,752,041; Mar. 25.
 Animal trap. W. R. Waterman. 1,750,075; Mar. 11.
 Animal trap. J. W. Weatherly. 1,779,300; Oct. 21.
 Animal trap, Humane. H. C. Dorton. 1,745,609; Feb. 4.
 Animal tissues, Apparatus for cleaning edible. J. Randall. 1,781,301; Nov. 11.
 Animated device. A. Weinstein. 1,782,555; Nov. 25.
 Ankle joint, Artificial-limb. L. H. Barghausen. 1,767,868; June 24.
 Annealing. J. R. Cain. 1,784,221; Dec. 9.
 Annealing. G. S. Evans. 1,745,362; Feb. 4.
 Annealing apparatus. L. L. Lewis. 1,777,978; Oct. 7.
 Annealing, Apparatus for. H. M. Robertson. 1,752,697; Apr. 1.
 Annealing box. A. M. Capper. 1,753,261; Apr. 8.
 Annealing box. H. A. Fisher. 1,778,798; Oct. 21.
 Annealing box. H. Williams and J. W. McHugh. 1,764,768; June 17.
 Annealing box. M. P. Wilson. 1,777,595; Oct. 7.
 Annealing furnace. G. B. Shipley and H. Alinder. 1,782,481; Nov. 25.
 Annealing pot. M. W. Gleisner. 1,754,423; Apr. 15.
 Annealing pot. G. A. Hassel. 1,747,298; Feb. 18.
 Annealing pot. R. B. Pogue. 1,768,929; July 1.
 Annealing pot. R. S. Stewart. 1,754,372-4; Apr. 15.
 Annealing pot. R. S. Stewart. 1,768,719; July 1.
 Announcing apparatus. R. E. Lumpkin and R. A. Nove. 1,768,207; June 24.
 Annunciator. A. E. Garbut, D. Cochrane, and J. E. Watkins. 1,770,513; July 15.
 Annunciator. S. M. Kenerson. 1,745,623; Feb. 4.
 Annunciator. N. Unger. 1,767,233; June 24.
 Annunciator, Electric. J. J. Enneking. 1,784,961; Dec. 16.
 Anode and making same. W. J. Harshaw, P. M. Savage, and F. K. Bezenberger. 1,751,630; Mar. 25.
 Anode, Dual. O. V. Stewart and E. Urban. 1,765,706; June 24.
 Anode of carbonized iron or the like. L. Smede. 1,781,305; Nov. 11.
 Antenna. B. E. Banks. 1,748,823; Feb. 25.
 Antenna. J. Bethenod. 1,781,046; Nov. 11.
 Antenna. M. Jacobson. 1,747,008; Feb. 11.
 Antenna. J. J. McCarthy. 1,747,983; Feb. 18.
 Antenna. A. Meissner. 1,746,436; Feb. 11.
 Antenna. A. Meissner. 1,783,025; Nov. 25.
 Antenna. V. I. Pearson. 1,756,436; Apr. 29.
 Antenna eliminator and radio set protector. L. Ludwig. 1,772,776; Aug. 12.
 Antenna for radio receiving sets. C. A. Jayne. 1,745,096; Jan. 28.
 Antenna for radio systems. R. C. Agner. 1,761,608; June 3.
 Antenna, Loop. S. E. Anderson. 1,756,931; May 6.
 Antenna, Loop. J. H. Pressley. 1,747,262; Feb. 18.
 Antenna, Loop. A. F. Van Dyck. 1,763,382; June 10.
 Antenna selector and safety switch, Combined. S. Alseth and V. L. Neal. 1,753,043; Apr. 15.
 Antenna, Short-wave. F. Conrad. 1,768,666; July 1.
 Antenna, Space radiation. A. Meissner. 1,765,438; June 24.
 Antenna system. H. Chireix. 1,783,072; Nov. 25.
 Antenna system. F. Conrad. 1,750,347; Mar. 11.
 Antenna system. L. A. Taylor. 1,752,864; Apr. 1.
 Antenna system, Directive. C. R. Englund. 1,768,239; June 24.
 Antenna system for wireless communications. E. Y. Robinson. 1,747,027; Feb. 11.
 Antenna system, Staggered-wave. S. W. Dean. 1,773,097; Aug. 19.
 Antenna, Transposed and tapered. A. G. Chapman. 1,758,933; May 20.
 Antenna-tuning apparatus. L. L. Jones and J. Yolles. 1,761,211; June 3.
 Antenna, Wave. R. S. Hoyt. 1,758,044; May 13.
 Antenna weight. C. B. Mirick. 1,783,299; Dec. 2.
 Anthracene, Catalytic oxidation of. A. O. Jaeger. 1,786,950; Dec. 30.
 Anthracene, Purification of crude. A. O. Jaeger. Re17,902; Dec. 16.
 Anthracene, Purification of crude. R. A. Norton. 1,764,031; June 17.
 Anthracene, Purifying. C. J. Thatcher. 1,782,488; Nov. 25.
 Anthraquinone compounds and new hydrogenized products derived therefrom, Catalytically reducing. J. von Braun and O. Bayer. 1,751,670; Mar. 25.
 Anthraquinone compounds and new hydrogenized products derived therefrom, Catalytically reducing. J. von Braun and O. Bayer. 1,758,381-2; May 13.
 Anthraquinone intermediates, Manufacture and production of. W. W. Tatum. 1,776,869; Sept. 30.
 Anthraquinones, Manufacture of halogenated. A. W. Shepherdson, W. W. Tatum, and H. M. Bunbury. 1,776,932; Sept. 30.
 Antiaircraft offensive and defensive means. W. H. Mount. 1,759,912; May 27.
 Anticathode for discharge tubes. G. Holst, G. B. Jonas, and A. Bouwers. 1,754,716; Apr. 15.
 Anticraft fire, Projectile for. P. Locori. 1,744,233; Jan. 21.
 Antidazzle device for the headlights of motor vehicles. L. Harrison. 1,769,781; July 1.
 Antifreeze composition. J. G. Collins. 1,776,181; Sept. 16.
 Antifreeze compound. V. W. Haag, H. E. Bigler, and I. L. Haag. 1,742,349; Jan. 7.
 Antifreeze device. A. B. Wood. 1,778,138; Oct. 14.
 Antifreeze system, Automatic. C. A. Baughman. 1,773,338; Aug. 19.
 Antifriction attachment for vessels. A. L. Widdis. 1,783,322; Dec. 2.
 Antifriction roller. F. K. Kilian. 1,782,622; Nov. 25.
 Antifriction wheel. F. Beemer. 1,751,453; Mar. 18.
 Antifrost device. E. A. Thiem. 1,783,861; Dec. 2.
 Antifrost device and making the same. C. F. Walz. 1,768,872; July 1.
 Antifrost device for windows. H. H. Steinman. Re17,821; Oct. 7.
 Antiglare attachment. G. Marenti. 1,762,480; June 10.
 Antiglare attachment for wind shields of automobiles. A. S. John. Des. 81,242; May 27.
 Antiglare device. F. T. Conner. 1,781,777; Nov. 18.
 Antiglare device. W. O. Hunter. 1,745,695; Feb. 4.
 Antiglare device. M. G. Johns. 1,767,179; June 24.
 Antiglare device. F. A. Treiber. 1,782,393; Nov. 18.
 Antiglare device. R. Zigler. 1,749,729; Mar. 4.
 Antiglare device for vehicle headlights. W. H. Woolums. 1,773,071; Aug. 12.
 Antiglare system. A. Larquemin. 1,777,498; Oct. 7.
 Antileakage device. K. Schmidt. 1,772,963; Aug. 12.
 Antimony by electrolysis of acid electrolytes, Refining. H. Roscher. 1,780,944; Nov. 11.
 Antioxidant or age resister. A. M. Clifford. 1,779,390; Oct. 21.
 Antioxidant or age resister. A. M. Clifford. 1,785,692; Dec. 16.
 Antioxidant or age retarder. A. M. Clifford. 1,763,579; June 10.
 Antirattle device for motor vehicles. E. L. Wylie and E. H. Mohme. 1,777,344; Oct. 7.
 Antirattle spring device. H. E. Blomgren. 1,754,347; Apr. 15.
 Antirattler for windows. H. G. Jorgensen. 1,751,699; Mar. 25.
 Antirattling device. D. W. Mell. 1,754,115; Apr. 8.
 Antirattling device. F. G. Withrow. 1,750,080; Mar. 11.
 Antiricketic substances, Production of. A. J. Pacini. 1,771,343; July 22.
 Antiseptic agents, Production of. H. Wieland. 1,772,975; Aug. 12.
 Antiseptic and germicidal product. J. M. Schaffer. 1,745,508; Feb. 4.
 Antiseptic composition. V. Leonard. 1,771,895; July 29.
 Antishimmy device. G. F. Colley and T. W. Teddy. 1,748,866; Feb. 25.
 Antishimmy device. L. W. Shutts. 1,775,624; Sept. 9.
 Antisiphon device. A. E. Grant. 1,779,428; Oct. 28.
 Antisiphoning system. A. U. Walter. 1,784,918; Dec. 16.
 Antiskid cross member. O. F. Keiser. 1,749,636; Mar. 4.
 Antiskid device. J. Campanaro. 1,766,483; June 24.
 Antiskid device. L. A. Dunster. 1,777,964; Oct. 7.
 Antiskid device. E. Harvey. 1,776,728; Sept. 23.
 Antiskid device. A. Kahlow and W. H. Markham. 1,776,588; Sept. 23.
 Antiskid device. P. H. Letchford. 1,766,522; June 24.
 Antiskid device. D. J. Levinson. 1,771,542; July 29.
 Antiskid device. E. McKenney and H. McKenney. 1,770,040; July 8.
 Antiskid device. F. G. Parker. 1,752,024; Mar. 25.
 Antiskid device. J. A. Robinson. 1,742,729; Jan. 7.
 Antiskid device. G. D. Thomas. 1,748,253; Feb. 25.
 Antiskid device. J. A. Thompson. 1,742,942; Jan. 7.
 Antiskidding device. H. W. Heffer. 1,774,885; Sept. 2.
 Antispreading device. W. E. Everett. 1,765,220; June 17.
 Antisqueak strip. R. Drangeid. 1,760,838; May 27.
 Antitheft device for safes. M. E. Gill. 1,743,667; Jan. 14.
 Antivibration device. B. A. Morton. 1,771,229; July 22.
 Antiwear piece for bags, brief cases, and the like. C. Marks. 1,770,857; July 15.
 Anvil, Open-head blade. H. R. Bliss. 1,770,349; July 8.
 Apparatus and method for recovering precious metals. J. E. Hopkins. Re17,757; July 29.
 Apparatus for applying abrasive to polishing wheels. J. S. Porter. 1,775,110; Sept. 9.
 Apparatus for applying inert gas to filled cans. J. Young. 1,770,379; July 15.
 Apparatus for assembling and treating articles. C. Wales. 1,765,470; June 24.
 Apparatus for bringing an unbalanced rotative body into a state of balance. H. B. McCabe. 1,774,718; Sept. 2.
 Apparatus for burning coal dust. A. Hasselbach and F. Inther. 1,762,982; June 10.
 Apparatus for capping and paraffining the carbon rods of the dollies of electric dry batteries. E. Schmidt. 1,780,139; Oct. 28.
 Apparatus for cleaning castings. J. T. Stoney. 1,768,428; June 24.
 Apparatus for cleaning surfaces. S. A. Wier. 1,766,088; June 24.
 Apparatus for closing packets provided with a closure flap. R. W. Voigt. 1,766,860; June 24.

- Apparatus for collecting suspended dust. H. Waring. 1,761,377; June 3.
- Apparatus for cooling fluids. H. F. Merriam. 1,782,435; Nov. 25.
- Apparatus for cutting textile materials. W. Berry. 1,768,736; July 1.
- Apparatus for delivering measured quantities of liquids. M. E. Guermont. 1,773,178; Aug. 19.
- Apparatus for diagnosing human ailments. I. M. Rabino-witch. 1,783,451; Dec. 2.
- Apparatus for distant indication. N. E. Methlin. 1,775,368; Sept. 9.
- Apparatus for distributing fertilizer in soluble condition. C. C. Schrader. 1,763,374; June 10.
- Apparatus for dividing a mass of deformable material. C. W. Leguillon. 1,771,496; July 29.
- Apparatus for draining bundles of shingles and the like. H. E. Gosch. 1,773,265; Aug. 19.
- Apparatus for feeding closure caps. J. A. Johnson. 1,784,010; Dec. 9.
- Apparatus for feeding pulverized fuel to furnaces. F. H. Rosencrants. 1,772,290; Aug. 5.
- Apparatus for filling packages. E. A. Marsh. 1,766,444; June 24.
- Apparatus for flushing and dilating the urethral canal to facilitate the administering of radiant energy. F. R. Hart. 1,776,357; Sept. 23.
- Apparatus for flushing grease containers. C. R. Buchet. 1,764,387; June 17.
- Apparatus for freeing potatoes from germs. F. Brochet. 1,765,902; June 24.
- Apparatus for freezing materials. R. E. Kolbe. 1,777,094; Sept. 30.
- Apparatus for governing duplex machine drivers. R. Schnitzer. 1,766,548; June 24.
- Apparatus for handling loose material. C. E. Davis. 1,765,525; June 24.
- Apparatus for handling materials. D. S. Baker and B. Johnsen. 1,772,024; Aug. 5.
- Apparatus for handling materials. B. Johnsen. 1,772,047; Aug. 5.
- Apparatus for handling webs. A. M. Daniels. 1,773,709; Aug. 19.
- Apparatus for inducing flow of oil from wells. W. A. Mel-ton. 1,784,242; Dec. 9.
- Apparatus for maintaining a predetermined water level in steam boilers. G. H. Davin. 1,781,749; Nov. 18.
- Apparatus for marking coal. G. M. Thorn, H. W. Warden, jr., W. J. Blackburn, and A. E. Shannon. 1,770,051; July 8.
- Apparatus for massage combined with electrization. A. Souček. 1,776,329; Sept. 23.
- Apparatus for measuring earth resistances. M. Schleicher, D. Albrecht, W. Gaarz, and G. Keinath. 1,775,502; Sept. 9.
- Apparatus for opening cement sacks and dumping the cement into cement mixers. D. L. Lewis. 1,771,797; July 29.
- Apparatus for playing golf in restricted spaces or indoors. H. Hill. 1,781,230; Nov. 11.
- Apparatus for plucking poultry. E. L. Arminger. 1,760,392; May 27.
- Apparatus for preparing members for assembly. M. L. Strawn. 1,768,270; June 24.
- Apparatus for preventing the passing of danger signals. F. K. Schmidt. 1,783,857; Dec. 2.
- Apparatus for processing and cooking dried fruit. E. Hecker. 1,761,727; June 3.
- Apparatus for producing mold charges. W. J. Miller. Re17,761; Aug. 5.
- Apparatus for reducing gravel to sand. B. J. Coomes. 1,774,318; Aug. 26.
- Apparatus for reducing interference. P. Goldstone. 1,774,645; Sept. 2.
- Apparatus for regulating the temperature of the oil contained in the pumps of internal-combustion engines. S. C. Belfield. 1,762,464; June 10.
- Apparatus for releasing glider planes. O. Alvistur. 1,784,954; Dec. 16.
- Apparatus for removing articles from molds. R. D. Hulslander. 1,781,665; Nov. 11.
- Apparatus for rendering displays visible from all sides. F. Wlodarski. 1,782,834; Nov. 25.
- Apparatus for sealing paper containers. E. C. Angell. 1,775,113; Sept. 9.
- Apparatus for separating and collecting dust. J. Whitmore. 1,760,617; May 27.
- Apparatus for separating liquids of different specific gravities. W. Linnmann, jr. Re17,776; Aug. 26.
- Apparatus for skinning animals. L. E. Thomas. 1,764,425; June 17.
- Apparatus for sorting guts. H. Eberhardt. 1,765,909; June 24.
- Apparatus for storage rooms. Atmospheric conditioning. C. A. Moore. 1,769,155; July 1.
- Apparatus for stretching and drying laundered articles. A. O. Schramm. 1,770,553; July 15.
- Apparatus for testing hardness. W. I. Ballentine. 1,773,802; Aug. 26.
- Apparatus for testing surfaces. E. B. Gardner. 1,766,991; June 24.
- Apparatus for the continuous automatic discharge of mud from steam boilers and heaters of liquids. C. Piccardi. 1,774,211; Aug. 26.
- Apparatus for the recovery of dry distillation material. L. Honigmann and F. Bartling. 1,774,554; Sept. 2.
- Apparatus for transferring heat. J. F. Wait. 1,765,038; June 17.
- Apparatus for transporting finely-divided material. J. Crites. 1,772,245; Aug. 5.
- Apparatus for transporting freight. B. F. Fitch. 1,772,939; Aug. 12.
- Apparatus for treating and mixing comminuted or finely-divided materials. A. B. and C. R. Smith. 1,772,640; Aug. 12.
- Apparatus for treating sheet materials. K. Moller. 1,768,777; July 1.
- Apparatus for use in loading mine cars. J. A. Paisley. 1,785,593; Dec. 16.
- Apparatus for vacuumizing and gassing cans. J. M. Young. 1,770,380; July 15.
- Apparatus for washing and drying hands, Automatic. O. Haase. 1,765,915; June 24.
- Apparatus to prepare yarns for weaving. G. B. Cocker. 1,768,746; July 1.
- Apparatus unit. W. M. Bailey. 1,775,266; Sept. 9.
- Apparatus working with drawn or blown blast or gas, Continuous. A. D. H. L. Fassotte. 1,774,135; Aug. 26.
- Apparel. T. J. Howland. 1,781,842; Nov. 18.
- Apparel apparatus. M. Victorsohn. 1,751,777; Mar. 25.
- Apparel clasp. E. K. Chase. 1,763,132; June 10.
- Apparel-display device, Wearing-. J. H. Lopin. 1,744,050; Jan. 21.
- Apparel, Ornamented article of wearing. A. A. Glidden. 1,750,799; Mar. 18.
- Apparel suspension. A. H. Moginie. 1,754,862; Apr. 15.
- Apparel, Wearing. S. H. Camp. 1,775,509; Sept. 9.
- Apparel, Wearing. E. V. Crenshaw. 1,781,832; Nov. 18.
- Apparel, Wearing. J. J. Hayes. 1,783,505; Dec. 2.
- Apparel, Wearing. F. C. Merrilles. 1,787,117; Dec. 30.
- Apparel, Wearing. A. A. Person. 1,752,927; Apr. 1.
- Appliance for feet, Corrective. F. G. Page. 1,746,865; Feb. 11.
- Appliance for invalids. R. A. Austin. 1,782,672; Nov. 25.
- Appliance for mixing, beating, etc., Interchangeable. F. W. Parkhill. 1,782,245; Nov. 18.
- Appliance for operating upon sheets. J. E. Doyle. 1,786,153; Dec. 23.
- Appliance for peeling oranges and like fruits. C. F. Harley. 1,771,296; July 22.
- Appliance for the continuous filtration of slime. A. E. Pink. 1,772,684; Aug. 12.
- Appliance for treatment of diseases. B. L. Corley. 1,770,069; July 8.
- Applicator. W. P. Sprague. 1,775,329; Sept. 9.
- Applicator for toilet preparations. R. H. Van Sant. 1,752,765; Apr. 1.
- Apron. E. S. Baker. Des. 80,474; Feb. 11.
- Apron. L. E. Roehm. 1,776,044; Sept. 16.
- Apron. P. Siebel. 1,754,581; Apr. 15.
- Apron. A. H. Straus. 1,759,423; May 20.
- Apron and fasteners therefor, Butcher's. G. L. Pope and A. Cohen. 1,743,729; Jan. 14.
- Apron drier. A. W. Caps. 1,759,092; May 20.
- Apron for hairdressers, Rubber. M. D. Laverdiere. 1,742,995; Jan. 7.
- Apron overall. J. Fedorcak. 1,765,009; June 17.
- Apron, Sanitary. N. Brandt. 1,744,035; Jan. 21.
- Apron, Turpentine. J. O. Huxford. 1,783,650; Dec. 2.
- Aquarium. L. Venditti. Des. 82,230; Oct. 7.
- Aquarium and picture, Combined. C. Trovato. 1,777,944; Oct. 7.
- Aqueous dispersions, Apparatus for producing. A. L. Clapp. 1,787,339; Dec. 30.
- Aqueous dispersions, Producing. A. L. Clapp. 1,787,338; Dec. 30.
- Arbor. H. W. Langbein. 1,772,084; Aug. 5.
- Arbor, Expanding. W. J. Denning. 1,745,660; Feb. 4.
- Arc cutting apparatus, Electric-. V. B. Sounitza. 1,750,436; Mar. 11.
- Arc cutting, Electric-. P. P. Alexander. 1,746,208; Feb. 4.
- Arc-ground suppressor. R. Schimpf. 1,784,682; Dec. 9.
- Arc-quenching material. G. Steerup. 1,786,581; Dec. 30.
- Arc welding. M. R. Taylor. 1,751,668; Mar. 25.
- Arc welding system. R. E. Frickey and A. S. Kalenborn. 1,778,973; Oct. 21.
- Arch and arch brick, Refractory. A. H. Willett. 1,777,818; Oct. 7.
- Arch construction. E. C. Graveley. 1,747,362; Feb. 18.
- Arch construction, Refractory. B. Dobie. 1,760,121; May 27.
- Arch corrector. F. H. Griffith. 1,780,479; Nov. 4.
- Arch for shoes. J. E. Ludlam. 1,777,440; Oct. 7.
- Arch form. G. O. Harm. 1,779,735; Oct. 28.
- Arch insert. H. Lifschutz. 1,750,479; Mar. 11.
- Arch member for openings, Metal. T. Merryweather. 1,782,147; Nov. 18.
- Arch structure. B. Dobie. 1,759,102; May 20.
- Arch support. A. Hassink. 1,775,957; Sept. 16.
- Arch support. F. Kottek. 1,745,626; Feb. 4.
- Arch support. L. Lobel. 1,746,002; Feb. 4.
- Arch support. W. M. Scholl. 1,755,460; Apr. 22.
- Arch support, Foot. H. Sochor. 1,755,568; Apr. 22.
- Archery bow. W. Jordan. 1,779,277; Oct. 21.
- Area-estimating device for sheet material. B. S. Leslie. 1,780,237; Nov. 4.

- Area-way construction. G. H. Rau and W. L. Rau. 1,773,641; Aug. 19.
- Arm attachment for indicators. C. E. Ruf. 1,774,157; Aug. 26.
- Armchair. L. Bernhard. Des. 80,597; Mar. 4.
- Armchair, Reclining. J. Forst. Des. 81,971; Sept. 9.
- Arm clamp, Equalized. D. C. Klausmeyer. 1,764,514; June 17.
- Arm rest. M. M. Taylor. 1,760,450; May 27.
- Arm rest for automobiles. H. M. Loehr. 1,756,694; Apr. 29.
- Arm rest for motor vehicles. E. E. France. 1,758,693; May 13.
- Armature binding. H. K. Whitehorn. 1,778,376; Oct. 14.
- Armature-conveying apparatus. R. W. Baker. 1,753,640; Apr. 8.
- Armature core with a flexible strip, Method and machine for lining an. R. W. Baker. Re17,800; Sept. 16.
- Armature, Dynamo-electric-machine. V. G. Apple. 1,775,633; Sept. 16.
- Armature, Winding. V. G. Apple. 1,772,851; Aug. 12.
- Armature-winding apparatus. F. G. Dewey. 1,753,554; Apr. 8.
- Armatures, Apparatus for assembling. M. Henning. 1,753,605; Apr. 8.
- Armatures, Building. V. G. Apple. 1,742,190; Jan. 7.
- Armor, Body. A. Schaumann. 1,758,296; May 13.
- Aromatic derivatives of formamid, Manufacture of. R. Wietzel. 1,777,777; Oct. 7.
- Arrow, Archer's. G. E. Barnhart. 1,748,200; Feb. 25.
- Arrows, Process and apparatus for feathering. R. I. Case. 1,772,885; Aug. 12.
- Arsenic, antimony, and tin from mixtures of their salts, Recovering. C. A. Heberlein. 1,779,272; Oct. 21.
- Arsenic compounds containing anisoxazine ring, Manufacture of aromatic. G. Newbery. 1,771,307; July 22.
- Arteries, Ligating. S. Reisler. 1,749,261; Mar. 4.
- Article carriers, Unloading. H. W. Lormor. 1,753,933; Apr. 8.
- Article feeder. S. Eberly. 1,761,781; June 3.
- Article carrier. J. F. Maddocks and R. H. Whitman. 1,778,425; Oct. 14.
- Article of commerce and its production. S. M. Phelps. 1,774,812; Sept. 2.
- Article of manufacture. W. H. Sommer. 1,770,017; July 8.
- Article-serving apparatus for stores. B. A. Staley. 1,773,885; Aug. 26.
- Articles, Apparatus for arranging. C. H. Franks and M. R. Olsen. 1,750,315; Mar. 11.
- Articles, Apparatus for arranging. F. F. Jonkel and H. W. Larson. 1,750,310; Mar. 11.
- Articles, Apparatus for arranging. M. R. Olsen. 1,750,327; Mar. 11.
- Articles, Apparatus for arranging. R. H. Patchen and G. L. Rock. 1,750,329; Mar. 11.
- Articles, Apparatus for arranging and magazing. R. H. Patchen and G. L. Rock. 1,750,328; Mar. 11.
- Articles, Apparatus for assembling. A. S. Liss. 1,743,364; Jan. 14.
- Articles, Apparatus for handling. A. Winkler and M. Dünnebie. 1,755,720-1; Apr. 22.
- Articles, Apparatus for hardening. W. G. Hildorf. 1,748,290; Feb. 25.
- Articles consisting of regenerated cellulose, Desulphurizing. W. Eller and T. Madlung. 1,786,941; Dec. 30.
- Articles from casein, Making. L. A. Apple. 1,765,819; June 24.
- Articles from heat-treatable aluminum-base alloys, Forming. R. S. Archer. 1,751,468; Mar. 25.
- Articles from heat-treatable aluminum-base alloys, Forming. W. C. Winter. 1,751,500; Mar. 25.
- Articles from sheet material, Producing. A. W. Gudge. 1,759,844; May 27.
- Articles having tarnish-resisting surface and making same. D. Gray, R. O. Bailey, and W. S. Murray. 1,782,092; Nov. 18.
- Articles in tumbling barrels, Treating. C. C. Truax. 1,750,499; Mar. 11.
- Articles, Method and apparatus for drying. W. C. Stevens. 1,753,176; Apr. 1.
- Articles, Method and apparatus for handling small. M. Feybusch. 1,779,425; Oct. 28.
- Articles, Method of and apparatus for coating. J. S. George and R. S. Sperry. 1,759,502; May 20.
- Articles, Method of and apparatus for distributing. E. O. Miller and E. H. Lorenz. 1,743,062; Jan. 7.
- Articles of lead-copper and analogous alloys, Making. H. M. Williams. 1,761,506; June 3.
- Articles on other surfaces, Reproduction of the natural appearances of. L. V. Casto. 1,766,426; June 24.
- Articles, Packaging. L. A. Becker and J. M. Munson. 1,780,142; Oct. 28.
- Articles subjected to a galvanic action, Apparatus for handling. C. J. Lemont. 1,744,273; Jan. 21.
- Articles to adhere to one another, Causing. J. Cavanagh. 1,779,368; Oct. 21.
- Articles with liquid, Apparatus for treating. C. C. Jessen. 1,759,646; May 20.
- Artificial bait. U. C. Pemberton and J. B. Johnson. Des. 80,908; Apr. 8.
- Artificial-foot joint. W. Eichhorn. 1,779,765; Oct. 28.
- Artificial-himb joint. J. Wagner. 1,755,852; Apr. 22.
- Artificial tree. A. Donis. Des. 80,437; Feb. 4.
- Artificial tree. R. Vydra. 1,764,540; June 17.
- Arylalkylethers which are aralkylated in the nucleus and of their sulphonic acids, Manufacture of. M. Kahn and A. Thauss. 1,781,981; Nov. 18.
- Arylamines, Making. W. H. Williams. 1,775,360; Sept. 9.
- Arylamines, Preparation of. W. J. Hale. 1,764,869; June 17.
- Arylaminoalcohol compound. R. Adams. 1,767,423; June 24.
- Arylides of 2-hydroxy-3-naphthoic acid, Preparation of. E. B. Higgins. 1,762,474; June 10.
- Ash-dust eliminator. F. R. Dyke. 1,785,481; Dec. 16.
- Ash-forming constituents from oil, Removing. H. G. M. Fischer. 1,760,129; May 27.
- Ash gate. L. E. Striegel. 1,749,092; Mar. 4.
- Ash-gate hopper. F. H. Dunbar. 1,758,435; May 13.
- Ash receiver. R. C. Eve. 1,750,038; Mar. 11.
- Ash receiver. A. Kolar. 1,744,123; Jan. 21.
- Ash receiver. J. B. Scelzi. Des. 82,521; Nov. 11.
- Ash receiver. A. C. Scharff. 1,777,770; Oct. 7.
- Ash receiver. E. Schroedter. 1,745,769; Feb. 4.
- Ash receiver. F. S. Smith. 1,763,678; June 17.
- Ash receiver. V. W. Thomson. Des. 82,920; Dec. 23.
- Ash receiver for automobiles. E. P. Breneman. 1,746,634; Feb. 11.
- Ash receiver or the like. W. C. Hierung. Des. 82,089; Sept. 23.
- Ash receiver, Tobacco-. L. Ludwig. Des. 82,333; Oct. 21.
- Ash remover and container, Dustless. C. F. Silva. 1,778,694; Oct. 14.
- Ash remover, Dustless. T. F. Russell. 1,767,312; June 24.
- Ash-removing device. C. H. Hall. 1,756,025; Apr. 29.
- Ash shovel, Dustless. H. L. Peebles. 1,762,347; June 10.
- Ash stand. L. Hoffberg. Des. 80,764; Mar. 18.
- Ash tray or similar article. A. Von Frankenberg. Des. 81,899; Aug. 26.
- Ash-tray structure. B. Iizuka. 1,780,591; Nov. 4.
- Ashe or other solid materials, Apparatus for handling. F. B. Allen. 1,775,264; Sept. 9.
- Asparagus-cutting machine. L. D. Stoppel. 1,785,795; Dec. 23.
- Asparagus-handling machine. E. H. Nielsen. 1,773,433; Aug. 19.
- Asphalt and like liquids, Distributor for. G. M. Etnyre. 1,778,551; Oct. 14.
- Asphalt and road oil and producing the same. J. F. Faber and M. L. Chappell. 1,745,155; Jan. 28.
- Asphalt biscuits, Manufacturing and treating. A. A. Glidden and A. R. Lukens. 1,756,011; Apr. 22.
- Asphalt by oxidizing heavy petroleum hydrocarbons, Manufacturing. A. F. MacLachlan. 1,774,756; Sept. 2.
- Asphalt composition and producing the same, Premixed. J. S. Downard. 1,781,105; Nov. 11.
- Asphalt emulsion. A. L. Halvorsen and P. M. Travis. 1,757,083; May 6.
- Asphalt emulsion. P. M. Travis and A. L. Halvorsen. 1,757,102; May 6.
- Asphalt filler. H. L. Mead. 1,774,608; Sept. 2.
- Asphalt roller. L. A. Poujoud. 1,749,647; Mar. 4.
- Asphalt spreader. C. G. Kime. 1,767,243; June 24.
- Asphaltenes and carbonenes from fuel oil, Eliminating colloidal. A. Jurrisen. 1,756,981; May 6.
- Asphaltic composition for road making and other uses, Producing a cold mixed. J. E. Boyd. 1,774,168; Aug. 26.
- Asphaltic emulsion and process of making. C. Wilder. 1,747,653; Feb. 18.
- Asphaltic material and fabrication thereof. M. C. Frank. 1,776,468; Sept. 23.
- Asphaltic material and process for manufacture. G. Abson. 1,782,186; Nov. 18.
- Asphaltic oils for the production of asphalt, Apparatus for treating. M. R. L. Miller. 1,766,446; June 24.
- Aspirating head for flowing liquids. G. McW. Williamson and G. W. Haywood. 1,758,812; May 13.
- Assembling and packaging machines, Feeding mechanism for. L. E. La Bombard and M. H. Sidebotham. 1,765,416; June 24.
- Assembling apparatus for receptacle closures. J. A. Johnson. 1,768,605; July 1.
- Assembling machine. J. C. Jorgensen and N. H. Knowlton. 1,775,678; Sept. 16.
- Assembling machine. H. L. Peterson and O. B. Burbidge. 1,766,800; June 24.
- Assembling machine and method. F. G. Wieland. 1,776,227; Sept. 16.
- Assembling machine, Bottle-cap-. R. P. Smith. 1,745,589; Feb. 4.
- Assembling members, Apparatus for. R. Hofstetter. 1,749,076; Mar. 4.
- Assembly unit. H. Junkers. 1,753,051; Apr. 1.
- Assorting apparatus. J. H. Lynch. 1,776,815; Sept. 30.
- Assorting-table deflecting means. E. L. A. Morrow. 1,755,660; Apr. 22.
- Astronomical apparatus. A. E. Johnson. 1,765,336; June 17.
- Asynchronous machines, Arrangement and method for regulating. J. Ossanna, H. Graner, and F. Hofmann. 1,777,211; Sept. 30.
- Atmospheres, Providing inert. C. A. Styer. 1,743,167; Jan. 14.
- Atmospheric disturbance, Reduction of. L. A. Kelley. 1,752,345; Apr. 1.
- Atmospheric disturbance, Reduction of. F. A. Leibe. 1,752,347; Apr. 1.

- Atmospheric disturbances, Arrangement for eliminating. A. Esau and F. Lange. 1,743,124; Jan. 14.
- Atmospheric interference, Reduction of. L. A. Kelley. 1,752,344; Apr. 1.
- Atomizer. B. Berko and J. Brewer. 1,767,911; June 24.
- Atomizer. P. B. Brown. Des. 82,078; Sept. 23.
- Atomizer. C. S. Gage and C. T. Maeding. Des. 82,882; Dec. 23.
- Atomizer. O. Kay. 1,764,107; June 17.
- Atomizer. C. L. Marcus. 1,779,553; Oct. 28.
- Atomizer. H. K. Mulford. Des. 82,274; Oct. 14.
- Atomizer-bottle stem. F. A. Vuilleminot. Des. 80,427-30; Jan. 28.
- Atomizer, Burner. J. A. Phelan. 1,769,454; July 1.
- Atomizer for internal-combustion engines, Auxiliary. E. Heaton. 1,770,645; July 15.
- Atomizer for liquids. R. Elsässer. 1,764,437; June 17.
- Atomizer for materials in powder form. F. Schori. 1,781,603; Nov. 11.
- Atomizer, Fuel. S. P. and H. A. Cowardin. 1,771,875; July 29.
- Atomizer, Pocket. W. F. Geiger. Des. 80,665; Mar. 4.
- Atomizer, Suction. C. S. Crickmer. 1,784,222; Dec. 9.
- Atomizing and spraying device. R. Lusk. 1,779,849; Oct. 28.
- Atomizing device for internal-combustion engines. E. H. Hamilton. 1,771,626; July 29.
- Atomizing lubricator. J. W. Small. 1,769,043; July 1.
- Attaching machine. E. R. Pope. 1,746,276; Feb. 11.
- Attachment clamp. J. M. Gwinn, jr. 1,769,573; July 1.
- Attrition mill. E. H. Hussey. 1,744,226; Jan. 21.
- Attrition mill. J. Markley and E. M. Brennan. 1,744,235; Jan. 21.
- Attrition mill. A. Schuchardt. 1,758,539; May 13.
- Audio amplification, Arrangement for multistage. W. Moser. 1,757,466; May 6.
- Audiofrequency amplification control, High and low. R. W. Harvey. 1,761,626; June 3.
- Audion amplifier. L. M. Hull. 1,764,564; June 17.
- Audiphone. J. C. Aber. 1,753,817; Apr. 8.
- Audiphone. A. W. Hall and J. R. Donnelly. 1,767,176; June 24.
- Auditing machine. M. M. Goldberg. 1,761,662; June 3.
- Auditing machine. W. H. Robertson. 1,761,684; June 3.
- Audition and apparatus for practicing the same. J. W. MacDonald. 1,750,045; Mar. 11.
- Auditoriums, Acoustical study and correction of. R. F. Norris. 1,754,332; Apr. 15.
- Auger and stoppage grip, Closet. R. A. King. 1,787,112; Dec. 30.
- Auger or drill. L. C. Hardsocg. 1,767,883; June 24.
- Auto case clamp. P. J. Huber. 1,750,669; Mar. 18.
- Auto creeper. B. E. Rodin. 1,769,548; July 1.
- Auto creeper. R. W. Slee. 1,764,757; June 17.
- Auto heater, Exhaust. G. Williams. 1,743,581; Jan. 14.
- Auto light. W. E. Isackson. 1,761,345; June 3.
- Auto rack, Interior. F. J. Ernst. Des. 82,319; Oct. 21.
- Auto screen. J. R. Barry. 1,750,343; Mar. 11.
- Auto seat. A. E. Henry. 1,769,343; July 1.
- Auto seat, Convertible. F. N. Lee. 1,752,441; Apr. 1.
- Auto thriller and amusement apparatus. H. Rocks, jr. 1,785,363; Dec. 16.
- Autoclave and operating same. H. M. Schleicher. 1,757,592; May 6.
- Autographic register. H. Bartholdi. 1,766,972; June 24.
- Autographic register. S. Brand. 1,761,558; June 3.
- Autographic register. A. B. Cooke. 1,767,204-5; June 24.
- Autographic register. A. B. Cooke. 1,767,784; June 24.
- Autographic register. L. F. Hagemann. 1,751,547; Mar. 25.
- Autographic register. P. A. Jackson. 1,755,354; Apr. 22.
- Autographic register. H. W. Lewis. 1,770,080; July 8.
- Autographic register. F. E. Pfeiffer. 1,766,353; June 24.
- Autographic register. W. C. Pfeiffer. 1,766,937; June 24.
- Autographic register. W. H. Robertson. 1,756,386; Apr. 29.
- Autographic register, Multiplex. A. W. Metzner. 1,760,847; May 27.
- Automatic resetting device. A. L. Ruthven. 1,774,728; Sept. 2.
- Automatic alarm signal. J. Pelloni. 1,745,555; Feb. 4.
- Automatic device. L. L. Cunningham. 1,765,056; June 17.
- Automatic gate. T. K. Ladd. 1,748,721; Feb. 25.
- Automatic gauge. C. T. Raule. 1,771,097; July 22.
- Automatic locking elevator. A. W. McKenzie. 1,751,644; Mar. 25.
- Automatic lubricator. E. G. Gartin. 1,774,483; Aug. 26.
- Automatic lubricator. M. P. Holmes. 1,774,271; Aug. 26.
- Automatic machine. J. P. Brophy. 1,779,529; Oct. 28.
- Automatic press. J. F. Schmidt. 1,742,670; Jan. 7.
- Automatic recording means for dump cars. E. W. Schellen-trager. 1,787,287; Dec. 30.
- Automatic regulator. W. D. Dreiske. 1,767,655; June 24.
- Automatic regulator. F. E. Smith. 1,764,536; June 17.
- Automatic releasing wrench. W. Fisher and C. Smith. 1,775,995; Sept. 16.
- Automatic shears. A. J. Townsend and E. S. Miller. 1,784,556; Dec. 9.
- Automatic sprinkler. F. L. Lindhorst. 1,751,641; Mar. 25.
- Automatic switch. E. Granat. 1,766,292; June 24.
- Automatic switch. H. F. Obergfell. 1,750,902; Mar. 18.
- Automobile. P. H. Horwitt. Des. 82,503-4; Nov. 11.
- Automobile. A. H. Leamy. Des. 82,428; Nov. 4.
- Automobile. A. H. Leamy. Des. 82,437; Nov. 4.
- Automobile. R. A. Slaughter, jr. Des. 81,813; Aug. 12.
- Automobile accessory. J. J. R. McLoughlin. 1,776,291; Sept. 23.
- Automobile and aeroplane, Combined. A. Jezek. 1,756,463; Apr. 29.
- Automobile attachment. E. L. Baker. 1,744,727; Jan. 28.
- Automobile attachment. G. Marenti. 1,773,051; Aug. 12.
- Automobile bodies, Handling and assembling. R. T. Romine. 1,750,130; Mar. 11.
- Automobile body. K. E. Coppock. 1,778,356; Oct. 14.
- Automobile body. E. P. du Pont. 1,778,025; Oct. 14.
- Automobile body. H. L. Hammond. 1,746,349; Feb. 11.
- Automobile body. E. P. Hartry. Des. 80,417; Jan. 28.
- Automobile body. A. H. Leamy. Des. 82,269; Oct. 14.
- Automobile body. H. Orsenigo. Des. 81,310-11; June 3.
- Automobile body. H. O. de H. Segrave. Des. 80,745; Mar. 18.
- Automobile body. G. Tasman. 1,751,771; Mar. 25.
- Automobile body. F. Tyler. Des. 81,735; July 29.
- Automobile body and constructing a body. R. Calpin. 1,782,230; Nov. 18.
- Automobile body construction. R. L. Adams. 1,767,500; June 24.
- Automobile body construction. E. P. du Pont. 1,775,935; Sept. 16.
- Automobile body, Convertible. W. Dupré. 1,766,015; June 24.
- Automobile body, Convertible. T. P. Fesko. 1,784,962; Dec. 16.
- Automobile body, Convertible. O. E. Horner. 1,745,217; Jan. 28.
- Automobile body handling. R. T. Romine. 1,750,129; Mar. 11.
- Automobile body handling. R. T. Romine. 1,750,131; Mar. 11.
- Automobile body heater. D. T. MacLeod. 1,753,382; Apr. 8.
- Automobile brake. W. J. Austin. 1,777,246; Sept. 30.
- Automobile brake. R. J. Gits. 1,782,891; Nov. 25.
- Automobile brake. H. D. Tappan. 1,759,377; May 20.
- Automobile camp shelter. N. J. N. Olson. 1,752,571; Apr. 1.
- Automobile construction. C. R. Paton and T. S. Sligh, jr. 1,744,332; Jan. 21.
- Automobile construction. C. R. Paton and T. S. Sligh, jr. 1,763,064; June 10.
- Automobile construction. C. W. Van Ranst. 1,774,071; Aug. 26.
- Automobile creeper. R. W. Slee. 1,764,756; June 17.
- Automobile display device. T. H. Jacob. 1,746,834; Feb. 11.
- Automobile disposal and withdrawal structure. W. J. Porter. 1,757,331; May 6.
- Automobile disposal and withdrawal structure. W. J. Porter. 1,781,955; Nov. 18.
- Automobile door screen. G. W. Perron. 1,758,849; May 13.
- Automobile equalizer. F. M. Swansen. 1,774,853; Sept. 2.
- Automobile filler cap or similar article. H. V. Henderson. Des. 82,500; Nov. 11.
- Automobile, Fluid drive for. K. A. Enlind. 1,756,977; May 6.
- Automobile frame. B. T. Andren. 1,754,927; Apr. 15.
- Automobile gate. P. J. McGrath. 1,783,579; Dec. 2.
- Automobile handling apparatus. H. S. Moore. 1,751,874; Mar. 25.
- Automobile handling device. E. B. Anderson. 1,786,282; Dec. 23.
- Automobile heater. A. H. Bates. 1,746,985; Feb. 11.
- Automobile heater. F. Beal and I. L. Hollowell. 1,779,406; Oct. 28.
- Automobile heater. G. E. Blake. 1,758,214; May 13.
- Automobile heater. S. Loeb. 1,753,897; Apr. 8.
- Automobile heater. F. C. Matthaei. 1,775,939; Sept. 16.
- Automobile heater. E. B. Miller. 1,753,615; Apr. 8.
- Automobile heater. G. Q. Noblitt. 1,769,385; July 1.
- Automobile heater. G. G. Noblitt. 1,781,731; Nov. 18.
- Automobile heater. J. J. Sunday. 1,752,038; Mar. 25.
- Automobile heater. J. J. Tranchell. 1,775,607; Sept. 9.
- Automobile hood and radiator, Combined. J. Bradley. Des. 82,016; Sept. 16.
- Automobile hood and radiator, Combined. A. Kellner. Des. 82,160; Sept. 30.
- Automobile hood-retaining means. C. H. E. Remondino. 1,757,021; May 6.
- Automobile identifier. S. G. Krtle. 1,747,446; Feb. 18.
- Automobile instrument panel. R. De Boer. Des. 81,373; June 17.
- Automobile jack. A. J. G. Bolard. 1,783,822; Dec. 2.
- Automobile jack. R. H. Dart. 1,750,663; Mar. 18.
- Automobile jack. E. W. Holmes. 1,750,598; Mar. 11.
- Automobile lift. E. E. Hollister. 1,767,982; June 24.
- Automobile lift structure, Rotary. L. C. Stukenborg. 1,784,554; Dec. 9.
- Automobile lock. C. N. Fairchild. 1,768,040; June 24.
- Automobile lock. O. S. Hershey. 1,772,043-4; Aug. 5.
- Automobile lock. G. Jacobs and B. H. Kaufmann. 1,748,350; Feb. 25.
- Automobile lock. J. J. Langer. 1,761,042; June 3.
- Automobile lock. E. J. Martel. 1,776,265; Sept. 23.
- Automobile or highway signal. J. C. Nordgran. 1,752,805; Apr. 1.
- Automobile power take-off device. J. W. White. 1,766,007; June 24.

- Automobile radiator cap. F. O. de Alcocer. 1,755,316; Apr. 22.
- Automobile reverse guard. H. E. Brown. 1,781,156; Nov. 11.
- Automobile safety attachment. M. Pentland. 1,748,426; Feb. 25.
- Automobile seat. A. M. Nadell. 1,743,377; Jan. 14.
- Automobile seat. H. L. Van Valkenburg and S. Miller. 1,756,230; Apr. 29.
- Automobile seat, Adjustable. H. D. Beardsley. 1,775,082; Sept. 9.
- Automobile seat, Convertible. L. C. Bray. 1,777,193; Sept. 30.
- Automobile seat, Convertible. R. L. Grider. 1,759,942; May 27.
- Automobile screen. M. L. Gray and E. Ford. 1,751,200; Mar. 18.
- Automobile screen. H. M. Schuler. 1,744,177; Jan. 21.
- Automobile shipping device. F. J. Nemethy, jr. Re17,758; July 29.
- Automobile shoes, Reenforcing element for the beads of. T. Gore. 1,774,748; Sept. 2.
- Automobile signal. T. J. Bastian. Des. 81,954; Sept. 9.
- Automobile signal. G. L. Cantwell. 1,775,306; Sept. 9.
- Automobile signal. N. W. Coffey. 1,749,936; Mar. 11.
- Automobile signal. H. A. Coulter. 1,762,288; June 10.
- Automobile signal. H. Grob. 1,783,422; Dec. 2.
- Automobile signal. A. P. Gustafson. 1,751,812; Mar. 25.
- Automobile signal. H. Kayano. 1,773,682; Aug. 19.
- Automobile signal. M. Knight. 1,745,372; Feb. 4.
- Automobile signal. H. B. Shotwell. 1,775,948; Sept. 16.
- Automobile signal. E. Teltz. 1,753,221; Apr. 8.
- Automobile signal, Sash-mounted. S. A. Gaede. 1,764,256; June 17.
- Automobile switch. F. J. Stuckert, Jr. 1,763,018; June 10.
- Automobile table. F. Goldbecher. 1,780,706; Nov. 4.
- Automobile theft alarm. O. A. Pelz. 1,785,875; Dec. 23.
- Automobile tie-down device. E. S. Evans. 1,754,819-21; Apr. 15.
- Automobile tonneaux, Detachable commercial body for. R. A. Hill. 1,755,543; Apr. 22.
- Automobile tread. G. E. Whitlock. 1,768,873; July 1.
- Automobile ventilator. A. Berman. 1,780,903; Nov. 11.
- Automobile wheel. N. Benford. 1,754,593; Apr. 15.
- Automobile wheel. E. R. Tietz. 1,752,819; Apr. 1.
- Automobile window screen. R. F. James. 1,758,158; May 13.
- Automobiles and the like, Apparatus for lifting. F. W. Leonhard. 1,774,605; Sept. 2.
- Automobiles and the like, Attachment for. F. A. Bettag. 1,744,154; Jan. 21.
- Automobiles and the like, Mechanism for operating upon metal parts of. G. L. Hunt. 1,786,847; Dec. 30.
- Automobiles and the like, Suspension for. G. Carwardine. 1,773,218; Aug. 19.
- Automobiles, Automatic dash-light apparatus for. B. L. Hart. 1,748,221; Feb. 25.
- Automobiles, Hold-down device for. I. L. Friedlaender. 1,751,512; Mar. 25.
- Automobiles, Indicator for the cooling system of. H. E. Christie and K. W. Couse. 1,748,596; Feb. 25.
- Automobiles, Instrument board for. C. W. Van Ranst. Des. 80,589; Feb. 25.
- Automobiles, Molded-rubber running board for. H. D. Geyer. 1,745,790; Feb. 4.
- Automobiles or the like, Body for. B. F. Perkins. Des. 80,507; Feb. 11.
- Automobiles, Shipping of. M. D. Tucker. 1,780,282; Nov. 4.
- Automobiles, Starting-crank arrangement for front-drive. C. W. Van Ranst. 1,781,354; Nov. 11.
- Automobiles, Steering range for. C. W. Anderson. 1,753,194; Apr. 8.
- Automobiles, Turning device for. W. Fuhr. 1,744,959; Jan. 28.
- Automotive brake. S. G. Down. 1,782,566; Nov. 25.
- Automotive brake. F. P. Livingston. 1,776,288; Sept. 23.
- Automotive distillate, Manufacture of high-compression. C. J. Pratt. 1,752,264; Mar. 25.
- Autotransformer. H. A. Germain. 1,771,919; July 29.
- Autotransformer for alternating current having variable transformation ratios. P. Stragiotti. 1,767,947; June 24.
- Auxiliary seat. B. S. Drane. 1,756,182; Apr. 29.
- Awning. W. A. Bracken. 1,747,101; Feb. 11.
- Awning. J. P. Davenport. 1,742,437; Jan. 7.
- Awning. J. L. Emlg. Re17,587; Feb. 11.
- Awning. C. P. Foch. 1,758,939; May 20.
- Awning. L. Kasan. 1,750,271; Mar. 11.
- Awning. E. Martin. 1,744,563; Jan. 21.
- Awning. G. Schuler. 1,750,285; Mar. 11.
- Awning. J. L. Stuart. 1,749,197; Mar. 4.
- Awning. H. E. Williams. 1,753,102; Apr. 1.
- Awning actuator. H. E. Thompson. 1,774,303; Aug. 26.
- Awning, Adjustable. J. L. Drohen. 1,767,969; June 24.
- Awning and screen, Combined. S. Hagopian. 1,755,955; Apr. 22.
- Awning and shade, Automobile. E. E. McGrew. 1,780,088; Oct. 28.
- Awning and shade, Combination. G. W. Miller. 1,760,428; May 27.
- Awning and shade, Combined. E. L. Dronberger. 1,760,899; June 3.
- Awning and shutter, Combined. J. S. Bucknam, jr., and W. F. De Groat. Re17,550; Jan. 7.
- Awning, Auto. G. L. Newkirk. 1,751,750; Mar. 25.
- Awning, Auto. H. A. Wise. 1,761,698; June 3.
- Awning, Automatic window. F. A. Anton. 1,758,244; May 13.
- Awning, Automobile. C. G. Hale. 1,751,478; Mar. 25.
- Awning, Automobile. E. E. McGrew. 1,780,089; Oct. 28.
- Awning, Automobile window. E. L. Behrman and A. E. Gomes. 1,744,027; Jan. 21.
- Awning bracket. E. H. Schane. 1,759,715; May 20.
- Awning bracket, Intermediate. E. H. Schane. 1,765,451; June 24.
- Awning clip. J. D. Major. 1,762,024; June 3.
- Awning cloth. W. H. Adams. Des. 82,358; Oct. 28.
- Awning construction. O. L. Moeller. 1,779,745; Oct. 28.
- Awning construction. G. Schuler. 1,779,561; Oct. 28.
- Awning construction, Window. N. H. Nelson. 1,764,881; June 17.
- Awning fixture. F. E. Markert. 1,785,520; Dec. 16.
- Awning for automobiles. W. A. Bracken. 1,747,345; Feb. 18.
- Awning for automobiles. H. E. Williams. 1,766,769; June 24.
- Awning for locomotive cabs. D. J. Cara and J. W. Hough. 1,768,437; June 24.
- Awning-frame-corner fitting. W. S. Feeny. 1,774,548; Sept. 2.
- Awning frame, Folding. F. R. Clifton. 1,742,234; Jan. 7.
- Awning-frame structure. T. H. Foster. 1,763,296; June 10.
- Awning inclosure. S. C. Dreher. 1,776,232; Sept. 16.
- Awning-operating mechanism. M. Rosentreter and J. Huber. 1,771,063; July 22.
- Awning-operating mechanism. J. W. Shaw. 1,777,739; Oct. 7.
- Awning or curtain. W. B. McSpadden. 1,752,610; Apr. 1.
- Awning raising and lowering device. D. N. Irwin. 1,749,218; Mar. 4.
- Awning, Side. M. L. Cleland. 1,781,495; Nov. 11.
- Awning, Screen. R. Viera. 1,763,383; June 10.
- Awning, Store front. F. A. Anton. 1,773,929; Aug. 26.
- Awning, Vehicle. A. W. Hill. 1,746,310; Feb. 11.
- Awning, Window. F. A. Anton and C. W. Harvey. 1,758,245; May 13.
- Awning, Window. R. Bollheimer. 1,771,554; July 29.
- Ax. J. M. Watson. 1,752,129; Mar. 25.
- Ax guard. R. E. Brown. 1,762,256; June 10.
- Ax rack. W. E. Hall and C. P. Bascom. 1,747,973; Feb. 18.
- Axle. G. W. Harper. 1,760,356; May 27.
- Axle and framing structure, Combined. D. I. Fogger. 1,765,066; June 17.
- Axle assembly. D. W. Voorhees, jr. 1,760,613; May 27.
- Axle assembly, Front-. J. A. Wright. 1,781,205; Nov. 11.
- Axle, Automobile. W. A. Bogg. 1,769,105; July 1.
- Axle bearing, Railway-car. W. L. Scribner. 1,773,874; Aug. 26.
- Axle-bending apparatus. W. Bagge. 1,777,686; Oct. 7.
- Axle box and car-truck construction. C. W. Benica and R. J. Brittain, jr. 1,777,068; Sept. 30.
- Axle box and its lubrication. F. W. Martin and F. R. Peters. 1,757,582; May 6.
- Axle box, Roller-bearing. W. Jürgensmeyer. 1,771,792; July 29.
- Axle construction. T. V. Buckwalter. 1,777,392; Oct. 7.
- Axle construction. F. D. Howe. 1,780,922; Nov. 11.
- Axle construction. O. R. Skelton. 1,784,394; Dec. 9.
- Axle construction, Motor-vehicle. D. F. Domizi. 1,776,891; Sept. 30.
- Axle construction, Railway-car-. W. C. Sanders. 1,776,272; Sept. 23.
- Axle boxes, Making. C. P. Vauclain and F. E. Merklinger. 1,745,199; Jan. 28.
- Axle construction, Roller-bearing. T. V. Buckwalter. 1,753,772; Apr. 8.
- Axle construction, Roller-bearing-. T. V. Buckwalter. 1,762,609; June 10.
- Axle, Differential. W. F. Rockwell. 1,776,703; Sept. 23.
- Axle, Drive. A. I. Marcum. 1,750,899; Mar. 18.
- Axle for self-propelled vehicles. B. H. Urschel. 1,753,037; Apr. 1.
- Axle for self-propelled vehicles. B. H. Urschel. 1,784,856; Dec. 16.
- Axle, Locomotive. W. C. Sanders and J. Hektner. 1,742,826; Jan. 7.
- Axle lubrication. O. J. Horger. 1,745,216; Jan. 28.
- Axle mounting. E. S. MacPherson. 1,781,406; Nov. 11.
- Axle mounting for safety sheave blocks. W. H. McKissick. 1,760,273; May 27.
- Axle pulley. W. F. Bouché. 1,774,167; Aug. 26.
- Axle, Railway passenger-car. W. C. Sanders and J. Hektner. 1,742,825; Jan. 7.
- Axle structure. E. W. Pelster. 1,783,977; Dec. 9.
- Axle structure and driving mechanism, Rear. D. G. Mackenzie. 1,765,986; June 24.
- Axle, Vehicle. W. Gatter. 1,742,387; Jan. 7.
- Axle, Vehicle. D. G. Mackenzie. 1,744,655; Jan. 21.
- Axle, Worm-gear. R. V. Hutchinson. 1,761,922; June 3.
- Axles, Apparatus for journaling railway vehicle. H. M. Pfleger. 1,765,878; June 24.
- Axles, Making. E. C. Mogford and G. Spatta. 1,762,407; June 10.
- Axles, Motor-driven-car swiveled. E. Latshaw. 1,771,932; July 29.

- Azo coloring matter. B. L. West. 1,785,799; Dec. 23.
 Azo dyestuffs insoluble in water and making same. L. Laska and A. Zitscher. 1,762,022; June 3.
 Azodyestuffs, Manufacture of fast. L. Laska and A. Zitscher. 1,765,681; June 24.
 Babbitting and boring machine, Connecting-rod. H. C. Shoemaker. 1,744,584; Jan. 21.
 Babbitting and boring machine, Reaming attachment for connecting-rod. H. C. Shoemaker. 1,744,585; Jan. 21.
 Babbitting machine. W. J. Fiegel and W. S. Enderich. 1,774,794; Sept. 2.
 Babbitting machine. F. L. Saxton. 1,769,394; July 1.
 Baby-basket carrier. P. T. Baumgartner. 1,774,718; Jan. 28.
 Baby conveyance. A. F. Debelack. 1,762,680; June 10.
 Baby jumper. I. O. Duncan. 1,747,106; Feb. 11.
 Baby walker and stroller. E. S. VandeMark. 1,764,914; June 17.
 Back chair, etc., Adjustable. C. R. Hultgren. 1,756,644; Apr. 29.
 Back digger. A. Orloff. 1,785,942; Dec. 16.
 Back filler. W. R. Bunch. 1,783,941; Dec. 2.
 Back-motion stop. A. A. Le Roy. 1,772,869; Aug. 12.
 Back-pressure joint. J. D. Lemex. 1,785,271; Dec. 16.
 Back-run process of making water gas. D. J. Young. 1,751,501; Mar. 25.
 Back spot facer. A. L. Christensen. 1,761,070; June 3.
 Backwater trap. S. Lukomski. 1,761,217; June 3.
 Bacon bellies in smoke, Hanging. T. O'Brien. 1,742,872; Jan. 7.
 Bacon forming or shaping machine. H. C. Massey. 1,752,190; Mar. 25.
 Bacon, Frying. C. W. Carter and C. P. Strite. 1,753,879; Apr. 8.
 Bacteria-resistant properties to textile materials, Imparting. C. B. White and E. Schaefer. 1,745,134; Jan. 28.
 Bacterial enzyme preparations. A. Boidin and J. Effront. 1,744,742; Jan. 28.
 Badge. J. Jachens. 1,768,067; June 24.
 Badge. W. H. Kupfer. 1,765,431; June 24.
 Badge. W. J. Otts. Des. 82,756; Dec. 9.
 Badge. C. L. Stange. Des. 81,419; June 17.
 Badge. J. C. Tyler and T. E. Leavey. Des. 81,425; June 17.
 Badge or similar article. H. A. Proctor. Des. 82,448; Nov. 4.
 Baffle. W. F. Richards. 1,764,983; June 17.
 Baffle, Combustion. R. H. Wager. 1,774,859; Sept. 2.
 Baffle or shield for superheat flues and breechings. W. M. Connery. 1,777,196; Sept. 30.
 Baffle plate, Bubble-tower. V. F. Grace. 1,743,131; Jan. 14.
 Baffling device. W. Sontag. 1,749,266; Mar. 4.
 Bag; See—
 Brief bag. Ice bag.
 Clothespin bag. Laundry bag.
 Fabric bag. Medicinal bag.
 Fitted traveling bag. Multiple-walled bag.
 Flotation bag. Multiplex bag.
 Fruit-picker's bag. Paper bag.
 Garment bag. Shopping bag.
 Gladstone bag. Traveling bag.
 Golf bag. Vacuum-cleaner bag.
 Ham bag. Valve bag.
 Hand bag.
 Bag. L. G. Bigelow. 1,751,229; Mar. 18.
 Bag. R. Brownson. 1,775,808; Sept. 16.
 Bag. A. Droutman. 1,771,168; July 22.
 Bag. M. R. Kendall. 1,785,126; Dec. 16.
 Bag. A. C. Strayer. 1,748,529; Feb. 25.
 Bag. M. White. 1,768,725; July 1.
 Bag and frame therefor, Hand. F. J. Quigan. 1,784,748; Dec. 9.
 Bag and making the same, Sectional repair. C. H. Desautels. 1,760,897; June 3.
 Bag and parcel rack and dolly, Combination. E. E. Caselman. 1,758,144; May 13.
 Bag and support therefor, Mail. D. L. and P. J. Dobson. 1,755,950; Apr. 22.
 Bag bottomer. Paper. A. C. Coty and T. E. Coty. 1,770,972; July 22.
 Bag clasp. E. G. Johnson. 1,780,880; Nov. 4.
 Bag-closing machine. H. Anderson. 1,772,824; Aug. 12.
 Bag-delivering machine. E. Blacker. 1,749,061; Mar. 4.
 Bag filler. I. B. White. 1,773,657; Aug. 19.
 Bag-filling machine. K. Middelboe. 1,747,312; Feb. 18.
 Bag-filling machine, Automatic. L. H. Hartman. Re17,816; Sept. 30.
 Bag-filling method and apparatus. S. H. Lilly. 1,782,733; Nov. 25.
 Bag for aircraft, Mail. W. E. Berry and M. Vukovich. 1,744,719; Jan. 28.
 Bag for bulk edibles and the like. A. A. Knee. 1,764,569; June 17.
 Bag for suction cleaning apparatus, Dust. O. C. Willis. Re17,852; Oct. 28.
 Bag for umbrellas and pocketbooks, Combined lady's hand. A. G. Berwin. 1,783,275; Dec. 2.
 Bag frame. W. C. Hirling. Des. 80,270-1; Jan. 7.
 Bag frame. W. C. Hirling. Des. 80,691; Mar. 11.
 Bag-frame clasp. W. C. Hirling. 1,785,380; Dec. 16.
 Bag gusset. A. M. Vinciguerra. 1,750,375; Mar. 11.
 Bag holding and filling device. E. L. Rosenfeld. 1,765,346; June 17.
 Bag machine. H. B. Landau. 1,751,091; Mar. 18.
 Bag machine. A. Potdevin. 1,762,350; June 10.
 Bag machine, Paper-. W. A. Buchanan. 1,765,564; June 24.
 Bag-making machine. A. Potdevin. 1,775,829; Sept. 16.
 Bag-making machine, Paper-. B. C. Stickney. 1,753,354; Apr. 8.
 Bag manufacture. E. O. Barstow and A. C. White. 1,753,281; Apr. 8.
 Bag or envelope. J. S. Wiley. 1,756,047; Apr. 29.
 Bag or purse. H. W. Topal. 1,747,801; Feb. 18.
 Bag or sack tie. P. E. Morrill. 1,778,955; Oct. 21.
 Bag shaker and feeder. H. Anderson. 1,781,714; Nov. 18.
 Bag turning and cleaning machine. J. W. Kittredge. 1,748,775; Feb. 25.
 Bag-turning machine. H. W. Orndoff. 1,782,935; Nov. 25.
 Bag-tying machine. G. K. Crutchfield, jr., W. C. Northam, and J. C. Kinker, jr. 1,780,815; Nov. 4.
 Baggage carrier. G. H. Wheary. Re17,720; July 1.
 Bags and the like, Tying means for. S. Szöke. 1,776,050; Sept. 16.
 Bags, Apparatus for forming. K. Maier. 1,768,126; June 24.
 Bags, End-closing machine for paper. H. H. Crawford. 1,780,005; Oct. 28.
 Bags, Fastening the mouths of. J. H. Bennetts. 1,742,570; Jan. 7.
 Bags, Making. H. B. Laymon. 1,783,845; Dec. 2.
 Bags, Making garment. A. Stone and M. Frost. 1,774,906; Sept. 2.
 Bags, Making paper. T. M. Royal. 1,782,884; Nov. 25.
 Bags, Manufacturing. T. M. Royal. 1,770,865; July 15.
 Bags, Method of and machine for use in the manufacture of. J. N. Tooker and J. F. Harley. 1,746,623; Feb. 11.
 Bags or cardboard boxes, Forming paper. E. H. Jähne. 1,767,799; June 24.
 Bags, Treating used burlap. G. I. Goldwyn. 1,757,958; May 13.
 Bags, Umbrella-fastening means for. J. R. Danner. 1,755,209; Apr. 22.
 Bagasse for the manufacture of wall board and the like, Treating. W. L. Williams. 1,782,755; Nov. 25.
 Bagle-forming machine. L. Gendler. 1,755,921; Apr. 22.
 Bail bracket for excavating dippers. W. T. McNinch. 1,766,343; June 24.
 Bailer, Automatic. W. Sobolew. 1,761,645; June 3.
 Bailer, Automatic boat. C. W. Warner. 1,779,456; Oct. 28.
 Bait and manufacturing same, Fishing and trapping. G. S. Green. 1,742,956; Jan. 7.
 Bait, Artificial. L. R. Cornelius. 1,762,914; June 10.
 Bait, Artificial. S. F. Davenport. 1,778,065; Oct. 14.
 Bait, Artificial. L. B. Huntington. 1,752,088; Mar. 25.
 Bait, Artificial. L. B. Huntington. 1,774,976; Sept. 2.
 Bait, Artificial. W. G. Kutz. 1,786,568; Dec. 30.
 Bait, Artificial. U. C. Pemberton. 1,750,783; Mar. 18.
 Bait, Artificial. M. B. Roberts. 1,742,786; Jan. 7.
 Bait, Artificial. H. G. Wethall. 1,773,561; Aug. 19.
 Bait, Artificial. E. R. Whitney. 1,746,753; Feb. 11.
 Baker's pan. A. Graf. 1,766,508; June 24.
 Baker's pan. F. Zacharias. 1,754,812; Apr. 15.
 Baking and molding device. J. L. Balton. 1,782,088; Nov. 18.
 Baking and roasting apparatus. E. Hager. 1,758,571; May 13.
 Baking apparatus. W. Ehrhart. 1,751,312; Mar. 18.
 Baking apparatus. W. Ehrhart. 1,786,485; Dec. 30.
 Baking apparatus. C. L. Heisler. 1,746,155; Feb. 4.
 Baking device. K. R. Crandall. 1,747,055; Feb. 11.
 Baking machine. K. O. Hebenstreit. 1,766,023; June 24.
 Baking machine, Electrically-heated. R. G. Tugendhat. 1,757,983; May 13.
 Baking machine, Ice-cream-cone-. A. Benbinisti. 1,757,556; May 6.
 Baking pan. A. G. Carlson. 1,778,846; Oct. 21.
 Baking pan. L. H. Debs. 1,751,268; Mar. 18.
 Baking pan. J. W. Foersch, jr. 1,764,253; June 17.
 Baking pan. J. Kollman. 1,764,685; June 17.
 Baking-pan unit. E. H. Chandonia. 1,749,800; Mar. 11.
 Baking-pan unit. E. H. Chandonia. 1,780,002; Oct. 28.
 Baking pan, Ventilating. C. P. Roberts. 1,781,302; Nov. 11.
 Baking powder. A. H. Fiske. 1,775,037; Sept. 2.
 Baking tray. A. Katzinger. 1,756,558; Apr. 29.
 Baker's peel. S. M. Scott. 1,766,551; June 24.
 Balance. W. C. Seyter. 1,759,139; May 20.
 Balance indicator for platform scales. M. H. Starr. 1,764,537; June 17.
 Balance weight. W. O. Snelling. 1,766,406; June 24.
 Balance wheel units of clocks, watches, etc., Apparatus for testing the. F. Franz. 1,748,645; Feb. 25.
 Balancer ring. J. Picarelli and R. Draghi. 1,748,461; Feb. 25.
 Balancer with single eccentric weight, Inertia-force. C. R. Short. 1,756,915; Apr. 29.
 Balancing and apparatus therefor. T. C. Van Degrieff. 1,761,945; June 3.
 Balancing apparatus. F. Mielke. 1,786,079; Dec. 23.
 Balancing device. A. J. Bocz. 1,756,898; Apr. 29.
 Balancing device. E. Kreissig. 1,745,578; Feb. 4.
 Balancing device. J. Lundgren. 1,763,403; June 10.
 Balancing. Means for and method of. J. Lundgren. 1,763,402; June 10.

- Balancing mechanism. W. R. Mittendorf. 1,764,274; June 17.
- Balancing rotary bodies having radiating blades. A. L. Blakemore. 1,176,140; June 10.
- Balancing spring. J. W. Fry. 1,785,118; Dec. 16.
- Balcony for buildings, Movable. B. H. Marshall. 1,781,787; Nov. 18.
- Bale-hoist hook. M. P. Baccamo. 1,766,091; June 24.
- Bale press. J. B. Wallace. 1,766,570; June 24.
- Bale-tie machine. G. E. Bull. 1,769,330; July 1.
- Bale tier. H. Richardson. 1,754,572; Apr. 15.
- Baler, Household-waste. W. A. Troth. 1,760,292; May 27.
- Baler, Paper. M. B. Seligman. 1,743,832; Jan. 14.
- Baling block. T. Grav. 1,750,466; Mar. 11.
- Baling press. N. N. Burkholder. 1,769,331; July 1.
- Baling press. H. Jacobson and C. J. Kruse. 1,766,642; June 24.
- Baling press. G. W. Langford. 1,780,528; Nov. 4.
- Baling press. J. H. MacLean and A. O. Heinzmann. 1,761,447; June 3.
- Baling press. V. H. Pohjonen. 1,758,970; May 20.
- Baling-press feeder. W. C. Ruth. 1,768,214; June 24.
- Ball: *See*—
- Medicated beauty ball. Push ball.
- Mixing ball. Sport ball.
- Packaged playing ball. Tank ball.
- Ball and bladder therefor, Inflatable playing. J. R. Denkert. 1,782,198; Nov. 18.
- Ball and making the same. Packaged inflated playing. M. B. Reach. 1,752,695; Apr. 1.
- Ball-and-socket joint. C. C. Goodrich. 1,745,755; Feb. 4.
- Ball-and-socket joint. J. I. Muncy. 1,745,704; Feb. 4.
- Ball and support therefor, Exercising. H. O. Costello. 1,753,310; Apr. 8.
- Ball and the like and the manufacture thereof, Tennis. A. Penfold. 1,771,861; July 29.
- Ball-bearing center for machines. F. H. Becker. 1,768,734; July 1.
- Ball-bearing connection. F. C. Bantin. Des. 17,575; Jan. 28.
- Ball-bearing roller. A. E. Dekome. 1,751,795; Mar. 25.
- Ball catching and throwing device. K. R. Uhlig. 1,767,232; June 24.
- Ball-forming machine. A. C. Munro. 1,746,671; Feb. 11.
- Ball-game apparatus. F. N. J. Ohlson. 1,759,802; May 20.
- Ball, Golf. W. J. Perry. Des. 80,740; Mar. 18.
- Ball joint. E. C. Austin. 1,779,459; Oct. 28.
- Ball mill. F. O. Williamson. 1,744,089; Jan. 21.
- Ball mill. A. A. Wise and G. Gates. 1,772,737; Aug. 12.
- Ball mill. Soundproof. J. E. Kennedy. 1,748,039; Feb. 18.
- Ball-positioning machine. B. Haynes. 1,779,541; Oct. 28.
- Ball presenting and impelling machine. B. Haynes. 1,779,540; Oct. 28.
- Ball-puzzle device. W. R. Maxwell. 1,765,019; June 17.
- Ball-throwing device. J. R. Lacoste. 1,777,976; Oct. 7.
- Ball-warper traverse mechanism. H. D. Colman. 1,753,503; Apr. 8.
- Balls, Making. J. R. Gammeter. 1,752,735; Apr. 1.
- Balls, Making inflatable rubber. M. Carter. 1,743,425; Jan. 14.
- Balls, Reconditioning device for tennis. R. H. Smilie. 1,766,198; June 24.
- Ballast cleaning and removing machine. J. F. Robb. 1,770,552; July 15.
- Ballast-cleaning machine. W. S. Stall. 1,743,833; Jan. 14.
- Ballast, Discharging. B. W. Straw. 1,743,579; Jan. 14.
- Ballast-dressing machine for railroads. S. F. Clapp. 1,750,506; Mar. 11.
- Ballasting device for moored dirigibles. O. Krell. 1,778,394; Oct. 14.
- Ballistic apparatus. J. B. Henderson. 1,757,800; May 6.
- Balloon fabric, Gasproof. C. M. Carson. 1,779,389; Oct. 21.
- Balloon material, Manufacturing. H. Strobl. 1,763,109; June 10.
- Balloon spinner. B. C. Merritt. 1,787,159; Dec. 30.
- Balloon, Toy. A. J. Kempien. 1,745,576; Feb. 4.
- Balloons, Protective device for. A. Crossley. 1,757,111; May 6.
- Balustrade post. A. F. Miller. 1,752,018; Mar. 25.
- Balustrade unit. E. Schulte. Des. 81,557-8; July 8.
- Band, Adjustable. P. Remrey. 1,779,335; Oct. 21.
- Band for knickers, Flexible. P. J. O'Brien. 1,778,722; Oct. 21.
- Band, Holding. W. L. Carter. 1,782,194; Nov. 18.
- Band, Menstruation. N. Takeuchi. 1,772,969; Aug. 12.
- Band-stretching machine. W. E. Humphrey. 1,787,423; Dec. 30.
- Band system, Single side. R. K. Potter. 1,773,116; Aug. 19.
- Bandage. H. Domizlaff. 1,748,470; Feb. 25.
- Bandage. A. C. Roxburg. 1,758,764; May 13.
- Bandage, Sanitary. J. Reich. 1,768,789; July 1.
- Bandage, Surgical. M. C. Edmundson. 1,785,831; Dec. 23.
- Bandage, Suspensory. E. Klein. 1,742,399; Jan. 7.
- Band-building machine. E. F. Maas. 1,763,592; June 10.
- Band feeder. A. M. English. 1,757,079; May 6.
- Band, Flexible. K. C. Augenstein. 1,766,971; June 24.
- Band-folding apparatus. J. R. Gammeter. 1,759,232; May 20.
- Band for knee breeches and the like. G. K. Hodges. 1,745,259; Jan. 28.
- Band for personal wear. S. O. Bigney. 1,756,448; Apr. 29.
- Banding machine. C. A. Matson. 1,773,314; Aug. 19.
- Bands about bales or the like, Fastening. C. B. Frost. 1,782,465; Nov. 25.
- Banjo. C. L. Dewey. 1,752,788; Apr. 1.
- Banjo. F. J. Heller. 1,755,821; Apr. 22.
- Banjo. C. Kremp. 1,779,972; Oct. 28.
- Banjo or similar article. A. E. Hunter. Des. 81,007; Apr. 22.
- Banjo-vibrator. A. A. Decker. 1,769,121; July 1.
- Banjos, Resonating means for. W. L. Lange. 1,783,244; Dec. 2.
- Bank. A. C. Prince. 1,770,710; July 15.
- Bank, Bill. M. Goepel. 1,760,901; June 3.
- Bank, Clock. W. D. and J. R. Pennington. 1,744,688-90; Jan. 21.
- Bank, Clock savings. A. Archer. 1,777,870; Oct. 7.
- Bank, Coin. O. H. Brasier. 1,742,984; Jan. 7.
- Bank, Coin. W. D. and J. R. Pennington. 1,744,687; Jan. 21.
- Bank, Coin savings. W. P. Scully. 1,782,213; Nov. 18.
- Bank, Coin time savings. D. L. Chandler. 1,778,022; Oct. 14.
- Bank, Portable savings. S. Silver and E. Kimmig. 1,770,146; July 8.
- Bank-protecting device. H. L. Altstadt. 1,768,092; June 24.
- Bank, Savings. C. Fisher. 1,747,766; Feb. 18.
- Bank, Savings. E. J. Fisher. 1,781,920; Nov. 18.
- Bank, Savings. M. Skolnik. Des. 82,352; Oct. 21.
- Bank, Savings. D. H. Zell. 1,786,725; Dec. 30.
- Bank, Savings. D. H. Zell. 1,786,811; Dec. 30.
- Banks, Protecting. A. L. Smith. 1,757,688; May 6.
- Bank-teller's cage shields, Operating device for. G. Murray. 1,777,760; Oct. 7.
- Bank, Toy. O. H. Brasier. Des. 82,132; Sept. 30.
- Bar: *See*—
- Angle bar. Sash bar.
- Boring bar. Sickle bar.
- Bumper bar. Skelp bar.
- Bus bar. Splice bar.
- Draw bar. Supporting bar.
- Equalizer bar. Tile hanger bar.
- Fire bar. Towel bar.
- Grate bar. Towing bar.
- Nigger bar. Type bar.
- Pinch bar. Vehicle tow bar.
- Rail-joint bar. Welt bar.
- Bar chair. W. E. White. 1,751,673; Mar. 25.
- Bar for curtains, Bottom. J. L. Mohun and H. Piesch. 1,782,905; Nov. 25.
- Bar for doors, Operating. A. F. O'Connor. 1,743,382; Jan. 14.
- Bar for doors, Push. E. L. Teich. Des. 82,633; Nov. 25.
- Bar for insulated railway-rail joints, Angle or joint. H. J. Hausken. 1,764,563; June 17.
- Bar or fishplate, Splice. L. S. Wilbur. 1,754,248; Apr. 15.
- Bar screen. F. A. Downes. 1,773,576; Aug. 19.
- Bar splice for woven-wire fabrics. K. E. Peiler. Re17,774; Aug. 19.
- Bar winding of dynamo-electric machine elements. V. G. Apple. 1,775,634; Sept. 16.
- Bars, Mechanism for actuating pivoted type. M. Garbell. 1,777,994; Oct. 7.
- Barbecuing machine. C. Van Allen. 1,782,639; Nov. 25.
- Barber chair. W. F. Stokes. 1,773,504; Aug. 19.
- Barber's chair. L. A. Carter. 1,770,197; July 8.
- Barber's chair. I. S. Mitchell. 1,756,756; Apr. 29.
- Barge. J. L. Taylor. 1,764,585; June 17.
- Barge-coal-loading apparatus. H. Adams. 1,752,410; Apr. 1.
- Barge, Tilting. K. Zickerow and C. Warnatz. 1,757,495; May 6.
- Barium and strontium sulphates, Transforming the. F. Rothe and H. Brenek. 1,772,269; Aug. 5.
- Barium carbonate and sodium sulphhydrate manufacture. J. B. Pierce, jr. 1,774,523; Sept. 2.
- Barium sulphate and making same. J. B. Pierce. 1,765,737; June 24.
- Barium sulphate, Refining and purifying. H. V. Farr. 1,752,244; Mar. 25.
- Barium sulphide solutions, Making. H. Howard. 1,776,029; Sept. 16.
- Bark or other substances, Drying. A. H. White. 1,746,919; Feb. 11.
- Bark-stripping machine. H. Vogl. 1,751,258; Mar. 18.
- Barn and other building. F. H. Richards. 1,768,861; July 1.
- Barometer. H. Neuwirth. 1,786,219; Dec. 23.
- Barrel. J. R. Coe. 1,767,051; June 24.
- Barrel. H. L. Hoyt. 1,775,224; Sept. 9.
- Barrel, Core. J. G. Bone. 1,761,292; June 3.
- Barrel for reels, Sectional. R. D. Smith. 1,767,710; June 24.
- Barrel-handling apparatus. J. R. Coe. 1,750,878; Mar. 18.
- Barrel of firearms. K. Witzell. 1,784,325; Dec. 9.
- Barrel sand-blast machine, Revolving. E. A. Rich, jr. 1,770,013; July 8.
- Barrel tilting and supporting device. A. J. Laughlin. 1,743,464; Jan. 14.
- Barrels and the like, Making metal. J. J. Cain. 1,758,929; May 20.

- Barrels or drums, Making sheet metal. C. T. Draper. 1,748,036; Feb. 18.
- Barrette. A. and J. Goodman. 1,784,430; Dec. 9.
- Barrette, Elastic. M. J. Wrighton. 1,743,587; Jan. 14.
- Barytes, Making bleached white. W. J. O'Brien. 1,758,009; May 13.
- Barytes, Treating. C. P. De Lore and B. B. McHan. 1,783,778; Dec. 2.
- Base and back structure for loose-leaf binders and forming the same, Combined. R. M. Watson. 1,771,104; July 22.
- Bas ball bats, golf clubs, etc., Treating. H. C. Hanna. 1,770,403; July 15.
- Baseball game apparatus. L. E. Snodgrass. 1,772,116; Aug. 5.
- Baseboard construction. I. A. Baum. 1,783,180; Dec. 2.
- Base-exchange material and making same. E. M. Partidge and E. W. Scarritt. 1,766,350; June 24.
- Base exchange material and preparing same. A. S. Behrman. 1,756,623; Apr. 29.
- Base-exchange substance. A. S. Behrman. 1,756,624; Apr. 29.
- Base-exchanging properties, Increasing. O. Liebknecht. 1,787,008; Dec. 30.
- Base for a display stand or similar article. V. N. Siegel. Des. 81,852; Aug. 19.
- Base for a laundry appliance. J. G. Fehn. Des. 82,638; Nov. 25.
- Base for a stand. C. W. Joham. Des. 81,982; Sept. 9.
- Base for bird-cage stands or similar articles. S. Babitzky. Des. 82,720; Dec. 9.
- Base for lamp standards. C. F. Haas. Des. 80,525; Feb. 18.
- Base for nickel clocks, Metal. J. O. Simpson. 1,785,231; Dec. 16.
- Base for statuery and the like, Illuminated. H. Shapiro. Des. 82,454; Nov. 4.
- Base for table legs, etc., Sanitary. E. H. Oakman. 1,745,905; Feb. 4.
- Base member for use with cooking vessels. E. V. Coulston. 1,785,182; Dec. 16.
- Base plate for railroad-track structures. G. W. Muller. 1,752,451; Apr. 1.
- Base to hold nozzles and supply pipes. F. P. Bucklein. 1,786,146; Dec. 23.
- Bases, Threading. R. Brindle, jr. 1,760,629; May 27.
- Basement circulator. C. A. Borgeson. 1,753,686; Apr. 8.
- Basin and heat reclaimers, Soil-water Catch. F. S. Boltz. 1,783,033; Nov. 25.
- Basin, Catch. H. Hayley. 1,758,318; May 13.
- Basin, Folding hand. W. E. Gorham. 1,746,422; Feb. 11.
- Basin for medical and dental purposes. E. B. Mabee. Des. 81,754; Aug. 5.
- Basin for soil-water-heat reclaimers, Catch. F. S. Boltz. 1,783,950; Dec. 9.
- Basin, Sanitary. C. H. Windsor. 1,774,216-7; Aug. 26.
- Basing machine for incandescent lamps and similar devices. W. W. Loebe, W. Ledig, and H. Asmussen. 1,760,507; May 27.
- Basket. E. V. Hawkins. 1,786,998; Dec. 30.
- Basket. G. O. Reshaw. 1,750,117; Mar. 11.
- Basket. H. A. Ringel. Des. 81,809; Aug. 12.
- Basket and cover therefor. H. A. Taylor. 1,753,671; Apr. 8.
- Basket and lining therefor, Centrifugal. H. B. Johnson. 1,770,854; July 15.
- Basket-ball-basket suspension. W. Wallace. 1,757,350; May 6.
- Basket-ball retriever. F. J. Hatley. 1,765,269; June 17.
- Basket, Centrifugal. E. Roberts. 1,747,144; Feb. 11.
- Basket, Centrifugal. E. Roberts. 1,753,023; Apr. 1.
- Basket, Collapsible. F. E. Brunell. 1,757,168; May 6.
- Basket, Dish. T. McGill. 1,759,993; May 27.
- Basket elements, Apparatus for assembling. J. H. Loomis. 1,747,519; Feb. 18.
- Basket, Extractor. A. G. Macdonell. 1,749,292; Mar. 4.
- Basket, Fireplace. E. H. Sholar. Re17,750; July 29.
- Basket, fire-tool support, and floor lamp, Combined fuel. S. P. Whidden. Des. 80,986; Apr. 15.
- Basket, Flower. F. P. and A. A. Gruenholz. 1,786,062; Dec. 23.
- Basket, Flower. G. L. Wilson. 1,786,141; Dec. 23.
- Basket for dishwashers, Upper. F. G. Brotz. 1,756,810; Apr. 29.
- Basket handle. F. B. Townsend. 1,781,611; Nov. 11.
- Basket lifter, Desk. H. A. May. 1,756,870; Apr. 29.
- Basket liner. J. S. Rice and J. W. Trew. 1,758,851; May 13.
- Basket-lining device. C. J. Dudley. 1,758,827; May 13.
- Basket machine. C. J. Dudley. 1,751,728; Mar. 25.
- Basket-making machine. A. H. Schmidtke. 1,770,628; July 15.
- Basket-making method and means. W. E. Hatch. 1,770,613; July 15.
- Basket, Shipping. C. M. Hogue. 1,746,653; Feb. 11.
- Basket with handles. R. Weber. 1,744,088; Jan. 21.
- Baskets, Method and apparatus for making. A. H. Schmidtke. 1,752,856; Apr. 1.
- Baskets or other receptacles, Making. C. Swlgert. 1,745,128; Jan. 28.
- Bassinet. L. R. Dougherty. 1,760,301; May 27.
- Baster for meats. G. J. Lieser and P. C. Murphy. 1,750,809; Mar. 18.
- Basting apparatus, Hem. G. Dushman. 1,745,210; Jan. 28.
- Bat. F. J. Vincent. 1,758,418; May 13.
- Batch box. E. P. Forrestel. 1,754,550; Apr. 15.
- Batch box. M. Madsen. 1,764,327; June 17.
- Batch box and grappling means therefor. E. P. Forrestel. 1,754,620; Apr. 15.
- Batch-feeding mechanism. I. O. Pedersen. 1,761,229; June 3.
- Batcher, Dustless. G. O. Harm. 1,779,734; Oct. 28.
- Batchmeter preliminary alarm. E. H. Lichtenberg. 1,770,176; July 8.
- Batchmeter, Spring-type. H. A. Trester. 1,775,445; Sept. 9.
- Bath: See—
Animal bath. Sitz bath.
Dye bath. Solar bath.
Electroplating bath.
- Bath and drier, Infant's. W. F. Abbott. 1,750,698; Mar. 18.
- Bath apparatus, Liquid. C. B. Cook. 1,754,612; Apr. 15.
- Bath apparatus, Sun. G. A. Proctor. 1,780,363; Nov. 4.
- Bath fixture. G. P. Boehm. 1,783,492; Dec. 2.
- Bath support for infants, Elevated. F. A. Rumer. 1,766,085; June 24.
- Bath trap. W. H. Oldfield. 1,779,102; Oct. 21.
- Bath waste mechanism, Trip-lever. K. S. Clow and J. A. Byers. 1,744,105; Jan. 21.
- Bath with integral waste. F. G. Brotz. 1,745,002; Jan. 28.
- Bathing appliance, Buoyant. J. W. Loy. 1,758,289; May 13.
- Bathing cap. T. J. Howland. 1,761,302; June 3.
- Bathing device, Buoyant. H. A. Johnson. 1,749,820; Mar. 11.
- Bathing suit or similar article. A. Hollingsworth. Des. 81,135; May 13.
- Bathrobe package and the like. S. Horowitz. 1,764,262; June 17.
- Bathroom equipment. O. H. Ayers and C. Mobley. 1,763,209; June 10.
- Bathtub. B. Bleustein. 1,758,071; May 13.
- Bathtub. R. W. Dowling. 1,781,325; Nov. 11.
- Bathtub. C. J. Steele. Des. 82,856-7; Dec. 16.
- Bathtub and shower, Combination. H. S. Leber. 1,785,636; Dec. 16.
- Bathtub attachment. W. Rafalski. 1,784,749; Dec. 9.
- Batten clamp. F. W. Watson. 1,785,400; Dec. 16.
- Batter fork. E. Buck. 1,751,853; Mar. 25.
- Batteries, Apparatus for testing. B. F. W. Heyer. 1,772,217; Aug. 5.
- Batteries, Charge-cut-off for storage. W. E. Kershaw. 1,758,522; May 13.
- Batteries, Charge indicator for storage. W. E. Holland. 1,777,436; Oct. 7.
- Batteries, Device for controlling the voltage of storage. E. B. Jacobson. 1,781,844; Nov. 18.
- Batteries, Recharging. J. D. Broadfoot. 1,743,594; Jan. 14.
- Batteries, Sealing storage. H. H. Aldrich and J. L. Rupp. 1,784,216; Dec. 9.
- Batteries, System for charging storage. A. D. Pritchard. 1,786,086; Dec. 23.
- Batteries, Vent for storage. C. C. Wallace. 1,758,545; May 13.
- Battery: See—
Chicken battery. Electric battery.
Dry battery. Galvanic battery.
Dry-cell battery. Storage battery.
- Battery. W. B. Schulte. 1,785,981; Dec. 23.
- Battery box. E. W. Schellentrager. 1,756,703; Apr. 29.
- Battery-box mold. R. Holz. 1,742,473; Jan. 7.
- Battery-box press. J. A. Lindenberg. 1,759,703; May 20.
- Battery carrier. J. C. Candar. 1,779,207; Oct. 21.
- Battery carrier. E. J. Richardson. 1,779,291; Oct. 21.
- Battery carrier. J. Taylor. 1,778,572; Oct. 14.
- Battery carrier, Storage. J. J. Witkowski and W. L. Leeper. 1,753,396; Apr. 8.
- Battery case, Storage. B. M. Sweet. Des. 81,043; Apr. 22.
- Battery cell and the operation thereof, Storage. R. J. Smith. 1,756,072; Apr. 29.
- Battery cell, Storage. R. C. Mitchell. 1,765,027; June 17.
- Battery-charging circuits. W. H. T. Holden. 1,755,258; Apr. 22.
- Battery-charging connector. H. C. Terrell and F. A. Kerkhoff. 1,786,369; Dec. 23.
- Battery clamp, Storage. E. R. Hiebert. 1,766,515; June 24.
- Battery-condition indicator. N. S. Nelson. 1,779,946; Oct. 28.
- Battery-condition indicator. W. C. Zagarino and M. T. McDonald. 1,744,064; Jan. 21.
- Battery connector. M. M. Armstrong. 1,750,501; Mar. 11.
- Battery connector. R. Yagoda. 1,768,017; June 24.
- Battery construction, Radio. P. M. Marko. 1,767,085; June 24.
- Battery. Controlling the charge of a storage. J. L. Woodbridge. 1,796,280; Dec. 23.
- Battery duplex telegraph system, Central. A. Atherton. 1,773,336; Aug. 19.
- Battery electrode, Storage. S. D. Levings. 1,753,381; Apr. 8.
- Battery-electrolyte-reinforcing means, Dry. G. W. Heise and E. A. Schumacher. 1,784,592; Dec. 9.
- Battery eliminator. R. F. Beers. 1,742,682; Jan. 7.
- Battery eliminator. L. Hammond. 1,758,947; May 20.

- Battery filler. D. Fry. 1,778,383; Oct. 14.
 Battery filling, Automatic device for storage-. J. L. M. Frejaques. 1,745,011; Jan. 28.
 Battery for flash lights. A. G. Owens. 1,774,037; Aug. 26.
 Battery-handling apparatus. E. W. Schellentrager and B. E. Clarkson. 1,764,354; June 17.
 Battery-handling method. E. W. Schellentrager and B. E. Clarkson. 1,764,355; June 17.
 Battery ignition system. C. F. Reis. 1,783,343; Dec. 2.
 Battery indicator, Storage-. C. W. Dietrich. 1,760,937; June 3.
 Battery lifter. J. Petersen. 1,781,077; Nov. 11.
 Battery-lifting device. W. H. Timmons. 1,758,480; May 13.
 Battery patch. L. McDaniel. 1,766,759; June 24.
 Battery-plate building. H. P. Dodge. 1,785,939; Dec. 23.
 Battery plate, Dry-charged. W. S. Hutchinson. 1,749,819; Mar. 11.
 Battery plate-filling machine. W. F. Price and R. H. Beck. 1,757,546; May 6.
 Battery-plate material, Reclaiming. W. C. Smith. 1,752,356; Apr. 1.
 Battery-seal composition. L. M. Currie. 1,771,775; July 29.
 Battery sealing composition, Dry-cell-. H. Rothenberg and S. L. Henken. 1,752,351; Apr. 1.
 Battery-securing device. J. Taylor. 1,772,847; Aug. 12.
 Battery separator. W. E. Holland. 1,765,271; June 17.
 Battery separator and making the same, Silicated storage. R. C. Benner. 1,744,946 Jan. 28.
 Battery separators, Device for shaping. V. A. Smith. 1,751,892; Mar. 25.
 Battery solution, conserving storage. C. B. Diltz. 1,749,665; Mar. 4.
 Battery substitute. W. C. Grunow. 1,768,474; June 24.
 Battery system, Electric. E. R. Gill. 1,781,005; Nov. 11.
 Battery terminal. O. L. Boosinger. 1,756,724; Apr. 29.
 Battery-terminal connector. R. S. Wallenberg. 1,784,259; Dec. 9.
 Battery terminal connection, Storage-. N. L. Derby. 1,759,043; May 20.
 Battery terminal, Detachable. D. H. Schlaegel. 1,754,053; Apr. 8.
 Battery-terminal puller. J. F. Affolter. 1,772,447; Aug. 12.
 Battery-terminal scraper, Self-aligning, self-adjusting. A. Raphael. 1,774,567; Sept. 2.
 Battery terminal, Solderless. V. B. Dawson and I. B. Penton. 1,770,748; July 15.
 Battery tester. L. J. Pearson. 1,781,597; Nov. 11.
 Battery tongs. D. E. Leasure. 1,766,827; June 24.
 Battery traction, Storage-. A. Huguenin. 1,776,317; Sept. 23.
 Battery unit and casing therefor, Dry-cell-. C. P. Deibel. 1,747,757; Feb. 18.
 Bauxite and producing same, Calcined. F. C. Frary. 1,756,425; Apr. 29.
 Bauxite and product thereof, Improving the properties of activated. R. C. Benner and A. P. Thompson. 1,778,517; Oct. 14.
 Beach rest and sunshade. G. Hanan. 1,785,953; Dec. 23.
 Beacon and lantern, Combined. I. Friedman. 1,781,326; Nov. 11.
 Beacon light. T. K. Peters. 1,774,842; Sept. 2.
 Beacon system for night flying. E. A. Sperry. Re17,614; Mar. 4.
 Beacon, Unattended. P. R. Bassett. 1,753,144; Apr. 1.
 Beam cutter. H. Reichel. 1,758,409; May 13.
 Beam-cutting mechanism. W. E. Humphrey. 1,760,411; May 27.
 Beam-forming machine. C. A. Pierce. 1,747,132; Feb. 11.
 Beam setter, Plasterer's corner-. H. R. Wilcox. 1,767,335; June 24.
 Beam-setting ring. F. L. Allensworth. 1,756,327; Apr. 29.
 Beading machine, Collar-can. J. F. Peters. 1,773,854; Aug. 26.
 Beam-adjusting means. S. F. Arbuckle. 1,748,057; Feb. 25.
 Beam and column connection. A. J. Wilcox. 1,744,600; Jan. 21.
 Beam attachment, Long-stroke walking-. T. E. Braly. 1,773,298; Aug. 19.
 Beam, Concrete. H. F. Young. 1,764,134; June 17.
 Beam-handling apparatus for coal-mining and other operations. K. Klepadlo and A. Gratkowski. 1,755,738; Apr. 22.
 Beam hanger. C. M. Copeland. 1,761,658; June 3.
 Beam hanger. J. Lally. 1,742,210; Jan. 7.
 Beam member, Cementitious. C. F. Buente. 1,761,705; June 3.
 Beam, Rolled-metal. N. C. Rendleman. 1,757,388; May 6.
 Beam saddle, Well-. B. A. Hayward. 1,745,298; Jan. 28.
 Beam cutter. G. Lang. 1,781,851; Nov. 18.
 Bean snipper. W. E. Urschel. 1,765,952; June 24.
 Beans, Treating cacao. G. Defren. 1,750,795; Mar. 18.
 Bearing. E. G. Boden. 1,768,460; June 24.
 Bearing. F. E. Breslen. 1,776,412; Sept. 23.
 Bearing. J. B. Henderson. 1,765,584; June 24.
 Bearing. H. A. S. Howarth. 1,760,904; June 3.
 Bearing. H. A. S. Howarth. 1,767,238; June 24.
 Bearing. D. K. Isbell. 1,765,978; June 24.
 Bearing. A. Kingsbury. 1,754,324-5; Apr. 15.
 Bearing. C. J. Klein. 1,782,969; Nov. 25.
 Bearing. H. L. Kutter. 1,769,374; July 1.
 Bearing. E. J. Leach. 1,748,037; Feb. 18.
 Bearing. W. Noble. 1,759,412; May 20.
 Bearing. J. L. Osborne. 1,785,702; Dec. 16.
 Bearing. H. Patterson. 1,749,391; Mar. 4.
 Bearing. C. R. Short. 1,768,528; June 24.
 Bearing. W. O. Smith. 1,755,275; Apr. 22.
 Bearing. A. P. Strong. 1,767,623; June 24.
 Bearing. L. W. Sullivan. 1,761,757; June 3.
 Bearing. R. H. Whiteley. 1,743,645; Jan. 14.
 Bearing. R. H. Whiteley. 1,746,020; Feb. 4.
 Bearing. C. H. Witthoff. 1,742,841; Jan. 7.
 Bearing, Adjustable. A. K. Sjolander. 1,778,231; Oct. 14.
 Bearing, Adjustable ball. H. H. Baut. 1,775,803; Sept. 16.
 Bearing, Adjustable double roller. O. H. Penner. 1,761,490; June 3.
 Bearing, Adjustable roller. J. J. Stempel. 1,758,479; May 13.
 Bearing, Adjustable side. E. Seasholtz. 1,759,717; May 20.
 Bearing, Adjustable thrust. C. A. Maris. 1,761,139; June 3.
 Bearing-adjusting means. A. Diezmann. 1,770,228; July 8.
 Bearing-aligning method, Thrust-. M. E. Layne. 1,759,234; May 20.
 Bearing and brush holder, Combined motor. H. S. Becker. 1,756,332; Apr. 29.
 Bearing and eccentric, Combined. E. S. Stadelman. 1,769,864; July 1.
 Bearing and lubrication means therefor, Roller. R. W. Dull. 1,772,711; Aug. 12.
 Bearing and making same. W. H. Klocke. 1,760,559; May 27.
 Bearing and making same. R. L. Seabury. 1,753,581; Apr. 8.
 Bearing and making same, Ball. S. R. Wing. 1,742,840; Jan. 7.
 Bearing and mounting, Antifriction. F. G. Hughes. 1,762,819; June 10.
 Bearing and mounting therefor, Roller. W. B. Bronander. 1,752,777; Apr. 1.
 Bearing and shaft assembly. O. W. Dunham. 1,758,357; May 13.
 Bearing, Antifriction. V. D. Canfield. 1,773,301; Aug. 19.
 Bearing, Antifriction. W. A. Geiger. 1,750,797; Mar. 18.
 Bearing, Antifriction. H. R. Gibbons and R. E. Wells. 1,772,346; Aug. 5.
 Bearing, Antifriction. K. O. Leon. 1,766,440; June 24.
 Bearing, Antifriction. J. F. O'Connor. 1,758,965; May 20.
 Bearing, Antifriction. J. F. O'Connor. 1,761,275; June 3.
 Bearing, Antifriction. J. E. Shafer. 1,787,214; Dec. 30.
 Bearing, Antifriction. H. L. Thompson. 1,750,140; Mar. 11.
 Bearing, Antifriction. J. F. Williams. 1,785,063; Dec. 16.
 Bearing, Antifriction. C. M. Zubler. 1,776,647; Sept. 23.
 Bearing, Antifriction roller side. J. F. O'Connor. 1,760,206; May 27.
 Bearing, Ball. J. A. Gregovsky. 1,747,867; Feb. 18.
 Bearing body and making same. W. H. Klocke. 1,753,434; Apr. 8.
 Bearing body, Porous. J. Brincil. 1,771,615; July 29.
 Bearing-boring apparatus. F. A. Litter. 1,767,384; June 24.
 Bearing box. D. C. Brown. 1,773,661; Aug. 19.
 Bearing box. F. C. Thomson. 1,755,570; Apr. 22.
 Bearing box and lining therefor. M. C. Neuenfelt. 1,756,095; Apr. 29.
 Bearing box, Car-journal roller-. W. Messenger. 1,774,655; Sept. 2.
 Bearing bushing for pump construction, Sliding. A. H. Bowizer, jr. 1,756,276; Apr. 29.
 Bearing cage, Antifriction-. C. B. Simmons. 1,767,407; June 24.
 Bearing cages, Making roller. H. J. Ness and C. H. Roth. 1,781,241; Nov. 11.
 Bearing, Car-truck center. G. W. Wiegand. 1,780,103; Oct. 28.
 Bearing, Center. D. B. Jacobs. 1,770,982; July 22.
 Bearing, Center. J. F. O'Connor. 1,765,877; June 24.
 Bearing, Combined duty and thrust. B. S. Watling. 1,763,840; June 17.
 Bearing, Connecting-rod. S. G. Reinhard. 1,785,459; Dec. 16.
 Bearing connection, Ball-. F. C. Bantin. 1,776,746-7; Sept. 23.
 Bearing construction. K. W. Atwater. 1,771,108; July 22.
 Bearing construction. P. C. Bruckmann. 1,782,710; Nov. 25.
 Bearing construction. G. W. Curtis. 1,751,134; Mar. 18.
 Bearing construction. S. Johnson. 1,745,425; Feb. 4.
 Bearing construction. C. Y. Knight. 1,744,048; Jan. 21.
 Bearing construction for railway cars, Center-. H. W. Alden. 1,751,065; Mar. 18.
 Bearing construction, Journal-. I. C. Howes. 1,743,548; Jan. 14.
 Bearing, Crank-shaft. H. Austin. 1,764,672; June 17.
 Bearing, Cushion side. W. L. Downey. 1,755,869; Apr. 22.

- Bearing, Demountable sheave. S. H. H. Parsons. 1,786,741; Dec. 30.
- Bearing, Expansion. J. L. McKeown. 1,781,517; Nov. 11.
- Bearing for brake hangers. C. J. Nash. 1,766,346; June 24.
- Bearing for cars, Lateral-motion roller. F. L. Barber and E. W. Webb. 1,782,130; Nov. 18.
- Bearing for cars, Side. L. W. Barber and E. W. Webb. 1,763,081; June 10.
- Bearing for connecting-rod assemblies, Crank-pin. H. L. Brownback. 1,783,698; Dec. 2.
- Bearing for conveyer rollers. C. J. Reichle. 1,784,848; Dec. 16.
- Bearing for drill pipes, Antifriction. H. H. Holdaway. 1,756,195; Apr. 29.
- Bearing for ordnance, Trunnion. A. Dabrasky. 1,742,436; Jan. 7.
- Bearing for power-driven feed rolls, Adjustable. J. S. Pecker. 1,777,807; Oct. 7.
- Bearing for pump-operating members. J. P. Ratigan. Re17,904; Dec. 16.
- Bearing for railroad vehicles, Journal. C. W. Todd. 1,775,413; Sept. 9.
- Bearing for railway cars and the like. C. H. Smith. 1,765,705; June 24.
- Bearing for railway cars, Journal. S. H. Campbell. 1,775,420; Sept. 9.
- Bearing for railway cars, Side. C. R. Busch. 1,761,815; June 3.
- Bearing for roller earth-boring drills. F. L. Scott. 1,747,394; Feb. 18.
- Bearing for rolls in rolling mills. L. Rixecker. 1,772,817; Aug. 12.
- Bearing for sewing machines, Adjustable needle-lever. L. G. Bowman. 1,763,949; June 17.
- Bearing for shafts, Ball. J. Fieux. 1,769,736; July 1.
- Bearing for spindles, Adjustable. F. E. Ryder. 1,779,781; Oct. 28.
- Bearing for steering columns. E. S. Patch. 1,761,533; June 3.
- Bearing for turbine shafts. G. A. Jessop. 1,742,256; Jan. 7.
- Bearing for vehicles, Resilient center. G. Q. Lewis. 1,775,249; Sept. 9.
- Bearing for well drills, Sand-flinging. C. C. Scharpenberg. 1,778,731; Oct. 21.
- Bearing grooving and pocketing machine. C. T. Sondley. 1,782,104; Nov. 18.
- Bearing, High-speed. C. T. Raule. 1,775,408; Sept. 9.
- Bearing housing. J. L. Ray. 1,754,904; Apr. 15.
- Bearing, Hub. T. B. Funk. 1,743,712; Jan. 14.
- Bearing, Integral cam-shaft. A. E. L. Chorlton. 1,761,872; June 3.
- Bearing, Journal. F. L. Alben. 1,743,093; Jan. 14.
- Bearing, Journal. P. Ermert. 1,777,259; Sept. 30.
- Bearing, Journal. D. H. French. 1,748,925; Feb. 25.
- Bearing, Journal. A. Lade. 1,762,444; June 10.
- Bearing, Journal. W. Noble. 1,748,362; Feb. 25.
- Bearing, Journal. J. F. O'Connor. 1,762,411-12; June 10.
- Bearing, Journal. J. F. O'Connor. 1,769,035; July 1.
- Bearing, Journal-box. H. Parker. 1,772,679; Aug. 12.
- Bearing key. W. F. Kasper. 1,772,008; Aug. 5.
- Bearing, Knife-edge. R. F. H. Caillaud. 1,786,424; Dec. 30.
- Bearing, Knife-grinder. A. W. Beaman. 1,767,272; June 24.
- Bearing, Loop. A. W. Dean. 1,751,980; Mar. 25.
- Bearing material for current-traversed bearings. J. A. Weiger. 1,751,780; Mar. 25.
- Bearing members, Production of expanded load. M. D. Brody. 1,746,520; Feb. 11.
- Bearing members, Production of expanded load. H. A. Kessler. 1,747,138; Feb. 11.
- Bearing metal and making the same. H. J. Shoemaker. 1,745,720; Feb. 4.
- Bearing mounting. R. J. Brittain, jr., and P. H. Hutchinson. 1,767,429; June 24.
- Bearing mounting. F. G. Hughes. 1,754,892; Apr. 15.
- Bearing mounting. F. G. Hughes. 1,758,667; May 13.
- Bearing mounting. E. H. Kendall. 1,778,391; Oct. 14.
- Bearing mounting. S. Madsen. 1,781,467; Nov. 11.
- Bearing mounting for dandy rolls, Ball. P. S. Sinclair. 1,783,317; Dec. 2.
- Bearing, Multistage. A. Arutunoff. 1,769,933; July 8.
- Bearing, Noncorrosive. A. W. Caps. 1,771,994; Aug. 5.
- Bearing, Outboard. V. E. Ready. 1,776,086; Sept. 16.
- Bearing, Railway-car journal. T. V. Buckwalter. 1,748,972; Mar. 4.
- Bearing, Renewable rubber. A. G. Johnson. 1,775,282; Sept. 9.
- Bearing, Rocker. C. T. Westlake. 1,765,810; June 24.
- Bearing, Roller. W. F. and J. A. Berger. 1,751,189; Mar. 18.
- Bearing, Roller. G. F. Blume. 1,754,077; Apr. 8.
- Bearing, Roller. A. D. Booth. 1,763,750; June 17.
- Bearing, Roller. W. D. Burns. 1,753,691; Apr. 8.
- Bearing, Roller. F. C. Cowburn. 1,785,617; Dec. 16.
- Bearing, Roller. G. A. Darby. 1,783,957; Dec. 9.
- Bearing, Roller. C. M. Eberling. 1,781,450; Nov. 11.
- Bearing, Roller. A. T. Killian. 1,757,199; May 6.
- Bearing, Roller. A. T. Killian. 1,773,461; Aug. 19.
- Bearing, Roller. L. Leonard. 1,742,512-13; Jan. 7.
- Bearing, Roller. B. A. Ryan. 1,752,616; Apr. 1.
- Bearing, Roller. S. A. Strickland and T. Zimmerman. 1,784,914; Dec. 16.
- Bearing, Roller. G. W. Taylor. 1,756,264; Apr. 29.
- Bearing, Roller. R. E. Wells. 1,786,926; Dec. 30.
- Bearing, Rolling. E. Hambleton. 1,749,281; Mar. 4.
- Bearing, Rolling-mill. E. M. Jones and C. A. Writer. 1,771,791; July 29.
- Bearing, Scale. H. C. Schaper. 1,764,649; June 17.
- Bearing seal. C. C. Spreen. 1,764,701; June 17.
- Bearing, Self-adjusting shaft. W. Strohmeier. 1,749,196; Mar. 4.
- Bearing, Self-aligning pitman. R. R. Bloss and R. C. Pfeil. 1,755,723; Apr. 22.
- Bearing, Self-aligning roller. W. L. Scribner. 1,781,886; Nov. 18.
- Bearing, Shaft. P. C. Ackerman. 1,778,822; Oct. 21.
- Bearing, Shaft. C. O. Anderson. 1,746,981; Feb. 11.
- Bearing, Shaft. E. P. Larsh. 1,773,427; Aug. 19.
- Bearing-sheave construction, Ball. W. M. Venable. 1,747,745; Feb. 18.
- Bearing, Shoe. C. C. Calkins. 1,781,157; Nov. 11.
- Bearing, Side. A. M. Brenne. 1,763,843; June 17.
- Bearing, Side. G. S. Crawford. 1,756,283; Apr. 29.
- Bearing, Side. W. E. Wine. 1,786,378; Dec. 23.
- Bearing sleeve, Propeller-shaft thrust. R. Pecora. 1,774,488; Aug. 26.
- Bearing, Spindle. E. J. Hirvonen. 1,748,174; Feb. 25.
- Bearing, Spindle. J. B. Nanteau. 1,745,112; Jan. 28.
- Bearing structure. J. B. Fisher. 1,748,120; Feb. 25.
- Bearing swivel, Multiple. J. A. Wray. 1,748,269; Feb. 25.
- Bearing, Thrust. A. E. Freeman. 1,786,565; Dec. 30.
- Bearing, Thrust. H. W. Nieman. 1,751,651; Mar. 25.
- Bearing, Thrust. H. F. Schmidt. 1,762,360; June 10.
- Bearing, Thrust. D. E. Wilkinson. 1,742,741; Jan. 7.
- Bearing tool, Load. T. F. Connors. 1,754,415; Apr. 15.
- Bearing, Trolley. M. D. Stalder. 1,760,020; May 27.
- Bearing unit, Thrust. M. Spillmann. 1,745,871; Feb. 4.
- Bearing, Vacuum-cleaner brush. J. M. Darst. 1,755,054; Apr. 15.
- Bearing, Valve. J. R. Francis. 1,763,350; June 10.
- Bearing, Vehicle spring. R. R. Searles and E. H. Cooper. 1,757,746; May 6.
- Bearing, Vehicle-spring. R. R. Searles and E. H. Cooper. 1,785,655; Dec. 16.
- Bearing, Walking-beam. R. R. Bloss, E. B. Maurer, and S. B. Creamer. 1,775,628; Sept. 9.
- Bearing, Wrist-pin. M. H. Ackerman. 1,774,219; Aug. 26.
- Bearings, Adapter for. C. J. Winkler. 1,746,978; Feb. 11.
- Bearings and apparatus therefor, Producing. L. W. Chadwick. 1,744,030; Jan. 21.
- Bearings, Apparatus for lubricating. A. J. Turner. 1,776,938; Sept. 30.
- Bearings, Apparatus for washing antifriction. G. P. Anstiss. 1,766,208; June 24.
- Bearings, Armoring of brasses or steps for. W. Peyinghaus. 1,778,961; Oct. 21.
- Bearings, Assembling antifriction. F. G. Hughes. 1,783,791; Dec. 2.
- Bearings, Ball retainer for antifriction. F. C. Yates. 1,767,107; June 24.
- Bearings, Cage for ball. A. H. Linde. 1,750,641; Mar. 18.
- Bearings, Device for babbitting connecting rod or other. R. H. Webber. 1,748,688; Feb. 25.
- Bearings, Forming. L. J. Sauer and C. H. Joy, jr. 1,753,837; Apr. 8.
- Bearings from axles, Removing. T. V. Buckwalter. 1,753,771; Apr. 8.
- Bearings, Making. E. P. Kerruish. 1,759,906; May 27.
- Bearings, Making. C. H. Landers. 1,761,926; June 3.
- Bearings, Making. C. H. Landers. 1,783,438; Dec. 2.
- Bearings, Making. C. R. Short. 1,768,529; June 24.
- Bearings, Making lined. W. H. Klocke. 1,753,435; Apr. 8.
- Bearings, Making sheet-metal. W. H. Klocke. 1,787,255; Dec. 30.
- Bearings, Mounting single and double row ball. L. Rouanet. 1,762,891; June 10.
- Bearings on arbors in multiple, Mounting. L. C. Blomstrom. 1,786,557; Dec. 30.
- Bearings on car axles, Mounting roller. T. V. Buckwalter. 1,748,971; Mar. 4.
- Bearings on car axles, Mounting roller. T. V. Buckwalter. 1,748,973; Mar. 4.
- Bearings on pivoted structures, Lubrication of. J. Bijur. 1,755,626-8; Apr. 22.
- Bearings, Plunger overflow for sealed sleeve. J. L. Brown. 1,757,615; May 6.
- Bearings, Producing. E. J. Leach. 1,748,038; Feb. 18.
- Bearings, Pull-off mechanism for roller. R. B. Noble. 1,764,116; June 17.
- Bearings, Take-up for multiple antifriction. L. Holland-Letz. 1,744,393; Jan. 21.
- Beater. C. Andrews, jr. 1,764,597; June 17.
- Beater. W. J. Casey. 1,744,445; Jan. 21.
- Beater. G. Schleicher. 1,762,081; June 3.
- Beater and vacuum cleaner, Combined. B. F. Blake. 1,743,954; Jan. 14.
- Beater attachment for vacuum cleaning machines. J. C. Brehm. 1,771,992; Aug. 5.
- Beater, Egg. P. K. Bushnell. 1,742,230; Jan. 7.
- Beater mill. W. J. Kuntz. 1,742,511; Jan. 7.
- Beater, Paper pulp. W. N. Sherwood. 1,780,845; Nov. 4.
- Beater roll. A. J. Allison. 1,778,710; Oct. 21.

- Beater wheel, Expansible. D. J. Litchfield. 1,767,686; June 24.
- Beater, Wide-spread. J. R. Orelind. 1,777,127; Sept. 30.
- Beating apparatus. C. H. Kircoaf. 1,754,519; Apr. 15.
- Beating mechanism for drums, Pedal-operated. L. Juster. 1,775,283; Sept. 9.
- Beauty-parlor chair. W. Meyer. 1,753,470; Apr. 8.
- Becket. J. S. Taylor. 1,767,325; June 24.
- Bed. P. L. Gottschalk. 1,775,240; Sept. 9.
- Bed, Adjustable pedestal. W. Baur. 1,744,944; Jan. 28.
- Bed and producing the same, Needle. M. C. Miller. 1,779,554; Oct. 28.
- Bed attachment. L. R. Dougherty. 1,760,303; May 27.
- Bed, Automatically-stabilized folding. F. S. Inco. 1,749,382; Mar. 4.
- Bed, Automobile. L. E. Ike. 1,744,701; Jan. 21.
- Bed, Automobile. M. Konzelman. 1,767,890; June 24.
- Bed-bottom fabric, Automatically-folding. N. S. Harter. 1,758,830; May 13.
- Bed, Chair. J. W. Sterbenz. 1,745,459; Feb. 4.
- Bed, Convertible single or double. W. Lewis. 1,780,792; Nov. 4.
- Bed, Closetable folding. H. U. Crain. 1,758,275; May 13.
- Bed, Collapsible. W. Calvano. 1,742,197; Jan. 7.
- Bed, Collapsible. R. J. Ellsworth. 1,743,332; Jan. 14.
- Bed construction. M. Bowers. 1,748,537; Feb. 25.
- Bed construction, Folding. A. C. Beech. 1,742,801; Jan. 7.
- Bedcover frame. E. T. Seifarth. 1,782,276; Nov. 18.
- Bed, crib, and seat, Combined folding. E. Moran. 1,743,828; Jan. 14.
- Bed, Davenport. O. A. Honsinger. 1,743,216; Jan. 14.
- Bed davenport. E. Levy. 1,749,708; Mar. 4.
- Bed davenport, Combination. A. C. Gould. 1,761,261; June 3.
- Bed, Disappearing. A. L. Jones. Re17,647; Apr. 22.
- Bed, Disappearing. N. Sinclair. 1,774,766; Sept. 2.
- Bed, Door. C. F. Kolb. 1,753,270; Apr. 8.
- Bed end and wardrobe, Combined. J. Zatzkin. 1,776,608; Sept. 23.
- Bed, Folding. R. Coopersmith. 1,770,603; July 15.
- Bed, Folding. W. C. Ransom. 1,746,906; Feb. 11.
- Bed, Folding. F. E. Rukaber and C. J. Van Avery. 1,747,028; Feb. 11.
- Bed, Folding. L. E. Schilling. 1,763,447; June 10.
- Bed, Folding. A. H. Wartchow. 1,747,409; Feb. 18.
- Bed for type-casting machines and the like, Pattern. C. A. Macomic. 1,753,438; Apr. 8.
- Bed frame. B. M. Frank. 1,782,988; Nov. 25.
- Bed, Hospital. E. L. Munson. 1,780,399; Nov. 4.
- Bed, Invalid. A. Iplician. 1,787,380; Dec. 30.
- Bed, Living-room folding. E. G. Wikman and C. Carlson. 1,757,068; May 6.
- Bed or box-lounge construction, Day-. R. Bradshaw and R. Ferguson. 1,768,435; June 24.
- Bed or chair, Folding. C. Vale. 1,777,946; Oct. 7.
- Bed or couch, Folding. C. H. House. 1,785,865; Dec. 23.
- Bed or mattress, Variable-pressure. J. D. Hart. 1,772,310; Aug. 5.
- Bed or similar article. T. G. Kindel. Des. 81,340; June 10.
- Bed or the like, Portable. W. A. Matheson. 1,757,377; May 6.
- Bedpan cleaner. G. F. Hall. 1,766,629; June 24.
- Bedpan, Rubber-cushion. E. B. Allcutt. 1,769,482; July 1.
- Bedpan washer. J. H. Okun. Des. 81,120; May 6.
- Bedpans, Air cushions for. L. Sawyer. 1,772,783; Aug. 12.
- Bed, Portable folding. E. Cocks. 1,781,439; Nov. 11.
- Bedpost or similar article. T. G. Kindel. Des. 82,945; Dec. 30.
- Bed-rail lock. S. B. Gamble. 1,753,407; Apr. 8.
- Bed, Roll-about folding. N. Sinclair. 1,745,193; Jan. 28.
- Bed, Roll-around. C. Lofman. 1,776,516; Sept. 23.
- Bed, Sliding-spiral-spring. P. P. Beby. 1,783,531; Dec. 2.
- Bed, Sofa. C. R. Hultgren. 1,764,874-5; June 17.
- Bedsread. D. V. Belknap. Des. 81,432; June 24.
- Bedsread. D. V. Belknap. Des. 81,617; July 22.
- Bedsread. S. Stewart. 1,764,764; June 17.
- Bedsread or similar article. J. R. Clark. Des. 82,251; Oct. 14.
- Bedspring. M. L. Cohn. 1,768,189; June 24.
- Bedspring. C. H. Gail. 1,771,573; July 29.
- Bed spring. J. B. Goodwill. 1,748,018; Feb. 18.
- Bed spring. J. P. Hise. 1,746,942; Feb. 11.
- Bedspring. J. T. Prows. 1,763,254; June 10.
- Bedspring fabric. R. Ferguson. 1,768,444; June 24.
- Bed-spring fabric. J. Johnson. 1,780,352; Nov. 4.
- Bedsprings, Adjusting articulated. L. R. Dougherty. 1,760,302; May 27.
- Bed stay. J. H. De Boer. 1,785,075; Dec. 16.
- Bedstead. C. A. Stuart. Des. 82,119; Sept. 23.
- Bedstead and bed bottom. C. R. Minter. 1,760,766; May 27.
- Bedstead end frame. C. A. Stuart. Des. 81,765; Aug. 5.
- Bedstead end frame. C. A. Stuart. Des. 82,120; Sept. 23.
- Bedstead end frame or analogous article. J. McKay. Des. 82,617-20; Nov. 25.
- Bedstead frame. W. A. French. Des. 80,688; Mar. 11.
- Bedstead, Hospital. M. F. Bayer. 1,775,547; Sept. 9.
- Bedsteads, Collapsible side rail for. A. J. Schultz. 1,765,455; June 24.
- Bed, Swinging. L. O. Oxendorf. 1,757,544; May 6.
- Bed table. W. C. Wetmore and R. H. Seeley. 1,765,514; June 24.
- Bed, Utility folding. W. Jasinski. 1,776,286; Sept. 23.
- Bed, Wall. N. Sinclair. 1,753,304; Apr. 8.
- Bed-warming device. D. B. McLeod. 1,762,663; June 10.
- Bedding clamp. F. M. Correa. 1,760,346; May 27.
- Beds, Brace-leg opening apparatus for folding. C. E. Gray and S. B. Cooke. 1,760,235; May 27.
- Beds, Unit twin. F. M. De Leon. 1,781,807; Nov. 18.
- Bee-comb-frame construction. A. P. Davis. 1,773,221; Aug. 19.
- Beehive. G. L. Fenno. 1,768,041; June 24.
- Beehive-frame hook. L. F. Wilson. 1,755,941; Apr. 22.
- Beehive stand. G. L. Fenno. 1,776,314; Sept. 23.
- Beer wort for further treatment, and for the filtration of beer and other foaming liquids, Process and apparatus for the filtration of. L. Nathan. 1,754,432; Apr. 15.
- Beet blocker. H. Becerra. 1,755,861; Apr. 22.
- Beet cleaner. A. and A. Gudmundsen. 1,747,625; Feb. 18.
- Beet-harvesting machine. D. E. Feltman. 1,779,308; Oct. 21.
- Beet loader. W. L. Grimes. 1,766,293; June 24.
- Beets, Method of and apparatus for handling. L. B. Neighbour and F. A. Thomann. 1,787,161; Dec. 30.
- Beets, Propagating sugar. W. B. Rosevear. 1,758,128; May 13.
- Beetle trap. E. S. Bullock. 1,786,599; Dec. 30.
- Beetle trap. W. A. Ruddell. 1,787,421; Dec. 30.
- Bell. M. Esser. Des. 81,969; Sept. 9.
- Bell and striking unit, Combined ship. W. E. Mutz and B. B. Lavers. Des. 82,389; Oct. 28.
- Bell, Diver's. J. Ughi. 1,758,094; May 13.
- Bell, Electric signal. F. Albright and W. Elsasser. 1,749,175-6; Mar. 4.
- Bell, Electromagnetic. J. F. Moran. 1,764,277; June 17.
- Bell for conduits. C. D. Healy. 1,765,156; June 17.
- Bell, Ornamental hand. I. W. Schmitz and L. C. Rupp. 1,764,532; June 17.
- Bell, Plunger-type electric. E. H. Rollinson. 1,769,312; July 1.
- Bell ringer, Locomotive. D. S. Ellis and C. J. Zusy. 1,782,844; Nov. 25.
- Bell ringer, Locomotive. G. Walter. 1,781,563; Nov. 11.
- Bells by means of door knobs, Device for operating. S. Hoffman. 1,776,729; Sept. 23.
- Bellows and assembling the parts thereof. L. G. Grubman. 1,773,139; Aug. 19.
- Bellows, Making metallic. A. O. Scharer. 1,745,585; Feb. 4.
- Belt. L. Bermejo, and J. Gonzalez. 1,774,222; Aug. 26.
- Belt. S. Tomkins. 1,780,954; Nov. 11.
- Belt, Abdominal. G. Burns. 1,753,739; Apr. 8.
- Belt adjuster. R. L. Crosby. 1,776,996; Sept. 30.
- Belt and making it, Endless. C. J. Burkley and E. G. Kimmich. 1,747,856; Feb. 18.
- Belt and producing same, Sanitary. W. L. Bass. 1,777,191; Sept. 30.
- Belt and the like and making same. F. Welch. 1,746,752; Feb. 11.
- Belt carrier. A. Hein. 1,780,523; Nov. 4.
- Belt clasp. R. W. Johnson. 1,766,337; June 24.
- Belt construction. J. W. Schaffner. 1,773,321; Aug. 19.
- Belt, Conveyor. T. E. Buckner. 1,756,278; Apr. 29.
- Belt conveyor. G. J. Fisher. 1,762,772; June 10.
- Belt conveyor. A. Hopkinson. 1,773,621; Aug. 19.
- Belt, Conveyor. V. C. King. 1,756,598; Apr. 29.
- Belt, Conveyor. J. L. Wentz. 1,771,516; July 29.
- Belt-conveyor roll with lubrication system. J. T. Coghill. 1,767,743; June 24.
- Belt, Driving. F. H. de Bruin. 1,770,301; July 8.
- Belt, Flexible track. A. Kegresse. 1,773,534; Aug. 19.
- Belt for cone pulleys, Driving. S. M. Kellogg. 1,756,790; Apr. 29.
- Belt for personal wear. E. S. Mix. 1,785,967; Dec. 23.
- Belt guide. E. M. and F. M. Brackett. 1,758,246; May 13.
- Belt hook. E. E. Schnelle. 1,768,935; July 1.
- Belt, Life-saving swimming. J. S. Wolk. 1,759,336; May 20.
- Belt, Metal and rubber track. A. Kegresse. 1,786,539; Dec. 30.
- Belt, Metallic. A. W. Hais. 1,773,426; Aug. 19.
- Belt or strip driving arrangement. A. V. Bedford. 1,754,187; Apr. 8.
- Belt plane. W. Hagstrom. 1,754,554; Apr. 15.
- Belt, Power-transmission. E. W. Snyder. 1,749,046; Mar. 4.
- Belt, Pulley. C. R. Short. 1,777,864; Oct. 7.
- Belt replacer. F. L. and W. R. Homstead. 1,755,876; Apr. 22.
- Belt-replacing device. E. E. Schuette. 1,767,155; June 24.
- Belt retainer. H. Bjornwald. 1,775,929; Sept. 16.
- Belt, Safety. T. R. Roberts. 1,746,742; Feb. 11.
- Belt, Sanitary. E. Shea. 1,773,880; Aug. 26.
- Belt, Sanitary-napkin. E. Stafter. 1,782,152; Nov. 18.
- Belt, Sanitary-napkin-supporting. D. McCullough. 1,761,222; June 3.
- Belt, Sectional wire conveyer. V. C. King. 1,766,754; June 24.
- Belt, Salvaged wire conveyer. F. N. Woodman. 1,766,736; June 24.
- Belt splice. P. B. Reeves. 1,761,155; June 3.
- Belt-tensioning device. E. J. Blake and C. I. Lusink. 1,757,164; May 6.
- Belt tightener. W. E. Horner. 1,756,557; Apr. 29.
- Belt tightener. M. A. Mikesh. 1,744,486; Jan. 21.

- Belt tightener for power units. A. E. Nielsen. 1,767,010; June 24.
- Belt tightener, Tension-equalizing chianti. C. V. Lindblad. 1,765,841; June 24.
- Belt-tightening device, Automatic. H. F. Wilhelm. 1,764,767; June 17.
- Belt-tightening mechanism for motor-driven supply units. H. Dalton. 1,782,195; Nov. 18.
- Belt, Traction. B. F. Arps. 1,764,671; June 17.
- Belt with elastic connecting means, Personal-wear. A. H. Beck. 1,779,798; Oct. 28.
- Belting, Woven driving. W. C. Gardiner. 1,756,151; Apr. 29.
- Belts, Process of and apparatus for testing. C. A. Norman. 1,749,297; Mar. 4.
- Bench: See—
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| Box-lidding bench. | Greenhouse bench. |
| Convertible bench. | Manual-training bench. |
| Exhibition bench. | Resilient bench. |
| Garden bench. | Shoe and hosiery bench. |
- Bench. L. W. Newson. 1,744,666; Jan. 21.
- Bench and writing desk, Combination. N. H. Jensen. 1,766,077; June 24.
- Bench-end arm or the like. F. Mugnai. Des. 81,450; June 24.
- Bench-end support or the like. F. Mugnai. Des. 81,448-9; June 24.
- Bench or cabinet, Hat-worker's. L. Rosenbaum. 1,748,560; Feb. 25.
- Bench or similar article. A. Fabbro. Des. 81,129; May 13.
- Bench or similar article. H. F. Holloway. Des. 82,155-6; Sept. 30.
- Bench shaper, Electric. L. R. Heston and A. L. Anderson. 1,748,767; Feb. 25.
- Bend fitting, Return-. L. C. Huff. 1,767,677; June 24.
- Bend fittings, Jigging and assembling return-. F. E. Key. 1,746,535; Feb. 11.
- Bender. A. J. Nowakowski. 1,751,492; Mar. 25.
- Bending apparatus. B. J. McCarthy. 1,754,635; Apr. 15.
- Bending device. V. Navratil. 1,757,779; May 6.
- Bending device. M. W. Walkup. 1,749,616; Mar. 4.
- Bending device for pipes and bars. F. B. Potter. 1,761,798; June 3.
- Bending machine. O. Doult. 1,765,790; June 24.
- Bending machine. W. C. Irvin. 1,759,053; May 20.
- Bending machine. J. R. Kerlin. 1,754,470; Apr. 15.
- Bending machine. Guy Mafera. 1,771,051; July 22.
- Bending machine. W. C. Stevens. 1,753,177; Apr. 1.
- Bending machine. C. H. Strupe. 1,766,963; June 24.
- Bending machine. A. T. Yates. 1,743,418; Jan. 14.
- Bending press. M. H. Paine. 1,758,237; May 13.
- Bends, Forming return. J. E. Trainer, and I. L. Langvand. 1,775,331; Sept. 9.
- Bent-tube boiler. L. J. Marshall. 1,786,913; Dec. 30.
- Benzol and its homologues from fuel gases, Removal of. J. Becker. 1,760,335; May 27.
- Benzol and the like, Recovery of. P. T. Sharples. 1,766,196; June 24.
- Benzol and valuable by-products from butane, propane, or ethane, or mixtures thereof, Manufacturing. F. Porter. 1,777,894; Oct. 7.
- Benzol, petrol, and the like, Purification of. K. Cox and P. J. McDermott. 1,742,343; Jan. 7.
- Benzol, Purifying. C. F. Hagen. 1,758,661; May 13.
- Benzoylamino anthraquinones and making same, Meta substituted. K. H. Meyer, H. Hopff, and A. Krause. 1,748,240; Feb. 25.
- Benzylcellulose, Isolation of. E. Dorr. 1,771,529; July 29.
- Berry picker. H. E. Carr. 1,780,376; Nov. 4.
- Berth-curtain ventilator, Pullman-. L. O. B. Lindstrom. 1,753,572; Apr. 8.
- Beryllium compounds, Recovering soluble. H. Loewenstein. 1,777,267; Sept. 30.
- Beryllium, Production of. H. S. Cooper. 1,775,589; Sept. 9.
- Beryllium sublimates containing sulphur and aluminum with a view to obtaining beryllium compounds, Working on. H. Loewenstein. 1,777,122; Sept. 30.
- Bessemerizing, Method of and converter for. E. I. Williams. 1,768,649; July 1.
- Betalnethiocyanate. R. Berendes and L. Schütz. 1,780,860; Nov. 4.
- Bevel, Universal. M. K. Parkhurst. 1,769,711; July 1.
- Beveling. F. C. Simmons. 1,761,414; June 3.
- Beverage and preparing the same, Food. W. J. Scholl. 1,781,249; Nov. 11.
- Beverage cup, Quick-. W. M. Williams. 1,770,118; July 8.
- Beverage dispenser. H. E. Crosby. Des. 82,798; Dec. 16.
- Beverage-dispensing device. H. C. Smith. 1,762,126; June 3.
- Beverage display. H. P. Saugman. 1,760,887; June 3.
- Beverage mixer. H. J. D. Cooke. 1,765,129; June 17.
- Beverage mixer. F. S. Hyde. 1,748,483; Feb. 25.
- Beverage mixer. J. Peters. 1,768,927; July 1.
- Beverage, Nonalcoholic. T. P. Avlon. 1,765,899; June 24.
- Beverage stirrer. M. A. Rosenberg. 1,742,878; Jan. 7.
- Beverages, Making Nonalcoholic. J. Parschik. 1,774,399; Aug. 26.
- Beverages, Manufacture of hopped, alcohol reduced, fermented. C. A. Mitchell. 1,769,749; July 1.
- Beverages, Stabilizing cereal. D. Cozzolino. 1,766,428; June 24.
- Beverages, Treatment of. A. Gusmer. 1,765,667; June 24.
- Bias strips, Method and machine for producing. F. A. Seiberling. 1,747,652; Feb. 18.
- Bib, Plumber's. S. M. Kass. 1,759,904; May 27.
- Bicalcium phosphate from submarine solutions, Producing. E. Thilo. 1,786,097; Dec. 23.
- Bicycle and motor-cycle frame. H. Trouche. 1,745,963; Feb. 4.
- Bicycle, Child's. J. R. Smith. 1,772,231; Aug. 5.
- Bicycle mechanism. A. Devito. 1,784,449; Dec. 9.
- Bicycle, Sidewalk. J. L. Schwartz. 1,744,417; Jan. 21.
- Bicycles, Knee grip for motor. L. Gaisman. 1,753,826; Apr. 8.
- Bidet. P. Schlumbohm. 1,779,753; Oct. 28.
- Bidding device, Silent bridge. D. F. Wolyn. 1,786,809; Dec. 30.
- Bifocal fitting device. G. M. Smith. 1,750,731; Mar. 18.
- Bifocal fitting device. G. M. Smith. 1,751,425; Mar. 18.
- Big-end construction for motors. E. S. Cameron. 1,775,508; Sept. 9.
- Bill and card case. C. L'Enfant. 1,765,730; June 24.
- Billboard. J. T. Aultman. Des. 81,320; June 10.
- Billboard. J. W. Haney. 1,748,220; Feb. 25.
- Bill clip. H. Negbaur. Des. 81,396; June 17.
- Bill clip. H. Negbaur. Des. 81,660; July 22.
- Bill fold. J. A. Curry. 1,749,020; Mar. 4.
- Bill fold or receptacle. P. A. Gardner, jr. 1,772,891; Aug. 12.
- Billet or blank suitable for the production of turbine blades. C. A. Parsons and E. G. Brownlow. 1,772,876; Aug. 12.
- Billets, Apparatus for manufacturing bimetallic. H. E. McCrery and A. E. Jesser. Re17,717; June 24.
- Billets, Apparatus for manufacturing bimetallic. H. E. McCrery and A. E. Jesser. 1,747,784; Feb. 18.
- Billiard table. J. Taylor. 1,755,675; Apr. 22.
- Billing machines, Copyholder for. C. R. Drake. 1,760,403; May 27.
- Bimetallic strips, plates, or the like, Making. F. W. Miller. 1,776,364; Sept. 23.
- Bin: See—
- | | |
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| Dispensing bin. | Storage bin. |
| Elevating bin. | |
- Bin. H. L. Glidden. 1,757,185; May 6.
- Bin. C. S. Johnson. 1,754,516; Apr. 15.
- Bin for kitchen cabinets, Flour. O. N. McCormick. 1,783,127; Nov. 25.
- Bin for kitchen cupboards, Corner. E. F. Walter. 1,742,333; Jan. 7.
- Bin front. W. N. Vance. 1,743,837; Jan. 14.
- Bin indicator. H. C. Mittendorf. 1,760,204; May 27.
- Bin or crib, Grain. E. H. Adrian. 1,761,287; June 3.
- Binaphthylendioxide-quinone, Manufacture of. L. Zeh. 1,749,014; Mar. 4.
- Binaural recording and reproducing sound. L. de Forest. 1,777,037; Sept. 30.
- Binder. L. C. Green. 1,766,071; June 24.
- Binder. W. E. Haskin. 1,767,978; June 24.
- Binder. F. J. Kline. 1,755,604; Apr. 22.
- Binder. C. E. Sheppard. 1,746,015; Feb. 4.
- Binder. G. P. Wigginton. 1,745,073; Jan. 28.
- Binder and folding said samples, Fabric-sample. L. H. Pall. 1,764,033; June 17.
- Binder and manufacturing the same, Loose-leaf. D. D. Myers. 1,765,353; June 17.
- Binder attachment. W. N. Möller. 1,748,891; Feb. 25.
- Binder, card-system file, or the like, loose-leaf. J. E. Thureson. 1,773,554; Aug. 19.
- Binder, Corn-shock. H. W. Schon. 1,767,556; June 24.
- Binder for down-hanging sheets. H. L. De Lisle. 1,753,366; Apr. 8.
- Binder for down-hanging sheets. H. L. De Lisle. 1,757,705; May 6.
- Binder for fuel agglomerates. F. M. Crossman. 1,752,838; Apr. 1.
- Binder, Harvester. L. A. Paradise. 1,749,777; Mar. 11.
- Binder hitch. D. W. Smith and W. Webber. 1,782,586; Nov. 25.
- Binder, Load. L. Haubert. 1,758,039; May 13.
- Binder, Load. L. Haubert. 1,758,831; May 13.
- Binder, Loose-leaf. C. C. Andrews. 1,754,664; Apr. 15.
- Binder, Loose-leaf. J. Barker. 1,786,816; Dec. 30.
- Binder, Loose-leaf. B. Blackburn. 1,769,200; July 1.
- Binder, Loose-leaf. J. E. Carr. 1,755,770; Apr. 22.
- Binder, Loose-leaf. J. C. Dawson. 1,751,131; Mar. 18.
- Binder, Loose-leaf. J. C. Dawson. 1,769,120; July 1.
- Binder, Loose-leaf. J. C. Dawson. 1,782,647; Nov. 25.
- Binder, Loose-leaf. N. C. De Loss. 1,754,418; Apr. 15.
- Binder, Loose-leaf. N. C. De Loss. 1,772,567; Aug. 12.
- Binder, Loose-leaf. C. H. Franz, jr. 1,748,644; Feb. 25.
- Binder, Loose-leaf. C. H. Frans, jr. 1,779,121; Oct. 21.
- Binder, Loose-leaf. E. F. Graf. 1,765,579; June 24.
- Binder, Loose-leaf. E. L. Krag. 1,754,471; Apr. 15.
- Binder, Loose-leaf. A. G. Lotter. 1,743,718; Jan. 14.
- Binder, Loose-leaf. A. G. Lotter. 1,744,275; Jan. 21.
- Binder, Loose-leaf. A. G. Lotter. 1,751,553; Mar. 25.
- Binder, Loose-leaf. A. G. Lotter. 1,751,589; Mar. 25.
- Binder, Loose-leaf. A. G. Lotter. 1,758,327; May 13.
- Binder, Loose-leaf. A. G. Lotter. 1,774,281-2; Aug. 26.
- Binder, Loose-leaf. A. G. Lotter. 1,777,006; Sept. 30.
- Binder, Loose-leaf. H. B. McBee. 1,744,912; Jan. 28.
- Binder, Loose-leaf. J. L. McMillan. Re17,895; Dec. 2.
- Binder, Loose-leaf. J. L. McMillan. 1,745,684; Feb. 4.
- Binder, Loose-leaf. J. L. McMillan. 1,747,257; Feb. 18.
- Binder, Loose-leaf. J. L. McMillan. 1,785,684; Dec. 16.

- Binder, Loose-leaf. J. N. Mortensen. 1,780,835; Nov. 4.
 Binder, Loose-leaf. W. S. Proudft and E. F. Graf. 1,745,911; Feb. 4.
 Binder, Loose-leaf. W. A. Ringler. 1,768,151; June 24.
 Binder, Loose-leaf. W. F. Sadtler. 1,776,376; Sept. 23.
 Binder, Loose-leaf. N. H. Stuart. 1,768,343; June 24.
 Binder, Loose-leaf. N. H. Stuart. 1,778,283; Oct. 14.
 Binder, Machine posting. H. S. Jones. 1,763,525; June 10.
 Binder material, Treatment of bituminous. S. Smith. 1,771,017; July 22.
 Binder of the flexible-thong type, Loose-leaf. P. C. G. Lake. 1,767,381; June 24.
 Binder, Sheet. L. C. Reynolds. 1,760,564; May 27.
 Binder, Shock. B. McBride. 1,775,940; Sept. 16.
 Binder, Ski. L. D. Gibson. 1,754,422; Apr. 15.
 Binder, Temporary. L. L. Alyn and W. A. Pool. 1,772,475; Aug. 12.
 Binder, Temporary. H. D. Manning. 1,780,429; Nov. 4.
 Binder, Temporary. M. Meyerson. 1,762,403; June 10.
 Binder, Temporary. G. P. Wigginton. 1,758,549; May 13.
 Binder, Tractor grain. A. P. Kamrowski. 1,756,199; Apr. 29.
 Binder, Tray. J. M. Jones and R. R. Webb. 1,764,264; June 17.
 Binder, Visible index. J. L. McMillan. 1,786,857; Dec. 30.
 Binders and the like to paper hood caps and other articles, Apparatus for applying. W. L. Wright and L. D. Pierce. 1,760,893; June 3.
 Binders, Attachment for loose-leaf. R. J. Copeland. 1,771,619; July 29.
 Binders, Guide plate for loose-leaf. J. L. McMillan. 1,763,059; June 10.
 Binding and like strips to articles, Attachment of. A. Bates and F. Ricks. 1,751,123; Mar. 18.
 Binding device for flexible linear connections. L. W. Rosen. 1,758,978; May 20.
 Binding feeder. J. F. Horning. 1,748,770; Feb. 25.
 Binding post. E. L. Bowles. 1,762,543; June 10.
 Binding post. C. J. Dunzweiler. 1,746,639; Feb. 11.
 Binding post. J. Johnston. 1,776,859; Sept. 30.
 Binding post. S. G. Sears. 1,747,989; Feb. 18.
 Binding post, Separable. H. T. Adams. 1,742,747; Jan. 7.
 Binding strip. A. G. Woodman. 1,770,259; July 8.
 Bipolar limiter with additional differential winding. J. W. Thompson. 1,776,205; Sept. 16.
 Bird bath. C. Morton. 1,758,674; May 13.
 Bird box. H. P. Ijams. 1,748,349; Feb. 25.
 Bird fountain. A. St. George. 1,755,706; Apr. 22.
 Bird lure. C. F. McGlashan. 1,749,497; Mar. 4.
 Bird trap. F. C. Ralph and C. Outwait. 1,754,864; Apr. 15.
 Biscuit cutting and embossing machine. T. L. Green. 1,784,431; Dec. 9.
 Biscuit-making and the like machine. E. L. Vicars. 1,782,327; Nov. 18.
 Biscuit package. L. B. Willoughby. 1,760,732; May 27.
 Biscuits or the like, Apparatus for the manufacture of. W. Dredge. 1,760,047; May 27.
 Bismuth, Refining. T. H. Donahue. 1,778,292; Oct. 14.
 Bit: See—
 Boring bit. Rock bit.
 Core bit. Roller bit.
 Disk bit. Rotary bit.
 Drill bit. Sectional bit.
 Drilling bit. Well-drilling bit.
 Bit. E. A. Reed. 1,747,907; Feb. 18.
 Bit brace. S. Harris. 1,771,958; July 29.
 Bit extension. J. H. Abramson. 1,758,069; May 13.
 Bit for boring long holes. E. Muhlhoff. 1,752,262; Mar. 25.
 Bit for cutting a hole larger than the bit, Method of and. J. A. Zublin. 1,758,773; May 13.
 Bit-forming machine. J. V. Gustin. 1,767,881; June 24.
 Bit for taper boring. J. Costello. 1,770,354; July 8.
 Bit having reciprocating motion, Rotary. J. A. Zublin. 1,758,814; May 13.
 Bit having vertical hammering action. J. A. Zublin. 1,758,774; May 13.
 Bit lifter. C. S. Miller. 1,754,692; Apr. 15.
 Bit lock. J. M. Boyd. 1,776,280; Sept. 23.
 Bitumen, Device for spreading. C. G. Talbott. 1,751,565; Mar. 25.
 Bitumen, other materials, and the like, Machine for emulsifying. H. E. Warsop and F. W. Gough. 1,757,065; May 6.
 Bitumen spreader. C. G. Talbott. 1,759,920; May 27.
 Bituminous composition. T. F. King. 1,771,795; July 29.
 Bituminous material, Process and apparatus for distillation of. Heinrich Koppers. 1,771,048; July 22.
 Bituminous materials, Apparatus for molding. A. J. Pfohl. 1,785,457; Dec. 16.
 Bituminous mixtures, Spreading. G. H. Perkins. 1,766,188; June 24.
 Blackboard and making same, Composition. F. D. Snell. 1,756,393; Apr. 29.
 Blackboard installation, Ventilated. J. F. Johnson. 1,784,900; Dec. 16.
 Blackboard, Music-chart. N. L. Sullivan. 1,766,087; June 24.
 Blacking machine. G. Boulton. 1,774,502; Sept. 2.
 Blacking machine. H. L. Chapin. 1,760,115; May 27.
 Blade-attaching means for windshield wipers. A. F. Gillet. 1,787,068; Dec. 30.
- Blade attachment for clippers. L. J. Wahl. 1,761,550; June 3.
 Blade construction, Clipper-. L. J. Wahl. 1,774,046; Aug. 26.
 Blade-controlling device for road maintainers. O. B. Walters. 1,747,747; Feb. 18.
 Blade, Cultivator. E. G. Chappelow and F. L. Bryant. 1,761,465; June 3.
 Blade cutter, Inserted. F. P. Miller. 1,756,986; May 6.
 Blade cutter, Inserted-. F. P. Miller. 1,768,131; June 24.
 Blade edger. F. Graffenberger. 1,784,625; Dec. 9.
 Blade for rotary blowers and compressors. W. Van Rijswijk. 1,759,027; May 20.
 Blade for safety razors. R. E. Thompson. 1,746,063; Feb. 4.
 Blade for shears, Cutting. G. A. Ungar. 1,765,317; June 17.
 Blade lashing. R. C. Allen. 1,747,690; Feb. 18.
 Blade lock, Compound-taper insertable-. R. R. Weddell. 1,762,110; June 3.
 Blade, Mixing. J. F. Ketchey. 1,746,481; Feb. 11.
 Blade, Scraper. J. P. Erhart. 1,765,218; June 17.
 Blade, Turbine. J. L. Ray. 1,763,256; June 10.
 Blade, Windshield-wiper. W. Storrie. 1,771,824; July 29.
 Blading for reaction turbine. J. de Freudenreich and K. Frey. 1,749,528; Mar. 4.
 Blades, Making turbine. J. L. Ray. 1,748,364; Feb. 25.
 Blades or wings and propellers, Controlling the angle of incidence of aero revolving. D. Kay. 1,750,778; Mar. 18.
 Blades, Stropping. H. J. Gaisman. 1,778,009; Oct. 14.
 Blank feeding and gluing device. H. Carle. 1,786,476; Dec. 30.
 Blank-feeding machine. C. Barbieri. 1,762,947; June 10.
 Blank for wood carvings. G. R. Meyercord and C. B. Norris. 1,742,924; Jan. 7.
 Blank-separating mechanism. H. Carle. 1,786,477; Dec. 30.
 Blanks, Apparatus for drawing hollow. H. Heetkamp. 1,767,845; June 24.
 Blanks by rolling, Process of and apparatus for expanding. F. Kocks. 1,778,111; Oct. 14.
 Blanks for drills, etc., Twisting noncircular. F. T. Harrington. 1,750,776; Mar. 18.
 Blanks, Forming. R. L. Wilcox. 1,748,321; Feb. 25.
 Blanks from a continuously-moving plastic sheet, Apparatus for producing spaced. A. G. Smith. 1,751,451; Mar. 18.
 Blanket and making the same, Printer's. G. L. Willson. 1,775,953; Sept. 16.
 Blanket, Convertible. D. Stevens. 1,748,501; Feb. 25.
 Blanket, Dog. B. Caster-Udell. 1,772,827; Aug. 12.
 Blanket or similar device. I. F. Gehrke. 1,767,842; June 24.
 Blast-distributing means for gas producers. F. H. Treat. 1,776,457; Sept. 23.
 Blast furnace. J. P. Dovel. 1,783,416; Dec. 2.
 Blast furnace. R. Franchot and K. P. McElroy. 1,775,955; Sept. 16.
 Blast furnace. H. Koppers. 1,746,705; Feb. 11.
 Blast furnace. W. A. Stuart. 1,775,551; Jan. 7.
 Blast required for blast-furnace or similar points by means of calcium carbide, Producing the. G. Malyoth. 1,773,491; Aug. 19.
 Blasting apparatus. G. S. Rice. 1,751,659; Mar. 25.
 Blasting-cap protector. B. Callas. 1,776,487; Sept. 23.
 Blasting cartridge with cover and process of production. L. Lisse. 1,767,182; June 24.
 Blasting device. F. A. Halverson. 1,772,994; Aug. 12.
 Blasting device. J. Mora. 1,751,015; Mar. 18.
 Blasting machine. C. P. Banzhof. 1,771,870; July 29.
 Blasting method and tamping cartridge with utilization of liquefied gases. L. Lisse. 1,767,181; June 24.
 Blasting-powder stick, Safety. H. E. Ennis. 1,758,358; May 13.
 Blasting unit. C. E. Bedient. 1,762,044; June 3.
 Bleacher, Movable. F. B. Fitzpatrick. 1,781,058; Nov. 11.
 Bleacher, Portable. W. K. Eversole. 1,778,067; Oct. 14.
 Bleacher structure. F. Vance. 1,766,316; June 24.
 Bleaching. G. Baum. 1,759,341; May 20.
 Bleaching. L. Bradley and E. P. McKeefe. 1,768,819; July 1.
 Bleaching. L. Bradley and E. P. McKeefe. 1,768,821-22; July 1.
 Bleaching agent and making the same. W. B. Stoddard and V. R. Kokatnur. 1,787,402; Dec. 30.
 Bleaching, Apparatus for. T. McConnell. 1,766,716; June 24.
 Bleaching composition, Hypochlorite. L. T. Howells. 1,779,274; Oct. 21.
 Bleaching fats and oils. H. F. Taylor, E. F. Scherubel, and G. W. Phelps. 1,744,843; Jan. 28.
 Bleaching method and composition. W. B. Stoddard. 1,754,914; Apr. 15.
 Bleaching process. G. Adolph and A. Pietzsch. 1,750,657; Mar. 18.
 Blind. R. Wood. 1,769,561; July 1.
 Blind and fitting therefor, Roller. W. J. Hadden. 1,746,936; Feb. 11.
 Blind for bridles. I. W. Brown. 1,759,296; May 20.
 Blind for motor vehicles, Venetian. L. G. Shook. 1,781,304; Nov. 11.
 Blind, Venetian. C. Bauer. 1,782,954; Nov. 25.
 Blinds, Tilting device for Venetian. F. Leeper. 1,772,493; Aug. 12.

Block: See—

Air-cooled furnace block. Loading block.
 Baling block. Paving block.
 Bracket-fixture block. Plinth block.
 Brake block. Pulley block.
 Building block. Return block.
 Cast-stone trim block. Rod or wire drawing block.
 Composition block. Setting block.
 Connection block. Skewback block.
 Crown block. Snatch block.
 Curb block. Towing block.
 Follower block. Trip block.
 Furnace block. Wheel block.
 Hat block. Wood block.
 Insulating block.

Block and laying same, Building. E. M. Lane. 1,744,171; Jan. 21.
 Block construction. M. D. Tucker. 1,776,303; Sept. 23.
 Block-ejecting machine. J. C. Pelton. 1,754,484; Apr. 15.
 Block-grooving machine. T. G. Gale and S. B. Trick. 1,779,731; Oct. 28.
 Block-molding machine. J. W. Henry. 1,774,648; Sept. 2.
 Block or tile, Building. A. H. Stamm. 1,771,275; July 22.
 Block printing machine. H. A. Webster. 1,756,268; Apr. 29.
 Block printing machine and method of printing. W. P. Brinton. 1,756,177; Apr. 29.
 Blocks and connecting means therefor, Toy. R. Aukenthaler. 1,765,644; June 24.
 Blocks, Apparatus for making. F. D. Pfeffer and F. Trotter. 1,768,141; June 24.
 Blocks, Making refractory. G. W. Parker. 1,760,861; May 27.
 Blocks, Method of and apparatus for scoring. F. Trotter and A. Swanson. 1,787,219; Dec. 30.
 Blocks of imbricated sheets. R. Braunstein. 1,777,252; Sept. 30.
 Blood of a mass capable of being colored, Manufacture from. F. Homberg. 1,786,488; Dec. 30.
 Blood transfusion, Apparatus for. P. Schmidt and F. V. Malloy. 1,786,090; Dec. 23.
 Bloomers. H. Surkin. 1,744,710; Jan. 21.
 Blotter. C. J. Kaiser. 1,764,796; June 17.
 Blotter. H. Pick. 1,750,022; Mar. 11.
 Blotter and box, Combined desk. E. A. Schuelke. 1,785,229; Dec. 16.
 Blotter, Rotary. C. H. Pajean. 1,782,792; Nov. 25.
 Blotting appliance. T. G. H. Thomas. 1,774,214; Aug. 26.
 Blotting device. M. T. Dick. 1,769,420; July 1.
 Blow-down system for boilers, Continuous-surface. D. R. Yarnall. 1,756,620; Apr. 29.
 Blower. E. L. Anderson. 1,787,062; Dec. 30.
 Blower. C. O. Granberg. 1,745,253; Jan. 28.
 Blower. F. Korb. 1,773,909; Aug. 26.
 Blower. C. T. Morse. 1,750,681; Mar. 18.
 Blower. F. G. Romig. 1,752,810; Apr. 1.
 Blower. H. F. Schmidt. 1,762,359; June 10.
 Blower. H. F. Schmidt. 1,778,041; Oct. 14.
 Blower and controlling operation of the same, Rotary. R. W. Bunge and P. Das. 1,746,885; Feb. 11.
 Blower and suction device, Combined. A. A. Breuer. 1,776,778; Sept. 30.
 Blower for atomizing oil. R. C. Hopkins. 1,742,474; Jan. 7.
 Blower for powdered fuel. M. J. P. Moore. 1,753,936; Apr. 8.
 Blower or pump, Rotary. W. W. Meyer. 1,769,153; July 1.
 Blowfly trap. E. J. Schandua and H. Reichenau. 1,762,668; June 10.
 Blowing slags and the like. A. Laist. 1,774,333; Aug. 26.
 Blow-off gauge. E. B. Beeler. 1,746,923; Feb. 11.
 Blow-out preventer, Automatic. P. B. Hart. 1,780,387; Nov. 4.
 Blow-out preventer for oil wells. C. C. Hosmer. 1,777,564; Oct. 7.
 Blowpipe. J. Harris. 1,751,402; Mar. 18.
 Blowpipe. C. Vuillaume. 1,759,769; May 20.
 Blowpipe apparatus. I. Allison. 1,774,865; Sept. 2.
 Blowpipe head. F. M. Giffen. Des. 82,551; Nov. 18.
 Blowpipe tip and making same. L. Campbell, Jr. 1,751,448; Mar. 18.
 Blowpipes, Adapter for. L. Campbell, Jr. 1,751,447; Mar. 18.
 Blowtorch. H. Birnbaum. 1,780,152; Nov. 4.
 Blue-flame burner, Vaporizing. C. A. French. 1,744,111; Jan. 21.

Board: See—
 Composition board. Panel board.
 Cutting board. Pin board.
 Display board. Plaster board.
 Drafting board. Plaster-receiving board.
 Drain board. Pressing board.
 Electrical panel board. Pulp board.
 Fiber board. Puzzle board.
 Finger board. Running board.
 Floor board. Score board.
 Game board. Slide, seesaw, and jumping board.
 Gypsum wall board. Illuminated board.
 Ironing board. Surf board.
 Knitting board. Violin practice finger board.
 Laminated board. Wall board.
 Needle board. Writing board.

Board and flow detector, Adjustable making. A. T. Yoder. 1,771,600; July 29.
 Board and knife holder, Bread. J. R. Hackett. 1,771,294; July 22.
 Board cap, Mortar-. C. B. Aldrich. 1,775,185; Sept. 9.
 Board for gymnasium use, Tilted balance. C. L. Lowman. 1,747,721; Feb. 18.
 Board machine. C. C. Heritage. 1,746,255; Feb. 11.
 Board-measuring instrument. W. R. Warford. 1,769,246; July 1.
 Board or paper, Liner. A. L. Clapp. 1,765,860; June 24.
 Boards, Device for the manufacture of doweled wooden. H. Scheidemandel. 1,780,721; Nov. 4.
 Boat. C. E. Bridwell. 1,748,408; Feb. 25.
 Boat. E. Burmester and H. Hein. 1,750,773; Mar. 18.
 Boat. E. Burmester and H. Hein. 1,755,724; Apr. 22.
 Boat. A. Curioni. 1,780,998; Nov. 11.
 Boat. J. H. Freeze. 1,780,467; Nov. 4.
 Boat. C. A. Herrmann. 1,760,696; May 27.
 Boat. C. Magdits. 1,776,319; Sept. 23.
 Boat. D. F. Murphy. 1,762,451; June 10.
 Boat. F. M. Norman. 1,784,071; Dec. 9.
 Boat. A. C. Schipper. 1,766,360; June 24.
 Boat adapted to be taken to pieces, House. A. Holzmann. 1,779,880; Oct. 28.
 Boat, Aeroplane. E. Temens. 1,756,442; Apr. 29.
 Boat, Aero speed. P. K. Dudley. 1,760,484; May 27.
 Boat, Aluminum. E. Ohnstrand. 1,761,451; June 3.
 Boat attachment, Inboard-motor-. T. F. Collins. 1,745,354; Feb. 4.
 Boat, canoe, and other craft, aeroplane body, and the like and manufacturing same. A. N. Andersen. 1,746,755; Feb. 11.
 Boat, Collapsible. H. Haugen. 1,749,703; Mar. 4.
 Boat, Collapsible. F. Schiemann. 1,774,336; Aug. 26.
 Boat, Combination water and ice. J. Drost. 1,761,440; June 3.
 Boat construction. F. G. Gramm. 1,769,831; July 1.
 Boat construction. A. W. W. van Hoorn. 1,760,673; May 27.
 Boat davit. J. W. Bournier. 1,771,372; July 22.
 Boat drive. C. H. Tegmeyer. 1,761,373; June 3.
 Boat, Flying. G. Loening. Des. 82,331; Oct. 21.
 Boat, Flying. E. Zindel. 1,752,874; Apr. 1.
 Boat for submarine inspection. F. I. Stiles. 1,786,091; Dec. 23.
 Boat hull. P. Wetch. 1,752,406; Apr. 1.
 Boat-hull construction. H. B. Greening. 1,782,893; Nov. 25.
 Boat, Life-saving. F. Antich. 1,748,270; Feb. 25.
 Boat, Life-saving. S. Piesik. 1,777,180; Sept. 30.
 Boat, Man-power horse. C. D. O'Connor. 1,785,971; Dec. 23.
 Boat, Monoplane flying. A. Rohrbach. 1,771,512; July 29.
 Boat, Motor. E. Cumbo. 1,754,983; Apr. 15.
 Boat, Motor. H. Ditchburn. 1,765,789; June 24.
 Boat-propeller unit. F. Herbst. 1,774,886; Sept. 2.
 Boat-salvaging device. L. F. Long. 1,769,353; July 1.
 Boat, Shallow-water. J. T. Edmonds. 1,749,276; Mar. 4.
 Boat, Single-step. J. W. Smith. 1,746,912; Feb. 11.
 Boat, Speed. C. D. Alderman. 1,743,907; Jan. 14.
 Boat, Speed. F. B. Bremerman. 1,750,743; Mar. 18.
 Boat, Speed. H. L. Brownback. 1,749,017; Mar. 4.
 Boat, Speed. J. Plum. 1,779,075; Oct. 21.
 Boat, Submarine. G. J. K. Behrmann. 1,783,691; Dec. 2.
 Boat, Submarine. L. Duman. 1,773,223; Aug. 19.
 Boat-unloading mechanism. E. M. Graves. 1,754,824; Apr. 15.
 Boats, Attachment for motor. G. Gunderson, J. Erickson, and R. T. Backus. 1,763,464; June 10.
 Boats, Method and apparatus for the manufacture of. F. Thompson. 1,767,101; June 24.
 Boats, Propelling mechanism for. E. H. Fahrney. 1,783,331; Dec. 2.
 Boats, Safety apparatus for. F. A. Sieverling. 1,752,354; Apr. 1.
 Boats, Structure of hulls for mine-laying submarine. V. Cavallini. 1,746,460; Feb. 11.
 Bobber attachment for holding fishlines. J. C. Neville. 1,778,119; Oct. 14.
 Bobbin. F. Mossberg. 1,746,047; Feb. 4.
 Bobbin, Braider. A. Hlavac. 1,753,341; Apr. 8.
 Bobbin braiding carrier, Multiple-. M. Krissiep. 1,742,359; Jan. 7.
 Bobbin clutch attachment for whirls. W. St. Pierre. 1,779,019; Oct. 21.
 Bobbin for electric weft detectors. W. H. Wakefield. 1,766,861; June 24.
 Bobbin for electrical feelers. E. R. Holmes. 1,786,654; Dec. 30.
 Bobbin for weft-replenishing looms. R. G. Turner. 1,786,682; Dec. 30.
 Bobbin, Metal. L. A. Cadoret. 1,772,204; Aug. 5.
 Bobbin or spool cap. J. R. Mitchell. 1,783,339; Dec. 2.
 Bobbin-pin or quill board. W. E. Bennett. 1,769,913; July 8.
 Bobbin remover. H. M. Stephenson. 1,769,865; July 1.
 Bobbin, Sewing-machine. R. K. Clark. 1,780,742; Nov. 4.
 Bobbin stripper, Pneumatic. J. E. Menard. 1,743,075; Jan. 7.
 Bobbin support for weft magazines. C. J. Lindegren. 1,777,372; Oct. 7.

- Bobbin-winding machine. B. T. Leveque. 1,780,304; Nov. 4.
- Bodice, Bust. M. Cadolle. 1,786,895; Dec. 30.
- Bodies, Assembling vehicle. C. T. Weymann. 1,767,825; June 24.
- Bodies consisting of a plurality of thin alternately conducting and insulating layers, Producing. M. Polanyi and S. von Bogdandy. 1,784,611; Dec. 9.
- Bodies, Construction of closed vehicle. T. P. Lohrman. 1,753,172; Apr. 1.
- Bodies from acid celluloses, Preparation of. E. Hubert, L. Lock and O. Leuchs. 1,766,822; June 24.
- Bodies, Making. L. Campbell, jr. 1,748,565; Feb. 25.
- Bodies of great density, Manufacture of. M. Pirani. 1,747,133; Feb. 11.
- Bodies of highly-porous character, Treating. E. Berl. 1,744,735; Jan. 28.
- Bodies with tungsten, Coating. J. A. M. Van Liempt. 1,771,974; July 29.
- Body and hood, Combined automobile. R. G. F. Loewy. Des. 80,844; Apr. 1.
- Body, Automobile. O. J. Groehn. 1,758,396; May 13.
- Body, Automobile. J. V. Martin. Des. 82,044; Sept. 16.
- Body blanks to body makers, Mechanism for notching and feeding. J. E. Bratt and C. H. Boyd. 1,759,683; May 20.
- Body bolster. M. H. Martin. 1,754,634; Apr. 15.
- Body-bolster and draft-sill casting, Combined. W. S. Trowbridge. 1,765,465; June 24.
- Body constructed of sheet-iron sections. W. Reichel. 1,779,950; Oct. 28.
- Body construction, Automobile closed-. H. J. Woodall and M. S. Randall. 1,764,668; June 17.
- Body construction, Clear-vision automobile. H. R. Zeamans. 1,784,265; Dec. 9.
- Body construction, Grand-piano-. C. Loitsch. 1,752,676; Apr. 1.
- Body, Convertible. H. Smith. 1,752,511; Apr. 1.
- Body, Convertible automobile. E. P. du Pont. 1,776,894; Sept. 30.
- Body, Convertible vehicle. E. W. Magill. 1,764,328; June 17.
- Body-drying implement. F. H. Lach. 1,750,845; Mar. 18.
- Body element for an electric-light fixture. C. W. Logan. Des. 82,168-9; Sept. 30.
- Body for hand trucks, Removable. F. L. Jacobs. 1,744,311; Jan. 21.
- Body for motor vehicles. A. G. Hawkes. 1,766,994; June 24.
- Body for seaplanes, Floating. A. Rohrbach. 1,767,815; June 24.
- Body-handling device. F. L. Foulks. 1,765,792; June 24.
- Body hollows, Arrangement for rinsing of. E. A. Weitz. 1,746,450; Feb. 11.
- Body, Motor-vehicle. K. C. Haven. Des. 81,332; June 10.
- Body panels, Flanging. O. J. Groehn. 1,787,151; Dec. 30.
- Body plate for lighting fixture or article of similar nature. F. W. Roettges. Des. 81,462; June 24.
- Body protector. M. Voyné. 1,774,739; Sept. 2.
- Body structure, Vehicle. B. L. Huesman. 1,762,629; June 10.
- Body, Tipping. J. Ochsner. 1,778,866; Oct. 21.
- Body-treatment machine. J. T. Janette. 1,753,518; Apr. 8.
- Body, Truck. C. J. Hug. 1,765,232; June 17.
- Body with a single punctiform or approximately punctiform support or a plurality of such supports in one row, Relatively stationary. A. Kucharzik and A. Schmidt. 1,748,514; Feb. 25.
- Bodkin, Belt-turning. L. R. Hall. 1,747,436; Feb. 18.
- Boiler. *See*—
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| Bent-tube boiler. | Low-pressure boiler. |
| Egg boiler. | Marine boiler. |
| Electric boiler. | Mercury boiler. |
| Electric steam boiler. | Multiple-unit boiler. |
| Fluid-fuel-fired boiler. | Reservoir double boiler. |
| Gas-fired boiler. | Steam boiler. |
| Ham boiler. | Superheater boiler. |
| Heat boiler. | Tube boiler. |
| Heating boiler. | Water boiler. |
| High-pressure boiler. | Waste-heat boiler. |
| Hot-water boiler. | Water-tube boiler. |
- Locomotive boiler.
- Boiler. R. J. Adams. 1,785,758; Dec. 23.
- Boiler. R. W. Birchfield. 1,767,235; June 24.
- Boiler. G. I. Bonus. 1,753,687; Apr. 8.
- Boiler. G. Burkhardt. 1,743,112; Jan. 14.
- Boiler. J. F. Dickson and R. M. Turner. 1,748,945; Mar. 4.
- Boiler. M. N. Freeman. 1,760,487; May 27.
- Boiler. L. G. Haller. 1,762,779; June 10.
- Boiler. S. B. Harding. 1,754,102; Apr. 8.
- Boiler. J. E. Jones. 1,764,960; June 17.
- Boiler. P. G. Kaiser. 1,778,939-40; Oct. 28.
- Boiler. J. Kindervater. 1,775,464; Sept. 9.
- Boiler. J. H. Lawrence and J. A. Freiday. 1,776,836; Sept. 30.
- Boiler. A. A. Lindley. 1,784,149; Dec. 9.
- Boiler. J. C. Martin. 1,776,696; Sept. 23.
- Boiler. B. J. Morrison. 1,752,389; Apr. 1.
- Boiler. T. E. Murray. 1,774,810; Sept. 2.
- Boiler. L. D. Summers. 1,771,592; July 29.
- Boiler. H. Taylor. 1,751,534; Mar. 25.
- Boiler. J. Van Brunt. 1,780,285; Nov. 4.
- Boiler. E. V. Varcoe. 1,785,058; Dec. 16.
- Boiler. H. L. Wratten. 1,785,756; Dec. 23.
- Boiler and economizer and operating the same, Steam. D. S. Jacobus. 1,753,266; Apr. 8.
- Boiler and fire box, Locomotive. L. A. Refhuss. 1,764,981; June 17.
- Boiler and furnace. C. W. Stancliffe. 1,782,635; Nov. 25.
- Boiler and operating the same, Superheater steam. D. S. Jacobus. 1,779,706; Oct. 28.
- Boiler and setting therefor. D. S. Jacobus. 1,751,551; Mar. 25.
- Boiler and the like. T. E. Murray. 1,746,711; Feb. 11.
- Boiler and the like. T. E. Murray. 1,755,888; Apr. 22.
- Boiler and the like, Water-tube. G. Burkhardt. 1,743,111; Jan. 14.
- Boiler and water heater. L. D. Summers. 1,781,531-2; Nov. 11.
- Boiler attachment. I. D. Eby. 1,760,588-9; May 27.
- Boiler baffle. S. C. Smith. 1,772,919; Aug. 12.
- Boiler cleaner. F. Bowers. 1,776,213; Sept. 16.
- Boiler cleaner. T. D. Evans. 1,785,024; Dec. 16.
- Boiler cleaner. C. L. Howse. 1,773,458; Aug. 19.
- Boiler cleaner. N. L. Snow. 1,745,327; Jan. 28.
- Boiler cleaner. N. L. Snow. 1,756,394; Apr. 29.
- Boiler cleaner. N. L. Snow. 1,762,312; June 10.
- Boiler cleaner. N. L. Snow. 1,765,311; June 17.
- Boiler cleaner. N. L. Snow. 1,766,958-9; June 24.
- Boiler cleaner. N. L. Snow. 1,767,408; June 24.
- Boiler cleaner. N. L. Snow. 1,775,503; Sept. 9.
- Boiler cleaner. N. L. Snow. 1,785,821; Dec. 23.
- Boiler cleaner. N. L. Snow and S. F. Cox. 1,776,399; Sept. 23.
- Boiler cleaner. N. L. Snow and A. W. Honywill, jr. 1,766,231; June 24.
- Boiler cleaner. N. L. Snow and C. L. Howse. 1,759,870; May 27.
- Boiler cleaner. N. L. Snow and W. P. Thomas. 1,762,313; June 10.
- Boiler cleaner. W. P. Thomas. 1,750,548; Mar. 11.
- Boiler cleaner. W. P. Thomas. 1,773,125; Aug. 19.
- Boiler compound. J. W. Markley and G. F. Elliott. 1,747,638; Feb. 18.
- Boiler connection. V. Wilhelmi. 1,756,045-6; Apr. 29.
- Boiler construction. J. J. Cain. 1,746,240; Feb. 11.
- Boiler construction. R. Doherty. 1,757,358; May 6.
- Boiler construction. P. Marquand. 1,762,180; June 10.
- Boiler construction. M. V. Milton. 1,745,308; Jan. 28.
- Boiler-control and water-heating device, Automatic. M. Seidel. 1,785,098; Dec. 16.
- Boiler-control system, Automatic. B. Jones. 1,769,139; July 1.
- Boiler feed, Intermittent steam-. A. M. Hubbard. 1,774,598; Sept. 2.
- Boiler-feed-water apparatus. R. L. Dennison. 1,755,317; Apr. 22.
- Boiler feeder. S. C. Hulett. 1,776,508; Sept. 23.
- Boiler flue and pipe cutter. J. I. Cunningham. 1,765,208; June 17.
- Boiler for evaporating or heating liquids. A. L. Hitchcock-Spencer. 1,743,918; Jan. 14.
- Boiler for high pressure. J. Ruths, N. H. Frenne, and M. Bäckström. 1,745,383; Feb. 4.
- Boiler furnace. C. Chappuis. 1,769,286; July 1.
- Boiler furnace. H. Coerper. 1,781,269; Nov. 11.
- Boiler furnace. J. B. Crane. 1,760,118; May 27.
- Boiler furnace. J. W. Dyar. 1,749,908; Mar. 11.
- Boiler furnace. G. P. Jackson. 1,762,335; June 10.
- Boiler furnace. E. Lundgren. 1,769,744-5; July 1.
- Boiler furnace. A. C. Mott, jr. 1,754,176; Apr. 8.
- Boiler furnace. J. Van Brunt. 1,779,719; Oct. 28.
- Boiler furnace, Powdered-fuel-burning. S. A. Jacques. 1,760,140; May 27.
- Boiler gauge. S. F. Weston. 1,756,577; Apr. 29.
- Boiler generating steam according to the indirect method. A. H. Hartmann. 1,768,057; June 24.
- Boiler heads, Welding copper. A. H. Trageser and L. Hassinger. 1,782,373; Nov. 18.
- Boiler installation, High-pressure-. J. B. Crane and L. J. Marshall. 1,786,828; Dec. 30.
- Boiler installation, Multipressure-. O. H. Hartmann. 1,783,842; Dec. 2.
- Boiler or cooling unit for refrigerating apparatus. E. L. Barnes. 1,746,922; Feb. 11.
- Boiler outlet, Copper-. A. H. Trageser and L. Hassinger. 1,758,869; May 13.
- Boiler-output control. C. G. Hawley. 1,748,286; Feb. 25.
- Boiler output control, Locomotive. C. G. Hawley. 1,748,287; Feb. 25.
- Boiler plant with generation of steam by indirect heating, High-pressure steam-. O. H. Hartmann. 1,743,451; Jan. 14.
- Boiler plants, Heating. E. Völcker. 1,772,972; Aug. 12.
- Boiler return and vacuum trap. S. C. Knefel. 1,783,381; Dec. 2.
- Boiler scale and other like deposits, Preparation for removing or preventing. H. Köpplinger. 1,754,171; Apr. 8.
- Boiler-scale-removing device. B. Pratt. 1,761,371; June 3.
- Boiler stand. J. K. Luton. Des. 82,572; Nov. 18.
- Boiler stand. G. S. Melvin. 1,777,759; Oct. 7.
- Boiler tap guide. G. Fenk. 1,781,634; Nov. 11.
- Boiler tubes, Apparatus for cleaning. A. M. Wilson. 1,773,801; Aug. 26.

- Boiler wall. T. E. Murray. 1,774,150; Aug. 26.
 Boiler water feeder, Automatic. H. E. Page. 1,758,294; May 13.
 Boiler with divided header, High-pressure water-tube. A. Doeblir. 1,772,307; Aug. 5.
 Boiler with steam superheater. Water-tube. O. H. Hartmann. 1,768,056; June 24.
 Boilers, Duplex feeder for low-pressure heating. L. P. Flood. 1,785,547; Dec. 16.
 Boilers, Gauge cock for steam. B. Cook. 1,761,467; June 3.
 Boilers, Hot-water feeding for. S. O. A. Fiedler. 1,759,107; May 20.
 Boilers, Means for supporting water-tube. L. Steinhüller. 1,757,343; May 6.
 Boilers, Safety blow-off for. L. D. Rowland. 1,783,368; Dec. 2.
 Boilers, Safety device for. P. C. Wood. 1,762,940; June 10.
 Boilers, Superheater for. R. H. M. Erdmann. 1,785,441; Dec. 16.
 Boll-cotton beating, cleaning, vacuum, and dropping machine, Combined. F. E. Noisworthy. 1,775,599; Sept. 9.
 Boll weevil and vegetation extinguisher. W. R. Greenhaw. 1,754,097; Apr. 8.
 Boll-weevil catcher. H. K. Dowdy. 1,755,714; Apr. 22.
 Bollard. E. J. Bean. 1,770,967; July 22.
 Bolster. G. T. Johnson and H. W. Stertzbach. 1,752,741; Apr. 1.
 Bolster. T. H. Symington. 1,773,244; Aug. 19.
 Bolster. T. H. Symington and P. R. Drenning. 1,775,951; Sept. 16.
 Bolster with lateral-motion mountings. T. H. Symington and P. R. Drenning. 1,772,328; Aug. 5.
 Bolt: See—
 Adjusting bolt. Locking bolt.
 Expansion bolt. Rim bolt.
 Gate bolt. Track bolt.
 Key bolt.
 Bolt. J. A. Deasy. 1,776,580; Sept. 23.
 Bolt anchor and support, Combined. H. W. Pleister. 1,783,976; Dec. 9.
 Bolt and bushing therefor. J. G. Campau. 1,785,709; Dec. 16.
 Bolt and nut lock. W. R. Hewitt. 1,780,675; Nov. 4.
 Bolt and nut lock. N. R. Lillig. 1,776,473; Sept. 23.
 Bolt connection, Automatically-adjustable double-end shackle. F. F. James. 1,748,048; Feb. 18.
 Bolt cutter. H. P. Blumenauer and F. D. and W. C. Brisse. 1,768,108; June 24.
 Bolt eye, Separable or detachable. A. L. Black. 1,761,978; June 3.
 Bolt lock. J. F. Dranter and M. Panek. 1,767,438; June 24.
 Bolt lock. R. T. Hosking. 1,762,394; June 10.
 Bolt lock. R. T. Hosking. 1,767,287; June 24.
 Bolt lock. C. V. Newbill. 1,759,994; May 27.
 Bolt lock, Rotary. F. J. Dowling. 1,782,776; Nov. 25.
 Bolt pointing and threading machine, Combined automatic. F. O. Andrews and L. Steinfurth. 1,762,649; June 10.
 Bomb sight. M. F. Bates. 1,783,769; Dec. 2.
 Bolt-trimming machine. W. L. Clouse. 1,763,759; June 17.
 Bolt-trimming machines, Feed for. W. L. Clouse. 1,759,890; May 27.
 Bolts, Anchoring. R. A. Mirzan. 1,755,264; Apr. 22.
 Bolts, Keeper for latch. L. Ottinger. 1,778,299; Oct. 14.
 Bolts, Making. C. F. Newpher. 1,762,410; June 10.
 Bolts, Method of and apparatus for making threaded. R. Plumb. 1,749,086; Mar. 4.
 Bomb. G. Scaglia. 1,744,713; Jan. 21.
 Bomb, Amusement. D. E. Mulcahy. 1,773,197; Aug. 19.
 Bomb, Incendiary. S. Wiley. 1,771,455; July 29.
 Bomb or flare, Aerial. S. Wiley. 1,774,535; Sept. 2.
 Bomb sight. A. T. Ford, A. S. Halsey, and S. B. McMurray. 1,774,704; Sept. 2.
 Bomb sight. G. Gardner and C. L. Paulus. 1,745,895; Feb. 4.
 Bond tester, Indicating. C. E. Vawter. 1,779,347; Oct. 21.
 Bonded materials, Recovery of. E. L. Hauman. 1,750,174; Mar. 11.
 Bone black of great decolorizing power. E. Urbain. 1,755,156; Apr. 15.
 Bone-char-drying apparatus. J. Hamill and J. F. Tad-diken. 1,784,626; Dec. 9.
 Bone deknuckling machine. N. B. Hafeigh. 1,771,295; July 22.
 Bone-sawing machine. N. B. Hafeigh. 1,780,128; Oct. 28.
 Bonnet, Collapsible. F. Gust. 1,752,172; Mar. 25.
 Bonnet, Infant's. L. Rudnick. 1,773,644; Aug. 19.
 Book. H. N. Feley. 1,777,637-40; Oct. 7.
 Book. B. H. Johnson. 1,765,979; June 24.
 Book. A. P. Whitlock. 1,776,713; Sept. 23.
 Book, Account. J. A. Farnum. 1,763,506; June 10.
 Book, Account. G. Kalada. 1,761,078; June 3.
 Book and making same. A. L. Grammer. 1,778,490; Oct. 14.
 Book and storage stack. C. S. Brown. 1,755,589; Apr. 22.
 Book assembly mechanism, Automatic. C. L. Moyer. 1,783,625; Dec. 2.
 Book-backing and press-machine combination. J. W. Gross. 1,780,296; Nov. 4.
 Bookbinder's press. J. Murray. 1,769,452; July 1.
 Bookbinding machine. A. Cahen. 1,770,731; July 15.
 Bookbinding machine. P. A. Frazier. 1,747,581; Feb. 18.
 Bookbinding machine. L. W. Meyers. 1,747,524; Feb. 18.
 Bookbinding machine. A. B. Roe. 1,744,923; Jan. 28.
 Bookbinding or covering machine. A. Bredenberg. 1,755,237; Apr. 22.
 Bookcase. S. E. Crowell. 1,783,703; Dec. 2.
 Bookcase. J. S. Felshin. Des. 81,327; June 10.
 Bookcase, table, and seat, Combined. P. De Gennar. 1,775,307; Sept. 9.
 Bookcases to blocking presses, Device for automatically feeding. J. Murray. 1,748,848; Feb. 25.
 Book, Check. H. Conover. 1,749,129; Mar. 4.
 Book covers, Folding. P. R. Glass. 1,776,427; Sept. 23.
 Book end. J. A. Anderson. Des. 81,821-2; Aug. 19.
 Book end. H. J. Duclos. Des. 81,183; May 20.
 Book exchange, Automatic. A. R. Womrath. 1,772,408; Aug. 5.
 Book hanger. A. F. Hunt. 1,779,095; Oct. 21.
 Bookholder. H. T. Adams. 1,764,818; June 17.
 Bookholder. C. J. Hilkey. 1,786,567; Dec. 30.
 Bookholder. L. A. Lupien. 1,764,325; June 17.
 Book-identification device. W. J. Wright. 1,760,574; May 27.
 Book, Loose-leaf. L. E. Hutchings. 1,786,617; Dec. 30.
 Book, Loose-leaf. J. Schade. 1,761,589; June 3.
 Book, Loose-leaf. J. Schade. 1,777,328; Oct. 7.
 Book, Loose-leaf. C. D. Trussell. 1,750,946; Mar. 18.
 Book, Loose-leaf record. P. O. Unger. 1,763,075; June 10.
 Bookmaking machine. J. Griesinger. 1,776,356; Sept. 23.
 Bookmaking method. E. D. Rader. 1,777,448; Oct. 7.
 Book, Manifold. E. K. Bottle. 1,747,658; Feb. 18.
 Book, Manifold. E. F. Palmer. 1,750,189; Mar. 11.
 Book-match machinery. W. J. Lilly. 1,766,180; June 24.
 Book of sheets, Temporary. A. Von Auw. 1,765,194; June 17.
 Book protector. E. T. Webb. 1,754,811; Apr. 15.
 Book repairing. J. W. Ward. 1,764,234; June 17.
 Book, Sales. E. K. Bottle. 1,747,659; Feb. 18.
 Book, Sample. C. E. Wolf and A. Agli. 1,759,079; May 20.
 Book-signature feed. E. W. Clark and C. Schramm. 1,774,170; Aug. 26.
 Book structure. R. Trane. 1,772,595; Aug. 12.
 Book-trimming machine. P. A. Frazier. 1,757,623; May 6.
 Book, Visible-index. J. Schade. 1,742,827; Jan. 7.
 Book with page-ruling attachment therefor. P. H. Kaufman. 1,787,005; Dec. 30.
 Books, Making sales. E. G. Nixon. 1,773,151; Aug. 19.
 Boom for derricks, Extension. A. C. Crandall. 1,751,794; Mar. 25.
 Boom for excavators, Auxiliary. G. W. Acuff, jr. 1,756,166; Apr. 29.
 Boom mounting and bracing. H. L. Mitchell and R. Ljungkull. 1,747,946; Feb. 18.
 Booms, Linkage connection for digging. H. H. Barber. 1,744,942; Jan. 28.
 Boomerang-throwing device. D. V. Tantlinger. 1,759,471; May 20.
 Booster. H. C. Miller. 1,775,071; Sept. 2.
 Booster brake. L. Blackmore. 1,758,139; May 13.
 Booster brake, Electric. C. R. Short. 1,761,939; June 3.
 Boot. P. Scroggins. 1,743,689; Jan. 14.
 Boot and making same, Form-fitting. G. L. Van Dinter and C. Ferretle. 1,771,277; July 22.
 Boot and shoe construction. C. Walton. 1,786,374; Dec. 23.
 Boot and shoe last mold. C. H. Zarnke. 1,746,297; Feb. 11.
 Boot and shoe parts, Coating. F. N. La Chapelle. 1,778,851; Oct. 21.
 Boot construction, Form-fitting. G. L. Van Dinter. 1,771,003; July 22.
 Boot, Electrically-heated. O. Heinemann. 1,761,829; June 3.
 Boot for hot-air stacks. J. J. Holub. 1,771,176; July 22.
 Boot, Form-fitting. G. L. Van Dinter. 1,771,004; July 22.
 Boot hook. F. E. Chapper and W. R. McGee. 1,781,748; Nov. 18.
 Bootjack. H. T. Folsom. 1,748,643; Feb. 25.
 Bootjack. C. Kosch. 1,769,516; July 1.
 Boot, Lady's. F. J. Martin. 1,759,583; May 20.
 Boot or shoe. E. W. Durkee. 1,757,993; May 13.
 Boot or shoe. W. A. Johnson. 1,773,681; Aug. 19.
 Boot or shoe. A. McQueen. 1,749,351; Mar. 4.
 Boot or shoe. P. C. Wolfer. 1,783,210; Dec. 2.
 Boot or shoe and making same. C. H. Daniels. 1,772,340; Aug. 5.
 Boot or shoe and shank stiffener therefor. H. Bee. 1,752,775; Apr. 1.
 Boot, Russian. G. Faulstich. 1,750,397; Mar. 11.
 Boot-stripping machine. W. S. Ashton. 1,745,827; Feb. 4.
 Boot-tree. J. H. Flink. 1,755,248; Apr. 22.
 Boots and shoes, Appliance for. J. Butzen. 1,746,069; Feb. 4.
 Boots and shoes, Counter for. F. W. Stuart. 1,747,331; Feb. 18.
 Boots and shoes, Machine for use in the manufacture of. A. B. Fowler. 1,743,203; Jan. 14.
 Boots and shoes, Making. B. W. Freeman. 1,745,668; Feb. 4.
 Boots and shoes, Manufacturing. W. C. Baxter. 1,747,282; Feb. 18.

- Boots and shoes, Method of and apparatus for finishing the bottoms of. C. P. Brooks, jr., and S. Kovner. 1,783,401; Dec. 2.
- Boots and shoes, Stiffening portions of. J. Fausse. 1,746,249; Feb. 11.
- Boots and shoes, Supplementary outsole. E. Gallagher. 1,744,003; Jan. 14.
- Boots or shoes, Device for use in the manufacture of. W. A. Johnson. 1,786,619; Dec. 30.
- Boots or shoes, Toe box for. H. F. Elliott. 1,776,421; Sept. 23.
- Boots, shoes, and the like, Antisplash device for. J. E. Blincow. 1,779,354; Oct. 21.
- Booth. V. V. Marcus. Des. 80,630; Mar. 4.
- Booth. R. B. Rawlins. Des. 81,403; June 17.
- Booth. E. F. Schreiber. Des. 81,862; Aug. 19.
- Booth for spray painting. J. G. Fahlstrom. 1,750,774; Mar. 18.
- Booth, Merchandise. E. S. Prince. Des. 82,904; Dec. 23.
- Booth, Merchandising. F. L. and J. K. Gailey. Des. 81,131; May 13.
- Booth, Motion-picture-projection. J. N. Canavan. 1,743,879; Jan. 14.
- Booth partition or similar article. H. Charnin. Des. 82,137; Sept. 30.
- Booth, Portable gasoline-filling-station. C. D. Vary. Des. 82,067; Sept. 16.
- Booth, Sandwich. A. La Gier. Des. 82,095; Sept. 23.
- Booth, Selling. E. L. Weaver. Des. 82,865; Dec. 16.
- Booth, Telephone. O. Gullicksen. 1,770,612; July 15.
- Booth, Telephone. S. Teplow. 1,780,251; Nov. 4.
- Borax from brine, Recovering. H. D. Hellmers. 1,756,122; Apr. 29.
- Border strip for service ware. H. A. Pickard. Des. 81,071; Apr. 29.
- Bore-forming guide for rotary drill stems, True. F. C. Lawrence and J. P. Winters. 1,773,231; Aug. 19.
- Bore-hole apparatus. M. A. Capeluschnicoff. 1,777,961; Oct. 7.
- Borehole directional apparatus and method of orientation. A. Anderson. 1,770,224; July 8.
- Boreholes by means of compressed air, Apparatus for charging and cleaning. C. Herdemerten. 1,746,395; Feb. 11.
- Bore-opening apparatus. L. E. Croft. 1,760,584; May 27.
- Boring and tapping machine. W. C. Fownes, jr., C. R. Barton, and W. G. Benninghoff. 1,764,717; June 17.
- Boring apparatus, Deep-. E. Lachamp and E. Perret. 1,770,488; July 15.
- Boring bar. F. L. Snyder. 1,761,804; June 3.
- Boring bars, Feeding mechanism for. G. L. Dejean. 1,769,773; July 1.
- Boring bit, Well-. F. L. Bronson. 1,764,432; June 17.
- Boring drill, Earth-. J. T. Phipps. 1,774,522; Sept. 2.
- Boring machine. J. E. Auten. 1,744,095; Jan. 21.
- Boring machine. F. J. B. Berry. 1,765,296; June 17.
- Boring machine. M. C. Gray. 1,761,663; June 3.
- Boring machine. G. E. Hallenbeck. 1,763,964; June 17.
- Boring machine. E. J. McKnight. 1,748,556; Feb. 25.
- Boring machine. J. R. Skoverski. 1,748,249; Feb. 25.
- Boring machine. S. Wagner. Re17,822; Oct. 7.
- Boring machine, Automatic. J. W. Koehl, C. Palkowski, and S. Wagner. 1,755,401; Apr. 22.
- Boring machine, Earth-. J. K. Hencken. 1,753,339; Apr. 8.
- Boring machine, Line-. M. C. Cox and R. B. Ryan. 1,752,066; Mar. 25.
- Boring machine, Portable. J. J. Brosnan. 1,760,189; May 27.
- Boring out core sand from the bells of cast-iron pipes, Machine for. D. Giles. 1,746,346; Feb. 11.
- Boring rotary, Earth-. E. E. Greve. 1,785,254; Dec. 16.
- Borneol and limonene, Producing. Y. Tanaka and T. Kuwata. 1,784,165; Dec. 9.
- Borneol and the like, Preparing. H. P. Bassett and R. C. Morrison. 1,766,369; June 24.
- Boron, Precipitating. A. E. Van Arkel. 1,774,410; Aug. 26.
- Bottle. R. Barbas. Des. 82,652-3; Dec. 2.
- Bottle. R. Barbas. Des. 82,716; Dec. 2.
- Bottle. S. J. Blackwell. 1,753,736; Apr. 8.
- Bottle. R. A. Blunt. Des. 81,618-20; July 22.
- Bottle. S. U. Boehmer. Des. 81,434; June 24.
- Bottle. O. J. Bowman. 1,744,947; Jan. 28.
- Bottle. I. Bromiley. Des. 81,520; July 8.
- Bottle. J. P. Curran. Des. 82,139; Sept. 30.
- Bottle. M. B. de Wagner. Des. 80,363; Jan. 21.
- Bottle. M. B. de Wagner. Des. 81,633; July 22.
- Bottle. R. C. Faulkner. Des. 82,737; Dec. 9.
- Bottle. E. W. Fuerst. Des. 82,083; Sept. 23.
- Bottle. E. W. Fuerst. Des. 82,146; Sept. 30.
- Bottle. E. W. Fuerst. Des. 82,217; Oct. 7.
- Bottle. N. K. Garhart. 1,760,841; May 27.
- Bottle. L. Harris. Des. 81,642; July 22.
- Bottle. M. Haupt. Des. 82,259; Oct. 14.
- Bottle. M. K. Holmes. Des. 82,326; Oct. 21.
- Bottle. G. Huret. Des. 80,729; Mar. 18.
- Bottle. C. Lange. Des. 81,800; Aug. 12.
- Bottle. G. N. Mas. Re17,803; Sept. 16.
- Bottle. G. N. Mas. Des. 80,902; Apr. 8.
- Bottle. R. D. Maurer and H. D. Joyce. Des. 81,447; June 24.
- Bottle. C. B. May. Des. 80,282; Jan. 7.
- Bottle. R. V. McKay. Des. 80,446-7; Feb. 4.
- Bottle. O. C. Noble. Des. 80,853; Apr. 1.
- Bottle. J. B. O'Hara. Des. 80,695; Mar. 11.
- Bottle. C. A. Petersen. Des. 81,202; May 20.
- Bottle. O. E. Raab. 1,759,866; May 27.
- Bottle. W. R. Root. Des. 80,808; Mar. 25.
- Bottle. A. B. Thomas. Des. 81,422; June 17.
- Bottle. R. Thornton. Des. 81,173; May 13.
- Bottle. C. A. Tosi. Des. 81,898; Aug. 26.
- Bottle. W. T. Walker. Des. 81,169; May 13.
- Bottle. C. R. Webber. Des. 81,679; July 22.
- Bottle. B. H. Wilson. Des. 81,611; July 15.
- Bottle. F. K. Winegard. Des. 82,202; Sept. 30.
- Bottle attachment. W. C. Erwin. 1,763,924; June 17.
- Bottle, Baby's sucking. L. Bierbichler. 1,771,838; July 29.
- Bottle-blowing machine, Automatic. H. Hillmann. 1,747,438; Feb. 18.
- Bottle-blowing machine. H. Hillmann. 1,787,312; Dec. 30.
- Bottle cap. F. J. MacDonald. 1,783,909; Dec. 2.
- Bottle cap. G. A. Williams. 1,743,945; Jan. 14.
- Bottle cap and cork. J. U. Duffy and J. H. Richards. 1,747,760; Feb. 18.
- Bottle cap and measuring device. E. L. Gordon. 1,780,875; Nov. 4.
- Bottle cap, container, and other reenforced product. E. L. Greenewald. 1,755,597; Apr. 22.
- Bottle cap, Cover-all. H. L. Compton. 1,769,207; July 1.
- Bottle cap, Milk-. V. J. Laramie. 1,782,731; Nov. 25.
- Bottle cap, Milk-. P. L. Stohr. 1,755,493; Apr. 22.
- Bottle cap, Milk-. M. B. Taylor. 1,761,597; June 3.
- Bottle cap, Milk-. L. Towy. 1,786,140; Dec. 23.
- Bottle-cap remover, Milk-. J. M. Mott. 1,779,556; Oct. 28.
- Bottle-cap remover, Milk-. C. B. White. 1,746,097; Feb. 4.
- Bottle-cap remover and reinserter, Milk-. C. R. Boland. 1,757,510; May 6.
- Bottle-cap retainer and making the same. C. A. MacCordy. 1,771,644; July 29.
- Bottle cap, Sanitary nursing-. R. Burtchael. 1,749,313; Mar. 4.
- Bottle capper. S. R. Blackstone. 1,752,973; Apr. 1.
- Bottle capper. H. J. Leberz. 1,766,178; June 24.
- Bottle capper. E. R. Leighton. 1,786,760; Dec. 30.
- Bottle capper. H. G. Rice. 1,754,000; Apr. 8.
- Bottle cappers, Adjustable positioning mechanism for. G. E. Strandt and A. J. Lippold. 1,779,683; Oct. 28.
- Bottle-capping machine. K. R. Bunker. 1,766,773; June 24.
- Bottle-capping machine. E. S. Burdick, L. P. Byrne, and F. W. Chausse. 1,780,639; Nov. 4.
- Bottle-capping machine. R. N. Cundall. 1,742,496; Jan. 7.
- Bottle-capping machine. R. N. Cundall. 1,773,259; Aug. 19.
- Bottle-capping machine. C. W. Desobry. 1,776,350; Sept. 23.
- Bottle-capping machine. V. M. Kloss. 1,752,008; Mar. 25.
- Bottle-capping machine. G. W. Swift, jr. 1,753,449; Apr. 8.
- Bottle-capping machine. G. W. Swift, jr. 1,781,036; Nov. 11.
- Bottle-capping machine. C. B. Woodman. 1,780,327; Nov. 4.
- Bottle-capping mechanism. C. W. Goodwin. 1,779,593; Oct. 28.
- Bottle-capping mechanism. E. G. Baum. 1,747,343; Feb. 18.
- Bottle caps, Removing. N. P. Porz. 1,787,018; Dec. 30.
- Bottle carrier. W. L. Burns. 1,758,928; May 20.
- Bottle carrier. R. B. Wolcott. 1,781,357; Nov. 11.
- Bottle-carrying device. W. T. Mooney. 1,777,102; Sept. 30.
- Bottle-cleansing machine. A. L. Washburne. 1,780,772; Nov. 4.
- Bottle closure. C. Savino. 1,783,027; Nov. 25.
- Bottle-conveying machine. N. F. Saviano. 1,777,654; Oct. 7.
- Bottle cooler. J. M. Schilling. 1,751,558; Mar. 25.
- Bottle cooler. J. M. Schilling. 1,766,547; June 24.
- Bottle-corking machine. N. F. Saviano. 1,773,868; Aug. 26.
- Bottle-crowning machine. V. J. Mohler. 1,782,904; Nov. 25.
- Bottle-crowning machines, Stop for. F. E. Fowler. 1,772,540; Aug. 12.
- Bottle, Dispensing. O. M. Wilson. 1,761,164; June 3.
- Bottle-feeding mechanism. N. F. Saviano. 1,777,655; Oct. 7.
- Bottle filler and capper unit. G. E. Strandt. 1,766,962; June 24.
- Bottle fillers, Automatic feeder for soda-water-. G. J. Meyer, P. G. Shodron, and O. Dreher. 1,761,223; June 3.
- Bottle-filling apparatus. J. Burns. 1,769,285; July 1.
- Bottle-filling machine. P. W. Shields. 1,742,288; Jan. 7.
- Bottle-filling machine. A. W. Suiter. 1,771,422; July 29.
- Bottle for containing fluids. J. H. Spohn, jr. 1,756,397; Apr. 29.
- Bottle for soft drinks. P. B. Thompson. Des. 80,587; Feb. 25.
- Bottle for soft drinks. P. B. Thompson. Des. 81,079; Apr. 29.
- Bottle-handling apparatus. E. E. Van Cleef. 1,773,654; Aug. 19.

- Bottle heater, Nursing-. W. F. Edlin. 1,785,438; Dec. 16.
- Bottle, Hot-water. J. K. Blomquist. 1,758,024; May 13.
- Bottle, Hot-water. T. W. Casey. Des. 82,370; Oct. 28.
- Bottle, Hot-water. R. E. Fawn. Des. 81,275; June 3.
- Bottle, Milk. G. E. West. 1,770,093; July 8.
- Bottle, Nonrefillable. A. Impellitteri. 1,755,783; Apr. 22.
- Bottle, Nursing. E. Kriege. 1,749,432; Mar. 4.
- Bottle opening device. C. E. Kennedy and E. E. Sanborn. 1,750,759; Mar. 18.
- Bottle or article of similar nature, Hot-water. F. R. Brown. Des. 81,371-2; June 17.
- Bottle or article of similar nature, Hot-water. H. E. Thayer. Des. 81,421; June 17.
- Bottle or jar. T. C. Adams. 1,755,944; Apr. 22.
- Bottle or similar article. G. F. Gallagher. Des. 80,868; Apr. 1.
- Bottle or similar article. W. W. Hobé. Des. 82,824; Dec. 16.
- Bottle or similar article. J. Le Bloas and E. S. Janes. Des. 80,572; Feb. 25.
- Bottle or similar article, Perfume. B. Storf. Des. 80,643; Mar. 4.
- Bottle or similar container. H. Oblander. Des. 82,578; Nov. 18.
- Bottle or similar container. W. D. Teague. Des. 72,768; Dec. 9.
- Bottle or similar container. W. D. Teague. Des. 80,708-9; Mar. 11.
- Bottle or similar container. W. D. Teague. Des. 81,897; Aug. 26.
- Bottle or similar container. W. D. Teague. Des. 82,191; Sept. 30.
- Bottle or similar container. W. D. Teague. Des. 82,593; Nov. 18.
- Bottle or the like. W. E. Sharp. Des. 82,398; Oct. 28.
- Bottle, Paper. A. Moore. 1,754,644; Apr. 15.
- Bottle, Perfume. L. A. Danco. Des. 82,317; Oct. 21.
- Bottle protector and heat retainer, Baby-. M. J. Cole. 1,772,339; Aug. 5.
- Bottle retriever, Milk-. C. A. Pool. 1,761,894; June 3.
- Bottle-rinsing machine. F. Boeschel. 1,783,776; Dec. 2.
- Bottle, Siphon. E. Weinheim. 1,756,269; Apr. 29.
- Bottle, Siphon. E. Weinheim. 1,778,440; Oct. 14.
- Bottle stopper. H. H. Elliott. 1,760,127; May 27.
- Bottle stopper. R. R. Hutcheson. Des. 82,679; Dec. 2.
- Bottle stopper. H. G. Norwood. 1,757,438; May 6.
- Bottle stopper. G. F. Pinsuti. 1,775,292; Sept. 9.
- Bottle stopper. H. P. Roberts. 1,778,123; Oct. 14.
- Bottle stopper. F. Tourtois. Des. 80,758; Mar. 18.
- Bottle stopper, Threaded. A. I. Cone. 1,777,826; Oct. 7.
- Bottle-straightening device. A. P. Ekvall. 1,786,939; Dec. 30.
- Bottle structure. A. S. Allen. 1,781,094; Nov. 11.
- Bottle structure. C. R. Webber. 1,780,728; Nov. 4.
- Bottle-suspension device. G. W. Otto. 1,774,840; Sept. 2.
- Bottle warmer, Electric baby-. A. H. Goldsmith. 1,762,171; June 10.
- Bottle washers, Unloading mechanism for. I. R. Hippenmeyer. 1,756,553; Apr. 29.
- Bottle-washing apparatus. A. Erickson. 1,770,847; July 15.
- Bottle-washing apparatus. M. J. Kreutzer. 1,772,398; Aug. 5.
- Bottle-washing machine. J. Hauk. 1,759,506; May 20.
- Bottle-washing machine. I. R. Hippenmeyer. 1,756,554; Apr. 29.
- Bottle-washing machine. H. Krause. 1,754,755; Apr. 15.
- Bottle-washing machine. F. B. Reily. 1,761,492; June 3.
- Bottle-washing machine. G. F. Soelch. 1,775,003; Sept. 2.
- Bottled beverages, Capping and sediment-retaining device for. B. E. Clarke and A. Danciger. 1,758,219; May 13.
- Bottles and crates in bottle-washing machines, Handling of. A. G. Enock. 1,774,425; Aug. 26.
- Bottles and like articles of glassware, Apparatus for manufacturing. J. A. Angus. 1,775,381; Sept. 9.
- Bottles, Apparatus for cleaning. R. R. McKechnie. 1,761,450; June 3.
- Bottles, Apparatus for cleaning. K. K. Wright. 1,765,557; June 24.
- Bottles, Apparatus for filling. P. W. Shields. 1,742,287; Jan. 7.
- Bottles, Apparatus for filling and capping. O. Larsen. 1,756,561; Apr. 29.
- Bottles, Apparatus for washing. S. H. Marsh. 1,772,320; Aug. 5.
- Bottles, Feeder or teat for feeding. C. Fervers. 1,759,568; May 20.
- Bottles, Making flat. C. B. Garwood. 1,752,481; Apr. 1.
- Bottles, Process and apparatus for producing wax. D. Fauerbach. 1,784,686; Dec. 9.
- Bottles with cardboard disks, Apparatus for closing milk. F. C. T. Radbruch. 1,768,629; July 1.
- Bottling art. M. S. Weaver. 1,773,291; Aug. 19.
- Bottom construction for cans. R. J. Curtis. 1,756,585; Apr. 29.
- Bottom construction for cans. M. L. Hunker. 1,756,593; Apr. 29.
- Bottom for chairs, couches, etc., Resilient. J. Kronheim. 1,775,821; Sept. 16.
- Bottom for seats, Webbed. S. S. Bernstein. 1,774,696; Sept. 2.
- Bottom, Knock-out. W. Salisbury. 1,775,537; Sept. 9.
- Bottom, Self-cooling furnace. F. P. Fairchild. 1,758,394; May 13.
- Bouquet pin. L. W. Andersen. 1,784,565; Dec. 9.
- Bow tie. G. E. Figg. 1,780,418; Nov. 4.
- Bowl, Animal water. W. Loudon and A. H. Neller. 1,743,719; Jan. 14.
- Bowl, Automatic sanitary sugar. L. Nagy. 1,756,002; Apr. 22.
- Bowl, Clarifier. L. D. Jones and A. U. Ayres. 1,749,538; Mar. 4.
- Bowl construction, Scraper. W. J. Adams. 1,785,106; Dec. 16.
- Bowl, Egg-beater. W. F. Newberry. Des. 80,804; Mar. 25.
- Bowl, Mixing. R. M. Kerr. 1,753,121; Apr. 1.
- Bowl or article of similar nature, Flower. T. C. Heisey. Des. 81,388; June 17.
- Bowl or article of similar nature, Flower. T. C. Heisey. Des. 82,888; Dec. 23.
- Bowl or like article. E. Fairchild. Des. 80,513; Feb. 18.
- Bowl or similar article. C. C. Beam. Des. 82,723; Dec. 9.
- Bowl or similar article. E. Fairchild. Des. 80,722; Mar. 18.
- Bowl or similar article. G. Sakier. Des. 80,971; Apr. 15.
- Bowl or similar article, Glass. W. C. McCartney. Des. 80,848; Apr. 1.
- Bowl or similar article, Illuminating glass. N. Kopp. Des. 81,392; June 17.
- Bowl or similar article, Sugar. H. Ufford. Des. 82,634; Nov. 25.
- Bowl, Refractor. G. H. Cole. 1,761,654; June 3.
- Bowl, Semiindirect-diffusing. F. C. Baker. Des. 82,715; Dec. 2.
- Bowl, Spinning. J. C. Hensing and J. W. Lubberhuizen. 1,763,520; June 10.
- Bowl, Stock-watering. M. B. Bulger. 1,742,686; Jan. 7.
- Bowl, Stock-watering. W. Gutenkunst. 1,774,550; Sept. 2.
- Bowling alley. W. S. Hartman. 1,782,849; Nov. 25.
- Bowling pin. J. W. Bishop. 1,770,388; July 15.
- Bows, Tying. A. Novick. 1,774,898; Sept. 2.
- Bowl, Water-closet. B. O. Tilden. 1,748,197; Feb. 25.
- Box: See—
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| Annealing box. | Journal box. |
| Axle box. | Junction box. |
| Batch box. | Kit box. |
| Battery box. | Letter box. |
| Bearing box. | Locomotive driving box. |
| Bird box. | Mail box. |
| Bread box. | Match box. |
| Calling-card box. | Messenger call box. |
| Card box. | Metal box. |
| Cardboard box. | Meter box. |
| Charging box. | Molding box. |
| Cigar box. | Mortar box. |
| Cigarette box. | One-piece box. |
| Cigarette and match box. | Outlet box. |
| Coin box. | Outlet or junction box. |
| Collapsible and reducing box. | Packing and display box. |
| Collapsible box. | Paper box. |
| Conduit box. | Pipe curb box. |
| Conduit outlet box. | Powder box. |
| Conduit pull box. | Refrigerator box. |
| Contact-switch box. | Resistance box. |
| Core box. | Sand box. |
| Cosmetic box. | Service box. |
| Curb box. | Sewer clean-out box. |
| Dice box. | Shipping and display box. |
| Dispensing and cooling box. | Shoe-box. |
| Display box. | Signal box. |
| Distribution box. | Smoke box. |
| Driving box. | Soap box. |
| Egg box. | Stationery box. |
| Elevator box. | Storage box. |
| Exhaust box. | Stuffing box. |
| Fare box. | Suction box. |
| Fill box. | Switch box. |
| Fire-alarm and watchman's recording box. | Switch or outlet box. |
| Foldable box. | Tackle box. |
| Folding box. | Tiling casting box. |
| Fuse box. | Tobacco box. |
| Gear box. | Tool box. |
| Hatbox. | Top and bottom box. |
| Ice box. | Vanity box. |
| Jewelry box. | Wagon box. |
| | Watch box. |
| | Well stuffing box. |
- Box. J. Cavanagh. 1,771,706; July 29.
- Box. F. H. Coombs. 1,743,709; Jan. 14.
- Box. M. Feybusch. 1,786,743; Dec. 30.
- Box. A. Freed. Des. 80,687; Mar. 11.
- Box. L. H. Gebhart and S. G. Wise. 1,753,461; Apr. 8.
- Box. A. Henke. 1,769,430; July 1.
- Box. L. W. Kendrick. 1,766,787; June 24.
- Box. W. L. Krumm. Des. 80,843; Apr. 1.
- Box. W. L. Krumm. Des. 81,655; July 22.
- Box. E. A. Locke, jr. 1,765,084; June 17.
- Box. C. C. Miller. 1,772,106; Aug. 5.
- Box. L. E. Parker. 1,751,170; Mar. 18.
- Box. R. W. Phelps. Des. 82,689; Dec. 2.
- Box. D. H. Ross. Des. 81,941; Sept. 2.
- Box. F. J. Schleicher. Des. 80,811; Mar. 25.
- Box. F. J. Schleicher. Des. 81,893; Aug. 26.
- Box. F. J. Schleicher. 1,772,878; Aug. 12.
- Box. S. M. Smith. 1,763,072; June 10.
- Box. H. B. Walter. 1,770,681; July 15.
- Box. A. Wetzler. 1,782,110; Nov. 18.

- Box and axle, Journal. H. W. Sanford and H. W. Jones. 1,768,004; June 24.
- Box and cover structure. B. E. Clarkson. 1,743,531; Jan. 14.
- Box and making same. H. B. Smith. 1,745,385; Feb. 4.
- Box and making same. H. B. Smith. 1,762,703; June 10.
- Box and making the same, Wire-bound. E. T. Johnson. 1,780,709; Nov. 4.
- Box and platform, Sectional. C. L. Clark and W. W. Galbreath. 1,755,725; Apr. 22.
- Box and preparing the same, Cardboard or paper. E. J. Schoettle. 1,773,064; Aug. 12.
- Box and support, Outlet. J. Mangin. 1,774,934; Sept. 2.
- Box and the like, Folding. M. L. Wolff. 1,746,507; Feb. 11.
- Box and tube connector. G. Carlson. 1,778,624; Oct. 14.
- Box arrangement, Distribution. J. Rah. 1,775,694; Sept. 16.
- Box blank and box. H. B. Smith. 1,762,704; June 10.
- Box-blank machine, Wirebound-. E. Craig. 1,748,975; Mar. 4.
- Box-blanking machine, Rotary. L. H. Schroeder and J. Wagner. Re17,653; Apr. 29.
- Box-carrying means, Collapsible-. H. H. Vandivort. 1,750,072; Mar. 11.
- Box cleaner, Gate-valve-. L. Roden. 1,762,486; June 10.
- Box construction, Insectproof bread and cake. C. H. Gregorie. 1,748,764; Feb. 25.
- Box-container composition and making same, Battery. R. N. Chamberlain. 1,755,500; Apr. 22.
- Box corner. B. A. Lange. 1,753,230; May 13.
- Box-dumping machine. E. D. Westrip and B. R. Daves. 1,771,473; July 29.
- Box end and making same. H. J. Goff. 1,767,064; June 24.
- Box-end-making machine. H. P. Schuck. 1,762,643; June 10.
- Box-end sawing and nailing apparatus. H. J. Goff. 1,771,888; July 29.
- Box fixture, Junction-. R. O. Beerhalter. 1,767,339; June 24.
- Box folding and taping machine. J. H. McPike. 1,757,730; May 6.
- Box for baby chicks, Shipping. A. B. Hilkemeyer. 1,752,177; Mar. 25.
- Box for cables of same polarity, Distribution. J. Rah. 1,762,525; June 10.
- Box for carrying loose face powder, Vanity. L. P. Dickey. 1,771,403; July 29.
- Box for chicks, Shipping. R. A. Gorsuch. 1,781,279; Nov. 11.
- Box for crayons, Shipping; storage, and display. A. Johnson. 1,744,388; Jan. 21.
- Box for filing index cards. W. Erich. 1,744,373; Jan. 21.
- Box for foam fire-extinguishing systems, Mixing. J. C. Black. 1,774,165; Aug. 26.
- Box for jewelry and the like. H. J. Farrington. 1,780,011; Oct. 28.
- Box for jewelry and the like. H. J. Farrington. 1,781,779; Nov. 18.
- Box for liquids, Paper. E. W. Labombarde. 1,745,101; Jan. 28.
- Box for locomotives, Smoke. H. Glaenger. 1,765,229; June 17.
- Box former, Tubular-. E. H. Newton and F. Green. 1,755,513; Apr. 22.
- Box for nuts, confectionery, and the like. L. M. Sawin. Des. 82,181; Sept. 30.
- Box forming and sealing device. W. W. Brust. 1,751,390; Mar. 18.
- Box hook. A. E. Gannon, J. F. MacNeil, and W. J. MacLellan. 1,753,366; Apr. 8.
- Box insert. J. R. Weidner. 1,782,915; Nov. 25.
- Box lid. F. J. Schleicher. Des. 82,708; Dec. 2.
- Box-lidding bench. R. A. Squier. 1,752,707; Apr. 1.
- Box-making machine. J. Albrecht. 1,746,021; Feb. 4.
- Box-making machine. W. A. Joplin. 1,757,804; May 6.
- Box-making machine. C. O. K. Laube. 1,750,717; Mar. 18.
- Box of refrigerating apparatus, Packing. O. J. Kenyon. 1,777,495; Oct. 7.
- Box or can, Telescopically-collapsible. H. Hermani. 1,770,920; July 22.
- Box or case for holding electric and other bulbs, Collapsible. J. Brownlie and A. Horsley. 1,754,081; Apr. 8.
- Box or container. L. S. Barnes. 1,781,624; Nov. 11.
- Box or container. Fred W. Tamke and G. W. Boh. 1,770,819; July 15.
- Box or similar article. J. E. Berger. Des. 80,667; Mar. 11.
- Box or similar article. F. Tourtois. Des. 81,033; Apr. 22.
- Box or similar article. J. W. Wickser. Des. 82,201; Sept. 30.
- Box or similar article of manufacture. J. A. Corbett. Des. 80,720; Mar. 18.
- Box or similar receptacle. K. R. Haley. Des. 80,790; Mar. 25.
- Box, or the like, Paper. S. Bergstein. 1,770,387; July 15.
- Box packing, Stuffing-. W. Wishart. 1,759,029; May 20.
- Box partitioning. L. E. La Bombard and M. H. Sidebotham. 1,785,416; Dec. 16.
- Box partitioning, Making. H. M. Russell. 1,745,060; Jan. 28.
- Box provided with easel. G. B. Mustin. 1,745,947; Feb. 4.
- Box sealing, Paper-. J. R. Van Wormer. 1,763,025; June 10.
- Box strap, Adjustable wall-. J. Mangin. 1,774,935; Sept. 2.
- Box-stringing machine. R. H. M. Rhoda. 1,773,009; Aug. 12.
- Box-supporting ear. C. Newman and E. G. Appleton. 1,782,546; Nov. 25.
- Box-taping machine. J. H. McPike. 1,745,940; Feb. 4.
- Box toe. A. L. Clapp. 1,765,861; June 24.
- Box-toe-conditioning machine. S. P. Lovell. 1,766,442; June 24.
- Box toe, Soft. C. L. Daly. 1,784,276; Dec. 9.
- Box-toe strip pack. J. J. Daly. 1,756,115; Apr. 29.
- Box with folding lid. B. Schubart. 1,766,194; June 24.
- Box-wrapping device. R. C. Cunningham. 1,753,646; Apr. 8.
- Boxes and box-blank assemblies, Making. H. B. Smith. 1,762,702; June 10.
- Boxes and covers therefor, Making. C. L. Dewey. 1,761,331; June 3.
- Boxes, cardboard boxes, and the like, Manufacture of paper. E. Jagenberg. 1,756,359; Apr. 29.
- Boxes, Folding paper. J. P. Shearer. 1,765,104; June 17.
- Boxes, Making journal. G. D. Ward and W. H. Chapman. 1,754,920; Apr. 15.
- Boxes, Manufacture of cardboard. H. Hackett and A. Whittaker. 1,782,611; Nov. 25.
- Boxes, Method of and apparatus for straightening annealing. A. W. Earl. 1,754,616; Apr. 15.
- Boxes or the like, Making paper. S. Bergstein. 1,747,887; Feb. 18.
- Boxes to their hangers, Device for securing outlet. O. E. Logan. 1,786,353; Dec. 23.
- Boxing amusement device. W. J. Veronda. 1,781,307; Nov. 11.
- Brace: See—
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| Bit brace. | Furniture brace. |
| Bumper brace. | Rail brace. |
| Car brace. | Steel lay brace. |
| Carving brace. | Track brace. |
| Door brace. | Trombone brace. |
| Draw-works brace. | Truss brace. |
- Brace and bit drill, Combination. W. C. Hamilton. 1,783,786; Dec. 2.
- Brace for an electric light fixture. B. Hasenstab. Des. 81,187-9; May 20.
- Brace for an electric-light fixture. C. W. Logan. Des. 81,802; Aug. 12.
- Brace for broom handles. H. Cave. 1,764,095; June 17.
- Brace for railway cars and the like, Load. C. E. Goetz. 1,755,729; Apr. 22.
- Brace for spring structures. V. Massacese. 1,774,938; Sept. 2.
- Brace for Windsor chairs and the like. T. H. Wittliff. 1,752,545; Apr. 1.
- Bracing means for house cars. A. Wasberg and K. J. Tobin. 1,742,292; Jan. 7.
- Bracelet. G. and F. Armbrust. 1,745,140; Jan. 28.
- Bracelet. F. W. Bopp and K. L. Volk. 1,744,206; Jan. 21.
- Bracelet. E. G. Carlson. 1,751,792; Mar. 25.
- Bracelet. L. Cohn. Des. 82,371; Oct. 28.
- Bracelet. E. Prestinari. Des. 81,203; May 20.
- Bracelet. E. Prestinari. Des. 81,400-1; June 17.
- Bracelet. C. Spatschil. 1,779,383; Oct. 21.
- Bracelet. E. A. Williams. Des. 80,298; Jan. 7.
- Bracelet, Adjustable. W. H. Lester. 1,748,609; Feb. 25.
- Bracelet and brooch, Interchangeable. R. J. Vance, sr. 1,756,041; Apr. 29.
- Bracelet attachment. C. A. Domler. 1,771,249; July 22.
- Bracelet attachment. C. R. Tost. 1,768,868; July 1.
- Bracelet chain. S. L. Lederer. Des. 82,508; Nov. 11.
- Bracelet chain. E. Prestinari. 1,760,662; May 27.
- Bracelet clasp. C. A. Domler. 1,776,892; Sept. 30.
- Bracelet clasp. H. Grasmere. 1,750,667; Mar. 18.
- Bracelet clasp. M. Miller. 1,783,743; Dec. 2.
- Bracelet construction. O. L. Gammell. 1,786,943; Dec. 30.
- Bracelet construction. A. Person. 1,777,015; Sept. 30.
- Bracelet coupling. A. Hadley. 1,776,898; Sept. 30.
- Bracelet, Expansive. L. I. Lamb. 1,771,894; July 29.
- Bracelet-extension device. A. H. Barrowman. 1,774,544; Sept. 2.
- Bracelet for watches or the like. C. A. Domler. 1,760,689; May 27.
- Bracelet, Jewelry. H. H. Lott. 1,767,596; June 24.
- Bracelet, Linked. H. Luft. 1,774,334; Aug. 26.
- Bracelet lock. D. F. Matushenko. 1,754,959; Apr. 15.
- Bracelet or similar article. M. P. and B. P. Bleser. Des. 81,743; Aug. 5.
- Bracelet or similar article. W. Reichert. Des. 81,019; Apr. 22.
- Bracelet strap. E. Prestinari. Des. 81,501; July 1.
- Bracelet strap. E. Prestinari. 1,750,125; Mar. 11.
- Bracelet, Wrist-watch. W. M. Krementz. 1,779,068; Oct. 21.
- Bracelet, Wrist-watch. C. R. Tost. 1,756,769; Apr. 29.
- Bracelets and the like, Construction for. A. Person. 1,744,175; Jan. 21.
- Bracelets, Expansive member for inseparable. O. L. Gammell and R. W. Woodward. 1,764,440; June 17.
- Bracelets, Extension device for. A. F. Kracmer. 1,780,824; Nov. 4.
- Bracing structure, Wing-. R. Chilton. 1,775,513; Sept. 9.

Bracket: *See*—

Awning bracket.
 Brake-beam support-arm bracket.
 Brake-hanger bracket.
 Broom-handle bracket.
 Building bracket.
 Bumper bracket.
 Cable bracket.
 Carline bracket.
 Car-wind-wing bracket.
 Highway-sign bracket.
 Journal and guide bracket.
 Lamp bracket.
 License-plate bracket.
 Locomotive bumper bracket.
 Mast bracket.
 Post bracket.
 Bracket. F. Berr. 1,747,462; Feb. 18.
 Bracket. J. O. Challinor. 1,743,529; Jan. 14.
 Bracket. H. D. Church. 1,748,974; Mar. 4.
 Bracket. O. S. Flath. 1,751,691; Mar. 25.
 Bracket. L. Gundrup. 1,754,714; Apr. 15.
 Bracket. J. P. Heben Dahl. 1,767,585; June 24.
 Bracket. J. J. Knappe. 1,760,503; May 27.
 Bracket. C. C. Rossi. 1,745,058; Jan. 28.
 Bracket. E. L. Schwab. 1,762,311; June 10.
 Bracket. C. E. Stevens. 1,767,099; June 24.
 Bracket. J. Stone. 1,743,406; Jan. 14.
 Bracket and shelf. J. A. Hoegger. 1,779,236; Oct. 21.
 Bracket coupling for apparatus for electric-lighting systems. G. R. Brown. 1,751,262; Mar. 18.
 Bracket device. J. Landau. 1,771,682; July 29.
 Bracket-fixture block, Curtain-. E. Dignan. 1,763,764; June 17.
 Bracket for aircraft, Flare-supporting. H. E. S. Holt. 1,776,810; Sept. 30.
 Bracket for an electric lamp, Wall. B. Hasenstab. Des. 81,279-81; June 3.
 Bracket for automobile windows and the like, Screen. B. Schwein. 1,765,244; June 17.
 Bracket for bathrooms. C. H. Lovett. Des. 82,571; Nov. 18.
 Bracket for cabinets. A. H. Levene. 1,753,012; Apr. 1.
 Bracket for display cases, Adjustable. H. D. Blake. 1,761,004; June 3.
 Bracket for dynamo-electric machines, End. W. La Vigna. 1,772,836; Aug. 12.
 Bracket for electric lamps, Wall. C. W. Logan. Des. 82,167; Sept. 30.
 Bracket for electric lights and flash lights. J. A. Weitz, jr. 1,774,775; Sept. 2.
 Bracket for highway use and the like. J. Kinkult. 1,759,314; May 20.
 Bracket for lighting fixture. O. F. Seeger. Des. 80,582-3; Feb. 25.
 Bracket for lighting fixtures, Wall. I. Rosenblatt. Des. 80,639; Mar. 4.
 Bracket for motor vehicles or the like, Shipping. E. Rogers. 1,754,803; Apr. 15.
 Bracket for projection-machine shutters. A. Dina. 1,771,748; July 29.
 Bracket for supporting liquid containers. O. B. Schellberg. 1,745,509; Feb. 4.
 Bracket for supports. W. W. Nicodemus. 1,768,291; June 24.
 Bracket for tractor hoists. S. B. Gorbitt. 1,780,646; Nov. 4.
 Bracket for trouble lamps. R. Garbs. 1,772,439; Aug. 5.
 Bracket for use in connection with card tables, Article-holding. W. Hanley. 1,747,710; Feb. 18.
 Bracket for vehicle springs. P. Lemaigre. 1,747,780; Feb. 18.
 Bracket for window hangings, Supporting. K. H. Whitney. Re17,896; Dec. 2.
 Bracket or article of similar nature, Lighting fixture. J. J. Blumenthal. Des. 82,310; Oct. 21.
 Bracket or article of similar nature, Lighting-fixture. J. J. Blumenthal. Des. 82,790; Dec. 16.
 Bracket or similar article, Wall. O. Hoffmann. Des. 80,952; Apr. 15.
 Braid. C. Lipper. Des. 81,013-4; Apr. 22.
 Braid, Braided waved. H. Berlin. 1,780,515; Nov. 4.
 Braiding carrier. A. K. Swortzel. 1,743,501; Jan. 14.
 Braiding device. G. A. Boettcher. 1,748,667; Feb. 25.
 Braiding machine. W. E. Cook. 1,757,794; May 6.
 Braiding machine. A. Hopkinson. 1,748,553; Feb. 25.
 Braiding machine. R. C. Kivley. 1,752,437; Apr. 1.
 Braiding machine. G. D. Mallory. 1,785,683; Dec. 16.
 Braiding machine. D. H. Murphy. 1,760,768; May 27.
 Braiding machine. W. C. Wright and J. F. Schenck, sr. 1,765,117; June 17.
 Braiding machine, Rotary. M. Krisslep. 1,747,720; Feb. 18.
 Braiding machine, Tubular. M. Krisslep. 1,779,775; Oct. 28.

Brake: *See*—

Aeroplane brake.
 Aeroplane flight brake.
 Air brake.
 Airplane brake.
 Automobile brake.
 Automotive brake.
 Booster brake.
 Car brake.
 Car-wheel brake.
 Compression brake.
 Dough brake.
 Electric brake.
 Electromagnetic brake.
 Electropneumatic brake.

Brake: *See*—

Elevator brake.
 Equalized brake.
 Expanding brake.
 Fluid brake.
 Fluid-operated brake.
 Fluid-pressure brake.
 Four-wheel brake.
 Friction brake.
 Gear-box brake.
 Hand brake.
 Hydraulic brake.
 Internal brake.
 Internal-expansion brake.
 Load brake.
 Motor-operated brake.
 Nonskid brake.
 Pneumatic brake.
 Power brake.
 Servo brake.
 Torque brake.
 Track brake.
 Trailer brake.
 Transmission brake.
 Vacuum brake.
 Vehicle brake.
 Wheel brake.
 Brake. J. T. Bernard. 1,755,909; Apr. 22.
 Brake. A. J. Chanter. 1,759,934-5; May 27.
 Brake. A. Y. Dodge. 1,756,975; May 6.
 Brake. A. Y. Dodge and R. S. Sanford. 1,757,558; May 6.
 Brake. H. Ford. 1,772,481; Aug. 12.
 Brake. J. Glueck. 1,752,377; Apr. 1.
 Brake. H. C. Gohlke. 1,784,688; Dec. 9.
 Brake. T. T. Greenwood. 1,758,253; May 13.
 Brake. D. T. Holmes. 1,766,517; June 24.
 Brake. B. E. House. 1,756,827; Apr. 29.
 Brake. H. D. Humphrey. 1,771,849; July 29.
 Brake. B. N. Jones. 1,772,867; Aug. 12.
 Brake. W. C. Keys. 1,773,584; Aug. 19.
 Brake. R. F. Kohr. 1,781,691; Nov. 18.
 Brake. L. E. La Brie. 1,756,982-3; May 6.
 Brake. L. E. La Brie. 1,762,691; June 10.
 Brake. M. Loughhead. 1,755,829-30; Apr. 22.
 Brake. K. E. Lyman. 1,749,188; Mar. 4.
 Brake. K. E. Lyman. 1,763,854; June 17.
 Brake. E. L. McIntyre. 1,759,585; May 20.
 Brake. J. F. O'Connor. 1,755,408; Apr. 22.
 Brake. P. W. Pomeroy. 1,761,231; June 3.
 Brake. J. L. Price. 1,774,565; Sept. 2.
 Brake. E. C. Rosenberg. 1,767,014; June 24.
 Brake. R. S. Sanford. 1,756,996; May 6.
 Brake. R. S. Sanford. 1,759,420; May 20.
 Brake. R. S. Sanford. 1,774,527; Sept. 2.
 Brake. G. A. Schact. 1,758,012; May 13.
 Brake. C. R. Short. 1,753,582; Apr. 8.
 Brake. C. R. Short. 1,756,914; Apr. 29.
 Brake. J. Sneed. 1,746,057; Feb. 4.
 Brake. A. L. Soresi. 1,778,570; Oct. 14.
 Brake. G. H. Stoner. 1,761,027; June 3.
 Brake. G. H. Stoner. 1,779,197; Oct. 21.
 Brake. J. W. Tatter. 1,755,525; Apr. 22.
 Brake. J. H. Van Wagenen. 1,774,684; Sept. 2.
 Brake. D. B. Waite. 1,743,411-12; Jan. 14.
 Brake. J. J. Wharam. 1,752,516; Apr. 1.
 Brake. J. Whyte. 1,786,808; Dec. 30.
 Brake-actuating mechanism. F. H. Hall. 1,754,387; Apr. 15.
 Brake-actuating mechanism. A. Kassler. 1,748,071; Feb. 25.
 Brake-actuating mechanism. L. P. Mooers. 1,774,657; Sept. 2.
 Brake-actuating mechanism. B. F. Schmidt. 1,778,610; Oct. 14.
 Brake adjuster. H. Brost. 1,783,902; Dec. 2.
 Brake-adjusting device. R. N. Van Buskirk. 1,757,348; May 6.
 Brake-adjusting mechanism, Internal-. L. A. Lidholm. 1,778,112; Oct. 14.
 Brake and auxiliary wing mechanism for aeroplanes, Combined. C. B. Kasuboski. 1,776,733; Sept. 23.
 Brake and clutch control for automobiles, Automatic. A. J. Vasselli. 1,775,978; Sept. 16.
 Brake and operating mechanism, Hydraulic. W. G. Price. 1,779,639; Oct. 28.
 Brake and rudder pedal for aircraft, Combination. R. J. Minshall. 1,746,008; Feb. 4.
 Brake apparatus for aircraft. T. Kollinek. 1,772,813; Aug. 12.
 Brake apparatus for automobiles, Fluid-. E. G. Carroll. 1,770,064; July 8.
 Brake apparatus, Hydraulic. B. Dick. 1,786,231; Dec. 23.
 Brake-applying means. G. H. Hunt. 1,756,979; May 6.
 Brake assembly. J. Sneed. 1,756,312; Apr. 29.
 Brake-backing plate. V. Bendix. 1,762,710; June 10.
 Brake band. H. Borchers. 1,771,204; July 22.
 Brake-band connection. T. R. McGowan. 1,778,118; Oct. 14.
 Brake-band drilling and countersinking machine. R. E. Manley. 1,762,872; June 10.
 Brake-band-drilling attachment. E. G. Bartel. 1,778,579; Oct. 14.
 Brake-band-lining device. V. Freshkoff. 1,785,076; Dec. 16.
 Brakeband linings, Device for applying. A. M. Walch. 1,749,615; Mar. 4.
 Brake bands and the like, Making. T. M. Russell. 1,785,391; Dec. 16.
 Brake bands, Method and apparatus for lining. M. L. Jeffrey. 1,747,672; Feb. 18.
 Brake-beam fourth-point support and safety device for clasp brakes. L. G. Miller. 1,780,030; Oct. 28.
 Brake beam, Hangerless. C. I. Walker. 1,784,917; Dec. 16.
 Brake-beam structure. H. W. Ekholm. 1,784,896; Dec. 16.

- Brake-beam-support arm bracket. A. P. Rissler and E. G. Busse. 1,773,376; Aug. 19.
 Brake block. H. C. Georgi. 1,751,911; Mar. 25.
 Brake block. H. E. Jensen. 1,765,275; June 17.
 Brake-cam centralizer. C. G. Belden. 1,755,977; Apr. 22.
 Brake centralizer. T. P. Chase. 1,768,509; June 24.
 Brake construction. A. Y. Dodge. 1,752,478; Apr. 1.
 Brake control. F. M. Bosworth. 1,758,027; May 13.
 Brake control. A. Y. Dodge. 1,762,290; June 10.
 Brake control. A. Y. Dodge. 1,762,714; June 10.
 Brake control. G. E. A. Hallett. 1,755,989; Apr. 22.
 Brake control. G. F. Michael. 1,786,670; Dec. 30.
 Brake control for power-propelled vehicles, Automatic. E. G. Staude. 1,785,052; Dec. 16.
 Brake-control mechanism. R. S. Gans. 1,754,354; Apr. 15.
 Brake-control mechanism. E. J. W. Ragsdale. 1,753,966; Apr. 8.
 Brake-control system for the wheels of airplanes. G. L. R. J. Messier. 1,763,405; June 10.
 Brake-controlling apparatus, Railway. L. L. Buck. 1,775,809; Sept. 16.
 Brake-controlling mechanism for looms. W. M. Wattle. 1,766,862; June 24.
 Brake cross shaft mounting. C. J. Bock. 1,783,774; Dec. 2.
 Brake drum. J. V. Pugh. 1,785,424; Dec. 16.
 Brake drum. W. Schwemlein. 1,786,132; Dec. 23.
 Brake device. H. D. Hukill. 1,782,571; Nov. 25.
 Brake device for laying electrical open-air lines, cables, and the like. J. Zagorski. 1,764,591; June 17.
 Brake device, Load-. U. A. Whitaker. 1,774,162; Aug. 26.
 Brake device, Magnetic. C. C. Farmer. 1,776,282; Sept. 23.
 Brake device, Safety. S. G. Down. 1,774,174; Aug. 26.
 Brake device, Vehicle. J. M. J. Dormoy. 1,778,106; Oct. 14.
 Brake diaphragm, Automotive. F. P. Livingston. 1,765,376; June 24.
 Brake drum. V. Bendix. 1,746,924-5; Feb. 11.
 Brake drum. V. Bendix. 1,758,731; May 13.
 Brake drum. W. N. Booth. 1,766,215; June 24.
 Brake drum. W. N. Booth. 1,766,216; June 24.
 Brake drum. J. Goostray. 1,775,521; Sept. 9.
 Brake drum. J. W. Johnston. 1,745,301; Jan. 28.
 Brake drum. J. W. Johnston. 1,780,234; Nov. 4.
 Brake drum. C. G. Keller. 1,768,959; July 1.
 Brake drum. R. J. Norton. 1,746,493-4; Feb. 11.
 Brake drum. J. L. Price. 1,770,109; July 8.
 Brake drum. C. Scull, sr. 1,766,955; June 24.
 Brake drum. G. Walther. 1,749,745; Mar. 4.
 Brake drum and making same. G. M. Evans. 1,767,522; June 24.
 Brake-drum construction. E. A. Nelson. 1,750,682; Mar. 18.
 Brake-drum structure. R. J. Norton. 1,763,251; June 10.
 Brake-drum-truing machine. H. B. Barrett. 1,772,025; Aug. 5.
 Brake drums, Apparatus for forming. W. N. Booth. 1,747,463; Feb. 18.
 Brake drums, Making. C. Scull, sr. 1,766,956; June 24.
 Brake equalizer. R. Freeman. 1,770,030; July 8.
 Brake equalizer. N. E. Wahlberg. 1,743,642; Jan. 14.
 Brake equalizer for rotary draw works, Differential and straight. J. D. Spalding and D. S. Faulkner. 1,760,180; May 27.
 Brake equalizing and operating mechanism. N. A. Kristmann. 1,744,643; Jan. 21.
 Brake-equalizing mechanism. O. M. Nacker. 1,780,498; Nov. 4.
 Brake equipment, Electropneumatic. T. H. Thomas. 1,750,650; Mar. 18.
 Brake equipment, Railway-. W. C. Sleeman. 1,752,704; Apr. 1.
 Brake fluid, Hydraulic-. R. M. Bagley. 1,779,460; Oct. 28.
 Brake for automatic reels. A. D. Maury. 1,785,279; Dec. 16.
 Brake for automotive vehicles, Air. T. Bossard. 1,773,166; Aug. 19.
 Brake for automotive vehicles, Multiple wheel. F. A. Truesdell. 1,754,780; Apr. 15.
 Brake for baby carriages. H. F. Shaw. 1,752,269; Mar. 25.
 Brake for baby carriages, Automatic. J. G. Pararra. 1,747,595; Feb. 18.
 Brake for flying machines. A. Connors. 1,777,254; Sept. 30.
 Brake for freight cars, Geared hand. W. E. Wine. 1,766,273; June 24.
 Brake for machinery, vehicles, and the like. M. G. T. Priest. 1,771,348; July 22.
 Brake for milling machines and the like, Feed. W. Ferris. 1,776,765; Sept. 23.
 Brake for motor vehicles, Clutch. A. Moorhouse. 1,787,160; Dec. 30.
 Brake for motor vehicles, Hydraulic. P. A. Ketchpel and N. M. Lomer. 1,775,105; Sept. 9.
 Brake for motor vehicles, Wheel. P. Strano. 1,773,762; Aug. 26.
 Brake for railroad vehicles. O. Kramer. 1,747,516; Feb. 18.
 Brake for railway cars, Hand. J. P. Templeman. 1,774,735; Sept. 2.
 Brake for railway cars, Rail. C. J. Ellis. 1,766,016; June 24.
 Brake for railway tank cars, Hand. R. W. Burnett. 1,778,752; Oct. 21.
 Brake for self-propelled vehicles, Antiskid. S. H. Bandla. 1,764,602; June 17.
 Brake for sleds. E. Kallenbach. 1,783,966; Dec. 9.
 Brake for sewing machines, Position. S. Koch. 1,774,978; Sept. 2.
 Brake for swiveled wheels. V. Bendix. 1,775,804; Sept. 16.
 Brake for trailers, Four-wheel hydraulic. J. Leuzinger. 1,774,022; Aug. 26.
 Brake for vehicles. I. H. Athey. 1,776,846; Sept. 30.
 Brake for vehicles. F. T. Burgess and C. W. Sewell. 1,762,758; June 10.
 Brake for vehicles. T. H. Richter. 1,773,120; Aug. 19.
 Brake for vehicles. L. Saives. 1,742,788; Jan. 7.
 Brake for vehicles, Back-up. J. A. Smith. 1,752,618; Apr. 1.
 Brake-hanger bracket. W. G. Powell. 1,749,157; Mar. 4.
 Brake-head connection. T. R. McGowan. 1,746,045; Feb. 4.
 Brake hook-up. J. Sneed. 1,770,816; July 15.
 Brake joint, Front-wheel-. R. Beringer. 1,746,212; Feb. 4.
 Brake lever. F. Schaefer. 1,769,756; July 1.
 Brake lever and lock, Emergency. J. Ratto. 1,784,750; Dec. 9.
 Brake lever and rod connection. R. E. McGahey. 1,747,875; Feb. 18.
 Brake-lever antirattler. F. G. Withrow. 1,779,153; Oct. 21.
 Brake lever assembly, Hand. S. B. Winn. 1,750,449; Mar. 11.
 Brake-lever connector body. L. L. Whitney. 1,753,455; Apr. 8.
 Brake levers to connecting rods, Attachment of. F. Schaefer. 1,751,661; Mar. 25.
 Brake lining. F. J. Eisenhardt. 1,771,749; July 29.
 Brake lining. R. J. Evans. 1,746,110; Feb. 4.
 Brake lining. R. J. Evans. 1,749,631; Mar. 4.
 Brake lining. F. C. Morris. 1,784,994; Dec. 16.
 Brake-lining composition. I. D. Eubanks. 1,775,389; Sept. 9.
 Brake-lining machine. J. B. Hird. 1,746,941; Feb. 11.
 Brake-lining machine. J. R. Lewis. 1,764,082; June 17.
 Brake-lining machine. A. O. Wisti. 1,750,144; Mar. 11.
 Brake-lining stretcher. J. B. Tripp, jr. 1,786,099; Dec. 23.
 Brake-lining tightener. G. Sheaffer. 1,750,056; Mar. 11.
 Brake linkage. J. Sneed. 1,746,058; Feb. 4.
 Brake-magnet control device. A. Peter. 1,774,760; Sept. 2.
 Brake mechanism. W. C. Barker. 1,783,104; Nov. 25.
 Brake mechanism. J. W. Batson. 1,749,624; Mar. 4.
 Brake mechanism. S. Beatty. 1,785,432; Dec. 16.
 Brake mechanism. Bernhard Jorgensen. 1,771,045; July 22.
 Brake mechanism. C. S. Bragg and V. W. Kliesrath. 1,779,528; Oct. 28.
 Brake mechanism. W. A. Christensen. 1,750,875; Mar. 18.
 Brake mechanism. S. H. Clapp. 1,753,362; Apr. 8.
 Brake mechanism. S. H. Clapp. 1,768,351; June 24.
 Brake mechanism. A. Y. Dodge. 1,765,350-1; June 17.
 Brake mechanism. A. Y. Dodge. 1,771,843; July 29.
 Brake mechanism. W. J. Geeson. 1,754,355; Apr. 15.
 Brake mechanism. A. Jansson. 1,750,755; Mar. 18.
 Brake mechanism. D. D. Levy. 1,779,630; Oct. 28.
 Brake mechanism. S. Mihaly. 1,745,502; Feb. 4.
 Brake mechanism. A. E. Minium. 1,785,203; Dec. 16.
 Brake mechanism. F. W. Piché. 1,782,176; Nov. 18.
 Brake mechanism. R. S. Sanford. 1,773,755; Aug. 26.
 Brake mechanism. R. S. Sanford. 1,776,954; Sept. 30.
 Brake mechanism. G. L. Smith. 1,771,969; July 29.
 Brake mechanism. A. Smith and R. M. Matson. 1,768,457; June 24.
 Brake mechanism. J. Sneed. 1,776,274; Sept. 23.
 Brake mechanism. L. K. Snell. 1,778,810; Oct. 7.
 Brake mechanism. R. Stein. 1,743,991; Jan. 14.
 Brake mechanism. M. Tibbetts. 1,766,849; June 24.
 Brake mechanism. H. L. F. Trevert. 1,785,057; Dec. 16.
 Brake mechanism. F. O. Vaughn. 1,786,970; Dec. 30.
 Brake mechanism. W. E. Wine. 1,768,183; June 24.
 Brake mechanism, Automobile. E. P. du Pont. 1,753,370; Apr. 8.
 Brake mechanism, Automobile. E. M. Matthews. 1,744,404; Jan. 21.
 Brake mechanism, Car-. L. M. Farrell. 1,742,242; Jan. 7.
 Brake mechanism for automobiles, Reverse-movement. W. S. Sample. 1,755,459; Apr. 22.
 Brake mechanism for automotive vehicles. N. A. Christensen. 1,779,875; Oct. 28.
 Brake mechanism for motor vehicles. L. P. Mooers. 1,750,936; Mar. 18.
 Brake mechanism for motor vehicles. J. W. Postel. 1,784,387; Dec. 9.
 Brake mechanism for railways cars. P. B. Camp. 1,781,805; Nov. 18.
 Brake mechanism for vehicles. E. C. Mogford. 1,744,790; Jan. 28.
 Brake mechanism for vehicles. B. Stockfleth and F. W. Burger. 1,759,963; May 27.
 Brake mechanism, Hydraulic. M. Loughead. 1,764,179; June 17.
 Brake mechanism, Hydraulic. C. C. Schmidt and J. L. Richter. 1,784,547; Dec. 9.

- Brake mechanism, Hydraulically-actuated. C. S. Bragg and V. W. Kliesrath. 1,781,868-9; Nov. 18.
- Brake mechanism, Motor-vehicle-. M. M. Innis and O. S. Ward. 1,781,843; Nov. 18.
- Brake mechanism, Track. G. Hannauer and E. M. Wilcox. 1,782,874; Nov. 25.
- Brake mechanism, Vehicle. N. A. Christensen. Re17,899; Dec. 9.
- Brake mechanism, Vehicle. R. L. Milton. 1,745,552; Feb. 4.
- Brake mechanism, Wheel-. N. A. Christensen. 1,777,462; Oct. 7.
- Brake mechanism, Wheel-. C. Sauzedde. 1,771,010-11; July 22.
- Brake mechanism with brake block for motor vehicles. E. Wiczorek. 1,781,993; Nov. 18.
- Brake member. R. J. Norton. 1,781,074; Nov. 11.
- Brake mounting for motor cycles, Front-wheel-. C. B. Franklin. 1,763,096; June 10.
- Brake operated by fluid pressure, Railway. A. and E. A. Anderberg. 1,748,821; Feb. 25.
- Brake-operating connection. A. Y. Dodge. 1,747,354; Feb. 18.
- Brake-operating device. B. S. Ferguson. 1,778,149; Oct. 14.
- Brake-operating device for motor vehicles. L. Rouanet. 1,750,904; Mar. 18.
- Brake-operating device for motor vehicles. L. Rouanet. 1,766,309; June 24.
- Brake-operating device for steering wheels. L. Rouanet. 1,766,359; June 24.
- Brake-operating means. V. Bendix. 1,776,410; Sept. 23.
- Brake-operating means. R. F. Kohr. 1,760,908; June 3.
- Brake-operating means. L. E. La Brie. 1,784,295; Dec. 9.
- Brake-operating means. R. S. Sanford. 1,762,699; June 10.
- Brake-operating mechanism. W. J. Andres. 1,771,832; July 29.
- Brake-operating mechanism. P. Bastien. Re17,888; Dec. 2.
- Brake-operating mechanism. V. Bendix and D. L. Gallup. 1,785,854; Dec. 23.
- Brake-operating mechanism. C. W. Collins. Re17,687; June 3.
- Brake-operating mechanism. E. Flanagan. 1,778,254; Oct. 14.
- Brake-operating mechanism. M. B. Jackson. 1,774,796; Sept. 2.
- Brake-operating mechanism. K. E. Lyman. 1,747,373; Feb. 18.
- Brake-operating mechanism. K. E. Lyman. 1,771,854; July 29.
- Brake-operating mechanism. A. Moorhouse. 1,766,923; June 24.
- Brake-operating mechanism. A. Moorhouse. 1,767,388; June 24.
- Brake-operating mechanisms, Winding device for. S. O. Taylor. 1,746,322; Feb. 11.
- Brake-operating system, Vehicle. G. L. Smith. 1,775,873; Sept. 16.
- Brake-pedal pressure gauge. H. H. Patton. 1,775,828; Sept. 16.
- Brake pedals, Pressure applying and indicating device for. F. B. McKinney and C. H. Allen. 1,760,602; May 27.
- Brake regulator for rotary drilling, Automatic. W. Brauer. 1,779,656; Oct. 28.
- Brake-resistance device for winding machines, Variable. J. A. Cameron. 1,787,104; Dec. 30.
- Brake rigging. J. W. Foyle. 1,772,941; Aug. 12.
- Brake-rigging device. E. E. Hewitt. 1,776,257; Sept. 23.
- Brake rigging for railway cars and the like. B. H. Browall. 1,750,566; Mar. 11.
- Brake rigging. Pin or bolt retainer for. W. T. Sparrow. 1,752,544; Apr. 1.
- Brake rim for rotary draw works, Air-cooled. B. N. Youngken. 1,763,078; June 10.
- Brake rod with removable bushing, Adjustable. J. F. Van Riper and M. Mulligan. 1,773,895; Aug. 26.
- Brake shoe. V. Bendix. 1,756,936; May 6.
- Brake shoe. W. M. Duncan. 1,749,760; Mar. 11.
- Brake shoe. J. H. Graham. 1,755,645; Apr. 22.
- Brake shoe. L. E. La Brie. 1,753,208; Apr. 8.
- Brake shoe. H. E. Maynard. 1,764,847; June 17.
- Brake shoe. M. W. McConkey. 1,756,985; May 6.
- Brake shoe. A. Nelson. 1,768,921; July 1.
- Brake shoe. E. Slade. 1,772,639; Aug. 12.
- Brake shoe adjusting apparatus, Automatic. R. Engels. 1,773,033; Aug. 12.
- Brake shoe for car retarders. W. K. Howe. 1,748,916; Feb. 25.
- Brake shoe for car retarders. W. K. Howe. 1,769,693; July 1.
- Brake shoe, Locomotive. E. Nagle. 1,752,686; Apr. 1.
- Brake-shoe stop, Adjustable. M. Loughhead. 1,774,985; Sept. 2.
- Brake-shoe structure. R. J. Norton. 1,785,969; Dec. 23.
- Brake shoes, Manufacture of. L. E. Long and S. Whitworth. 1,762,694; June 10.
- Brake structure. J. Sneed. 1,758,066; May 13.
- Brake structure. J. Sneed. 1,784,395; Dec. 9.
- Brake structure, Bull-wheel-. R. R. Bloss. 1,756,009; Apr. 22.
- Brake structure for caster wheels. H. P. Nielsen. 1,785,421; Dec. 16.
- Brake system. H. A. Davis. 1,760,543; May 27.
- Brake system. C. A. Ives. 1,756,922; Apr. 29.
- Brake system. C. A. Ives and G. Macloskie. 1,756,921; Apr. 29.
- Brake system. G. L. Smith. 1,752,209; Mar. 25.
- Brake system. G. L. Smith. 1,775,872; Sept. 16.
- Brake system, Fluid-pressure. H. J. Winter. 1,765,390; June 24.
- Brake system for automobiles. A. D. Pentz. 1,771,057; July 22.
- Brake system for railway rolling stock, Air-. G. W. Cowan. 1,764,152; June 17.
- Brake tester. F. S. Rode. 1,759,714; May 20.
- Brake-testing apparatus. H. Morgan. 1,779,945; Oct. 28.
- Brake-testing apparatus. C. F. Smith. 1,746,718; Feb. 11.
- Brake-testing apparatus. C. F. Smith. 1,756,666; Apr. 29.
- Brake-testing apparatus. M. R. Zechlin. 1,775,541; Sept. 9.
- Brake-testing device. W. J. Pine. 1,765,738; June 24.
- Brake testing device for automobiles. C. F. Cowdrey. Re17,677; May 27.
- Brake-testing devices, Attaching means for. D. P. Owens. 1,763,564; June 10.
- Brake-testing machine. E. P. Bewley. 1,785,243; Dec. 16.
- Brake-testing machine. P. J. Donovan. 1,755,287; Apr. 22.
- Brake-testing machine. R. Z. Hopkins, A. E. Fellers, and G. T. Davey. 1,769,432; July 1.
- Brake-testing machine, Automobile. C. F. Cowdrey. 1,767,348; June 24.
- Braking and apparatus therefor. C. F. Chisholm. 1,781,437; Nov. 11.
- Braking apparatus for motor vehicles. M. Loughhead. 1,764,177; June 17.
- Braking apparatus, Hydraulic. M. Charles. 1,776,488; Sept. 23.
- Braking apparatus, Hydraulic. W. G. Price. 1,782,663; Nov. 25.
- Braking apparatus, Railway. H. L. Bone. 1,750,345; Mar. 11.
- Braking apparatus, Railway. H. L. Bone. 1,777,635-6; Oct. 7.
- Braking apparatus, Railway. W. C. McWhirter and H. S. Loomis. 1,764,804; June 17.
- Braking device. C. M. Lutz and W. M. Pauke. 1,748,023; Feb. 18.
- Braking device. J. Sneed. 1,776,934; Sept. 30.
- Braking device for power vehicles, Electrically-controlled. G. Kellner. 1,766,078; June 24.
- Braking mechanism, Automobile. W. H. Furness, and S. F. Hansell. 1,743,128; Jan. 14.
- Braking mechanism for automobiles and other motor or power driven vehicles. G. R. Hoffman. 1,787,377; Dec. 30.
- Braking mechanism for motor vehicles. H. E. Curtis. 1,781,443; Nov. 11.
- Braking mechanism for railway vehicles. A. Maslon. 1,779,776; Oct. 28.
- Braking mechanism for vehicles. R. M. Lovejoy. 1,780,023; Oct. 28.
- Braking method and apparatus, Hydraulic. W. G. Price. 1,766,540; June 24.
- Braking of wheels. A. Y. Dodge. 1,749,022; Mar. 4.
- Braking system. L. E. La Brie. 1,781,112; Nov. 11.
- Braking system, Aeroplane. R. W. Hilton. 1,775,039; Sept. 2.
- Braking system for motor vehicles. G. H. Taber. 1,770,558; July 15.
- Braking system for motor vehicles, Hydraulic. G. E. A. Hallett. 1,768,355; June 24.
- Braking system for single-phase electric railway locomotives, Regenerative. F. Prantl, W. Luthi, and E. Schroeder. 1,766,533; June 24.
- Braking system for vehicles. B. Lormüller. 1,774,836; Sept. 2.
- Brakes and the like, Electrohydraulic system for elevator. H. B. Goldman. 1,778,317; Oct. 14.
- Brakes, Apparatus for testing. S. Karrer. 1,746,777; Feb. 11.
- Brakes, Equalizing system for four-wheel. B. Carlin. 1,785,179; Dec. 16.
- Brakes, friction clutches, and the like, Friction block for. H. C. Georgi. 1,754,676; Apr. 15.
- Brakes, Lubricant guard for. R. S. Sanford and O. B. Clark. 1,756,995; May 6.
- Brakes, Metallic shoe for fluid-pressure-operated. B. A. Linderman. 1,780,200; Nov. 4.
- Brakes of motor vehicles, Device for actuating the. K. Maybach. 1,743,367; Jan. 14.
- Brakes, Operating means for. H. W. C. Liddlard. 1,769,849; July 1.
- Brakes or the like, Mechanism for controlling. R. S. Gans. 1,758,694; May 13.
- Brakes, Releasing device for air. P. E. Fulwider. 1,773,987; Aug. 26.
- Brakes, Safety device for. E. Bugatti. 1,744,748; Jan. 28.
- Brakes, Servo-motor for. D. G. Duty and R. P. Skerritt. 1,765,760; June 24.
- Branch connector for fibrous conduits. H. Parker. 1,765,999; June 24.
- Brander, Pork-join. C. P. Cook. 1,781,367; Nov. 11.
- Branding iron. C. Sponsel. 1,779,452; Oct. 28.
- Brassière. M. A. Bollwine. 1,766,278; June 24.

- Brassière. H. H. Cox. 1,771,917; July 29.
 Brassière. B. Lustgarten. 1,782,044; Nov. 18.
 Brassière. B. McDaniel. 1,749,294; Mar. 4.
 Brassière corset. M. R. L. Strocker. 1,774,574; Sept. 2.
 Brassière for bathing suits. A. J. Barnett. 1,749,966; Mar. 11.
 Brass-truing machine. E. J. McKernan. 1,751,214; Mar. 18.
 Brass wind instrument. E. K. Blessing. 1,744,519; Jan. 21.
 Brattice. V. T. Berner. 1,766,324; June 24.
 Brazing rod. A. R. Lytle. 1,764,571; June 17.
 Bread box. C. March. 1,760,761; May 27.
 Bread box. S. A. Schlosberg. Des. 81,157; May 13.
 Bread container. L. R. Wilson, and M. F. Scully. 1,773,608; Aug. 19.
 Bread, Manufacture of. J. Matti. 1,750,720; Mar. 18.
 Bread-roll-filling machine. D. Estrin. 1,777,830; Oct. 7.
 Bread-slicing machine. A. Tewes. 1,784,397; Dec. 9.
 Bread-wrapping machines, Pressure-arm attachment for. J. L. Long and R. Owen. 1,758,754; May 13.
 Breakage-indicating mechanism for warping machines and the like. W. Reiners and G. Kahlisch. 1,765,881; June 24.
 Breaker mechanism. J. C. Baker. 1,780,415; Nov. 4.
 Breaking and separating, Method of and apparatus for. E. S. Penley. 1,771,734; July 29.
 Breakfast-nook bench. G. A. Simons and G. Freeberg. Des. 82,589; Nov. 18.
 Breast drill. F. E. Farley. 1,770,884; July 15.
 Breast lifter for gins. J. Behle. 1,785,109; Dec. 16.
 Breathing apparatus. J. D. Voss. 1,763,492; June 10.
 Breathing attachment. C. J. Rodman. 1,764,350; June 17.
 Breeches, Lady's. K. J. Bernstein. 1,754,595; Apr. 15.
 Breeches leg, Adjustable riding. J. K. Hicks. 1,750,595; Mar. 11.
 Breeches, Riding. M. Cowen. 1,771,916; July 29.
 Breeches, Riding. J. A. Lieberman and S. Caplin. 1,746,951; Feb. 11.
 Breeding appliance. C. F. Gilbert. 1,747,702; Feb. 18.
 Brewing waters, Improving. E. Jalowetz. 1,755,544; Apr. 22.
 Brick. S. S. Lane. 1,771,302; July 22.
 Brick and the like, Composition and manufacture of refractory basic. C. S. Garnett. 1,751,234; Mar. 18.
 Brick, Checker. C. W. Andrews. 1,771,242; July 22.
 Brick, Checker. W. W. Odell. 1,745,113; Jan. 28.
 Brick column forming process and apparatus. C. H. Reker. 1,775,735; Sept. 16.
 Brick, Composite refractory. J. D. Morgan. 1,769,708; July 1.
 Brick construction, Fire-. H. Heitman. 1,754,015; Apr. 8.
 Brick crate. E. W. Ostrander. 1,774,839; Sept. 2.
 Brick edger. G. E. Luce. 1,746,664; Feb. 11.
 Brick for firebox arches, Side. J. E. Muhlfeld. 1,760,431; May 27.
 Brick-forming machine. J. Simons. 1,755,566; Apr. 22.
 Brick-handling apparatus. G. E. Luce. 1,765,765; June 24.
 Brickkiln, Forming. A. J. Therrien. 1,773,827; Aug. 26.
 Bricklayer device, Mechanical. A. A. Guerini. 1,764,836; June 17.
 Bricklaying machine. F. C. Layer. 1,786,622; Dec. 30.
 Brick, Locomotive arch. A. F. Becker. 1,755,682; Apr. 22.
 Brick machine. R. I. McCarty. 1,751,870; Mar. 25.
 Brick machine, Automatic. J. P. Martin. 1,779,136; Oct. 21.
 Brick machines, Pallet-laying device for. H. W. Brainerd. 1,742,845; Jan. 7.
 Brickmaking machine. R. P. M. Davis. 1,766,285-6; June 24.
 Brickmaking machine. R. P. M. Davis. 1,779,209; Oct. 21.
 Brickmaking machine. A. Johnson. 1,779,213; Oct. 21.
 Brickmaking machine and method. H. Hilgendorf. 1,783,287; Dec. 2.
 Brick, Method of and automatic means for hacking. R. C. Penfield. 1,760,993; June 3.
 Brick mold. J. A. Crowell. 1,756,146; Apr. 29.
 Brick or block for regenerators. K. Knepert. 1,753,467; Apr. 8.
 Brick press. L. D. Oliver. 1,742,555; Jan. 7.
 Brick, Refractory. A. J. Jackman. 1,775,396; Sept. 9.
 Brick-setting machine. H. B. Crum. 1,745,743; Feb. 4.
 Brick-veneering machine. E. A. Stewart. 1,771,660; July 29.
 Brick, Vertical fiber grooved-lub paving. J. N. Porter. 1,785,976; Dec. 23.
 Brick-wall construction. E. M. Wyatt. 1,768,651; July 1.
 Bricks and like materials, Impregnating. A. J. Stoffels and T. van der Wissel. 1,784,164; Dec. 9.
 Bricks, Apparatus for handling. E. T. Judson. 1,763,657; June 17.
 Bricks, Making. W. B. Alcorn. 1,757,229; May 6.
 Bricks, Making. A. J. Therrien. 1,757,786; May 6.
 Bricks, Manufacturing. A. Bonnington. 1,758,026; May 13.
 Bricks, Producing sand-lime. H. W. Charlton. 1,745,601; Feb. 4.
 Bridge. J. B. Strauss. 1,778,234; Oct. 14.
 Bridge-building apparatus. V. B. Edwards and G. F. Wolfe. 1,785,023; Dec. 16.
 Bridge for an eyeglass frame. A. Kosh. Des. 82,035; Sept. 16.
 Bridge for an eyeglass mounting. E. J. R. Beattey. Des. 80,603; Mar. 4.
 Bridge for an eyeglass mounting. E. J. R. Beattey. Des. 81,429; June 24.
 Bridge for an ophthalmic mounting. N. M. Baker. Des. 80,254-5; Jan. 7.
 Bridge for steam-engine exhaust nozzles. A. R. Ayers. 1,760,576; May 27.
 Bridge for stringed musical instruments. F. Gosparlin. 1,783,117; Nov. 25.
 Bridge, Lift. R. E. Dodge. 1,765,407; June 24.
 Bridge member for an optical mounting. W. P. Glintenkamp. Des. 81,133; May 13.
 Bridge member for an optical mounting. W. P. Glintenkamp. Des. 82,550; Nov. 18.
 Bridge, Overhead traveling. E. T. Bennington. 1,764,144; June 17.
 Bridge, Reinforced-concrete. B. Bauer. 1,764,494; June 17.
 Bridge-score indicator. H. R. and A. A. Thomas. Des. 80,585; Feb. 25.
 Bridge, Sidewalk. P. J. Cannon. 1,746,027; Feb. 4.
 Bridge structure. P. E. Hunter. 1,765,488; June 24.
 Bridge, Transfer or float. J. B. French. 1,778,667; Oct. 14.
 Bridge, Trolley. R. H. Gregor. 1,783,710; Dec. 2.
 Bridge-warning indicator. H. R. Campbell. 1,781,675; Nov. 18.
 Bridging. W. E. White. 1,758,678; May 13.
 Bridle, Lead. T. Mulcahy. 1,746,403; Feb. 11.
 Brief bag. B. Trager. 1,768,496; June 24.
 Brief case. C. Schell. Des. 82,349; Oct. 21.
 Brief case. L. Stein. 1,752,310; Apr. 1.
 Brine and erosion control for railroads. R. E. Wing. 1,760,099; May 27.
 Brine cooler. C. A. Moore. 1,762,519; June 10.
 Brine cooler. G. H. White. 1,776,483; Sept. 23.
 Brine-mixing apparatus. A. Fazio. 1,755,437; Apr. 22.
 Brine-tank evaporation unit. J. Karmazin. 1,780,930; Nov. 11.
 Brining machine. J. J. Barry. 1,783,898; Dec. 2.
 Brines toward iron and steel, Inhibiting corrosive effect of. O. V. Martin. 1,750,761; Mar. 18.
 Briquette. R. T. Goodwin. 1,749,378; Mar. 4.
 Briquetting machine. A. K. Nowak and R. W. Dinzi. 1,786,167; Dec. 23.
 Briquettes, Producing carbonized. C. V. McIntire. 1,772,189; Aug. 5.
 Bristle tester. F. W. Schneider. 1,783,455; Dec. 2.
 Bristles from furs, Device for removing. G. A. Zeumer. 1,742,745; Jan. 7.
 Bristles of brushes, Device for pointing. R. Izawa. 1,746,593; Feb. 11.
 Broach, Sectional. A. Forberg. 1,744,217; Jan. 21.
 Broaching machine. C. W. Eggenweiler. 1,749,761; Mar. 11.
 Broaching machine. C. W. Eggenweiler and W. J. Fiegel. 1,772,801; Aug. 12.
 Broaching machine, Hydraulic. F. J. La Pointe. 1,781,114; Nov. 11.
 Broadcast distribution, Polyphase. E. E. Clement. 1,754,882; Apr. 15.
 Broadcast system, Multiplex. E. R. Taylor. 1,772,166; Aug. 5.
 Broadcast system, Multiplex. E. R. Taylor and O. B. Hanson. 1,772,165; Aug. 5.
 Broadcasting system, Common-frequency. E. I. Green. 1,751,516; Mar. 25.
 Broadcasting system, Multiplex. E. R. Taylor and O. B. Hanson. 1,772,168; Aug. 5.
 Broiler. C. M. Dibble. 1,751,726; Mar. 25.
 Broiler. C. M. Dibble. 1,783,183; Dec. 2.
 Broiler and toaster. E. S. Parker. 1,745,340; Jan. 28.
 Broiler and toaster. Y. Tanaki. 1,748,741; Feb. 25.
 Broiler, Electric. P. R. Seamon. 1,751,219; Mar. 18.
 Broiler for ranges. W. D. Antrim. 1,779,304; Oct. 21.
 Broiler pan. C. A. Luther. 1,769,149; July 1.
 Broiler rack. M. C. Reck. 1,753,719; Apr. 8.
 Broiler, Revolving. G. Soylian. 1,762,035; June 3.
 Broiler, Steak. R. E. Galer. 1,746,698; Feb. 11.
 Broiling machine. F. R. Belluche. 1,744,608; Jan. 21.
 Bronzing machines, Attachment for. E. E. Radloff and A. W. Janke. 1,782,881; Nov. 25.
 Brooch clasp. R. Anderson. 1,779,957; Oct. 28.
 Brooch or similar article. A. Bleich. Des. 80,432; Feb. 4.
 Brooch or similar article. B. Mechlovits. Des. 80,283-4; Jan. 7.
 Brooch or similar article. B. Mechlovits. Des. 80,387; Jan. 21.
 Brooch or similar article. B. Mechlovits. Des. 82,171; Sept. 30.
 Brooch or similar article. B. Mechlovits. Des. 82,278; Oct. 14.
 Brooch or similar article. B. Mechlovits. Des. 82,576-7; Nov. 18.
 Brooder. L. Hawkins. 1,779,362; Oct. 21.
 Brooder. C. Siebring. 1,743,402; Jan. 14.
 Brooder and heating means thereof. O. E. Longtin. 1,771,412; July 29.
 Brooder, Coal-burning. W. D. Harvey. 1,758,155; May 13.
 Brooder house. E. C. Dickey. 1,753,082; Apr. 1.
 Brooder, Oil-burning. D. B. Tolley. 1,749,990; Mar. 11.

- Brooder, Poultry. G. R. Shoup and G. E. Quinan. 1,755,520; Apr. 22.
 Broom. F. J. Blood. 1,761,101; June 3.
 Broom. W. G. Manning. 1,770,413; July 15.
 Broom. G. W. Manning. 1,774,283; Aug. 26.
 Broom. W. B. Rupe. 1,764,527; June 17.
 Broom. J. F. Timberlake. 1,756,404; Apr. 29.
 Broom and mop, Adjustable combination. M. Koizumi. 1,778,325; Oct. 14.
 Broom construction. L. Lauber. 1,764,876; June 17.
 Broom handle bracket, Push-. F. Schweigert. 1,785,564; Dec. 16.
 Broom, Hearth. G. A. Hancock. Des. 82,823; Dec. 16.
 Broom or the like. S. G. Russell, E. L. Buchanan, and R. R. Potter. 1,749,987; Mar. 11.
 Broom protector. J. S. Chester. 1,755,052; Apr. 15.
 Broom rake. W. Withington. Re17,606; Feb. 25.
 Broom rake. W. Withington. 1,772,571; Aug. 12.
 Brooms, Scraper-blade attachment for. H. S. Johns. 1,760,648; May 27.
 Brush. F. O. Anderson. 1,759,216; May 20.
 Brush. W. E. Becker. 1,766,870; June 24.
 Brush. J. Buchmann. 1,780,221; Nov. 4.
 Brush. F. E. Castle. 1,777,516; Oct. 7.
 Brush. P. A. Cross. 1,767,349; June 24.
 Brush. W. B. Knox. 1,768,695; July 1.
 Brush. J. Kovács. 1,766,388; June 24.
 Brush. A. H. Hatchett, sr. 1,783,788; Dec. 2.
 Brush. J. F. Palmer. 1,771,189; July 22.
 Brush. F. E. Schmidt. 1,770,344; July 8.
 Brush. F. Tourtois. 1,773,651; Aug. 19.
 Brush. E. R. Wagner. 1,758,632; May 13.
 Brush. S. E. Wallace. 1,768,968; July 1.
 Brush, Air. R. W. Tracy. 1,786,394; Dec. 23.
 Brush and holder, Striping. S. B. Robinette. 1,744,577; Jan. 21.
 Brush and holder therefor, Contact. N. D. Levin. 1,757,203; May 6.
 Brush and the like, Air. J. A. Paasche. 1,770,164; July 8.
 Brush and the like, Air. J. A. Paasche. 1,777,650; Oct. 7.
 Brush attachment. C. J. and R. M. Brooks. 1,759,091; May 20.
 Brush attachment, Removable. E. F. Martinet. 1,770,668; July 15.
 Brush body of metal. K. Bayer. 1,742,192; Jan. 7.
 Brush burner. H. C. Hensel. 1,774,005; Aug. 26.
 Brush, Carding. B. D. Goldberg. 1,748,950; Mar. 4.
 Brush, comb. and mirror, Combination. C. Hagen. 1,757,999; May 13.
 Brush, Combined massage and bath. G. Edwards. 1,746,075; Feb. 4.
 Brush, Commutator. A. C. Wood. 1,757,696; May 6.
 Brush connection, Shower-bath. L. C. Kellogg. 1,748,774; Feb. 25.
 Brush, Corner. H. Cave and C. F. Smith. 1,749,733; Mar. 4.
 Brush, Current-collecting. C. Hansen and H. S. Ellison. 1,785,483; Dec. 16.
 Brush, Dental. J. B. Dargavel. 1,744,365; Jan. 21.
 Brush, Dusting. N. Salvucci. 1,767,313; June 24.
 Brush, Floor. H. Cave. 1,749,737; Mar. 4.
 Brush, Floor. H. J. Holtje. 1,779,316; Oct. 21.
 Brush for automobile wheels and fenders, Cleaning. N. Ovtshenikoff. 1,742,929; Jan. 7.
 Brush for barbers. J. Arico. 1,757,650; May 6.
 Brush for bottle-washing machines. Z. Milos and K. Markovich. 1,748,241; Feb. 25.
 Brush for cotton gin. W. C. Torbett. 1,769,869; July 1.
 Brush for electric motors. A. E. Oswald. 1,743,682; Jan. 14.
 Brush for the supply of electric current. C. Kuhnelt. 1,770,617; July 15.
 Brush, Fountain. A. B. Carlson. 1,775,235; Sept. 9.
 Brush, Fountain. J. Flockhart. 1,785,732; Dec. 23.
 Brush, Fountain. M. Soss. 1,760,018; May 27.
 Brush, Fountain. P. W. Stephens. 1,748,370; Feb. 25.
 Brush, Fountain. C. H. Struble and S. W. Hall. 1,746,685; Feb. 11.
 Brush, Fountain shaving. A. C. Russell. 1,763,905; June 17.
 Brush, Fountain tooth. R. W. Vardeman. 1,764,130; June 17.
 Brush guard. C. Pistorius. 1,769,233; July 1.
 Brush handle or the like. O. D. Earon. Des. 81,088; May 6.
 Brush holding and cleaning device. H. I. Orkin. 1,748,789; Feb. 25.
 Brush lifter for electric motors. G. R. Anderson. 1,764,709; June 17.
 Brush-lifting mechanism for electric motors and the like. G. H. Leland. 1,756,692; Apr. 29.
 Brush-making machine. A. E. Mueller. 1,765,769; June 24.
 Brush-making machine. E. B. Page. 1,752,926; Apr. 1.
 Brush-making machine. C. F. Shultz. 1,780,278; Nov. 4.
 Brush-making machine. T. L. Stroud. 1,759,068; May 20.
 Brush means for vacuum cleaners. I. J. Owen. 1,745,863; Feb. 4.
 Brush or the like, Plasterer's. J. T. Cook. 1,780,340; Nov. 4.
 Brush, Polishing. F. N. Lunkenheimer. 1,767,766; June 24.
 Brush, Rotary. J. S. McCauley. 1,743,898; Jan. 14.
 Brush, Rotary. G. Narducci. 1,766,140; June 24.
 Brush, Rotary. B. E. Scanlan. 1,774,067; Aug. 26.
 Brush, Rotary. J. B. Smith. 1,750,062; Mar. 11.
 Brush, Scalp-treating. W. A. Taylor. 1,763,832; June 17.
 Brush, Shaving. S. Beck. 1,749,309; Mar. 4.
 Brush, Shaving. M. C. Blondin. 1,786,224; Dec. 23.
 Brush, Shaving. H. J. Brownsberger and H. E. McConnell. 1,756,811; Apr. 29.
 Brush, Shaving. J. C. Coady. 1,769,206; July 1.
 Brush, Shaving. W. A. Dillon and C. O. Weingand. 1,762,616; June 10.
 Brush, Shaving. J. A. D. Watt. 1,749,052; Mar. 4.
 Brush, Soap-dispensing shaving. A. F. Stepelton. 1,783,754; Dec. 2.
 Brush, Spray. C. O. Newlin. 1,781,763; Nov. 18.
 Brush structure. H. Cave. 1,749,732; Mar. 4.
 Brush structure. J. J. Thacher. 1,749,744; Mar. 4.
 Brush, Vacuum. W. J. Amstutz. 1,786,384; Dec. 23.
 Brush, Vacuum-cleaner. R. Bass. 1,742,375; Jan. 7.
 Brush with electrical drive, Floor. A. Giambertoni. 1,770,643; July 15.
 Brushes, Apparatus for making backs for. C. W. Maguire. 1,746,043; Feb. 4.
 Brushes, Massage attachment for shaving. F. Dietrichson. 1,760,747; May 27.
 Bubble cap. J. E. Kobernik. 1,776,033; Sept. 16.
 Bubble cap and downflow, Combination. V. F. Grace. 1,744,543; Jan. 21.
 Bubble cap, Duplex. J. E. Kobernik. 1,776,032; Sept. 16.
 Bubble cap for gas and liquid contact apparatus. C. M. Alexander. 1,777,869; Oct. 7.
 Bubble tower. E. E. Bartels. 1,770,725; July 15.
 Bubble tower. P. J. Sweeney. 1,770,221; July 8.
 Bubbler tip. F. A. Bicknell and J. F. Best. 1,774,193; Aug. 26.
 Buck and jamb, Combined. I. A. Baum. 1,744,730; Jan. 28.
 Bucket. H. J. Brendlin. 1,772,624; Aug. 12.
 Bucket and equipment for carrying same. E. Tröfthen. 1,753,073; Apr. 1.
 Bucket carrier. E. N. Burrows. 1,744,103; Jan. 21.
 Bucket, Clamshell. T. Carlson. 1,760,812; May 27.
 Bucket, Clamshell. H. E. Dunkelberger and N. Winters. 1,770,915; July 22.
 Bucket, Clamshell. P. T. Robin. 1,748,586; Feb. 25.
 Bucket cleaner. C. L. George. 1,764,949; June 17.
 Bucket cleaner for trenching machines. C. F. Yocum. 1,744,853; Jan. 28.
 Bucket, Cupola. O. L. Coffey. 1,765,348; June 17.
 Bucket, Cupola-charging. J. M. Rohlfing. 1,762,797; June 10.
 Bucket discharge mechanism, Skip. R. H. Beaumont. 1,781,211; Nov. 11.
 Bucket, Drag. L. E. Younie. 1,751,967; Mar. 25.
 Bucket, Drag-line. H. L. Mitchell. 1,767,691; June 24.
 Bucket, Dumping. G. C. Dunham. 1,776,621; Sept. 23.
 Bucket elevator. W. L. Hancock. 1,746,649; Feb. 11.
 Bucket excavator. E. P. Shnable. 1,752,510; Apr. 1.
 Bucket for concrete mixers, Loader. J. P. Faber. 1,767,443; June 24.
 Bucket, Grab. D. W. Coe. 1,761,778; June 3.
 Bucket, Grab. R. W. Kaltenbach. 1,763,790; June 17.
 Bucket, Grease. C. G. Butler. 1,754,874; Apr. 15.
 Bucket, Hoisting. I. W. Macy. 1,772,777; Aug. 12.
 Bucket, Minnow. R. S. Gilmore. 1,745,012; Jan. 28.
 Bucket or grapple. H. S. Atkinson. 1,762,946; June 10.
 Bucket, Sink. J. Hartman. 1,765,267; June 17.
 Bucket-tooth mounting. E. L. Harrington. 1,743,890; Jan. 14.
 Bucket, Well. K. E. Little. 1,743,973; Jan. 14.
 Buckets, Attachment for paint. H. Sill. 1,760,722; May 27.
 Bucking machine for football players. E. E. Brett. 1,762,435; June 10.
 Buckle. W. F. Arndt. 1,764,670; June 17.
 Buckle. M. Belloch. 1,759,639; May 20.
 Buckle. D. W. Coultas. Des. 82,727; Dec. 9.
 Buckle. S. W. Critchley. 1,772,886; Aug. 12.
 Buckle. C. J. Dahlgren. 1,748,382; Feb. 25.
 Buckle. J. B. Freysinger. Des. 80,414-15; Jan. 28.
 Buckle. J. B. Freysinger. Des. 80,482; Feb. 11.
 Buckle. J. B. Freysinger. Des. 81,781-2; Aug. 12.
 Buckle. J. B. Freysinger. Des. 81,923-4; Sept. 2.
 Buckle. J. D. Freysinger. Des. 81,972; Sept. 9.
 Buckle. W. E. Hatheway. 1,774,057; Aug. 26.
 Buckle. J. R. La Vigne. Des. 81,138; May 13.
 Buckle. W. H. McKinney, Jr. 1,778,366; Oct. 14.
 Buckle. G. J. Meisel and B. Sklerov. Des. 81,062; Apr. 29.
 Buckle. W. J. Morse. Des. 81,199; May 20.
 Buckle. W. L. Myers. Des. 80,423; Jan. 28.
 Buckle. W. L. Myers. Des. 80,451; Feb. 4.
 Buckle. W. L. Myers. Des. 80,539; Feb. 18.
 Buckle. W. L. Myers. Des. 80,693; Mar. 11.
 Buckle. W. L. Myers. Des. 80,851; Apr. 1.
 Buckle. W. L. Myers. Des. 81,105; May 6.
 Buckle. W. L. Myers. Des. 81,144; May 13.
 Buckle. W. L. Myers. Des. 81,253; May 27.
 Buckle. L. Nelson. Des. 80,660; Mar. 4.
 Buckle. H. Ostrower. 1,775,137; Sept. 9.
 Buckle. G. A. Pastore. Des. 81,720; July 29.
 Buckle. G. A. Pastore. Des. 81,991; Sept. 9.
 Buckle. J. Reichel and L. Barnett. 1,744,501; Jan. 21.
 Buckle. T. S. Spear. 1,781,709; Nov. 18.
 Buckle. L. L. White. 1,745,965; Feb. 4.

- Buckle. T. H. Wightman. Des. 80,346-7; Jan. 14.
 Buckle. T. H. Wightman. Des. 81,564; July 8.
 Buckle. T. H. Wightman. Des. 81,610; July 15.
 Buckle. T. H. Wightman. Des. 82,010; Sept. 9.
 Buckle and button loop, Combined. W. M. Hueseman. 1,759,944; May 27.
 Buckle and container, Combined belt. J. B. Withers. 1,753,765; Apr. 8.
 Buckle, Apparel. L. Frank. Des. 82,810-20; Dec. 16.
 Buckle, Apparel. A. H. Kerngood. Des. 82,829-36; Dec. 16.
 Buckle, Belt. I. S. Berger. 1,779,224; Oct. 21.
 Buckle, Belt. C. H. Burnett. 1,752,414; Apr. 1.
 Buckle, Belt. W. M. Dolke. 1,761,520; June 3.
 Buckle, Belt. F. Hirsh. Des. 81,389; June 17.
 Buckle, Belt. C. Horix. 1,775,722-3; Sept. 16.
 Buckle, Belt. H. C. Kuhnheim. 1,753,864; Apr. 8.
 Buckle, Belt. J. A. Mendosa. 1,763,100; June 10.
 Buckle, Belt. E. S. Mix. 1,779,635; Oct. 28.
 Buckle, Belt. C. S. Nichols and W. M. Jordan. 1,763,981; June 17.
 Buckle, Belt. A. Rosenberg. 1,784,794; Dec. 9.
 Buckle, Belt. O. E. Wardner. Des. 80,470; Feb. 4.
 Buckle, Clothing. E. L. Heffrin. 1,778,388; Oct. 14.
 Buckle device. M. F. Carr. 1,755,592; Apr. 22.
 Buckle for garters, Webbing. J. B. Russ. 1,757,845; May 6.
 Buckle for harness, Backstrap. H. E. Hastings. 1,772,831; Aug. 12.
 Buckle, Garment. S. Y. Reuter. 1,769,753; July 1.
 Buckle, Harness. A. L. Garriss. 1,754,313; Apr. 15.
 Buckle, Knicker. M. Carfagno. 1,764,547; June 17.
 Buckle, Loop. J. Salisbury. 1,775,094; Sept. 9.
 Buckle or similar article. T. H. Wightman. Des. 80,297; Jan. 7.
 Buckle or similar article. T. H. Wightman. Des. 80,594; Feb. 25.
 Buckle or similar article, Beaded shoe. M. Mann. Des. 80,328-9; Jan. 14.
 Buckle or the like, Suspender. L. W. Shields. Des. 81,075; Apr. 29.
 Buckle or the like, Suspender. L. W. Shields. Des. 81,112; May 6.
 Buckle or the like, Suspender. H. C. Vaisey. Des. 81,118; May 6.
 Buckle or the like, Suspender. H. C. Vaisey. Des. 81,214; May 20.
 Buckle, Prong. J. Salisbury. 1,778,814; Oct. 21.
 Buckle, Shoe. C. W. Brigham. Des. 82,873-6; Dec. 23.
 Buckle, Shoe. C. G. King. Des. 81,482-3; July 1.
 Buckle, Shoe. C. G. King. Des. 81,587-8; July 15.
 Buckle, Shoe. C. G. King. Des. 81,651-2; July 22.
 Buckle, Shoe. C. G. King. Des. 82,328-30; Oct. 21.
 Buckle, Shoe. C. G. King. Des. 82,432; Nov. 4.
 Buckle, Shoe. C. G. King. Des. 82,893; Dec. 23.
 Buckle, Shoe. C. G. King and R. C. Gibbs. 1,761,834; June 3.
 Buckle, Shoe. G. H. Pulsifer. Des. 81,073; Apr. 29.
 Buckle, Shoe. O. R. Recchia. Des. 80,966-70; Apr. 15.
 Buckle, Shoe. O. R. Recchia. Des. 81,455-9; June 24.
 Buckle, Shoe. O. R. Recchia. Des. 81,502; July 1.
 Buckle, Shoe. O. R. Recchia. Des. 81,550; July 8.
 Buckle, Shoe. O. R. Recchia. Des. 81,595-7; July 15.
 Buckle, Shoe. O. R. Recchia. Des. 81,888; Aug. 26.
 Buckle, Shoe. O. R. Recchia. Des. 81,901; Aug. 26.
 Buckle, Shoe. O. R. Recchia. Des. 81,940; Sept. 2.
 Buckle, Shoe. O. R. Recchia. Des. 82,177; Sept. 30.
 Buckle, Shoe. O. R. Recchia. Des. 82,344-6; Oct. 21.
 Buckle, Shoe. O. R. Recchia. Des. 82,391; Oct. 28.
 Buckle, Shoe. O. R. Recchia. Des. 82,520; Nov. 11.
 Buckle, Shoe. O. R. Recchia. Des. 82,906-8; Dec. 23.
 Buckle, Shoe. S. M. Riker. Des. 80,424-5; Jan. 28.
 Buckle, Shoe. S. M. Riker. Des. 80,454-5; Feb. 4.
 Buckle, Shoe. S. M. Riker. Des. 80,503-6; Feb. 11.
 Buckle, Shoe. S. M. Riker. Des. 80,633-37; Mar. 4.
 Buckle, Shoe. S. M. Riker. Des. 80,805-7; Mar. 25.
 Buckle, Shoe. S. M. Riker. Des. 80,910; Apr. 8.
 Buckle, Shoe. S. M. Riker. Des. 81,020; Apr. 22.
 Buckle, Shoe. S. M. Riker. Des. 81,108; May 6.
 Buckle, Shoe. S. M. Riker. Des. 81,152-4; May 13.
 Buckle, Shoe. S. M. Riker. Des. 81,598; July 15.
 Buckle, Shoe. S. M. Riker. Des. 82,057; Sept. 16.
 Buckle, Shoe. S. M. Riker. Des. 82,694-7; Dec. 2.
 Buckle, Shoe. S. M. Riker. Des. 82,699-702; Dec. 2.
 Buckle, Shoe. S. M. Riker. Des. 82,848-9; Dec. 16.
 Buckle, Shoe. S. M. Riker. 1,755,306; Apr. 22.
 Buckle, Shoe. W. E. Smith. Des. 80,544-51; Feb. 18.
 Buckle, Shoe. W. E. Smith. Des. 81,076-7; Apr. 29.
 Buckle, Shoe. W. E. Smith. Des. 81,113-16; May 6.
 Buckle, Shoe. W. E. Smith. Des. 81,162-5; May 13.
 Buckle, Shoe. W. E. Smith. Des. 81,412-14; June 17.
 Buckle, Shoe. W. E. Smith. Des. 81,417; June 17.
 Buckle, Shoe. W. E. Smith. Des. 81,504-5; July 1.
 Buckle, Shoe. W. E. Smith. Des. 81,559; July 8.
 Buckle, Shoe. W. E. Smith. Des. 81,600; July 15.
 Buckle, Shoe. W. E. Smith. Des. 81,670; July 22.
 Buckle, Shoe. W. E. Smith. Des. 81,945; Sept. 2.
 Buckle, Shoe. W. E. Smith. Des. 82,399; Oct. 28.
 Buckle, Slide. J. H. Domkee. 1,762,263; June 10.
 Buckle, Slide. J. H. Domkee. 1,776,493; Sept. 23.
 Buckle, Slide. R. J. Hodge. 1,775,097; Sept. 9.
 Buckle, Strap. C. F. Lemcke. 1,770,704; July 15.
 Buckle, Tongueless. J. K. Stickling. 1,747,401; Feb. 18.
 Buckles, Clamp lever for. W. J. Morse. 1,783,854; Dec. 2.
 Budget system, Household. J. E. Krelling. 1,783,800; Dec. 2.
 Buffer. S. Gross. 1,747,238; Feb. 18.
 Buffer. D. Roe. 1,761,233; June 3.
 Buffer and draft device. D. S. Barrows. 1,775,616; Sept. 9.
 Buffer, Finger-nail. E. L. Arthur. 1,766,321; June 24.
 Buffer for aircraft. W. C. Ward. 1,770,638; July 15.
 Buffer for electric switches. C. F. Schwenker. 1,745,122; Jan. 28.
 Buffer for railway cars. J. M. Hall. 1,745,165; Jan. 28.
 Buffer for well swabs. N. H. Ricker. 1,784,110; Dec. 9.
 Buffer, Stone. A. Van de Sandt. 1,749,860; Mar. 11.
 Buffet. F. A. Gleichauf. Des. 82,421; Nov. 4.
 Buffing machine. G. N. Gordon and G. Sampson. 1,763,774; June 17.
 Buffing wheel, Stitched. H. Zimmerman. 1,765,750; June 24.
 Builder mechanism for spinning or winding machines. H. A. Leonard. 1,761,574; June 3.
 Building. A. F. Bemis. 1,748,505; Feb. 25.
 Building. A. F. Bemis. 1,769,733; July 1.
 Building. A. F. Bemis. 1,785,067; Dec. 16.
 Building. F. D. Clark. Des. 82,726; Dec. 9.
 Building. W. B. Foshay and G. R. Magney. Des. 82,492; Nov. 11.
 Building. C. F. Johnson. 1,742,861; Jan. 7.
 Building. F. W. McDonald. Des. 82,442; Nov. 4.
 Building. E. P. Muntz. 1,782,997; Nov. 25.
 Building. W. J. H. Ruschmeyer. 1,775,697; Sept. 16.
 Building. D. Stromberg. Des. 82,767; Dec. 9.
 Building. H. E. White. 1,760,331; May 27.
 Building. J. F. Williams. 1,766,475; June 24.
 Building block. D. O. Forman. 1,751,272; Mar. 18.
 Building block. F. X. Muenzer. 1,774,065; Aug. 26.
 Building block. J. Nash. 1,751,748; Mar. 25.
 Building block. F. Sayers. 1,785,499; Dec. 16.
 Building block. F. J. Straub. 1,766,561; June 24.
 Building block. E. K. Wolfe. 1,779,790; Oct. 28.
 Building-block machine. C. M. Eberling. 1,765,064; June 17.
 Building block, Nonhygroscopic plastic. J. B. Linn. 1,780,086; Oct. 28.
 Building block or tile. H. H. Niemann. 1,758,757; May 13.
 Building block, Rayproof. D. H. Barry. 1,780,107; Oct. 28.
 Building blocks, Making. M. Skolnik. 1,760,446; May 27.
 Building blocks, Process of and apparatus for molding. G. W. Dunn. 1,750,511; Mar. 11.
 Building bracket. G. Mostowy. 1,774,838; Sept. 2.
 Building, Café. E. I. Felton. Des. 80,364; Jan. 21.
 Building construction. W. D. Belding. 1,786,691; Dec. 30.
 Building construction. A. F. Bemis. 1,752,058; Mar. 25.
 Building construction. H. A. Blanchard. 1,764,001; June 17.
 Building construction. G. F. Boes. 1,746,816; Feb. 11.
 Building construction. A. Braunstein. 1,762,756; June 10.
 Building construction. D. F. Comstock. 1,770,200; July 8.
 Building construction. M. Eislerloh. 1,757,077; May 6.
 Building construction. S. M. Friedman. 1,780,013; Oct. 28.
 Building construction. F. H. Halsey. 1,780,707; Nov. 4.
 Building construction. C. V. Head. 1,765,154; June 17.
 Building construction. E. A. Juul. 1,770,594; July 15.
 Building construction. I. T. Kahn. 1,780,928; Nov. 11.
 Building construction. W. C. Koch. 1,764,729; June 17.
 Building construction. W. W. Loy and E. J. Crum. 1,754,026; Apr. 8.
 Building construction. J. V. Montrieff. 1,783,383; Dec. 2.
 Building construction. G. F. Pawling. 1,746,440; Feb. 11.
 Building construction. F. M. Reuter. 1,767,401; June 24.
 Building construction. T. Rowan. Re17,913; Dec. 30.
 Building construction. P. Satterlee. 1,779,713; Oct. 28.
 Building construction. J. H. Stone. 1,784,502; Dec. 9.
 Building construction. F. S. Swan. 1,749,166; Mar. 4.
 Building construction. R. Tappan. 1,781,794; Nov. 18.
 Building construction. R. Thompson. 1,770,439; July 15.
 Building construction. F. M. Venzle. 1,760,026; May 27.
 Building construction. F. M. Venzle. 1,764,587; June 17.
 Building construction, Concrete. E. O. Brostrom. 1,775,234; Sept. 9.
 Building construction, Interior. C. H. Collings. 1,744,528; Jan. 21.
 Building construction, Ornamental metallic log combination for. E. L. Ison. 1,758,046; May 13.
 Building construction (quakeproof buildings). F. D. Cummings. 1,761,659-60; June 3.
 Building construction, Sectional. T. Manning. 1,779,325; Oct. 21.
 Building-construction unit. J. F. Loucks. 1,783,248; Dec. 2.
 Building, Dampproof. J. Rose. 1,761,410; June 3.
 Building fabric, Reinforced. E. D. Coddington. 1,750,877; Mar. 18.
 Building-form construction. J. F. Hakowski. 1,779,007; Oct. 21.
 Building front. S. P. Shelburne and A. O. Campbell. Des. 80,541; Feb. 18.
 Building insulation. B. E. Balduf. 1,786,732; Dec. 30.
 Building material. R. E. Bradshaw. 1,748,861; Feb. 25.
 Building material. H. J. Burt, jr. 1,767,168; June 24.
 Building material. A. C. Fischer. 1,743,764; Jan. 14.
 Building material. H. E. White. 1,768,181; June 24.

- Building material and its applications. L. Athenont. 1,773,658; Aug. 19.
- Building material and making the same, Reinforced. G. M. Thomson. 1,751,429; Mar. 18.
- Building material and making the same, Road-. S. S. Sadtler. 1,758,913-4; May 13.
- Building material of varying densities, Manufacturing. E. C. Loetscher. 1,780,623; Nov. 4.
- Building material, Producing cellular. G. M. Thomson. 1,753,255; Apr. 8.
- Building materials, Device for handling. C. W. Waddell. 1,755,463; Apr. 22.
- Building materials, Soundproofing. W. A. Collins and R. Cross. 1,770,767; July 15.
- Building, Metal. H. C. Drumm and J. M. Callahan. 1,781,498; Nov. 1.
- Building-opening ground. C. Helscher and P. Tabellion. 1,748,605; Feb. 25.
- Building or analogous structure, Amusement-park. E. C. Hoppe. Des. 82,427; Nov. 4.
- Building panel. J. S. Edwards. 1,773,175; Aug. 19.
- Building partition. F. M. Venzie. 1,764,428; June 17.
- Building, Portable. T. Berbeck. 1,777,028; Sept. 30.
- Building, Portable. L. W. Ray. 1,748,794; Feb. 25.
- Building, Restaurant. A. J. Errett and C. P. Pesek. Des. 82,663; Dec. 2.
- Building slab. J. H. Powers. 1,787,166; Dec. 30.
- Building, Storage. W. G. Beecher and L. F. Smith. 1,779,998; Oct. 28.
- Building structure. S. B. Creamer and H. R. Ansell. 1,760,817; May 27.
- Building structure. W. R. Herby and R. J. Unger. 1,782,121; Nov. 18.
- Building structure. C. F. Kuhnla. 1,742,209; Jan. 7.
- Building structure. A. Leyland. 1,784,808; Dec. 9.
- Building structure. F. M. Venzie. 1,742,883-4; Jan. 7.
- Building structure. F. M. Venzie. 1,760,025; May 27.
- Building structure. F. M. Venzie. 1,760,027; May 27.
- Building structure. F. M. Venzie. 1,778,237; Oct. 14.
- Building structure. F. M. Venzie. 1,778,344; Oct. 14.
- Building structure. H. L. Woolfenden. 1,751,965; Mar. 25.
- Building structure, Arched. J. G. Shodron. 1,745,588; Feb. 4.
- Building unit. J. R. McPherson. 1,770,082; July 8.
- Building unit and supporting means therefor. J. A. Ferguson. 1,778,315; Oct. 14.
- Building ventilator. R. S. Busby. 1,766,876; June 24.
- Bulb adjuster. G. H. Coulter. 1,747,858; Feb. 18.
- Bulb adjuster. G. H. Coulter. 1,768,667; July 1.
- Bulb-adjusting device, Light-. G. H. Coulter. 1,747,859; Feb. 18.
- Bulb-cullet-centering device. C. Fleischmann. 1,780,618; Nov. 4.
- Bulbs, Method and apparatus for blowing. C. W. Craig. 1,771,954; July 29.
- Bulk binding. H. W. Knowlton and E. F. Lau. 1,772,902; Aug. 12.
- Bulkhead door. J. L. Hyland. 1,743,673; Jan. 14.
- Bulldozer for chassis frames. R. J. Jauch. 1,753,889; Apr. 8.
- Bullet. J. T. Phillips. 1,767,308; June 24.
- Bullet and bullet guide. E. A. Johnson. 1,746,397; Feb. 11.
- Bullet and the manufacture of same. E. J. Johnson. 1,769,263; July 1.
- Bullet mold. M. G. McNeely. 1,763,977; June 17.
- Bulletproof guard cage. E. C. Neuendorf. 1,744,279; Jan. 21.
- Bullets, Process and apparatus for making. S. Rousseau. 1,783,261; Dec. 2.
- Bumper. C. G. Ambush. 1,773,928; Aug. 26.
- Bumper. L. Caruso. 1,752,731; Apr. 1.
- Bumper. E. J. Farkas. 1,770,466; July 15.
- Bumper. L. Ferdinand. 1,783,875; Dec. 2.
- Bumper. J. Galamb. 1,763,847; June 17.
- Bumper. F. H. Goodrich. 1,771,535; July 29.
- Bumper. F. H. Goodrich and E. R. Keelor. 1,743,207; Jan. 14.
- Bumper. H. S. Jandus. Des. 82,560; Nov. 18.
- Bumper. H. S. Jandus. 1,743,218; Jan. 14.
- Bumper. H. S. Jandus. 1,763,587; June 10.
- Bumper. H. S. Jandus. 1,770,885; July 15.
- Bumper. G. A. Lyon. 1,745,428; Feb. 4.
- Bumper. E. H. McCloud. 1,753,993-4; Apr. 8.
- Bumper. E. J. Quinn. 1,743,047; Jan. 7.
- Bumper. B. Russell. 1,749,112; Mar. 4.
- Bumper. S. Scalpell. 1,776,163; Sept. 16.
- Bumper. J. M. Schoonmaker, jr. 1,771,736; July 29.
- Bumper. F. P. Servais. 1,773,502; Aug. 19.
- Bumper. W. F. Williams. 1,777,342; Oct. 7.
- Bumper-actuated control for vehicles, Safety. W. Adam. 1,751,186; Mar. 18.
- Bumper and body catcher, Automatic. C. H. Trieschmann. 1,748,371; Feb. 25.
- Bumper and fender and mounting means therefor, Vehicle. H. Walker and F. A. Whitten. 1,748,157; Feb. 25.
- Bumper, Automatic safety. G. A. Moretti. 1,771,649; July 29.
- Bumper, Automobile. D. Capobianco. 1,754,934; Apr. 15.
- Bumper, Automobile. J. Comiskey. 1,755,207; Apr. 22.
- Bumper, Automobile. J. M. Howe. 1,752,381; Apr. 1.
- Bumper, Automobile. J. M. Howe. 1,767,212; June 24.
- Bumper, Automobile. F. J. Laher. 1,783,335; Dec. 2.
- Bumper, Automobile. E. H. McCloud. 1,766,342; June 24.
- Bumper, Automobile. E. H. McCloud. 1,771,579-80; July 29.
- Bumper, Automobile. W. Rabe. 1,743,391; Jan. 14.
- Bumper, Automobile. W. A. Starck. 1,757,268; May 6.
- Bumper, Automobile. W. A. Starck. 1,757,749; May 6.
- Bumper, Automobile. G. W. Yanss. 1,745,966; Feb. 4.
- Bumper, Automobile. G. W. Yanss. 1,745,967; Feb. 4.
- Bumper, Automobile. G. W. Yanss. 1,748,096; Feb. 25.
- Bumper, Automobile trap. J. Amler. 1,783,066; Nov. 25.
- Bumper bar. E. J. Doherty. 1,774,916; Sept. 2.
- Bumper bar. T. Jackson. 1,755,007; Apr. 15.
- Bumper bar. R. H. Rosenberg. 1,765,617; June 24.
- Bumper brace, Locomotive. L. Spangenberg. 1,771,423; July 29.
- Bumper bracket. C. P. Pinardi. 1,775,139; Sept. 9.
- Bumper clamp. H. S. Jandus and E. R. Keelor. 1,743,219; Jan. 14.
- Bumper clamp. N. H. F. Olsen. 1,744,667; Jan. 21.
- Bumper construction. H. S. Jandus. 1,771,539; July 29.
- Bumper construction, Vehicle. J. C. Monteith. 1,759,201; May 20.
- Bumper, Folding. P. A. Benedict. 1,778,930; Oct. 21.
- Bumper for automobiles, Extensible. J. C. Hoffman. 1,754,104; Apr. 8.
- Bumper for automobiles, Safety. E. C. Shilling. 1,761,994; June 3.
- Bumper for automobiles, Side. V. Hostutler. 1,780,974; Nov. 11.
- Bumper for brooms. A. D. Sund. 1,752,401; Apr. 1.
- Bumper for motor cars. R. Sumi and T. Kishi. 1,746,502; Feb. 11.
- Bumper for motor cars and automobiles. R. Reynolds. 1,786,865; Dec. 30.
- Bumper for motor vehicles. A. Rush. 1,774,672; Sept. 2.
- Bumper, Front-axle. G. C. Jett. 1,765,764; June 24.
- Bumper leg for brooms. A. D. Sund. 1,752,400; Apr. 1.
- Bumper means. E. A. Rosin and K. Kupferschmid. 1,761,747; June 3.
- Bumper, Oven-door. W. G. Miller. 1,776,005; Sept. 16.
- Bumper post. S. W. Hayes. 1,747,006; Feb. 11.
- Bumper, Pneumatic. H. M. Clausen. 1,780,908; Nov. 11.
- Bumper rack. W. E. V. Shaw. 1,780,209; Nov. 4.
- Bumper, Rubber-covered spring. C. H. Gunn. 1,753,411; Apr. 8.
- Bumper, Safety. C. A. Hart. 1,774,923; Sept. 2.
- Bumper, Safety guard. F. E. Lukan. 1,772,906; Aug. 12.
- Bumper structure. E. Stevens. 1,753,483; Apr. 8.
- Bumper, tire protector, and luggage carrier, Combined. D. C. Wiseley. 1,746,572; Feb. 11.
- Bumper, Track. G. Isono. 1,745,014; Jan. 28.
- Bumper, Vehicle. A. Hancock. 1,755,393; Apr. 22.
- Bumper, Vehicle. J. J. Punke. Des. 81,402; June 17.
- Bumper, Vehicle. C. A. Schmidt. 1,771,319; July 22.
- Bumping post. C. T. Miller. 1,746,007; Feb. 4.
- Bundle adjuster. H. E. Flynn. 1,766,495; June 24.
- Bundle-carrier attachment. M. L. Jensen. 1,768,697; July 1.
- Bundle strap, Carry. R. M. Lackey. 1,772,009; Aug. 5.
- Bundle-tripping mechanism for binders, Automatic. C. C. Sancken. 1,763,446; June 10.
- Bundling and delivery table, Combination. H. M. Jampol. 1,757,965; May 13.
- Bungalow box. R. Stover. Des. 81,263; May 27.
- Bung fixture for sheet-metal containers. T. W. Rieke. 1,783,927; Dec. 2.
- Bung ring. H. M. Dillhoefer. 1,781,166; Nov. 11.
- Bunion appliance. M. Stern. 1,784,032; Dec. 9.
- Bunion corrector. J. C. Day. 1,785,185; Dec. 16.
- Bunker. A. H. Kenigsberg. 1,742,709; Jan. 7.
- Buns and the like, Machine for forming. F. J. Wolfarth and W. W. Duant. 1,763,620; June 10.
- Buoy. H. Roth. 1,768,003; June 24.
- Buoy for seaside resorts, Pleasure. M. W. Iden. 1,786,658; Dec. 30.
- Buoy-launching device. H. B. Lambdin. 1,773,462; Aug. 19.
- Buoy, Submarine escape. T. C. Dulin. 1,768,037; June 24.
- Buoy, Swimmer's. W. R. Denbo. 1,752,969; Apr. 1.
- Buoyant seat or like device for aquatic purposes. T. Phillips. 1,764,852; June 17.
- Burglar alarm. W. Burrell. 1,754,305; Apr. 15.
- Burglar alarm. H. F. Kolb. 1,776,156; Sept. 16.
- Burglar alarm. S. Pasman. 1,772,816; Aug. 12.
- Burglar alarm. A. L. Turner. 1,786,273; Dec. 23.
- Burglar-alarm system. S. B. Hess. 1,752,083; Mar. 25.
- Burglar-alarm system, Four-wire. J. J. Gilligan. 1,766,500; June 24.
- Burglarproof lock. D. Copell. 1,783,905; Dec. 2.
- Burglarproof lock. J. J. Walsh. 1,758,096; May 13.
- Burial apparatus. C. W. Baker. 1,755,170; Apr. 22.
- Burial-crypt vent, Sanitary. D. M. Rothenberger. 1,773,865; Aug. 26.
- Burner: See—
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| Blue-flame burner. | Hydrooil burner. |
| Brush burner. | Liquid-fuel burner. |
| Charcoal burner. | Oil burner. |
| Coal burner. | Pilot-light burner. |
| Duplex burner. | Pressure burner. |
| Fuel burner. | Ribbon burner. |
| Fuel-oil burner. | Sawdust burner. |
| Furnace burner. | Sludge burner. |
| Furnace gas burner. | Stubble burner. |
| Gas burner. | Tubular burner. |
| Gas heating burner. | Vapor burner. |
| Hydrocarbon burner. | Whirl burner. |

- Burner. J. B. and H. J. Anderson. 1,763,289; June 10.
 Burner. H. B. Barber. 1,769,821; July 1.
 Burner. F. S. Bitgood. 1,751,722; Mar. 25.
 Burner. G. T. Brado. 1,782,600; Nov. 25.
 Burner. E. L. Davis. 1,768,234; June 24.
 Burner. A. S. Dearborn. 1,773,173; Aug. 19.
 Burner. C. M. Hunter. 1,765,274; June 17.
 Burner. C. M. Hunter and H. P. Philpot. 1,749,942; Mar. 11.
 Burner. W. A. J. Kreager. 1,778,194; Oct. 14.
 Burner. J. L. Mandeville. 1,780,596; Nov. 4.
 Burner. T. E. Murray. 1,776,841; Sept. 30.
 Burner. H. Robichaux. 1,755,226; Apr. 22.
 Burner. D. H. Turner. 1,785,605; Dec. 16.
 Burner. J. Van Brunt. 1,779,647; Oct. 28.
 Burner. F. H. Willcox and E. P. Everhard. 1,781,796; Nov. 18.
 Burner and control therefor, Fuel. R. F. Metcalfe. 1,780,357; Nov. 4.
 Burner and regulator unit, Combined. J. P. Fisher, B. Greenfield, and N. M. Hutchinson. 1,758,828; May 13.
 Burner and safety appliance therefor, Fluid. J. Pararra. 1,748,457; Feb. 25.
 Burner and ventilator, Gas. F. Bushman and R. McFarlane. 1,757,898; May 6.
 Burner appliance. M. Salz. 1,775,866; Sept. 16.
 Burner assembly. W. W. Williams. 1,742,887; Jan. 7.
 Burner attachment for clothes-washing machines, Gas. G. C. Wilkinson. 1,749,456; Mar. 4.
 Burner attachment, Gas. O. Wilhelm. 1,772,407; Aug. 5.
 Burner, Automatic shut-off for gas. J. A. L. Deters. 1,779,118; Oct. 21.
 Burner construction, Oil. H. W. Gaston. 1,783,567; Dec. 2.
 Burner construction, Portable fuel. F. S. Bitgood. 1,744,439; Jan. 21.
 Burner control. B. W. Hurd. 1,786,068; Dec. 23.
 Burner control, Liquid-fuel. I. E. McCabe. 1,745,178; Jan. 28.
 Burner-control means. L. W. Eggleston. 1,751,688; Mar. 25.
 Burner for fluid fuel. J. B. Anderson. 1,746,230; Feb. 11.
 Burner for furnaces, Gas. R. B. Fanning. 1,760,858; May 27.
 Burner for gas stoves, Top. J. Z. Harner and H. S. Schweinhart. 1,781,386; Nov. 11.
 Burner for hard fuel. A. O. Jackson. 1,766,641; June 24.
 Burner for natural gas. P. W. McCoy. 1,750,616; Mar. 11.
 Burner for noxious gases. L. Kessler. 1,775,565; Sept. 9.
 Burner for producing heat from liquid fuel. M. A. Powers. 1,782,049; Nov. 18.
 Burner for retort stoves, Starting. M. Resek. 1,763,672; June 17.
 Burner for singeing any kind of spun, Gas. L. G. Petitalot. 1,777,221; Sept. 30.
 Burner installation, Gas. F. A. Gericich. 1,764,719; June 17.
 Burner jacket, Tubular. E. O. Engels. 1,763,349; June 10.
 Burner plate. G. C. Anderson. 1,780,896; Nov. 11.
 Burner structure. F. J. Werner. 1,783,818; Dec. 2.
 Burner structure, Gas. J. H. Grayson. 1,771,623; July 29.
 Burners, Air-inlet device for oil. P. S. Sinclair. 1,762,897; June 10.
 Burners, Combined preheating and mixing chamber for liquid-fuel. W. Blaskewitz and C. B. Overly. 1,770,346; July 8.
 Burners, Combined starting and mixing chamber for liquid-fuel. J. Ironsides. 1,760,412; May 27.
 Burners, Controlling device for gas. R. R. Root. 1,757,591; May 6.
 Burners, Controlling mechanism for oil. S. Perry. 1,782,937; Nov. 25.
 Burners, Electrical spark control for. F. Fischer and A. F. Van Pelt. 1,755,390; Apr. 22.
 Burners, Igniting and controlling low-gravity fuel. D. M. Pearson. 1,777,732; Oct. 7.
 Burners, Machine for guiding cutting. Wilhelm Eberle. 1,748,870; Feb. 25.
 Burners, Preheater apparatus for oil. A. J. Baird. 1,761,975; June 3.
 Burners, Regulating apparatus for oil. A. J. Baird. 1,752,548; Apr. 1.
 Burners, Safety attachment for gas. O. Mohr. 1,745,580; Feb. 4.
 Burners, Safety device for liquid-fuel. J. Scheminger, Jr. 1,745,062; Jan. 28.
 Burning fuel, Apparatus for. E. H. Steedman. 1,747,191; Feb. 18.
 Burning rack. B. H. Greene. 1,770,206; July 8.
 Burnishing machine. L. J. Bazzoni. 1,782,802; Nov. 25.
 Burnishing machine. G. Goddu. 1,763,680; July 1.
 Burnishing machine. J. W. Nesbitt. 1,749,982; Mar. 11.
 Burnishing machine, Brake-shoe. S. Whitworth. 1,775,710; Sept. 16.
 Burn-off machine, Rotary. A. C. Parker. 1,757,211; May 6.
 Burr, Grinding. J. A. Lindenfelser. 1,778,860; Oct. 21.
 Burr plate. W. M. Tomashek. 1,782,372; Nov. 18.
 Burring machine. F. J. Schumacher. 1,772,500; Aug. 12.
 Burring machines, Automatic feed for. J. A. Flowers. 1,785,862; Dec. 23.
 Bus bar, Sectional electrical. D. R. Davies. 1,786,830; Dec. 30.
 Bus body. E. R. Hewitt. 1,783,424; Dec. 2.
 Bus heater. L. C. Hyatt. 1,771,439; July 29.
 Bus seat switch. C. Weiss. 1,747,960; Feb. 18.
 Busses, Upper-deck seating arrangement for. C. T. Hansen. 1,754,465; Apr. 15.
 Bushing. E. Cooper. 1,786,826; Dec. 30.
 Bushing. R. Flury. 1,758,659; May 13.
 Bushing. C. V. Gantt. 1,754,997; Apr. 15.
 Bushing. H. Marles. 1,762,181; June 10.
 Bushing. L. Ottinger. Re17,787-8; Sept. 2.
 Bushing. R. D. Pike. 1,770,582; July 15.
 Bushing. G. H. Wohlar. 1,748,006; Feb. 18.
 Bushing, Antirattling. F. C. Morris. 1,758,712; May 13.
 Bushing arbor. G. F. Yager. 1,778,516; Oct. 14.
 Bushing, Condenser. S. Rump. 1,759,419; May 20.
 Bushing, Conduit. W. J. Mahan. 1,775,352; Sept. 9.
 Bushing for lining the bores of joints. J. Walter. 1,750,554; Mar. 11.
 Bushing for rail joints, Compensating. E. F. Schermerhorn. 1,775,573; Sept. 9.
 Bushing for rotary drilling machines, Drive. E. E. Greve. 1,749,809; Mar. 11.
 Bushing for wooden lug sticks. J. Eakins. 1,777,965; Oct. 7.
 Bushing having insulated supports, High-tension. G. E. Jansson. 1,775,530; Sept. 9.
 Bushing, Insulating. G. A. Burnham. 1,769,175; July 1.
 Bushing, Insulating. G. A. Burnham. 1,777,073; Sept. 30.
 Bushing, Insulating. M. J. Cafero. 1,778,714; Oct. 21.
 Bushing, Oil-filled. G. E. Jansson. 1,769,261-2; July 1.
 Bushing, Outlet-box-clamp. W. A. Bonnell. 1,750,257; Mar. 11.
 Bushing, Self-adjusting intermediate. J. A. Wintroath. 1,756,326; Apr. 29.
 Butadiene, Preparing. E. K. Bolton and F. B. Downing. 1,777,600; Oct. 7.
 Butt-removing mechanism. S. E. and W. W. Morral. 1,763,173; June 10.
 Butter-composition test. C. C. Bomberger. 1,748,668; Feb. 25.
 Butter cutter. C. A. Carlstrom. 1,747,502; Feb. 18.
 Butter cutter. G. Frings. 1,754,885; Apr. 15.
 Butter cutter. J. P. Scartsaris. 1,747,392; Feb. 18.
 Butter cutter. J. M. Skelton. 1,747,327; Feb. 18.
 Butter-cutting machine. C. and H. H. Doering. 1,761,010; June 3.
 Butter-cutting machine. T. Kaskouras. 1,768,693; July 1.
 Butter-cutting machine. H. J. Outcalt. 1,781,075; Nov. 11.
 Butter-cutting machine. W. J. Pearce. 1,783,096; Nov. 25.
 Butter-dividing machine. W. V. Braybon and A. E. Vince. 1,775,189; Sept. 9.
 Butter-serving machine. J. M. Leatherman. 1,767,803; June 24.
 Butter, Treating. C. Hoffman and T. R. Schweitzer. 1,749,427; Mar. 4.
 Button. M. Alland. 1,776,096; Sept. 16.
 Button. C. M. Bondy. Re17,877; Nov. 25.
 Button. J. M. Clark and I. D. Ford. 1,752,418-20; Apr. 1.
 Button. I. D. Ford. 1,786,839-40; Dec. 30.
 Button. C. Fournier. 1,766,291; June 24.
 Button. E. G. Johnson. 1,780,555; Nov. 4.
 Button. G. Johnson. 1,754,201; Apr. 8.
 Button. I. Kramer. 1,765,077; June 17.
 Button. C. H. Miller. 1,756,952; May 6.
 Button. J. Waldes. 1,766,204; June 24.
 Button. F. R. White. 1,756,412; Apr. 29.
 Button. F. R. White. 1,756,715; Apr. 29.
 Button and button setting. J. A. Devendor and W. A. Devendor. 1,777,718; Oct. 7.
 Button and fastener therefor, License. W. F. Blackburn. 1,750,772; Mar. 18.
 Button and making the same, Sheet-metal. M. F. Carr. 1,765,054; June 17.
 Button and securing it to garments. J. Arbest. 1,775,546; Sept. 9.
 Button appliance. F. A. Gill and A. Theobalt. 1,779,125; Oct. 21.
 Button, Collar. F. P. Daughaday. 1,779,227; Oct. 21.
 Button, Collar. G. Krasney. 1,782,509; Nov. 25.
 Button, Collar. D. Nachtigal. 1,753,130; Apr. 1.
 Button cover. W. L. Myers and G. D. Harrison. 1,774,033; Aug. 26.
 Button, Cuff. C. Cantone. 1,777,349; Oct. 7.
 Button, Cuff. H. Carlson. 1,761,869; June 3.
 Button, Cuff. P. A. Curtain. 1,767,436; June 24.
 Button, Cuff. A. H. Humphries. 1,757,369; May 6.
 Button, Cuff. C. Schärer. 1,769,549; July 1.
 Button, Detachable. O. Distler and E. Klein. 1,774,639; Sept. 2.
 Button, Garter. C. A. Nash. 1,751,707; Mar. 25.
 Button, Horn. H. M. Denyes. 1,768,513; June 24.
 Button housing, Push. N. G. Hayes. 1,750,469; Mar. 11.
 Button, Imitation braided. S. Schlossberg. 1,751,763; Mar. 25.
 Button, Lapel. L. F. Henebry. Des. 81,237; May 27.
 Button, Locking. O. Distler and E. Klein. 1,758,503; May 13.
 Button loop. J. H. Domkee. 1,762,262; June 10.
 Button loop. J. H. Domkee. 1,762,264; June 10.
 Button loop. J. H. Domkee. 1,776,494; Sept. 23.
 Button loop. J. H. Domkee. 1,783,497; Dec. 2.

- Button loop. G. B. Heather. 1,785,735; Dec. 23.
 Button loop. R. J. Hodge. 1,775,089-102; Sept. 9.
 Button loop. J. Salisbury. 1,775,095-6; Sept. 9.
 Button or similar article. W. W. Hobé. Des. 80,692; Mar. 11.
 Button, Pickpocketproof. A. Leroux. 1,783,846; Dec. 2.
 Button, Self-fastening. E. Jaffe. 1,763,656; June 17.
 Button, Separable. N. S. Dwyer. 1,774,134; Aug. 26.
 Button, Staple. F. R. White, W. T. Abel, and L. R. Carley. 1,744,349; Jan. 21.
 Button, Switch. T. L. Parker. 1,769,542; July 1.
 Button switch, Horn. J. G. Wood and J. H. Alfes. 1,761,949; June 3.
 Button switch, Push-. H. R. Lieutze. 1,773,627; Aug. 19.
 Button, Tack. F. R. White, W. T. Abel, and L. R. Carley. 1,744,350; Jan. 21.
 Button, Tack-attached. M. F. Carr. 1,760,835; May 27.
 Button, Tack-attached sheet-metal. M. F. Carr. 1,765,055; June 17.
 Cabinet. B. Adams. 1,745,593; Feb. 4.
 Cabinet. H. Berg. Des. 82,413; Nov. 4.
 Cabinet. A. E. Blackman. 1,776,464; Sept. 23.
 Cabinet. W. A. French. Des. 82,738; Dec. 9.
 Cabinet. L. P. Lizotte. 1,758,843; May 13.
 Cabinet. H. G. Martin, jr. 1,779,482; Oct. 28.
 Cabinet. H. H. Miller. 1,768,707; July 1.
 Cabinet. M. Nystrom. Des. 81,201; May 20.
 Cabinet. E. Ohnstrand. 1,774,235; Aug. 26.
 Cabinet. E. J. Packer. 1,757,811; May 6.
 Cabinet. M. F. Ramsey. 1,769,857; July 1.
 Cabinet. D. Roberts. Des. 81,291; June 3.
 Cabinet. D. Roberts. Des. 82,704; Dec. 2.
 Cabinet. S. Schmalzgruber. 1,779,218; Oct. 21.
 Cabinet. C. W. Schmidt. 1,748,849; Feb. 25.
 Cabinet. A. Topazzi. 1,746,972; Feb. 11.
 Cabinet, Adjustable portable folding sand-blast. R. Rue melin. 1,773,374; Aug. 19.
 Cabinet and clock, Combined radio receiver. H. M. Far rand. Des. 82,665; Dec. 2.
 Cabinet and foldable stand therefore, Portable. E. C. Hoyer, jr., and F. B. Le Fevre. 1,770,156; July 8.
 Cabinet and refrigerator, Kitchen. W. H. Hendrickson. 1,763,306; June 10.
 Cabinet, Article displaying and vending. G. A. Krebs. 1,750,528; Mar. 11.
 Cabinet, Bath. A. H. Jahns. 1,766,125; June 24.
 Cabinet, Bath. D. M. and B. H. Kennedy. 1,767,800; June 24.
 Cabinet, Bath. J. E. Paynter. 1,778,643; Oct. 14.
 Cabinet, Bath. A. Rusatz. 1,750,284; Mar. 11.
 Cabinet, Bathroom. D. Donovan. 1,745,209; Jan. 28.
 Cabinet, Bottle holding and dispensing. J. J. Schweitzer. 1,754,487; Apr. 15.
 Cabinet, Bread-raising. F. A. and W. Anetsberger. 1,769,048; July 1.
 Cabinet, Built-in telephone. C. C. and I. D. Ritchie. 1,761,683; June 3.
 Cabinet, Coffee. F. Pagano. 1,747,129; Feb. 11.
 Cabinet, Coin-controlled towel. W. W. Trinks. 1,769,724; July 1.
 Cabinet, Collar and necktie. L. F. Nelson. 1,759,202; May 20.
 Cabinet, Combination. M. W. Jones. 1,780,353; Nov. 4.
 Cabinet, Combined phonograph and radio receiving. A. A. Thomas. 1,759,143; May 20.
 Cabinet, Combined radio and phonograph. G. L. Gilbert. Des. 82,717; Dec. 2.
 Cabinet, Combined radio and phonograph. A. N. Goldsmith and L. Shapiro. 1,757,304; May 6.
 Cabinet, Combined refrigerator and dispensing. C. A. Foreman. 1,774,431; Aug. 26.
 Cabinet, Dental. C. A. Lawson, sr., and C. A. Lawson, jr. 1,780,757; Nov. 4.
 Cabinet, Detachable refrigerator. G. C. Bohn. 1,774,049; Aug. 26.
 Cabinet, Dispensing. H. L. Blackman. 1,782,597; Nov. 25.
 Cabinet, Dispensing. E. L. Condon. 1,744,866; Jan. 28.
 Cabinet, Display. R. C. Chapman. 1,752,369; Apr. 1.
 Cabinet, Display. D. Haslup. 1,766,632; June 24.
 Cabinet, Display. E. O. Henderson. 1,779,815; Oct. 28.
 Cabinet, Display. H. J. Hirsch. Des. 81,584; July 15.
 Cabinet, Display. W. H. Tarver. 1,750,440; Mar. 11.
 Cabinet, Display. J. M. Webb. Des. 81,820; Aug. 12.
 Cabinet, Display and dispensing. R. Ries. Des. 81,998; Sept. 9.
 Cabinet drawer, Filing-. P. A. Wetzel. 1,754,492; Apr. 15.
 Cabinet, Dry-cell. A. I. Barasch and G. J. Skimin. Des. 80,301; Jan. 14.
 Cabinet, Drying. E. Hutchinson, jr. 1,752,797; Apr. 1.
 Cabinet, File. W. H. Day. 1,777,165; Sept. 30.
 Cabinet, Filing. I. S. Call. 1,773,300; Aug. 19.
 Cabinet, Filing. L. J. Hart. 1,786,112; Dec. 23.
 Cabinet, Filing. T. Heelan. 1,749,217; Mar. 4.
 Cabinet, Filing. C. R. Hill. 1,770,235; July 8.
 Cabinet, Filing. J. Skowron. 1,750,866; Mar. 18.
 Cabinet, Filing. G. T. Washington. 1,784,166; Dec. 9.
 Cabinet, Filing. P. A. Wetzel. 1,776,404; Sept. 23.
 Cabinet, Filing. I. B. Whetstone. 1,750,291; Mar. 11.
 Cabinet, Flat-top-desk. B. N. Abbott. 1,781,152; Nov. 11.
 Cabinet, Folding display. R. Baerman. 1,777,542; Oct. 7.
 Cabinet for a sound-reproducing instrument or the like. N. P. Bloom. Des. 81,048; Apr. 29.
 Cabinet for housing electric light and power distribution panel boards, Metal. L. M. Loeb. 1,748,234; Feb. 25.
 Cabinet for ice cream and similar substances, Cooling. P. L. Bilham and J. W. Smith. 1,755,147; Apr. 15.
 Cabinet for phonograph records, Filing. C. T. Ray and D. McDonald, jr. 1,754,435; Apr. 15.
 Cabinet for phonograph records, Filing. C. T. Ray and D. McDonald, jr. 1,755,074; Apr. 15.
 Cabinet for radio apparatus, Upright. A. P. Luker. 1,745,306; Jan. 28.
 Cabinet for radio receiving apparatus. C. S. Bradley. Des. 80,774; Mar. 25.
 Cabinet for radio receiving apparatus. A. A. Kent. Des. 82,206-7; Sept. 30.
 Cabinet for radio receiving sets. C. M. Olsen. Des. 81,017; Apr. 22.
 Cabinet for radio receiving sets. C. M. Olsen. Des. 81,842; Aug. 19.
 Cabinet for refrigerators and other purposes, Metal-faced. G. R. Meyer cord and F. M. Curran. 1,742,921; Jan. 7.
 Cabinet for soda fountains, Cooler. T. De Stefanl. 1,755,816; Apr. 22.
 Cabinet for sound reproducer. I. Harris. Des. 80,530; Feb. 18.
 Cabinet for telephones and the like. J. E. Strong. 1,785,880; Dec. 23.
 Cabinet for the reception of dairy products. I. C. Weld. 1,759,723; May 20.
 Cabinet for the storage of gramophone disk records and the like. V. Fraschetti. 1,782,606; Nov. 25.
 Cabinet, Hand lift for a portable sewing-machine. D. H. Chason. Des. 80,306; Jan. 14.
 Cabinet, Heat-resisting. E. S. Merriam. 1,749,222; Mar. 4.
 Cabinet, Ice-cream. R. A. Manning. 1,773,191; Aug. 19.
 Cabinet, Individual-towel. F. G. Steiner. 1,756,767; Apr. 29.
 Cabinet, Key filing. R. H. Thayer. 1,770,327; July 8.
 Cabinet, Kitchen. J. F. Kasper. Des. 82,430; Nov. 4.
 Cabinet kitchen. R. W. Martin. 1,753,526; Apr. 8.
 Cabinet, Kitchen. N. R. Moore. 1,778,163; Oct. 14.
 Cabinet, Kitchen. C. B. Parsons. Des. 81,843; Aug. 19.
 Cabinet, Kitchenette and medicine. C. E. Johnson. 1,756,828; Apr. 29.
 Cabinet, Knockdown metal. G. T. Gourley. 1,782,344; Nov. 18.
 Cabinet, Lunch. D. A. Dart. 1,776,890; Sept. 30.
 Cabinetmaker's clamp. J. Sea. 1,766,230; June 24.
 Cabinet, Massaging-machine. F. W. Knott. 1,783,170; Nov. 25.
 Cabinet, Mechanical refrigerator. R. W. Davenport. 1,769,115; July 1.
 Cabinet, Medicine. G. A. Simons and G. Freeberg. Des. 82,762; Dec. 9.
 Cabinet, Merchandise-display. C. C. Irwin. Des. 82,680; Dec. 2.
 Cabinet, Metal. L. H. Moring. 1,767,008; June 24.
 Cabinet, Milk-bottle-receiving. F. and A. Mastrangelo. 1,774,102; Aug. 26.
 Cabinet, Milk-shipping. J. H. Graves. 1,767,976; June 24.
 Cabinet mounting. S. Hammer. 1,743,273; Jan. 14.
 Cabinet, Office. D. A. Bryce. 1,761,704; June 3.
 Cabinet, One-piece double-compartment toilet. B. Kolber. 1,773,684; Aug. 19.
 Cabinet or container for stationery, Display. H. H. Harshman. 1,770,519; July 15.
 Cabinet or panel board, Fuse. F. T. Wheeler. 1,782,019; Nov. 18.
 Cabinet or similar article. F. J. Palk. Des. 80,661; Mar. 4.
 Cabinet or the like. Index or record. J. H. Rand, jr. 1,774,237; Aug. 26.
 Cabinet, Portable dishwashing. R. H. and E. G. Rhoades. 1,769,165; July 1.
 Cabinet, Portable ironing. B. L. Lindersmith. 1,748,889; Feb. 25.
 Cabinet, Radiator. J. H. Bryan. 1,784,040; Dec. 9.
 Cabinet, Radiator. F. M. Lambert. Des. 81,987; Sept. 9.
 Cabinet, Radio and television. J. Phillips. Des. 82,624; Nov. 25.
 Cabinet, Radio clock. M. K. Bernstein. Des. 80,771; Mar. 25.
 Cabinet, Reading. C. J. Abeles. Des. 81,568; July 15.
 Cabinet, Receiving and dispensing. H. A. Montgomery. 1,784,743; Dec. 9.
 Cabinet, Record. J. H. Rand, jr., and L. C. Broecker. 1,774,239; Aug. 26.
 Cabinet, Refrigerating and ice-making. R. W. Davenport. 1,758,073; May 13.
 Cabinet, Refrigeration. H. C. Folger. 1,752,553; Apr. 1.
 Cabinet, Refrigerator. H. P. Braeutigam. Des. 82,077; Sept. 23.
 Cabinet, Refrigerator. L. G. Copeman. 1,777,786; Oct. 7.
 Cabinet, Refrigerator. H. D. Geyer. 1,761,013; June 3.
 Cabinet, Refrigerator. R. W. Hull. 1,787,379; Dec. 30.
 Cabinet, Refrigerator. G. W. Mason. 1,756,984; May 6.
 Cabinet, Refrigerator. G. W. Mason. 1,768,774; July 1.
 Cabinet, Refrigerator. H. E. Pleasant. Des. 81,072; Apr. 29.
 Cabinet, Refrigerator. H. E. Pleasant. Des. 82,582; Nov. 18.
 Cabinet, Rotary. L. A. Knipp. 1,784,293; Dec. 9.
 Cabinet, Safety. J. W. Myers. 1,775,654; Sept. 16.
 Cabinet, Sanitary. N. T. and E. H. Hammer. 1,760,494; May 27.

- Cabinet, Sanitary milk. T. B. Nettle and J. W. Klein. 1,751,749; Mar. 25.
- Cabinet, Sanitary roll-towel. E. T. Halls. 1,756,822; Apr. 29.
- Cabinet, Sewing. V. E. Carlson. 1,752,834; Apr. 1.
- Cabinet, Shower. F. H. Lewis. 1,781,692; Nov. 18.
- Cabinet slide, Index-. H. Turner. 1,787,344; Dec. 30.
- Cabinet, Sterilizing. A. R. Schwarzkopf. 1,752,265; Mar. 25.
- Cabinet, Sun-bath. J. D. Scrivner and R. O. Starbuck. 1,778,815; Oct. 21.
- Cabinet, Telephone. F. P. Mickelson. Des. 81,143; May 13.
- Cabinet, Toilet. E. M. Squires. Des. 81,734; July 29.
- Cabinet, Toilet. J. W. Warren. 1,772,619; Aug. 12.
- Cabinet, Tool. F. H. Bachelder. 1,785,666; Dec. 16.
- Cabinet, Toothbrush. W. H. Rickles. 1,781,247; Nov. 11.
- Cabinet, Towel. J. R. Clover. 1,749,628; Mar. 4.
- Cabinet, Towel. H. W. Crowson. 1,761,071; June 3.
- Cabinet, Towel. F. Jantzen. 1,783,149; Nov. 25.
- Cabinet, Towel. G. Olson. 1,756,757; Apr. 29.
- Cabinet, Towel. G. Olson. 1,765,608; June 24.
- Cabinet, Towel. F. M. Steiner. 1,746,292-3; Feb. 11.
- Cabinet, Towel. F. G. Steiner. 1,756,765-6; Apr. 29.
- Cabinet, Towel. F. G. Steiner. 1,756,840; Apr. 29.
- Cabinet, Towel. F. M. Steiner. 1,765,506; June 24.
- Cabinet, Towel. F. M. Steiner. 1,765,630; June 24.
- Cabinet, Towel. F. M. Steiner and A. H. Anderson. 1,765,505; June 24.
- Cabinet, Towel. F. M. Steiner and W. S. Graves. 1,756,839; Apr. 29.
- Cabinet, Towel. F. M. Steiner and G. Olson. 1,765,631; June 24.
- Cabinet, Towel. G. A. Steiner. 1,756,926-8; Apr. 29.
- Cabinet, Towel. C. W. Thompson. 1,786,966; Dec. 30.
- Cabinet, Towel-dispensing. J. M. Hothersall. 1,754,467; Apr. 15.
- Cabinet, Vapor-bath. F. C. Dormont. 1,773,450; Aug. 19.
- Cabinet, Vending. D. C. Fonda. 1,752,635; Apr. 1.
- Cabinet, Vending. W. C. Kinnie. 1,754,518; Apr. 15.
- Cabinet, Vending. W. C. Kinnie. 1,779,240; Oct. 21.
- Cabinet, Vending. H. H. Pelzer. Des. 81,721-2; July 29.
- Cabinet, Vending. H. H. Pelzer. Des. 81,993; Sept. 9.
- Cabinet, Vending-machine. G. P. Grant. Des. 81,583; July 15.
- Cabinet, Vending-machine. W. H. Rowe. 1,754,527; Apr. 15.
- Cabinet, Wall. R. E. Peterson. 1,758,238; May 13.
- Cabinet, Wall. L. S. Rosener. 1,772,877; Aug. 12.
- Cabinet, Wall. A. J. Smith. 1,751,107; Mar. 18.
- Cabinet, Watchmaker's. A. S. Thompson. 1,754,128; Apr. 8.
- Cabinet, Water-cooler. H. D. Geyer. 1,749,337; Mar. 4.
- Cable. C. R. Boggs. 1,752,974; Apr. 1.
- Cable. J. F. Howe. 1,760,409; May 27.
- Cable. E. Kaempf and D. P. Dalzell. 1,761,565; June 3.
- Cable, Armored electric. G. A. Johnson. 1,757,049; May 6.
- Cable-actuating mechanism. K. Davis. 1,762,765; June 10.
- Cable and brake-drum construction. E. E. Greve. 1,761,827; June 3.
- Cable and connector therefor. I. T. Hook. 1,783,016; Nov. 25.
- Cable, Armored. A. O. Hoeftmann. Re17,850; Oct. 28.
- Cable beads, Method and apparatus for making. H. R. Teegarden. 1,781,650; Nov. 11.
- Cable bracket. G. D. Alvord. 1,775,712; Sept. 16.
- Cable clamp. M. M. Clayton. 1,776,652; Sept. 23.
- Cable clamp. C. A. Johnson. 1,756,360; Apr. 29.
- Cable clamp. E. O. Keator. 1,765,837; June 24.
- Cable clamp. R. E. Schuler. 1,778,984; Oct. 21.
- Cable clamp, Armored. H. A. Calderwood. 1,773,572; Aug. 19.
- Cable clamp and bridle ring. L. B. Fish. 1,742,243; Jan. 7.
- Cable clamp and bridle ring. L. B. Fish and E. St. John. 1,763,770; June 17.
- Cable clamp, Wire-. O. C. Patterson. 1,778,274; Oct. 14.
- Cable connector. G. C. Thomas, jr. 1,758,092; May 13.
- Cable connector. G. C. Thomas, jr. 1,770,115-16; July 8.
- Cable connection for batteries. C. P. Hill. 1,786,206; Dec. 23.
- Cable, Continuously-loaded telephone or telegraph. A. R. Kemp. 1,745,680; Feb. 4.
- Cable-control device. R. H. Beaumont. 1,749,060; Mar. 4.
- Cable cutter. W. D. Starrett. 1,743,404; Jan. 14.
- Cable cutter. W. D. Starrett. 1,769,001; July 1.
- Cable drum, Reversible. G. T. Ronk. 1,781,195; Nov. 11.
- Cable, Electric. C. R. Boggs. 1,759,883; May 27.
- Cable, Electric. J. F. Watson. P. V. Hunter, and A. E. Wilson. 1,743,506; Jan. 14.
- Cable, Electric. J. F. Watson, P. V. Hunter, and A. E. Wilson. 1,757,030; May 6.
- Cable, Electrical. O. A. Frederickson. 1,746,390; Feb. 11.
- Cable, Electrical. O. A. Frederickson. 1,751,143; Mar. 18.
- Cable end and forming the same. L. Cunningham. 1,775,954; Sept. 16.
- Cable-end connector. W. Benien. 1,768,392; June 24.
- Cable ends, Effecting sealing of electric-. R. M. Martens. 1,743,825; Jan. 14.
- Cable, Fire-detecting. E. Lyndon. 1,779,610; Oct. 28.
- Cable, Fluid-filled electric. W. C. Hayman. 1,770,851; July 15.
- Cable-forming device. M. H. Lang. 1,753,793; Apr. 8.
- Cable grip. E. E. Kellem. 1,747,303; Feb. 18.
- Cable grip. P. J. Martin. 1,760,074; May 27.
- Cable grip. B. C. Riblet. 1,764,469; June 17.
- Cable grip. J. Ring. 1,781,080; Nov. 11.
- Cable grip. S. E. Whaley. 1,769,479; July 1.
- Cable guard. I. E. Quist. 1,777,181; Sept. 30.
- Cable hanger. P. F. Williams. 1,781,145; Nov. 11.
- Cable, High-tension. W. C. Hayman. 1,751,403; Mar. 18.
- Cable, High-tension. P. Mahke. 1,750,111; Mar. 11.
- Cable, High-tension electric. E. W. Clark. 1,770,877; July 15.
- Cable installation, Long-distance-. K. Fischer. 1,784,184; Dec. 9.
- Cable joint. A. O. Austin. 1,773,714; Aug. 26.
- Cable joint. E. T. Franzen. 1,775,996; Sept. 16.
- Cable-joint construction, Water-cooled welding. J. J. Paugh. 1,784,384; Dec. 9.
- Cable joint, Insulated. A. O. Austin. 1,756,080; Apr. 29.
- Cable-line attachment for drilling machines. J. Reynard. 1,769,164; July 1.
- Cable or attachment for use in connection therewith, Electric. P. V. Hunter. 1,742,354; Jan. 7.
- Cable or conduit, Protected armored. O. A. Frederickson. 1,781,574; Nov. 11.
- Cable, Power. W. I. Middleton. 1,755,930; Apr. 22.
- Cable-pulling device, Underground-. P. Eufinger. 1,784,829; Dec. 16.
- Cable-pulling head. A. M. Seeger. 1,748,084; Feb. 25.
- Cable rack. J. R. Kearney. 1,766,254; June 24.
- Cable-raising device. C. H. Fugle, C. H. Ostenberg, A. W. Maglein, J. M. Trudo, and A. Newton. 1,785,811; Dec. 23.
- Cable reel, Portable. C. C. Crockett. 1,777,197; Sept. 30.
- Cable, Signaling. O. E. Buckley. 1,752,413; Apr. 1.
- Cable, Single electric. E. Ferro. 1,743,268; Jan. 14.
- Cable storage. C. M. Murphy. 1,742,780; Jan. 7.
- Cable, Submarine. C. A. Sprague. 1,757,443; May 6.
- Cable, Telephone. W. K. Weston. 1,763,873; June 17.
- Cable terminal. A. B. Dibner. 1,777,295; Oct. 7.
- Cable terminal. W. E. Schwarzmunn and A. Rosner. 1,753,627; Apr. 8.
- Cable, Towing. F. Feldman. 1,761,112; June 3.
- Cable-transport drum. J. Rath. 1,786,366; Dec. 23.
- Cableway carriage. J. P. Street. 1,776,958; Sept. 30.
- Cableway, Portable. J. H. and M. H. Dickinson. 1,785,340; Dec. 16.
- Cable-winding drum. F. W. Krause and H. A. Baechtel. 1,768,078; June 24.
- Cable with pressure-protecting covering, Submarine. G. Zapf. 1,753,079; Apr. 1.
- Cables and the like by extrusion, Lead covering of electric. E. E. Judge. 1,745,371; Feb. 4.
- Cables, Apparatus for producing electrical. H. R. Massingham. 1,752,497; Apr. 1.
- Cables, Assembly of. H. I. Becker. 1,760,538; May 27.
- Cables, Grip for electric. P. F. Hellermann. 1,785,628; Dec. 16.
- Cables, Jointing sleeve or ferrule for electric. A. E. Wilson. 1,744,190; Jan. 21.
- Cables, Loading system for long submarine. B. T. Lewis. 1,746,314; Feb. 11.
- Cables, Manufacture of telegraph and telephones. W. Smith and A. D. Shuter. 1,760,012; May 27.
- Cables, Outlet for multiple-conductor. A. O. Austin. 1,756,233; Apr. 29.
- Cables, Plugging. C. E. Baldwin. 1,762,255; June 10.
- Cables, Reducing interference in submarine. J. W. Milnor and C. H. Cramer. 1,773,370; Aug. 19.
- Cables, Repairing pupinized submarine. U. Meyer. 1,743,790; Jan. 14.
- Cables, Repairing pupinized submarine. U. Mayer. 1,748,453; Feb. 25.
- Cables, Sectionalizing and terminating lead-sheath. A. Z. Mample. 1,769,524; July 1.
- Cables, Terminal housing for. A. O. Austin. 1,786,731; Dec. 30.
- Cables through conduits, Apparatus for pulling. S. M. Palm and J. F. Snyder. 1,778,086; Oct. 14.
- Cables, Treating loaded submarine. J. F. Wentz. 1,751,259; Mar. 18.
- Cabling arrangement for telephone systems. M. J. Arndt. 1,758,919; May 20.
- Cadmium from cadmium-containing material, Producing metallic. H. H. Monroe. 1,785,139; Dec. 16.
- Cage. C. H. Hennings. 1,772,003; Aug. 5.
- Cage, Bird. A. Chadwick. 1,743,426; Jan. 14.
- Cage, Bird. N. W. Hendryx. 1,771,491; July 29.
- Cage, Bird. H. J. Kettleborough. Des. 81,289; June 3.
- Cage, Bird. L. J. Leon. 1,758,525; May 13.
- Cage, Bird. E. W. Little. Des. 80,327; Jan. 14.
- Cage, Bird. R. L. Tullis. 1,745,879; Feb. 4.
- Cage, Bird. R. L. Tullis. 1,753,674; Apr. 8.
- Cage, Bird. R. L. Tullis. 1,758,415; May 13.
- Cage, Bird. R. L. Tullis. 1,779,864; Oct. 28.
- Cage body, Bird-. F. E. Greene. Des. 80,524; Feb. 18.
- Cage body, Bird-. N. W. Hendryx. Des. 80,485; Feb. 11.
- Cage body, Bird-. G. C. Hoefler. Des. 80,791-2; Mar. 25.
- Cage for antifriction bearings. T. L. Robinson. 1,747,736; Feb. 18.
- Cage for antifriction bearings. F. R. Schubert. 1,742,418; Jan. 7.
- Cage for ball bearings. C. L. Russell. 1,783,141; Nov. 25.
- Cage for cylindrical rollers. W. L. Hutchinson. 1,774,329; Aug. 26.

- Cage for racing dogs and the like, Starting. T. A. Keen. 1,775,493; Sept. 9.
- Cage for roller bearings. G. Carlson. 1,764,198; June 17.
- Cage, Guard. E. A. Baker. 1,755,495; Apr. 22.
- Cage-making machine. E. E. Hawkinson and N. W. Burbridge. 1,745,852; Feb. 4.
- Cage rat trap, Box-shaped. D. D. Warner. 1,760,729; May 27.
- Cage, Roller-bearing. G. R. Bott. 1,765,648; June 24.
- Caisson head. F. B. Goldsborough. 1,780,586; Nov. 4.
- Cake and making same, Ice-cream. D. A. Battista. 1,786,387; Dec. 23.
- Cake and pie pan. A. Dillow. 1,757,655; May 6.
- Cake-icing machine. J. W. Cates. 1,753,549; Apr. 8.
- Cake machines, Batter-feeding device for pastry. C. Schroeder and H. Tatosian. 1,785,394; Dec. 16.
- Cake mixer. S. Covello. 1,776,348; Sept. 23.
- Cake mixer. S. Schiff. 1,761,237; June 3.
- Cake pan. A. Katzinger. 1,744,552; Jan. 21.
- Cake pan. M. Leucht. 1,758,288; May 13.
- Cake reinforcements, Method of and apparatus for applying. F. W. Young. 1,780,732; Nov. 4.
- Calamine mixer. A. L. Henschel. 1,775,345; Sept. 9.
- Calcing apparatus. F. Gelstharp. 1,754,854; Apr. 15.
- Calcium and magnesium chlorides, Separating. A. K. Smith and C. F. Prutton. 1,780,098; Oct. 28.
- Calcium phosphate, Granular. H. Adler and G. A. McDonald. 1,785,473; Dec. 16.
- Calcium hypochlorite, Manufacture of. R. B. MacMullin and J. A. Guyer. 1,754,473; Apr. 15.
- Calcium hypochlorites, Manufacturing basic. S. Urano and S. Imai. 1,755,677; Apr. 22.
- Calcium molybdate, Making. A. Kissock. 1,763,712; June 17.
- Calcium nitrate, alumina, and phosphorus, Production of. R. Griessbach, O. Schliepsake, and O. Heausler. 1,766,785; June 24.
- Calculating and like machines, Duplicate printing mechanism for. W. S. Gubelmann. 1,742,534; Jan. 7.
- Calculating and like machines, Eliminating mechanism for. W. S. Gubelmann. 1,742,531; Jan. 7.
- Calculating and like machines, Repeating mechanism for. W. S. Gubelmann. 1,742,532; Jan. 7.
- Calculating apparatus. H. Fuss. 1,777,692; Oct. 7.
- Calculating apparatus. A. E. Vethe. 1,752,766; Apr. 1.
- Calculating apparatus. A. E. Vethe. 1,764,915; June 17.
- Calculating device. H. H. Ferris. 1,770,304; July 8.
- Calculating device. E. Harris. 1,774,177; Aug. 26.
- Calculating device. M. P. Hite. 1,780,078; Oct. 28.
- Calculating device. J. R. McNally. 1,780,494; Nov. 4.
- Calculating device. A. Thomas. 1,779,504; Oct. 28.
- Calculating machine. G. C. Chase. 1,773,027; Aug. 12.
- Calculating machine. H. Golber. 1,774,367; Aug. 26.
- Calculating machine. C. L. Johnston and C. M. F. Friden. 1,764,959; June 17.
- Calculating machine. E. Kassner. 1,773,145; Aug. 19.
- Calculating machine. W. B. Payne, R. E. Bohrer, and W. Fuhlborn. 1,787,259; Dec. 30.
- Calculating machine. C. D. Rowley and W. Jackson. 1,753,093; Apr. 1.
- Calculating machine. N. P. Palmer and W. B. Herron. 1,765,697; June 24.
- Calculating machine. A. Rozman. 1,742,824; Jan. 7.
- Calculating machine. J. A. V. Turck. 1,751,609; Mar. 25.
- Calculating machine. O. Weiskopf. 1,776,800; Sept. 30.
- Calculating machine for all species. K. Eichenauer. 1,773,392; Aug. 19.
- Calculating machine, Gas-orifice meter-chart. J. B. McGaughy. 1,748,783; Feb. 25.
- Calculating machine, Split. W. S. Gubelmann. 1,742,528; Jan. 7.
- Calculating machines, Attachment for. A. A. Overbury. 1,783,446; Dec. 2.
- Calculating machines, Attachment for. F. M. Smith. 1,783,172; Nov. 25.
- Calculating machines, Substriction control for. N. W. Perkins. 1,761,742; June 3.
- Calculating machines, Transfer mechanism for. A. A. Horton. 1,781,179; Nov. 11.
- Calendar. J. B. Carroll. 1,749,562; Mar. 4.
- Calendar. M. H. Davis. 1,786,230; Dec. 23.
- Calendar. E. R. Fairey. 1,770,769-70; July 15.
- Calendar. A. S. and G. L. Glossbrenner. 1,766,334; June 24.
- Calendar. G. R. Isbell. 1,770,105; July 8.
- Calendar. E. McNamara. 1,785,640; Dec. 16.
- Calendar. W. R. More. 1,776,365; Sept. 23.
- Calendar attachment for writing instrumentalities. S. S. Liss. 1,777,468; Oct. 7.
- Calendar, Clock-actuated. E. Sahner. 1,782,274; Nov. 18.
- Calendar, Desk. K. Clark. 1,782,985; Nov. 25.
- Calendar mount. E. A. Abbott. 1,764,236; June 17.
- Calendar-pad stand. R. Muhlbacker. 1,767,471; June 24.
- Calendar, Perpetual. H. L. Fischer. Des. 82,806; Dec. 16.
- Calendar, Perpetual. R. B. Lee. 1,756,600; Apr. 29.
- Calendar, Perpetual. J. H. Newton. 1,783,302; Dec. 2.
- Calendar, Perpetual. M. F. Rose. 1,772,112; Aug. 5.
- Calendar, Perpetual. W. J. Sidis. 1,784,117; Dec. 9.
- Calendar, Perpetual. J. F. Stimson and T. Patrick. 1,769,759; July 1.
- Calendar, Perpetual. E. Zinn. 1,774,864; Sept. 2.
- Calendars, Making. A. F. Osterlind. 1,751,752; Mar. 25.
- Calender. J. Kleinewefers. 1,765,922; June 24.
- Calender. C. F. Schnuck. 1,783,263; Dec. 2.
- Calender roll. J. P. Feney. 1,781,378; Nov. 11.
- Calender roll. A. Lade. 1,785,265; Dec. 16.
- Calender, Rubber. P. E. Welton. 1,751,116; Mar. 18.
- Calender rolls and the like, Mounting of. G. F. Barrett. 1,785,886; Dec. 23.
- Calenders, Controlling feed of rubber. A. Allen. 1,743,302; Jan. 14.
- Calf, Artificial. J. G. Baldea. 1,747,965; Feb. 18.
- Calf weaner. J. E. Nickell. 1,769,231; July 1.
- Calibrating instruments. L. E. Hildebrand. 1,755,117; Apr. 15.
- Caliper and divider, Combination. F. M. Nolder. 1,750,486; Mar. 11.
- Calipers. J. J. Young. 1,786,325; Dec. 23.
- Calipers, Combination. A. H. Roos. 1,766,546; June 24.
- Calk, Detachable horseshoe. W. H. Krug and C. G. Akerberg. 1,772,609; Aug. 12.
- Calk for football shoes. A. Stelzer. 1,768,426; June 24.
- Calking ring. H. C. Burt. 1,764,675; June 17.
- Call-distributing system. G. G. Light, H. W. Drake, M. A. Rudd, and W. B. Blanton. 1,778,679; Oct. 14.
- Call register. A. Pentecost. 1,763,719; June 17.
- Call system. I. J. Lichter. 1,780,711; Nov. 4.
- Calling-card box, Coin-controlled. G. Antizzo and G. La-torraca. 1,752,718; Apr. 1.
- Calling device. H. Sengebusch. 1,770,554; July 15.
- Calling device, Selective. W. J. Davis. 1,763,390; June 10.
- Calorimeter, Gas. J. P. Fisher. 1,779,373; Oct. 21.
- Calorimeter, Gas. S. W. Parr. 1,778,958; Oct. 21.
- Calorimeter, Gas. S. W. Parr. 1,779,371-2; Oct. 21.
- Calorimeter, Steam. L. M. Ellison. 1,742,203; Jan. 7.
- Calorimetric bomb for the catalysis of ammonia. G. Cicali. 1,744,750; Jan. 28.
- Cam. J. P. Hess. 1,785,736; Dec. 23.
- Cam. J. O. McKean. 1,751,938; Mar. 25.
- Cam, Adjustable. H. F. Elliott. 1,763,957; June 17.
- Cam, Adjustable control. W. W. Landsiedel. 1,765,340; June 17.
- Cam and lever radial motor, Four-cylinder, four-cycle. D. Perlman. 1,777,179; Sept. 30.
- Cam-assembly lifting means, Control. W. W. Landsiedel. 1,743,897; Jan. 14.
- Cam engine. G. M. Ball. 1,775,635; Sept. 16.
- Cam mechanism. W. E. Goldsborough. 1,769,686; July 1.
- Cam mechanism. S. Hunt. 1,755,956; Apr. 22.
- Cam motor, Double. W. G. Dunn. 1,774,087; Aug. 26.
- Cam, Multiple. F. K. Benedict. 1,742,843; Jan. 7.
- Cam-operated mechanisms, Stabilizer for. W. R. Markwick. 1,778,459; Oct. 14.
- Cam plate. R. E. Erven. 1,777,078; Sept. 30.
- Cam ring, Segmental. H. Swinglehurst. 1,785,603; Dec. 16.
- Cam structure. W. J. Miller. 1,773,539; Aug. 19.
- Cam, Variable nose. M. C. Horine. 1,757,046; May 6.
- Cambers in automobile wheels, Adjusting. J. S. Bushey. 1,761,516; June 3.
- Camera. L. Azarraga. 1,748,379; Feb. 25.
- Camera. J. K. Broderick. 1,778,208; Oct. 14.
- Camera. T. W. Case. 1,753,002; Apr. 1.
- Camera. D. Foreman. 1,762,054; June 3.
- Camera. L. S. Gordon. 1,754,356-7; Apr. 15.
- Camera. L. A. King. 1,773,106; Aug. 19.
- Camera. C. Motti. 1,755,452; Apr. 22.
- Camera. W. J. Nolan. 1,743,616; Jan. 14.
- Camera. W. J. Nolan. 1,776,445; Sept. 23.
- Camera, Aerial. A. Briechele. 1,782,864; Nov. 25.
- Camera and method of photography. J. F. Seitz. 1,787,023; Dec. 30.
- Camera and other optical projection device. G. W. Ford. 1,781,501; Nov. 11.
- Camera and paper-supplying mechanism, combination printing. S. M. Hersberg. 1,754,890; Apr. 15.
- Camera and the like, Motion-picture. A. S. Howell. 1,767,847-8; June 24.
- Camera attachment. L. F. Douglass. 1,755,105; Apr. 15.
- Camera attachment. H. F. Prefontaine. 1,769,458; July 1.
- Camera attachment for making artificial reflections. J. H. Sussman. 1,755,036; Apr. 15.
- Cameras, Audible footage meter and exposed film indicator for motion-picture. A. C. Hayden. 1,787,271; Dec. 30.
- Camera, Automatic. B. D. Chamberlin. 1,764,066; June 17.
- Camera, Binocular nonstop motion-picture. H. K. Fairall. 1,784,515; Dec. 9.
- Camera carrying and supporting means. T. C. Willson. 1,749,012; Mar. 4.
- Camera casing or the like. W. D. Teague. Des. 82,918; Dec. 23.
- Camera, Cinema. E. Goldberg. 1,772,774; Aug. 12.
- Camera, Cinematographic. O. Fischer. 1,772,772; Aug. 12.
- Camera, Cinematographic. E. Goldberg and O. Fischer. 1,779,468; Oct. 28.
- Camera, Combined motion-picture and sound. E. I. Sponable. 1,777,682; Oct. 7.
- Camera for color cinematography. P. D. Brewster. 1,752,477; Apr. 1.
- Camera for photographing the eyeball. F. Pfeiffer and T. Kuhl. 1,760,208; May 27.

- Camera-lens carriage and track latch. C. C. Fuerst. 1,750,222; Mar. 11.
- Camera, Motion-picture. J. D. Elms. 1,783,463; Dec. 2.
- Camera, Motion-picture. H. A. de Vry. 1,758,221; May 13.
- Camera mounting. A. Fried. 1,780,585; Nov. 4.
- Camera, Photographic. J. H. Johnson. 1,750,758; Mar. 18.
- Camera, Photographic. J. W. L. Koehne. 1,755,220; Apr. 22.
- Camera, Photographic. F. H. Owens. 1,753,622; Apr. 8.
- Camera, Photographic. T. C. Willson. 1,749,523; Mar. 4.
- Camera, Photographic film. R. Reiterer and J. C. Hofmann. 1,746,741; Feb. 11.
- Camera, Positioning and holding sensitized paper onto the exposing table or board of an enlarging and reducing photographic. C. G. Lowen. 1,745,900; Feb. 4.
- Camera sextant. M. R. Pierce. Re17,790; Sept. 2.
- Camera, Sound and picture recording. L. De Forest. 1,761,619; June 3.
- Camera, Sound-insulated. G. N. Ball. 1,779,653; Oct. 28.
- Camera strap for measuring distances. P. R. Straus. 1,750,370; Mar. 11.
- Camera, Transformer printing. W. Herriott. 1,778,027; Oct. 14.
- Camera tripod. E. de Moulin. 1,780,225; Nov. 4.
- Camera with clockwork driving mechanism, Cinematograph. E. Goldberg and O. Fischer. 1,750,401; Mar. 11.
- Cameras and camera stand. D. C. Beidler and A. J. Viken. 1,743,184; Jan. 14.
- Cameras, Autographic attachment for. H. M. Tucker. 1,777,904; Oct. 7.
- Cameras, Color-screen accessory for. F. H. Owens. 1,754,282; Apr. 15.
- Cameras, Film-shifting device for. B. A. Slocum. 1,747,328; Feb. 18.
- Cameras, Film-strip-feeding means for. S. Hirsch. 1,775,643; Sept. 16.
- Cameras, Focus and finding apparatus for motion-picture. O. A. Ross. 1,777,419; Oct. 7.
- Cameras, Focusing device for. N. McClintock and T. M. Aiken. 1,742,661; Jan. 7.
- Cameras, Focusing device for. A. Ulbing. 1,744,691; Jan. 21.
- Cameras, Focusing device for view-taking cinematographic. J. Méry. 1,744,788; Jan. 28.
- Cameras from a distance, Operating. W. T. McCarthy. 1,743,787; Jan. 14.
- Cameras, Multiple-exposure device for. W. A. Wade. 1,748,687; Feb. 25.
- Cameras, Scale and attachment for reducing and enlarging. A. Fruwirth. 1,755,177; Apr. 22.
- Cameras, Shutter for photographic. S. Hirsch. 1,781,923; Nov. 18.
- Camping installation. J. L. J. R. Verdini. 1,748,809; Feb. 25.
- Can: See—
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| Collar can. | Oil can. |
| Compartment can. | Oil measuring and dispensing can. |
| Dispensing can. | Paper can. |
| Garbage can. | Pouring can. |
| Grease can. | Sifter can. |
| Measuring and dispensing can. | Tobacco can. |
| Novelty can. | Waste can. |
- Can. W. E. Burns. 1,747,618; Feb. 18.
- Can. J. Dister. 1,773,263; Aug. 19.
- Can. H. Heitlage. 1,759,009; May 20.
- Can. E. Hildebrandt. 1,755,297; Apr. 22.
- Can. H. Schrader. 1,742,879; Jan. 7.
- Can. H. Sebell. 1,748,800; Feb. 25.
- Can. F. Westerbeck. 1,746,807; Feb. 11.
- Can and can-opening device. S. M. Manley and H. Heitlage. 1,778,602; Oct. 14.
- Can bodies and method thereof, Nested. W. M. Tomkins. 1,765,182; June 17.
- Can bodies, Mechanism for operating on. W. Cameron. 1,765,758; June 24.
- Can bodies, Nesting. N. J. Schaal. 1,755,666; Apr. 22.
- Can-body-forming machines, Feed device for. M. B. Troyer. 1,780,049; Oct. 28.
- Can-body machines, Expander and clamp mechanism for. N. Troyer and P. E. Pearson. 1,750,550; Mar. 11.
- Can-body maker. J. F. Peters. 1,773,277; Aug. 19.
- Can-body maker. W. E. Taylor. 1,773,890; Aug. 26.
- Can-body makers, Attachment for. J. H. Renshaw. 1,787,324; Dec. 30.
- Can-body-making machine. N. Troyer. 1,772,820; Aug. 12.
- Can-body-making machines, Marginal hook-forming mechanism for. P. Kruse. 1,764,318; June 17.
- Can-boxing machine. C. M. Hesson and W. J. Koch. 1,780,424; Nov. 4.
- Can-capping mechanism. T. J. Smulski. 1,767,818; June 24.
- Can cap-seaming mechanism, Square-. W. Cameron. 1,752,328; Apr. 1.
- Can cleaning and sterilizing apparatus. M. Pearson. 1,763,321; June 10.
- Can-closing device. S. P. Miller. 1,744,407; Jan. 21.
- Can-closing machine. A. L. Kronquest. 1,752,912; Apr. 1.
- Can-closing machine. J. Wery. 1,780,729; Nov. 4.
- Can-delivering and cover-applying mechanism. H. D. Lathrop and W. H. Paulson. 1,765,594; June 24.
- Can-ejecting mechanism. W. H. Paulson. 1,756,522; Apr. 29.
- Can-end drier, Rotary. H. J. Paynter. 1,754,483; Apr. 15.
- Can-end-drying machine. N. Troyer and R. M. Mero. 1,765,183; June 17.
- Can-end-feeding mechanism. J. Coyle and W. Plumb. 1,750,391; Mar. 11.
- Can ends, Method of and machine for lining. W. F. Butler. 1,746,416; Feb. 11.
- Can filler. L. Buehler, jr. 1,773,091; Aug. 19.
- Can-filling machine. J. C. Bruno. 1,774,475; Aug. 26.
- Can-filling machine. F. Clark. 1,761,653; June 3.
- Can-filling machine. F. A. Foster. 1,758,508; May 13.
- Can-filling machine. O. H. Hansen. 1,756,548; Apr. 29.
- Can-filling machine. O. H. Hansen. 1,778,216; Oct. 14.
- Can-filling machine. A. E. Roe. 1,766,147; June 24.
- Can-filling machine. C. T. Small. 1,766,263; June 24.
- Can-filling press. F. Blattner, jr. 1,747,813; Feb. 18.
- Can for ejecting liquid, Oil. L. Chase. 1,775,512; Sept. 9.
- Can for pruning shears, Oil. H. Nishinaka. 1,756,129; Apr. 29.
- Can-heading machines, Feed mechanism for. C. Gueritey. 1,747,626; Feb. 18.
- Can-heating device. F. A. Bienvenu. 1,768,560; July 1.
- Can lifter. W. E. Culp. 1,775,309; Sept. 9.
- Can-making machine. G. O. Frostad and J. E. Anuen. 1,749,279; Mar. 4.
- Can-making machinery and apparatus. W. K. Cabot. 1,784,131; Dec. 9.
- Can-making machinery, Line control for. L. L. Jones. 1,784,358; Dec. 9.
- Can-mangling machine. W. C. Bruton. 1,766,327; June 24.
- Can opener. R. T. Chase. 1,759,345; May 20.
- Can opener. C. Cotton and I. P. Duncan. 1,766,109; June 24.
- Can opener. H. Falla and F. Bergami. 1,765,222; June 17.
- Can opener. J. H. Grube. 1,754,552; Apr. 15.
- Can opener. A. C. Grunwald. 1,754,315; Apr. 15.
- Can opener. S. A. Haines. 1,768,980; July 1.
- Can opener. C. A. Henry. 1,772,665; Aug. 12.
- Can opener. J. H. Hilliard. 1,756,487; Apr. 29.
- Can opener. J. Kovats. 1,771,493; July 29.
- Can opener. J. Kovats. 1,785,384; Dec. 16.
- Can opener. C. A. Liquori. 1,787,046; Dec. 30.
- Can opener. R. M. Quigg. 1,759,364; May 20.
- Can opener. W. P. Schaap. 1,764,648; June 17.
- Can opener. M. Ueyehara. 1,769,609; July 1.
- Can opener. L. R. Whitney. 1,756,613; Apr. 29.
- Can opener of the type more properly termed cover lifter. J. J. Floyd. 1,775,426; Sept. 9.
- Can opener, Portable. C. D. Cummings. 1,756,633; Apr. 29.
- Can-opening apparatus. D. P. Sawyer. 1,751,251; Mar. 18.
- Can pouring apparatus. L. Bemelmans. 1,767,504; June 24.
- Can puncher. G. W. Druhe. 1,763,391; June 10.
- Can-sealing machine. C. Nelson. 1,777,761; Oct. 7.
- Can-sealing machine. H. Sebell. 1,773,758; Aug. 26.
- Can spout. J. R. Kahle. 1,761,477; June 3.
- Can spout, Salt-. D. G. Magill. 1,754,476; Apr. 15.
- Can testers, Syphon-bellows detector for sanitary. V. Wood. 1,746,296; Feb. 11.
- Can-testing machine. A. Johnson. 1,754,321; Apr. 15.
- Can-testing machine. L. H. Peters. 1,753,903; Apr. 8.
- Can-top lock. C. E. Anderson. 1,780,575; Nov. 4.
- Can variable feeding mechanism, Milk-. E. Hageline. 1,743,135; Jan. 14.
- Can-washing machine. H. Krause. 1,785,352; Dec. 16.
- Can-washing machine. O. Larsen. 1,774,981; Sept. 2.
- Can with insertable nozzle, Oil. F. Schrader. 1,748,680; Feb. 25.
- Canned goods, Apparatus for sterilizing. A. R. Thompson. 1,754,532; Apr. 15.
- Canned goods, Sterilizing. A. R. Thompson. 1,754,584; Apr. 15.
- Canning. A. K. Malmquist. 1,751,642; Mar. 25.
- Canning apparatus. W. E. Lacey. 1,759,357; May 20.
- Canning machine. F. C. Krueger. 1,762,443; June 10.
- Canning pineapple and product thereof. J. T. McCrosson. 1,782,761; Nov. 25.
- Cans, Apparatus for detecting leaky. R. M. Garrett. 1,766,019; June 24.
- Cans, Apparatus for embossing. W. H. Haupt. 1,780,890; Nov. 4.
- Cans, Apparatus for treating the contents of filled. G. D. Gardner. 1,742,244; Jan. 7.
- Cans, Attachment for oil. E. H. Morrow. 1,767,223; June 24.
- Cans, Attachment for oil. E. H. Morrow. 1,782,579; Nov. 25.
- Cans, Construction for and evacuating. L. W. Hills. 1,766,173; June 24.
- Cans in ice-cream cabinets, Method and apparatus for positioning and sealing ice-cream. L. G. Copeman. 1,786,827; Dec. 30.
- Cans, Making. H. Sebell. 1,762,532; June 10.
- Cans, Method of and apparatus for testing. L. H. Peters. Re17,697; June 10.
- Cans, tubes, and the like, Cap for. R. A. McClure.
- Canals or the like, Apparatus for producing. W. F. Hahne-man. 1,753,860; Apr. 8.
- Candelabra. A. M. Goldstone. 1,750,171; Mar. 11.
- Candle. J. W. Farrell. Des. 81,326; June 10.
- Cardle. J. B. Harding. Des. 81,833; Aug. 19.

- Candle, Electric wreath. H. L. Berman. 1,742,893; Jan. 7.
- Candlestick or article of analogous nature. F. J. Abel. Des. 80,993; Apr. 22.
- Candlestick or article of analogous nature. V. Raffaelli. Des. 82,107; Sept. 23.
- Candlestick or similar article. G. N. Allen. Des. 80,472; Feb. 11.
- Candy. I. H. Vander Gheynst. 1,781,636; Nov. 11.
- Candy canes, Packaging. B. O. Westerfield. 1,755,234; Apr. 22.
- Candy-coating machine. O. E. Segrin. 1,750,865; Mar. 18.
- Candy confection and producing the same. L. G., H. E., and E. R. James. 1,747,116; Feb. 11.
- Candy-cutting machine. D. T. Igou. 1,756,750; Apr. 29.
- Candy, Forming. W. B. Laskey. 1,765,874; June 24.
- Candy-forming machine, Plastic. R. F. Morrison. 1,759,411; May 20.
- Candy, Making. H. G. Granger. 1,765,867; June 24.
- Candy-making machinery. L. Gahn. 1,775,277; Sept. 9.
- Candy-making system and method. D. G. Steely. 1,778,537; Oct. 14.
- Candy, Method of and apparatus for cooking. W. P. Reed. 1,756,662; Apr. 29.
- Candy molding. K. W. Hompe. 1,785,904; Dec. 23.
- Candy-slab divider. H. J. Melville and H. E. Atchison. 1,765,990; June 24.
- Cane-crushing apparatus. F. Maxwell. 1,781,186; Nov. 11.
- Cane cutter. W. H. Morgan. 1,785,743; Dec. 23.
- Cane cutter. M. Sasaki. 1,756,664; Apr. 29.
- Cane cutting and delivering mechanism. H. Johnson and W. A. Ramsay. 1,761,987; June 3.
- Cane mill. F. Maxwell. 1,752,533; Apr. 1.
- Cane or similar article. W. T. Burnes. Des. 80,357; Jan. 21.
- Cane stalks, Apparatus for preparing. W. H. Morgan, sr. 1,751,838; Mar. 25.
- Cane-stripping machine. R. E. L. Binion. 1,744,737; Jan. 28.
- Canister. V. Van der Linde. 1,747,805; Feb. 18.
- Cannon, Gas. C. C. Blackmore. 1,765,562; June 24.
- Canopy. A. J. Auble. 1,775,383; Sept. 9.
- Canopy. G. Hopp. 1,759,117; May 20.
- Canopy, Beach. M. J. Peterson. 1,784,199; Dec. 9.
- Canopy for cars. V. Milstein. 1,770,084; July 8.
- Canopy for funerals. E. F. Schultz. Des. 82,396; Oct. 28.
- Canopy for lighting fixtures. C. F. Haas. Des. 82,373; Oct. 28.
- Canopy for lighting fixtures. R. W. Schweiker. 1,761,090; June 3.
- Canopy for lighting fixtures or similar articles. O. Hoffmann. Des. 81,443; June 24.
- Canopy for motor cars. R. I. Mussellwhite. 1,773,006; Aug. 12.
- Canopy or hover for brooders. R. T. Williams. 1,757,890; May 6.
- Canopy, Sidewalk. C. M. Wickstrum. 1,761,901; June 3.
- Canopy, Tractor. E. J. Tucker. 1,765,639; June 24.
- 1,762,873; June 10.
- Cantilever wings against torsional deflation, Bracing. A. E. L. Chorlton, R. A. de Haig and H. J. Stieger. 1,772,206; Aug. 5.
- Caoutchouc, and the product derived therefrom, Vulcanizing. L. B. Sebrell. 1,779,375; Oct. 21.
- Caoutchouc, Manufacture of sea. C. A. Houques-Fourcade. 1,772,218; Aug. 5.
- Caoutchouc plates, Manufacturing raw. H. Debor. 1,781,370; Nov. 11.
- Caoutchouc, Vulcanizing. L. B. Sebrell. 1,757,944; May 6.
- Cap. D. J. Cremen. Re17,620; Mar. 11.
- Cap. A. Goldstein. 1,755,293; Apr. 22.
- Cap. C. D. Hollenbeck. 1,787,378; Dec. 30.
- Cap. M. M. Husman. 1,766,749; June 24.
- Cap. I. Spoonmore. Des. 81,816; Aug. 12.
- Cap, Adjustable. J. Carlson. 1,764,505; June 17.
- Cap and cork remover, Wall bottle. J. A. Hoegger. 1,775,164; Sept. 9.
- Cap, and making same, Knitted. A. Rosenberg. 1,781,196; Nov. 11.
- Cap and making the same. J. C. Sutton. 1,769,761; July 1.
- Cap and making the same, Knitted. D. Karger. 1,787,043; Dec. 30.
- Cap and shell casing, Molded. A. H. Nero. 1,773,690; Aug. 19.
- Cap and tube for tooth paste and the like. E. E. Sturk. 1,761,693; June 3.
- Cap, Aviator's. F. Tamborello. 1,774,246; Aug. 26.
- Cap, Bath. M. M. Husman. 1,742,314; Jan. 7.
- Cap, Bathing. H. A. Bauman. Des. 80,930; Apr. 8.
- Cap, Bathing. A. G. Greene. Des. 81,441; June 24.
- Cap, Bathing. T. J. Howland. 1,746,427; Feb. 11.
- Cap, Bathing. T. J. Howland. 1,746,477; Feb. 11.
- Cap, Bathing. T. J. Howland. 1,771,177-8; July 22.
- Cap, Contraction center-strip mold. R. R. Robertson. 1,763,369; June 10.
- Cap, Cover-all. A. Meldrum. 1,776,564; Sept. 23.
- Cap, Dust. H. Weingart. 1,747,918; Feb. 18.
- Cap feeder. A. I. Risser. 1,775,255; Sept. 9.
- Cap-feeding device. A. I. Risser. 1,775,141; Sept. 9.
- Cap for bottles, Hood. G. J. Manson. 1,743,280; Jan. 14.
- Cap for collapsible tubes. M. Judkins. 1,768,986; July 1.
- Cap for crank casings, Breather. C. W. Hollingsworth. 1,775,557; Sept. 9.
- Cap for hot tops. E. L. Messler and J. M. Guthrie. 1,765,382; June 24.
- Cap for jars and the like. A. C. Lusher. 1,745,498; Feb. 4.
- Cap for milk bottles, Tip-back. E. G. Anderson. 1,770,057; July 8.
- Cap, Hub. M. H. Toncray. Des. 82,594; Nov. 18.
- Cap, Knitted. P. Iwan. Des. 80,730; Mar. 18.
- Cap, Milk-bottle. J. E. Budd. 1,745,473; Feb. 4.
- Cap-securing means, Milk-. B. G. Campbell. 1,762,506; June 10.
- Cap, Uniform. A. R. Stern. Des. 82,590; Nov. 18.
- Capping apparatus. L. D. Titus. 1,763,020; June 10.
- Capping appliance. A. I. Risser. 1,748,961; Mar. 4.
- Capping machine. A. J. Jonsson. 1,753,789; Apr. 8.
- Capping machine. H. J. Leberherz. 1,744,076; Jan. 21.
- Capping machine. G. W. Mudd. 1,746,271; Feb. 11.
- Capping machine. A. I. Risser. 1,748,960; Mar. 4.
- Capping machine, Bottle-. J. Askey. 1,751,022; Mar. 18.
- Capping machine, Bottle-. R. N. Cundall. 1,754,461; Apr. 15.
- Capping machine, Can-. J. J. Lach. 1,760,859; May 27.
- Capping mechanism. J. J. Mojonner, H. R. Phillips, and H. J. Clarke. 1,750,419; Mar. 11.
- Capping melter, Centrifugal. J. W. Wood. 1,776,962; Sept. 30.
- Caps and analogous articles, Apparatus for making bathing. J. Stein and M. Katcher. 1,746,845; Feb. 11.
- Caps, Combined forming and thread-rolling mechanism for. W. Cameron. 1,747,465; Feb. 18.
- Caps, Removing crimped. F. L. Darling. 1,777,077; Sept. 30.
- Caps, Retaining device for. C. H. Behnke. 1,749,462; Mar. 4.
- Capacitors, Manufacturing. S. A. Beyland. 1,766,370; June 24.
- Capillary tubes, Apparatus for making. K. L. Tate. 1,750,372; Mar. 11.
- Caponizing instrument. C. F. Cridland. 1,752,891; Apr. 1.
- Capstan. A. E. Norris. 1,755,187; Apr. 22.
- Capsule, Insoluble. G. H. Lee. 1,778,264; Oct. 14.
- Capsule of regenerated cellulose and preparing same, Nontransparent and glossy. J. Voss and O. Schnecko. 1,778,096; Oct. 14.
- Capsule or the like, Duplex. R. A. English. 1,774,258; Aug. 26.
- Capsuling apparatus. L. G. Davies. 1,758,433; May 13.
- Car. H. P. Field. 1,778,828; Oct. 21.
- Car. F. E. Smith. 1,772,162; Aug. 5.
- Car, Amusement. J. C. Luske. 1,754,172; Apr. 8.
- Car and steam locomotive, Combination railway. C. B. Favery. Des. 80,992; Apr. 15.
- Car and the like, Cane. W. B. Gregg. 1,763,698; June 17.
- Car, Armored. K. Danker. 1,780,518; Nov. 4.
- Car, Articulated. F. M. Brinkerhoff. 1,765,649; June 24.
- Car, Articulated. R. W. Joy. 1,748,132; Feb. 25.
- Car, Articulated. E. Latshaw. 1,754,111; Apr. 8.
- Car, Articulated. E. R. Viberg. 1,769,556; July 1.
- Car-attached derail. J. T. Dobbie and J. Todd. 1,777,788; Oct. 7.
- Car body, Cast-metal. A. W. Albrecht. 1,749,756; Mar. 11.
- Car body, Cast-metal. A. W. Albrecht. 1,762,375; June 10.
- Car body, Convertible. F. López-Orsorio. 1,772,672; Aug. 12.
- Car body or car top, Dumping. T. G. Jungerson. 1,749,587; Mar. 4.
- Car body, Transformable motor. F. López-Orsorio. 1,782,998; Nov. 25.
- Car brace, Box-. J. A. Byington. 1,781,318; Nov. 11.
- Car brake, Railway-. J. M. Suarez. 1,749,362; Mar. 4.
- Car, Cable. B. W. Ryan. 1,748,798; Feb. 25.
- Car, Center-discharge ore. A. E. Zimmer. 1,765,519; June 24.
- Car classification system, Railway-. C. W. Prescott. 1,744,011; Jan. 14.
- Car, Collapsible kiddy. T. G. Shannon. 1,751,765; Mar. 25.
- Car, Combined refrigerating and freight. P. J. Kelly. 1,773,460; Aug. 19.
- Car construction. A. Campbell. 1,774,870; Sept. 2.
- Car construction. G. E. Coutant. 1,749,874; Mar. 11.
- Car construction. W. F. Dietrichson. 1,784,484; Dec. 9.
- Car construction. O. C. Duryea. 1,752,335; Apr. 1.
- Car construction. O. C. Duryea. 1,776,313; Sept. 23.
- Car construction. W. A. Geiger. 1,747,825; Feb. 18.
- Car construction. E. J. Hall. 1,743,211; Jan. 14.
- Car construction. S. B. Haseltine. 1,751,151; Mar. 18.
- Car construction. S. B. Haseltine. 1,755,582; Apr. 22.
- Car construction. S. B. Haseltine. 1,764,444-6; June 17.
- Car construction. S. B. Haseltine. 1,765,833; June 24.
- Car construction. S. B. Haseltine. 1,766,630-31; June 24.
- Car construction. S. B. Haseltine. 1,769,688-92; July 1.
- Car construction. G. A. Johnson and S. B. Haseltine. 1,765,835; June 24.
- Car construction. E. H. Lehman. 1,747,447; Feb. 18.
- Car construction. E. H. Lehman. 1,769,700; July 1.
- Car construction. W. H. Miner. 1,755,405; Apr. 22.
- Car construction. J. F. O'Connor. 1,755,409-10; Apr. 22.
- Car construction. J. F. O'Connor. 1,769,709-10; July 1.
- Car construction. J. F. O'Connor. 1,775,614; Sept. 9.
- Car construction. J. F. O'Connor. 1,779,140; Oct. 21.
- Car construction. J. F. O'Connor. 1,782,211; Nov. 18.

- Car construction. R. J. Olander. 1,778,957; Oct. 21.
 Car construction. A. C. Schmohl. 1,758,857; May 13.
 Car construction. A. C. Schmohl. 1,762,245; June 10.
 Car construction. K. J. Tobin, F. C. Heinen, and J. P. McWilliams. 1,742,835; Jan. 7.
 Car construction, Amusement-. R. J. Lusse. 1,754,112; Apr. 8.
 Car construction, Hopper-. W. E. Wine. Re17,807; Sept. 16.
 Car construction, Railway-. G. G. Gilpin. 1,756,352; Apr. 29.
 Car construction, Railway-. G. G. Gilpin. 1,770,691; July 15.
 Car construction, Railway-. W. P. Murphy. 1,773,403; Aug. 19.
 Car construction, Railway-. V. E. Sisson. 1,775,973; Sept. 16.
 Car construction, Railway-. A. E. Small. 1,746,561; Feb. 11.
 Car construction, Sleeping-. W. E. Knoell. 1,773,269; Aug. 19.
 Car coupler. W. Kelso. 1,746,656; Feb. 11.
 Car coupler. A. Wakenshaw. 1,762,041; June 3.
 Car-coupler mechanism. W. Kelso. 1,783,655; Dec. 2.
 Car-coupler-operating device. G. G. Gilpin. 1,746,585; Feb. 11.
 Car-coupler-operating device. C. W. Nicholas. 1,746,601; Feb. 11.
 Car coupling. A. Amrhein. 1,764,594; June 17.
 Car coupling. F. W. Henrikson. 1,751,154; Mar. 18.
 Car coupling. D. M. Peebles. 1,775,049; Sept. 2.
 Car coupling, Transition. W. McConway, jr., and W. Kelso. 1,761,449; June 3.
 Car-door jack. J. T. R. Conrad. 1,768,544; July 1.
 Car, Dump. A. S. Barrows. 1,774,125; Aug. 26.
 Car, Dump. W. L. Burner. 1,757,038; May 6.
 Car, Dump. B. E. Cheely. 1,746,103; Feb. 4.
 Car dump. E. H. Kidder. 1,768,847; July 1.
 Car, Dump. N. S. Reeder. 1,765,700; June 24.
 Car dump-registering means, Mine-. J. J. and R. A. Body. 1,785,433; Dec. 16.
 Car dumper. A. F. Case. 1,757,932; May 6.
 Car dumper. E. H. Kidder. 1,768,849; July 1.
 Car dumper. G. N. Simpson. 1,781,606; Nov. 11.
 Car-dumper clamp. A. F. Case. 1,753,456; Apr. 8.
 Car-dumper control. A. F. Case. 1,774,129; Aug. 26.
 Car dumper, Rotary. E. H. Kidder. 1,768,848; July 1.
 Car dumper, Rotary. E. H. Kidder. 1,770,275; July 8.
 Car end, Metal. W. E. Van Dorn. 1,766,857; June 24.
 Car feeder. G. N. Simpson. 1,742,789; Jan. 7.
 Car for amusement devices. H. F. Cushner. Des. 82,733; Dec. 9.
 Car for amusement rides. H. G. Traver. 1,785,989; Dec. 23.
 Car for racing apparatus, Electrically-operated. G. W. Heintz. 1,764,627; June 17.
 Car, Freight. W. E. Wine. Re17,590-1; Feb. 11.
 Car, Freight container. E. S. Clarkson. 1,761,873; June 3.
 Car, Freight container. E. S. Clarkson. 1,761,874; June 3.
 Car, Funeral. S. Paul. 1,780,718; Nov. 4.
 Car handling and painting apparatus. A. R. Kipp. 1,742,771; Jan. 7.
 Car heater, Motor-. C. S. Pelton. 1,745,316; Jan. 28.
 Car, High-speed articulated. W. S. Adams and E. Sling-luff, sr. 1,754,137; Apr. 8.
 Car, Hopper. A. Kassler. 1,760,601; May 27.
 Car, Hot-metal. C. P. Astrom. 1,757,000; May 6.
 Car, Hot-metal. C. P. Astrom. 1,785,292; Dec. 16.
 Car-identifying appliance. S. K. Wood. 1,762,677; June 10.
 Car, Interchangeable-container freight. G. C. Woodruff. 1,754,451; Apr. 15.
 Car-journal construction. W. L. Scribner. 1,784,467; Dec. 9.
 Car-lifting means. I. S. Carpenter. 1,776,884; Sept. 30.
 Car, Load-discharging. A. E. Zimmer. 1,768,728; July 1.
 Car loaders, Automatic means for controlling. C. H. Fugle, C. H. Osterberg, A. W. Maglein, and J. M. Trudo. 1,776,623; Sept. 23.
 Car-loading apparatus. R. T. Romine. 1,745,047; Jan. 28.
 Car-loading device. H. A. Mills and R. R. Mauk. 1,778,162; Oct. 14.
 Car, Metal box. W. E. Van Dorn. 1,774,115; Aug. 26.
 Car, Mine. L. Almquist. 1,784,477; Dec. 9.
 Car, Mine. A. Berasi. 1,769,939; July 8.
 Car, Mine. H. P. Field. 1,748,118; Feb. 25.
 Car, Mine. W. V. Johnson. 1,748,131; Feb. 25.
 Car, Mine. H. W. Sanford and P. S. McCallen. 1,762,667; June 10.
 Car, Mine. V. Willoughby. 1,784,472-3; Dec. 9.
 Car, Miniature motor. T. S. Hutchison. 1,779,096; Oct. 21.
 Car, Motor-cycle vending side. W. E. Cavadas. 1,755,593; Apr. 22.
 Car, Multiunit tank. V. Willoughby. 1,754,450; Apr. 15.
 Car or carriage, Baby. J. W. Leek. 1,786,663; Dec. 30.
 Car, Passenger. J. Malone. 1,774,803; Sept. 2.
 Car, Poultry. I. V. Edgerton. 1,744,873; Jan. 28.
 Car, Poultry. I. V. Edgerton. 1,784,685; Dec. 9.
 Car, Poultry. I. V. Edgerton. 1,786,427; Dec. 30.
 Car, Railroad. G. E. Titren. 1,773,763; Aug. 26.
 Car, Railway. W. S. Adams. 1,750,559; Mar. 11.
 Car, Railway. B. W. Kadel. 1,743,144; Jan. 14.
 Car, Railway. E. H. Mattingly. Re17,778; Aug. 26.
 Car, Railway. W. E. Wine. 1,754,705; Apr. 15.
 Car, Railway. W. E. Wine. 1,768,389; June 24.
 Car, Railway hopper. W. E. Wine. 1,754,135; Apr. 8.
 Car, Railway hopper. W. E. Wine. 1,756,075; Apr. 29.
 Car, Railway motor. C. G. Mahana. 1,745,630; Feb. 4.
 Car, Refrigerator. K. Edahl. 1,781,169; Nov. 11.
 Car, Refrigerator. O. Luhr. Re17,660; May 13.
 Car, Refrigerator. W. C. Stone. 1,760,182; May 27.
 Car replacer. G. T. Chambers. 1,768,567; July 1.
 Car replacing rail. T. Lippeatt, sr. 1,757,403; May 6.
 Car rerailer. E. J. McCarty. 1,784,741; Dec. 9.
 Car, Rescue. L. Y. Spear. 1,753,482; Apr. 8.
 Car retarder. L. E. Endsley. 1,767,440; June 24.
 Car retarder. L. F. Howard. 1,778,528; Oct. 14.
 Car retarder. A. L. Vencill. 1,761,649; June 3.
 Car retarder for classification yards. C. W. Prescott. 1,766,537; June 24.
 Car retarder, Railway-. H. L. Bone. 1,778,518-19; Oct. 14.
 Car retarder, Railway-. H. L. Bone. 1,786,286; Dec. 23.
 Car retarder, Railway-. W. C. McWhirter. 1,778,531; Oct. 14.
 Car-retarder system. W. K. Howe. 1,757,428; May 6.
 Car-retarder system for railroads. C. W. Prescott. 1,766,539; June 24.
 Car-retarding device. G. Holmes and A. Allen. 1,758,836; May 13.
 Car roof. W. D. Thompson. 1,781,483; Nov. 11.
 Car roofs, Combined junction cap and running-board saddle for. D. W. Hawksworth. 1,775,524; Sept. 9.
 Car-runway construction, Railway-. R. W. Coe and M. M. Bacon. 1,755,241; Apr. 22.
 Car seal. I. E. Day. 1,781,540; Nov. 11.
 Car seat. A. B. Bell. 1,746,986; Feb. 11.
 Car seat. J. M. Knight and V. Willoughby. 1,784,527; Dec. 9.
 Car seat. W. J. Mayer. 1,760,653; May 27.
 Car seat. J. J. Tatum. 1,749,518; Mar. 4.
 Car, Self-propelled railway. E. J. Hall. 1,748,125; Feb. 25.
 Car shipping appliance, Freight-. G. Borowka. 1,751,788; Mar. 25.
 Car, Sleeping. C. W. Pfleger. 1,783,480; Dec. 2.
 Car springs, Shock-absorbing shackled suspension for. E. Smogrovics. 1,759,633; May 20.
 Car stake-straightening device, Coal-. C. E. Strausbaugh. 1,787,095; Dec. 30.
 Car structure, Hopper-. W. M. Sheehan. 1,745,124; Jan. 28.
 Car structure, Sleeping-. C. H. Turner. 1,763,490; June 10.
 Car-tacking indicator. D. Massardo. 1,764,217; June 17.
 Car tippie, Mine-. W. F. Deaderick. 1,743,958; Jan. 14.
 Car, Tourist. H. W. Berneking. 1,771,911; July 29.
 Car-truck spring, Railway-. C. Hankins. 1,764,720; June 17.
 Car, Tunnel-kiln. G. D. Morris. 1,755,701; Apr. 22.
 Car-unloading device. R. W. Patten, M. A. Vrabel, J. F. Gombar, and W. H. Bell. 1,759,757; May 20.
 Car ventilator. W. H. Mussey. 1,772,677; Aug. 12.
 Car vestibule and door arrangement. E. F. Carry. 1,755,239; Apr. 22.
 Car-vestibule diaphragm. W. H. Mussey. 1,773,822; Aug. 26.
 Car walk. J. Q. Gill. 1,773,842; Aug. 19.
 Car-washing apparatus. W. D. Pomeroy. 1,760,849; May 27.
 Car-washing system. B. S. Aikman. 1,780,991; Nov. 11.
 Car wheel. S. J. Barton. 1,759,083; May 20.
 Car wheel. F. B. Bell. 1,781,867; Nov. 18.
 Car wheel, Railway-. G. H. Emerson and J. J. Tatum. 1,783,705; Dec. 2.
 Car wind-wing bracket, Closed-. W. E. Shehan and G. Bell. 1,786,635; Dec. 30.
 Car with closed carriage body into a platform lorry. Transformer of a motor. W. Bliss. 1,786,693; Dec. 30.
 Cars, Apparatus for inverting mine. J. T. Morris. 1,754,395; Apr. 15.
 Cars, Apparatus for tipping and discharging railway. B. E. Ellson. 1,782,503; Nov. 25.
 Cars, Assembling composite hopper. J. J. McBride. 1,748,139; Feb. 25.
 Cars, Device for heating and ventilating suspended high-speed railway. F. Kruckenberg. 1,778,080; Oct. 14.
 Cars, Draft appliance for railway. E. George, jr. 1,746,647; Feb. 11.
 Cars, Hermetically-closing-up device for. A. Yakunin. 1,785,291; Dec. 16.
 Cars in classification yards, Facilitating operation of railway. C. W. Prescott. 1,766,538; June 24.
 Cars, Luggage unloader for railway. A. C. McCord. 1,755,785; Apr. 22.
 Cars, Manufacture of dump. L. E. Allen. 1,778,619; Oct. 14.
 Cars, Outlet leg and valve for tank. G. J. Max. 1,758,165; May 13.
 Cars, Pressing installation for freight. H. Bryson. 1,753,400; Apr. 8.
 Cars, Protection of electrical motor. A. Wichert. 1,769,091; July 1.
 Cars, Telltale mechanism for tank. R. E. Wilder. 1,743,743; Jan. 14.

- Cars, Vestibule mounting for high-speed articulated. W. S. Adams and E. Latshaw. 1,751,300; Mar. 18.
- Carafe. G. P. Ittig. Des. 80,316-17; Jan. 14.
- Carbazole-indophenol compounds and preparing the same. F. Ballauf, F. Muth, and A. Schmelzer. 1,781,966; Nov. 18.
- Carbohydrate ethers into a soluble state, Conversion of difficultly-soluble or insoluble. O. Leuchs. 1,767,382; June 24.
- Carbon and making the same, Active. J. van Loon. 1,782,493; Nov. 25.
- Carbon, Apparatus for producing active. J. N. A. Sauer. 1,759,138; May 20.
- Carbon bisulphide from gas, Removal of. W. J. Klaiber. 1,785,415; Dec. 16.
- Carbon bisulphide, Making. F. W. Vogel. 1,765,809; June 24.
- Carbon bisulphide, Recovering. C. J. Strosacker and J. I. Jones. 1,768,803; July 1.
- Carbon bisulphide, Recovering. C. J. Strosacker and J. I. Jones. 1,771,384; July 22.
- Carbon black, Apparatus for producing. C. F. Crommett. 1,772,984; Aug. 12.
- Carbon black, Apparatus for producing. W. Hunt. 1,773,002; Aug. 12.
- Carbon black, Apparatus for the production of. J. Macholtz. 1,746,003; Feb. 4.
- Carbon-copying set. J. F. Larkin. 1,743,822; Jan. 14.
- Carbon deposits from cylinders, Removing. T. Midgley, jr., and C. A. Hochwalt. 1,786,860; Dec. 30.
- Carbon deposits from oil apparatus, Apparatus for removing. L. C. Huff. 1,756,028; Apr. 29.
- Carbon dioxide at low temperatures, Process of and charge for producing. C. A. Thomas and C. A. Hochwalt. 1,777,338; Oct. 7.
- Carbon dioxide, Making and dispensing liquid. J. W. Martin, jr. 1,760,953; June 3.
- Carbon dioxide, Process and apparatus for melting solid. J. Stoffels. 1,742,975; Jan. 7.
- Carbon-dioxide-snow compressor. L. W. Hassensall. 1,768,059; June 24.
- Carbon dioxide, Storage and transportation of solid. C. L. Jones and J. D. Small. 1,786,161; Dec. 23.
- Carbon electrodes, Impregnating. O. A. Laubi. 1,779,242; Oct. 21.
- Carbon feed for arc lamps. L. A. Rosenbahn. 1,758,979; May 20.
- Carbon-feeding device for arc lamps and the like. L. C. Leoty. 1,748,073; Feb. 25.
- Carbon for electrotechnical uses and manufacture thereof. M. Oswald. 1,783,135; Nov. 25.
- Carbon impurities from tantalum, Removing. C. W. Balke. 1,754,453; Apr. 15.
- Carbon, Manufacture of activated. R. Threlfall. 1,777,943; Oct. 7.
- Carbon, Manufacture of activated. R. Defris and R. Wilder. 1,783,110; Nov. 25.
- Carbon, Manufacture of high-purity. D. Gardner. 1,780,154; Nov. 4.
- Carbon-monoxide consumer. W. S. Bailey. 1,750,342; Mar. 11.
- Carbon monoxide, Production and utilization of. L. Bradley. 1,742,750; Jan. 7.
- Carbon-pack and sheet-form holder. K. R. Dencklau. 1,761,106; June 3.
- Carbon paper, Apparatus for manufacturing. H. W. A. Dixon. 1,760,045; May 27.
- Carbon, Producing a finely-divided. N. Goodwin. 1,758,152; May 13.
- Carbon, Producing activated. O. Fuchs. 1,753,507; Apr. 8.
- Carbon product and preparing same, Active. H. Von Halban and O. Schober. 1,774,341; Aug. 26.
- Carbon, Reactivating, decolorizing. F. W. Meyer. 1,771,719; July 29.
- Carbon-removing device. P. Geaneas. 1,780,073; Oct. 28.
- Carbon resistance. H. Grob. 1,757,961; May 13.
- Carbonaceous deposits from oil apparatus, Apparatus for removing. L. C. Huff. 1,756,027; Apr. 29.
- Carbonaceous material and making the same. A. Oberle. 1,763,101-2; June 10.
- Carbonaceous material, Apparatus for treating. W. Rhoades. 1,743,394; Jan. 14.
- Carbonaceous material, Making. A. Oberle. 1,763,063; June 10.
- Carbonaceous material, Manufacture of absorbent. O. L. Barnebey and M. B. Cheney. 1,751,612; Mar. 25.
- Carbonaceous material, Method and apparatus for distilling solid. H. L. Doherty. 1,781,871; Nov. 18.
- Carbonaceous materials, Apparatus and process for distilling. W. C. Kirkpatrick. 1,770,984; July 22.
- Carbonaceous materials, Apparatus for carbonizing and distilling. W. W. O'Dell. 1,785,645; Dec. 16.
- Carbonaceous materials, Treatment of. R. Lessing. 1,780,830; Nov. 4.
- Carbonaceous substances, Distillation of. E. R. Sutcliffe. 1,767,231; June 24.
- Carbonates from β -tribromoethylalcohol, New water-soluble. J. Callisen. 1,775,587; Sept. 9.
- Carbonating apparatus. P. W. Shields. 1,746,873; Feb. 11.
- Carbonating machine. F. Neuschäfer and H. Botwin. 1,782,511; Nov. 25.
- Carbonating, Method and apparatus for. P. W. Shields. 1,768,158; June 24.
- Carbonator. F. E. Rice. 1,773,375; Aug. 19.
- Carbonization process and apparatus therefor. F. C. Greene and I. F. Laucks. 1,771,999; Aug. 5.
- Carbonizing and distilling carbonaceous materials such as lignite, coal, wood, peat, and similar materials. W. W. Odell. 1,747,731; Feb. 18.
- Carbonizing apparatus. O. H. Hertel. 1,783,190; Dec. 2.
- Carbonizing or distilling materials, Apparatus for. S. McEwen. 1,749,641; Mar. 4.
- Carbonizing process. W. E. Trent. 1,781,613; Nov. 11.
- Carbons, Manufacture of absorbent. O. L. Barnebey. 1,774,585; Sept. 2.
- Carbonyl compound and preparing the same. S. A. Kiss. 1,767,291; June 24.
- Carburation apparatus. C. John. 1,779,408; Oct. 28.
- Carburation device. F. C. F. Portail. 1,752,506; Apr. 1.
- Carbureting apparatus. A. Kolko. 1,769,925; July 8.
- Carbureting device. W. A. Edwards. 1,771,530; July 29.
- Carbureting device for caloric motors. C. Bjork. 1,763,948; June 17.
- Carbureting means. C. A. Musall. 1,767,305; June 24.
- Carburetion apparatus. F. C. Mock and J. A. Diener. 1,777,472; Oct. 7.
- Carburetion system and system of control therefor. O. A. Ross. 1,744,082; Jan. 21.
- Carburetor. A. Abrate. 1,759,498; May 20.
- Carburetor. G. Ashton and G. Frei. 1,778,444; Oct. 14.
- Carburetor. J. Astrom. 1,756,580; Apr. 29.
- Carburetor. E. G. Atkins. 1,787,230; Dec. 30.
- Carburetor. A. D. Austin. 1,751,461; Mar. 25.
- Carburetor. F. O. and T. M. Ball. 1,777,779; Oct. 7.
- Carburetor. W. B. Barnes. 1,769,098; July 1.
- Carburetor. O. Baumgartner. 1,759,294; May 20.
- Carburetor. R. H. Beach. 1,783,273; Dec. 2.
- Carburetor. B. Beard. 1,742,376; Jan. 7.
- Carburetor. G. M. Bicknell. 1,778,931; Oct. 21.
- Carburetor. G. M. Bicknell. 1,783,214; Dec. 2.
- Carburetor. G. M. Bicknell. 1,784,481; Dec. 9.
- Carburetor. A. N. Bondesen. 1,753,108; Apr. 1.
- Carburetor. A. Boulade. 1,782,027; Nov. 18.
- Carburetor. W. A. Brackett and W. E. Richard. 1,764,711; June 17.
- Carburetor. W. F. Broge. 1,783,217; Dec. 2.
- Carburetor. W. B. Bronander. 1,746,302; Feb. 11.
- Carburetor. J. J. Buckley. 1,744,865; Jan. 28.
- Carburetor. W. C. Carter. 1,751,976; Mar. 25.
- Carburetor. W. C. Carter. 1,765,654; June 24.
- Carburetor. W. C. Carter. 1,784,864; Dec. 16.
- Carburetor. M. E. Chandler. 1,767,050; June 24.
- Carburetor. W. H. Collins and J. R. Craig. 1,769,176; July 1.
- Carburetor. H. O. Cram. 1,759,040; May 20.
- Carburetor. A. C. De Lange. 1,781,218; Nov. 11.
- Carburetor. L. De Marco. 1,765,406; June 24.
- Carburetor. A. G. Dowell. 1,750,349; Mar. 11.
- Carburetor. J. B. Drahonovsky. 1,753,882; Apr. 8.
- Carburetor. R. A. Duff. 1,753,235; Apr. 8.
- Carburetor. L. R. Ebert. 1,781,276; Nov. 11.
- Carburetor. W. A. Edwards. 1,761,074; June 3.
- Carburetor. P. W. Ensign. 1,748,472; Feb. 25.
- Carburetor. R. F. Ensign. 1,751,983; Mar. 25.
- Carburetor. O. H. Ensign. 1,766,169; June 24.
- Carburetor. O. H. Ensign. 1,787,148; Dec. 30.
- Carburetor. R. F. and O. H. Ensign. 1,752,551; Apr. 1.
- Carburetor. J. R. Francis. 1,766,708; June 24.
- Carburetor. H. Ford. 1,781,502; Nov. 11.
- Carburetor. O. Z. Frazier. 1,778,215; Oct. 14.
- Carburetor. A. W. Fulwiler. 1,785,026; Dec. 16.
- Carburetor. N. E. Gaston. 1,747,066; Feb. 11.
- Carburetor. E. F. Geiger. 1,767,664-5; June 24.
- Carburetor. J. P. Gilligan and L. J. Whitmore. 1,769,948; July 8.
- Carburetor. F. Goudard. 1,785,681; Dec. 16.
- Carburetor. M. Goudard. 1,755,988; Apr. 22.
- Carburetor. M. Goudard. 1,768,051; June 24.
- Carburetor. M. Goudard. 1,781,576; Nov. 11.
- Carburetor. B. F. Gravely. 1,775,454; Sept. 9.
- Carburetor. B. F. Gravely. 1,782,848; Nov. 25.
- Carburetor. P. Gwisdalla. 1,769,023; July 1.
- Carburetor. H. W. Haegler. 1,757,833; May 6.
- Carburetor. V. R. Heftler. 1,750,889; Mar. 18.
- Carburetor. W. A. Heide. 1,760,595; May 27.
- Carburetor. F. H. Heitger. 1,766,710; June 24.
- Carburetor. C. B. Jahnke. 1,764,726; June 17.
- Carburetor. C. F. Johnson. 1,761,729; June 3.
- Carburetor. M. E. Jones. 1,763,709; June 17.
- Carburetor. A. L. Kimball. 1,761,569; June 3.
- Carburetor. C. H. Kirby. 1,763,361; June 10.
- Carburetor. L. B. Lampton. 1,766,657; June 24.
- Carburetor. T. Linga. 1,746,786; Feb. 11.
- Carburetor. H. W. Linkert. 1,745,496; Feb. 4.
- Carburetor. H. W. Linkert. 1,763,362; June 10.
- Carburetor. W. J. Linn. 1,758,954; May 20.
- Carburetor. A. B. Mathews. 1,742,268; Jan. 7.
- Carburetor. K. Maybach. 1,743,368; Jan. 14.
- Carburetor. C. W. McKinley. 1,767,599; June 24.
- Carburetor. S. E. Melkman. 1,779,709; Oct. 28.
- Carburetor. G. Memini. 1,772,873; Aug. 12.
- Carburetor. P. Meunier. 1,781,066; Nov. 11.
- Carburetor. A. Mijares. 1,756,430-1; Apr. 29.
- Carburetor. F. Monier. 1,748,305; Feb. 25.
- Carburetor. W. Murrer. 1,746,439; Feb. 11.
- Carburetor. E. L. H. Pepinster and F. Genève. 1,765,175; June 17.
- Carburetor. J. A. Perry. 1,776,192; Sept. 16.

- Carburetor. H. B. Petit. 1,752,283; Mar. 25.
 Carburetor. E. H. Phillips. 1,759,758; May 20.
 Carburetor. L. Podszus. 1,746,361; Feb. 11.
 Carburetor. L. Podszus. 1,748,677; Feb. 25.
 Carburetor. C. N. Pogue. 1,750,354; Mar. 11.
 Carburetor. C. L. Rayfield. 1,771,862; July 29.
 Carburetor. A. G. Redmond. 1,766,685; June 24.
 Carburetion. J. P. Remington. 1,774,725; Sept. 2.
 Carburetor. E. C. Richard. 1,766,689; June 24.
 Carburetor. T. H. O. Richardson. 1,746,681; Feb. 11.
 Carburetor. E. A. Rockwell. 1,777,735; Oct. 7.
 Carburetor. E. Schimanek. 1,778,868; Oct. 21.
 Carburetor. H. Schiske. 1,744,580; Jan. 21.
 Carburetor. H. Schneebeli. 1,777,229; Sept. 30.
 Carburetor. F. H. Schoettler. 1,761,846; June 3.
 Carburetor. W. Scott. 1,749,893; Mar. 11.
 Carburetor. E. Seignol. 1,759,666; May 20.
 Carburetor. J. H. Shannon and O. A. Ash. 1,771,357; July 22.
 Carburetor. W. T. Simpson. 1,748,149; Feb. 25.
 Carburetor. J. Stapelle. 1,781,087; Nov. 11.
 Carburetor. M. Steinhardt and E. Bauer. 1,762,200; June 10.
 Carburetor. J. Sterba. 1,749,721; Mar. 4.
 Carburetor. P. S. Tice. 1,746,094; Feb. 4.
 Carburetor. P. S. Tice. 1,776,988; Sept. 30.
 Carburetor. H. C. Waite. 1,754,972; Apr. 15.
 Carburetor. H. C. Waite. 1,773,289-90; Aug. 19.
 Carburetor. J. L. Walker. 1,742,429; Jan. 7.
 Carburetor. H. H. Welch. Re17,609; Mar. 4.
 Carburetor. J. W. White. 1,766,158; June 24.
 Carburetor. L. C. Woolfe. 1,753,634; Apr. 8.
 Carburetor-accelerating means. G. M. Holley. 1,770,404; July 15.
 Carburetor air control. W. P. Cousino. 1,749,873; Mar. 11.
 Carburetor, Airplane. F. C. Mock. 1,743,791; Jan. 14.
 Carburetor, Airplane. F. C. Mock. 1,746,358; Feb. 11.
 Carburetor and carburetor burner for oil gas. W. H. Howden. 1,777,141; Sept. 30.
 Carburetor control. A. F. Jackson. 1,759,354; May 20.
 Carburetor control, Automatic. W. T. Hunt. 1,753,788; Apr. 8.
 Carburetor-control mechanism. W. B. Barnes. 1,769,099; July 1.
 Carburetor-controlling device. C. W. Spohr. 1,752,817; Apr. 1.
 Carburetor dust cleaner. S. P. Klima. 1,785,632; Dec. 16.
 Carburetor-feed-retarding device. F. L. Sutton. 1,753,484; Apr. 8.
 Carburetor for carbureted-water-gas apparatus. H. G. Terzian. 1,767,564; June 24.
 Carburetor for combustion engines and the like. E. Seignol. 1,745,957; Feb. 4.
 Carburetor for internal-combustion engines. C. H. Claudel. 1,761,007; June 3.
 Carburetor for internal-combustion engines. A. Drogo. 1,779,803; Oct. 28.
 Carburetor for internal-combustion engines. H. E. Fairbrother and E. Charrington. 1,752,161; Mar. 25.
 Carburetor for internal-combustion engines. F. Lioud. 1,774,445; Aug. 26.
 Carburetor for internal-combustion engines. G. Loutz. 1,778,904; Oct. 21.
 Carburetor for internal-combustion engines. W. H. Manners and C. W. Spencer. 1,772,259; Aug. 5.
 Carburetor for internal-combustion engines. W. H. Manners and C. W. Spencer. 1,779,886; Oct. 28.
 Carburetor for internal-combustion engines. F. Monier. 1,752,959; Apr. 1.
 Carburetor for internal-combustion engines. F. Monier. 1,763,061; June 10.
 Carburetor for internal-combustion engines. E. Pedrini. 1,785,045; Dec. 16.
 Carburetor for internal-combustion engines. H. Weslake. 1,750,376; Mar. 11.
 Carburetor for internal-combustion engines. L. M. Woolson. 1,755,943; Apr. 22.
 Carburetor for internal-combustion engines supplied with heavy oil. J. M. A. Goinard. 1,781,327; Nov. 11.
 Carburetor heater for automobiles. R. O. Heggelund and H. I. Setbacken. 1,774,058; Aug. 26.
 Carburetor reservoir. E. A. Winfield. 1,758,068; May 13.
 Carburetor, Rotary vaporizing. W. J. Baker. 1,756,805; Apr. 29.
 Carburetor, Self-feeding. E. Seignol. 1,777,383; Oct. 7.
 Carburetor suction-release device. E. L. Grauel. 1,751,322; Mar. 18.
 Carburetor system, Duplex. H. H. Timian. 1,763,726; June 17.
 Carburetor, Throttle-pump. C. H. Kirby. 1,750,109; Mar. 11.
 Carburetors, Attachment for. H. R. Ricardo. 1,745,813; Feb. 4.
 Carburetors, Mixing device for. J. B. Kessel. Re17,869; Nov. 11.
 Carburetors, Preheating device for. E. J. Ottosson. 1,757,920; May 6.
 Carbureting and vaporizing means for internal-combustion engines. J. L. Whiteman. 1,777,949; Oct. 7.
 Carburing apparatus, Operating. R. Kaier. 1,786,951; Dec. 30.
 Carburing process. A. W. Machlet. 1,745,104; Jan. 28.
 Carcass splitter. B. S. Harrington. 1,752,257; Mar. 25.
 Carcass-treating method. K. M. Richardson and D. J. Harding. 1,748,082; Feb. 25.
 Carcasses for buildings. C. Forssell. 1,783,609; Dec. 2.
 Card. R. G. Campbell. 1,758,428; May 13.
 Card and cover therefor, Record. F. Riehle. 1,751,885; Mar. 25.
 Card and mailer for currency, etc., Combined advertising. W. W. F. Tees. 1,766,006; June 24.
 Card and producing the same, Photographic. G. N. Pifer. 1,751,882; Mar. 25.
 Card and sign exhibitor, Price. W. P. Agee, jr. 1,758,904; May 13.
 Cardboard and similar material, Working. H. B. Smith. 1,772,785; Aug. 12.
 Cardboard box. F. M. Case. 1,777,716; Oct. 7.
 Card box, Magic. C. F. Brehmer. 1,762,501; June 10.
 Cardcase. W. J. Ecker, jr. 1,759,980; May 27.
 Cardcase. W. H. Ostrander. 1,763,857; June 17.
 Card-clothing foundation. H. Midgley. 1,773,783; Aug. 26.
 Card-controlled machine, Perforated. J. R. Peirce. 1,750,191; Mar. 11.
 Card-counting machine. H. D. Lowd. 1,755,884; Apr. 22.
 Card, Detachable record. C. D. Lake. 1,760,417; May 27.
 Card, Display. R. A. Gray. 1,765,484; June 24.
 Card finding and separating device. F. J. Tillman. 1,745,066; Jan. 28.
 Card for index systems, Guide. D. E. Hunter. 1,757,122; May 6.
 Card for numerical coding. C. H. Tallmadge. 1,768,806; July 1.
 Card for shipping containers, Address. M. Braunstein. 1,767,573; June 24.
 Card for type fonts, Indicator. T. Crosby. 1,754,545; Apr. 15.
 Card game. T. V. Pearson. 1,775,782; Sept. 16.
 Card-holding clip. J. A. Underhill and G. C. Hemenway. 1,763,024; June 10.
 Card index. S. Anthony. 1,744,093; Jan. 21.
 Card, Memorandum. E. S. Hudler. 1,764,102; June 17.
 Card, Merchandise-display. E. G. Storck. 1,761,417; June 3.
 Card or like member for indexes or files, Record. C. S. Campbell and A. E. Hunt. 1,760,417; May 27.
 Card or similar article, Display. S. H. Goldberg. Des. 82,670; Dec. 2.
 Card or similar article, Display. S. H. Goldberg. Des. 82,740; Dec. 9.
 Card or similar article, Display. M. M. Michelin. Des. 80,390-1; Jan. 21.
 Card or the like, Show. G. Lindsey. 1,769,377; July 1.
 Card picker. E. A. Ford. 1,772,180; Aug. 5.
 Card, Playing. M. Shepherd. Des. 82,113; Sept. 23.
 Card, Record or index. D. W. B. Kurtz, jr. 1,755,961; Apr. 22.
 Card-saving motion. G. Liebender. 1,783,125; Nov. 25.
 Card, Score. I. B. Levenson. 1,768,087; June 24.
 Card, Shirt-display. H. Levey. 1,749,771; Mar. 11.
 Card system or index, Abstract. E. Raviglione. 1,764,580; June 17.
 Card table. A. Kaufmann. 1,771,851; July 29.
 Card table. J. Kovats. 1,745,998; Feb. 4.
 Card table. J. W. Thomas. Des. 80,586; Feb. 25.
 Card table. F. E. Wright. 1,756,777; Apr. 29.
 Card-table indicator. J. W. Morris. 1,763,476; June 10.
 Card, Tally. J. J. Arnold. 1,768,020; June 24.
 Card, Thermometer. S. J. Greenberg. Des. 81,330; June 10.
 Card, Telephone-installer's omnibus number sign. G. D. Cox. 1,784,814; Dec. 16.
 Card-throwing machine. L. A. Gale. 1,767,207; June 24.
 Card unit for visible card systems. R. Hochschild. 1,757,368; May 6.
 Carding machine. J. F. Tibbetts. 1,748,154; Feb. 25.
 Carding machines, Feeding apparatus with carding device for. H. O. Hess. 1,758,517; May 13.
 Cards for textile machinery, Apparatus for making Jacquard. A. Korn. 1,745,019; Jan. 28.
 Cards in large lots for inspection of same, Equipment or attachment to expedite handling of. D. W. B. Kurtz, jr. 1,785,815; Dec. 23.
 Cards, Pack of playing. F. A. Joseph. Des. 81,336; June 10.
 Cards, Playing. L. K. Landsberger. 1,745,373; Feb. 4.
 Cards, Playing. I. L. Lesavoy. 1,743,613; Jan. 14.
 Cards, Playing. W. O. Snelling. 1,766,465; June 24.
 Cargo-discharging apparatus. L. McMillan. 1,756,518; Apr. 29.
 Cargo-discharging apparatus for ships. L. A. Stinson. 1,787,025; Dec. 30.
 Cargo-unloading apparatus. G. L. Douglass and S. Cooper. 1,757,453; May 6.
 Cargo-unloading apparatus for vessels. R. W. Eichenberger. 1,776,420; Sept. 23.
 Cargoes, Apparatus for raising ships'. A. Bernstein. 1,748,438; Feb. 25.
 Carline bracket. T. H. Williams. 1,753,633; Apr. 8.
 Carline reinforcement and load-lifting arrangement. C. D. Bonsail. 1,781,775; Nov. 18.
 Carousel, Occupant-propelled. L. Bustin and F. Prava. 1,760,811; May 27.
 Carpenter's clamp. C. Heston, A. E. Casady, and H. W. Pierson. 1,769,511; July 1.
 Carpet-cleaning machine. H. P. Johnston. 1,760,599; May 27.
 Carpet dust cleaner. O. Aldinger. 1,765,784; June 24.

- Carpet-securing device. G. E. McIntyre. 1,770,215; July 8.
- Carpet stretcher. J. D. Bartlow. 1,766,423; June 24.
- Carpet weave, Double-. R. G. Turner. 1,771,973; July 29.
- Carpets and rugs, Treating. D. Butterworth. 1,777,393; Oct. 7.
- Carpets, Mechanical means for severing or trimming the edges of. A. F. McCollum. 1,750,535; Mar. 11.
- Carriage, Baby. B. L. Blanchard. 1,783,913; Dec. 2.
- Carriage, Baby. E. Hamel. 1,758,110; May 13.
- Carriage, Baby. A. Pascoo. 1,785,646; Dec. 16.
- Carriage, Baby. H. F. Shaw. 1,758,895; May 13.
- Carriage, Collapsible baby. E. F. Lewis. 1,753,931; Apr. 8.
- Carriage, Conveyer. J. Huebsch. 1,749,381; Mar. 4.
- Carriage mechanism for calculating and like machines. W. S. Gubelmann. 1,742,529; Jan. 7.
- Carriage or the like, Baby. A. Schnabel. 1,784,976; Dec. 16.
- Carriage-return mechanism. R. G. Thompson. 1,753,450; Apr. 8.
- Carriage-shift control for calculating machines. G. C. Chase. 1,773,025; Aug. 12.
- Carriage-shifting mechanism for calculators. G. C. Chase. 1,773,026; Aug. 12.
- Carriage, Skidding. J. H. Dickinson. 1,756,732; Apr. 29.
- Carriage, Wheeled. A. Taicher. 1,745,562; Feb. 4.
- Carriages, Body suspension for baby. H. Perlmutter. 1,782,742; Nov. 25.
- Carrier: *See*—
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| Amphibian mobile carrier. | Luggage carrier. |
| Animal carrier. | Lure carrier. |
| Article carrier. | Lumber carrier. |
| Baby-basket carrier. | Material carrier. |
| Baggage carrier. | Merchandise carrier. |
| Battery carrier. | Metal carrier. |
| Belt carrier. | Pack carrier. |
| Bobbin braiding carrier. | Package carrier. |
| Bottle carrier. | Pneumatic carrier. |
| Chair carrier. | Pocket key carrier. |
| Coal carrier. | Pull-rod carrier. |
| Braiding carrier. | Spare-wheel carrier. |
| Bucket carrier. | Storage-battery carrier. |
| Despatch carrier. | Suspended carrier. |
| Egg carrier. | Thread carrier. |
| Freight carrier. | Tire carrier. |
| Hay carrier. | Tool and tire carrier. |
| Hoisting carrier. | Tool carrier. |
| Ice carrier. | Trunk and luggage carrier. |
| Ice-cream carrier. | Tube carrier. |
| Insulated carrier. | Vanity case. |
| Leader carrier. | Yarn carrier. |
- Carrier. J. R. Coe. 1,777,394; Oct. 7.
- Carrier. H. H. C. Grondahl. 1,764,623; June 17.
- Carrier. M. C. Young. 1,774,863; Sept. 2.
- Carrier and collapsible boat, Combination luggage. E. F. Reese. 1,781,860; Nov. 18.
- Carrier communicating system. H. W. Nichols. 1,746,960; Feb. 11.
- Carrier for airplane delivery, Article. S. O. Donnell. 1,768,194; June 24.
- Carrier for automobiles, Luggage. M. Moore. 1,784,971; Dec. 16.
- Carrier for automobiles, Luggage. L. E. Russell and G. E. Peters. 1,747,458; Feb. 18.
- Carrier for braiding machines. C. Haggerty. 1,774,056; Aug. 26.
- Carrier for containers. R. Choate. 1,779,060; Oct. 21.
- Carrier for disk wheels. C. F. Wasserfallen. 1,759,212; May 20.
- Carrier for dispatch systems. F. W. MacMartin. 1,787,206; Dec. 30.
- Carrier for garments. E. R. Boyle. 1,781,628; Nov. 11.
- Carrier for golf bags, Ball. B. Wengard. 1,744,939; Jan. 28.
- Carrier for motion-transmitting devices, Yieldable. W. R. Uggla. 1,781,418; Nov. 11.
- Carrier for motor vehicles, Tire-chain. M. E. Hill. 1,766,634; June 24.
- Carrier for pneumatic-tube-carrier systems. C. W. Grover. 1,779,164; Oct. 21.
- Carrier for use with motor-car doors, Luggage. G. A. Pritchard. 1,778,771; Oct. 21.
- Carrier of the plural-deck type. S. E. Travis, jr. 1,781,612; Nov. 11.
- Carrier system, Single-side band-. A. Carpe. 1,747,160; Feb. 18.
- Carrier system, Single-side-band. E. I. Green. 1,744,044; Jan. 21.
- Carrier-system-testing method and circuit. A. C. Dickleson. 1,747,163; Feb. 18.
- Carrier systems, Equalization for. A. Carpe. 1,784,176; Dec. 9.
- Carrier systems, Equalization of. E. I. Green. 1,743,132; Jan. 14.
- Carrier systems, Equalization of. L. M. Ilgenfritz. 1,743,141; Jan. 14.
- Carrier to be attached to automobiles or other vehicles, Luggage or step. J. B. Hall. 1,754,555; Apr. 15.
- Carrying bag. M. A. Myers. Des. 81,346-7; June 10.
- Carrying case. A. A. Adams. 1,754,663; Apr. 15.
- Carrying out exchange reactions, Apparatus for use in. E. B. Higgins. 1,745,421; Feb. 4.
- Cart, Child's. W. L. Bradley. 1,773,567; Aug. 19.
- Cart, Dust. H. Krahn. 1,776,034; Sept. 16.
- Cart or diner, Night lunch. W. H. Barrière. 1,779,082; Oct. 21.
- Cart, Power. E. F. Norelius. 1,774,451; Aug. 26.
- Cart, Vender's. M. Wright. 1,760,854; May 27.
- Carton. R. C. Green. 1,759,613; May 20.
- Carton. H. L. Greve. 1,779,403; Oct. 21.
- Carton. C. W. Hartmann. 1,775,027; Sept. 2.
- Carton. M. Hinkley. 1,759,455; May 20.
- Carton. M. Lippmann. Des. 82,614; Nov. 25.
- Carton. H. L. Metzger. 1,746,006; Feb. 4.
- Carton. P. R. Miller. Des. 82,755; Dec. 9.
- Carton. A. W. Miner. 1,775,863; Sept. 16.
- Carton. C. R. Weber. Des. 81,875-6; July 22.
- Carton-blank separating and feeding mechanism. E. G. Jurgens and H. K. Becker. 1,742,863; Jan. 7.
- Carton-blank separating and feeding mechanism. E. G. Jurgens and H. K. Becker. 1,761,794; June 3.
- Carton, Carbon-sheet. G. G. Neidich. 1,769,595-6; July 1.
- Carton, Cushioned. F. Troyk. 1,766,155; June 24.
- Carton, Cushioned. F. Troyk. 1,783,397; Dec. 2.
- Carton-discharging device. A. F. Schmidt. 1,752,352; Apr. 1.
- Carton, Display. R. Guyer. 1,755,731; Apr. 22.
- Carton, Display. W. J. Laubenheimer. 1,764,216; June 17.
- Carton, Display. W. J. Laubenheimer. 1,769,183; July 1.
- Carton, Display. T. L. Neumann. 1,759,203; May 20.
- Carton, Egg. L. Benoit. 1,755,688; Apr. 22.
- Carton, Egg. L. Benoit. 1,768,023-4; June 24.
- Carton, Egg. J. L. Coyle. 1,784,275; Dec. 9.
- Carton, Egg. E. E. Hale. 1,760,132; May 27.
- Carton, Egg. E. E. Hale. 1,785,898; Dec. 23.
- Carton, Egg. E. Schinscholl. 1,759,716; May 20.
- Carton-feeding magazine. E. Van Der Pyl and R. H. Stimpson. 1,783,912; Dec. 2.
- Carton filler. M. D. Jeffries. 1,770,158; July 8.
- Carton-filling device. J. F. Ortnier. 1,760,959; June 3.
- Carton, Folding paper. H. E. Kondolf. 1,747,979; Feb. 18.
- Carton for carbon sheets. J. A. B. Smith. 1,769,719; July 1.
- Carton for dermatological and epidermical cream. G. F. Riegel. 1,758,585; May 13.
- Carton for packing reels of wire and the like. A. E. Watson and F. Plutte. 1,756,771; Apr. 29.
- Carton for sectoral canopies. G. M. Wells. 1,751,782; Mar. 25.
- Carton handling and sealing apparatus. A. C. Schroeder and W. D. Kimball. 1,783,814; Dec. 2.
- Carton, Locking. H. Amatel. 1,760,678; May 27.
- Carton opening and feeding device. R. A. Jones. 1,746,835; Feb. 11.
- Carton opening and squaring apparatus for carton-filling machines. R. A. Jones. 1,746,836; Feb. 11.
- Carton or box. R. P. Hayden. 1,760,753; May 27.
- Carton or similar container. F. W. Peterson. Des. 80,909; Apr. 8.
- Carton, Packing. G. G. Penrose. 1,752,504; Apr. 1.
- Carton, Ready-opening and self-sealing. A. J. Ganz. 1,756,150; Apr. 29.
- Carton, Reducing. M. H. Caulfield. 1,772,625; Aug. 12.
- Carton-sealing machine. A. Lindner. 1,778,804; Oct. 21.
- Carton, Severable egg. H. McWilliams. 1,759,056; May 20.
- Carton, Shipping. T. Fischer. 1,744,956; Jan. 28.
- Carton, Shipping and display. E. O. Tinsley. 1,748,256; Feb. 25.
- Carton, Theftproof shipping. F. G. Roempler. 1,743,162; Jan. 14.
- Carton, Twin-section egg. L. Sugerman. 1,776,844; Sept. 30.
- Cartons, Filler for egg. J. L. Coyle. 1,755,208; Apr. 22.
- Cartons, Sealing can-containing. T. J. Gorman, jr. 1,761,787; June 3.
- Cartons, Squaring and closing collapsed. H. L. Evans and G. I. Hohl. 1,775,753; Sept. 16.
- Cartridge. L. P. Boll. 1,762,607; June 10.
- Cartridge. T. E. Flowers. 1,777,519; Oct. 7.
- Cartridge adapter. A. W. Peters. 1,753,472; Apr. 8.
- Cartridge and loading high explosives in drill holes, Explosive. O. B. Niesen. 1,763,407; June 10.
- Cartridge, Blasting. E. Ormsby. 1,757,382; May 6.
- Cartridge case. J. S. Hatcher. 1,753,413; Apr. 8.
- Cartridge cases and the like, Apparatus for reconditioning sporting. J. Tuffery. 1,743,295; Jan. 14.
- Cartridge cut-out. T. Lang. 1,752,955; Apr. 1.
- Cartridge-firing device, Gas-. S. M. Abbott. 1,772,656; Aug. 12.
- Cartridge guide for repeating guns. R. von Frommer. 1,749,726; Mar. 4.
- Cartridge, High-pressure gas-developing. G. Schworetzky. 1,753,871; Apr. 8.
- Cartridge, percussion cap, detonator, detonating fuse, and the like, Blasting. O. Turek. 1,743,739; Jan. 14.
- Cartridge, Photographic flash-light. L. L. Driggs, jr., and H. B. Faber. 1,754,987; Apr. 15.
- Cartridge shell and making the same. A. S. O'Neil, A. G. Schuricht, and J. M. Olin. 1,771,898; July 29.
- Cartridge wad and making the same. A. S. O'Neil and A. G. Schuricht. 1,771,897; July 29.
- Cartridges, Coating. J. D. Pedersen. 1,780,566; Nov. 4.
- Carving brace. A. Cutler. 1,761,104; June 3.
- Carving machine for smoking pipes. P. Lombardo. 1,775,495; Sept. 9.

- Cascade-regulating set for asynchronous machines. J. Osanna, H. Graner, and F. Hofman. 1,770,625; July 15.
- Case: See—
- Bill and card case. Jewelry case.
 - Brief case. Key case.
 - Card case. Make-up case.
 - Carrying case. Match case.
 - Cartridge case. Packing case.
 - Cigar case. Phonograph case.
 - Cigarette case. Piano case.
 - Coil case. Plier case.
 - Collapsible case. Pocket case.
 - Collar case. Razor-blade case.
 - Combination case. Refrigerator show case.
 - Contact and tackle case. Shipping case.
 - Display case. Show case.
 - Floral case. Spectacle case.
 - Gear case. Speedometer case.
 - Instrument case. Typewriter carrying case.
 - Jewel case. Vanity case.
- Case and collapsible seat, Combined portable. W. Menk. 1,762,580; June 10.
- Case and container. S. G. Marshutz and P. Sockett. 1,753,054; Apr. 1.
- Case and fabricating the same, Shipping. H. R. Bliss. 1,770,348; July 8.
- Case and lighter, Cigarette. E. G. Ahrens. 1,766,320; June 24.
- Case and lighter, Combination cigarette. J. E. Barnes. 1,771,202; July 22.
- Case and pattern for making the same, Carrying. D. H. Shapiro. 1,745,770; Feb. 4.
- Case, Clock. J. T. Rhodes. Des. 81,148; May 13.
- Case-filling machine. C. H. Wild. 1,784,083; Dec. 9.
- Case for books or the like. A. Steinschneider. 1,760,448; May 27.
- Case for bridles, Shipping and display. M. H. Hellman. 1,755,295; Apr. 22.
- Case for clinical thermometers. H. E. Stonebraker. 1,786,271; Dec. 23.
- Case for lunch counters, Food-display. J. S. Reid. 1,744,081; Jan. 21.
- Case for phonograph records. H. S. Scott. 1,764,754; June 17.
- Case for timepieces, Folding. W. B. Earl. 1,765,971; June 24.
- Case or similar article, Clock. M. Salinger. Des. 82,180; Sept. 30.
- Cases and similar containers, Forming jewelry. J. M. Shields. 1,770,533; July 15.
- Casein, Production of artificial masses from. O. Schmidt. 1,775,175; Sept. 9.
- Casein and product of said method, Treating. P. Schidrowitz. 1,754,651; Apr. 15.
- Casein-containing plastic composition. W. W. Christmas. 1,758,500; May 13.
- Caseinates, Producing. W. O. Frohring and W. F. Richards. 1,762,169; June 10.
- Casement. A. A. Potter. 1,768,143; June 24.
- Casements, transoms, and the like, Device for operating. C. A. Forward and J. M. Garrison. 1,744,625; Jan. 21.
- Cash balance. T. Ohno. 1,773,059; Aug. 12.
- Cash box and advertising device for unattended news stands, Combined weight. R. Schatz. 1,746,013; Feb. 4.
- Cash carrier. J. L. Baldwin. 1,784,776; Dec. 9.
- Cash-drawer manifolding device. J. Q. Sherman. 1,767,486; June 24.
- Cash drawer. Register-operated. A. K. Kimberly. 1,743,084; Jan. 7.
- Cash-fare register. W. Thompson and L. F. Briggs. 1,746,748; Feb. 11.
- Cash protector. H. C. Stockwell. 1,766,560; June 24.
- Cash register. C. H. Arnold. 1,761,555-6; June 3.
- Cash register. F. W. F. Berger. 1,744,033; Jan. 21.
- Cash register. F. W. F. Berger. 1,758,819; May 13.
- Cash register. F. W. F. Berger. 1,761,701; June 3.
- Cash register. S. Brand. 1,761,651; June 3.
- Cash register. J. L. Carrillo. 1,760,744; May 27.
- Cash register. T. Carroll. 1,755,499; Apr. 22.
- Cash register. A. R. Colley. 1,761,656; June 3.
- Cash register. J. P. Frank. 1,785,378; Dec. 16.
- Cash register. F. L. Fuller. 1,753,288-9; Apr. 8.
- Cash register. F. L. Fuller. 1,756,350; Apr. 29.
- Cash register. F. L. Fuller. 1,761,718-19; June 3.
- Cash register. F. L. Fuller. 1,763,697; June 17.
- Cash register. M. M. Goldberg. 1,755,504; Apr. 22.
- Cash register. C. W. Green. 1,763,699; June 17.
- Cash register. H. W. Gregory. 1,763,650; June 17.
- Cash register. W. Kropff. 1,761,571-2; June 3.
- Cash register. L. Z. La Forest. 1,763,661; June 17.
- Cash register. R. E. Rice. 1,753,200; Apr. 8.
- Cash register. W. H. Robertson. 1,786,454; Dec. 30.
- Cash register. B. M. Shipley. Des. 81,411; June 17.
- Cash register. B. M. Shipley. 1,746,910; Feb. 11.
- Cash register. B. M. Shipley. 1,747,397; Feb. 18.
- Cash register. B. M. Shipley. 1,749,960; Mar. 11.
- Cash register. B. M. Shipley. 1,758,861; May 13.
- Cash register. B. M. Shipley. 1,760,783; May 27.
- Cash register. B. M. Shipley. 1,761,542; June 3.
- Cash register. B. M. Shipley. 1,761,644; June 3.
- Cash register. B. M. Shipley. 1,761,689; June 3.
- Cash register. B. M. Shipley. 1,786,964; Dec. 30.
- Cash register. F. H. Tyler. 1,761,547; June 3.
- Cash register. E. J. Von Pein. 1,744,183; Jan. 21.
- Cash register. E. J. Von Pein. 1,745,283; Jan. 28.
- Cash register. E. J. Von Pein. 1,761,548-9; June 3.
- Cash register. E. J. Von Pein. 1,763,915; June 17.
- Cash register, Key-operated. F. L. Fuller. 1,742,701; Jan. 7.
- Cash register or similar machine. O. J. Sundstrand. 1,759,069; May 20.
- Cash registers, Indicating mechanism for. B. M. Chipley. 1,761,643; June 3.
- Casing and fire box, Combined heater. H. C. Maul. Des. 82,575; Nov. 18.
- Casing, Annunciator-receiving. A. E. Garbut, D. Cochran, and J. E. Watkins. 1,775,194; Sept. 9.
- Casing-centering device. H. R. Irvine. 1,778,830; Oct. 21.
- Casing, Clock. R. P. Nichols. Des. 82,447; Nov. 4.
- Casing, Condenser. S. I. Cole. Des. 82,797; Dec. 16.
- Casing connection. B. Clark. 1,778,662; Oct. 14.
- Casing cutter. W. L. Church. 1,755,206; Apr. 22.
- Casing cutter. W. L. Church. 1,773,389; Aug. 19.
- Casing cutter. J. A. Kammerdiner. 1,747,513; Feb. 18.
- Casing cutter. A. M. Monroe. 1,756,128; Apr. 29.
- Casing cutter. J. W. Plummer. 1,774,564; Sept. 2.
- Casing cutter, Inside. E. Ventresca. 1,780,100; Oct. 28.
- Casing, Decorative lamp. P. Machowicz. Des. 81,837; Aug. 19.
- Casing, Direction-signal. E. F. Mann. Des. 81,546; July 8.
- Casing, Dispensing. P. B. Renfrew. Des. 82,282; Oct. 14.
- Casing, Door. I. A. Baum. 1,765,712; June 24.
- Casing, Door and window. J. C. Starriett. 1,785,793; Dec. 23.
- Casing, Electric-wire. J. M. Berry. 1,784,217; Dec. 9.
- Casing, Exercising and massaging machine. F. A. Anderson. Des. 81,222; May 27.
- Casing, Expanding flat-band tire. T. Midgley. 1,760,880; June 3.
- Casing, Fan. B. C. Becker. 1,778,015; Oct. 14.
- Casing, Flash-light. E. R. Barany. 1,747,811; Feb. 18.
- Casing, Flash-light. J. L. Shannon. Des. 82,853; Dec. 16.
- Casing for a combined washing machine and centrifugal drier. A. W. Altorfer. Des. 81,570; July 15.
- Casing for a dispensing apparatus. P. B. Renfrew. Des. 81,724; July 29.
- Casing for a floor-polishing brush. C. E. Woods. Des. 81,423; June 17.
- Casing for a liquid-dispensing apparatus. W. M. Griffin and C. L. Merriman. Des. 82,557; Nov. 18.
- Casing for a picture-projection apparatus. J. H. Goldberg. Des. 80,440; Feb. 4.
- Casing for a pocket prophylactic unit. D. L. Hibberd. Des. 81,644; July 22.
- Casing for a suction cleaner and dust-bag receptacle or similar article, Combined. D. G. Smellie. Des. 82,003; Sept. 9.
- Casing for a suction cleaner or similar article. W. H. Kitto. Des. 82,265; Oct. 14.
- Casing for a suction cleaner or similar article. G. Page-Wood. Des. 81,067; Apr. 29.
- Casing for a telephone substation set. J. M. Labaugh. Des. 82,387; Oct. 28.
- Casing for a telephone substation set. J. M. Lebaugh. Des. 82,612-13; Nov. 25.
- Casing for a toaster or similar article. E. S. Johnson. Des. 80,348; Jan. 14.
- Casing for a weighing and vending machine. O. D. Jennings. Des. 82,943; Dec. 30.
- Casing for an agitator. G. Angelos. Des. 80,351; Jan. 21.
- Casing for an alarm clock and dial therefor, Combined. P. Lux. Des. 80,628; Mar. 4.
- Casing for an ice-shaving machine. A. O. Goldstein. Des. 81,581; July 15.
- Casing for an impulse-sending machine. H. Sengebusch. Des. 82,914; Dec. 23.
- Casing for an oil pump. J. Stanitz. Des. 82,458; Nov. 4.
- Casing for boilers and the like. F. A. Schmitz. 1,764,281; June 17.
- Casing for candy-floss machines. J. Parcell. 1,769,541; July 1.
- Casing for combined weighing and insurance-vending machines. G. H. Butler. Des. 81,227; May 27.
- Casing for double-walled vacuum bottles. A. E. Payson and M. P. Wetmore. 1,744,498; Jan. 21.
- Casing for electric apparatus, Fluid-containing. J. D. Wood. 1,769,562; July 1.
- Casing for electrical apparatus, Fluid-containing. J. D. Wood. 1,775,012; Sept. 2.
- Casing for flexible shafts. J. L. Hasemann. 1,785,345; Dec. 16.
- Casing for precision balances. W. Heusser. 1,784,098; Dec. 9.
- Casing for talking machines. J. M. Ehmer. 1,757,518; May 6.
- Casing for train-control systems, Instrument. C. S. Bushnell. 1,766,597; June 24.
- Casing for vehicles, Combined fender and tail-lamp. J. R. Hughes. Des. 81,240; May 27.
- Casing for weighing scale. T. W. B. Watling. Des. 82,864; Dec. 16.
- Casing, Furnace. R. M. Baker. Des. 81,824; Aug. 19.
- Casing, Fuse. J. H. Hickey. 1,773,182; Aug. 19.
- Casing, Grease-gun. C. G. Butler. Des. 82,725; Dec. 9.
- Casing head. G. A. Humason. 1,786,407; Dec. 23.
- Casing head. J. R. Mahan and D. E. Wright. 1,747,782; Feb. 18.

- Casing head, Combination. C. E. Hopkins. 1,768,908; July 1.
- Casing, Heater. G. D. Wilkinson. Des. 80,761; Mar. 18.
- Casing, Heat-insulating. P. Cassidy. 1,745,474; Feb. 4.
- Casing, Heat-insulating. G. J. Heimberger. 1,779,814; Oct. 28.
- Casing, Humidifier. B. M. Mills. Des. 82,686; Dec. 2.
- Casing, Illuminated advertising package sealing machine. W. A. Uttz, sr. Des. 82,196; Sept. 30.
- Casing in machine. C. Schramm and E. W. Clark. 1,765,349; June 17.
- Casing, Lamp. P. Machowicz. Des. 82,039; Sept. 16.
- Casing, Meter. R. T. Pierce. 1,763,178; June 10.
- Casing, Objective-shutter. L. Goldhammer. 1,768,315; June 24.
- Casing of a liquid-dispensing apparatus. W. W. Townsend. Des. 81,605; July 15.
- Casing, Oil-meter. E. R. Erickson. Des. 81,968; Sept. 9.
- Casing or cistern, Excavation multiple-section. F. C. Bauer, jr. 1,775,060; Sept. 2.
- Casing or jacket and making same. S. J. Lonergan. 1,769,300; July 1.
- Casing or similar article, Display-desk-appliance machine. W. A. Uttz, sr. Des. 80,760; Mar. 18.
- Casing or similar container. A. J. Jones. Des. 82,609; Nov. 25.
- Casing ripper. R. Althausen. 1,786,590; Dec. 30.
- Casing ripper. F. J. Hinderliter. 1,776,025; Sept. 16.
- Casing, Sectional. E. D. Lemmerman. 1,755,608; Apr. 22.
- Casing shoe and valve. J. Q. Little. 1,786,761; Dec. 30.
- Casing, Signal-light. A. Coviello. Des. 80,829; Apr. 1.
- Casing, Slicing-machine. W. J. Campbell. Des. 82,248; Oct. 14.
- Casing spear. I. Thomas. 1,777,592; Oct. 7.
- Casing spear, Hydraulic. P. G. Gates. 1,779,123; Oct. 21.
- Casing spider and the like. R. H. Folsom. 1,744,380; Jan. 21.
- Casing spiders and the like, Slip-releasing means for. R. H. Folsom. 1,744,381; Jan. 21.
- Casing structure. W. G. Mylius. 1,743,159; Jan. 14.
- Casing suspension head. L. H. Mahon. 1,782,737; Nov. 25.
- Casing, Toasting-machine. L. E. Padelford. Des. 82,621; Nov. 25.
- Casing, Traffic-signal. F. Mamiya. Des. 81,883; Aug. 26.
- Casing, Traffic-signal. J. C. Rainey. Des. 81,939; Sept. 2.
- Casing, Vending-machine. F. H. Vogel. Des. 81,358; June 10.
- Casing, Vending-machine. F. H. Vogel. Des. 81,818; Aug. 12.
- Casing, Vibrating-machine. J. H. and L. E. Holm. Des. 80,955; Apr. 15.
- Casing, Weighing-scale. A. Pollak. Des. 81,846; Aug. 19.
- Casings, Apparatus and method for making tire. A. O. Abbott, jr. 1,762,146; June 10.
- Casings, Apparatus for perforating. M. J. Trumble and R. C. Woodward. 1,764,129; June 17.
- Casings, Combined automobile radiator and lamp. R. E. Waurousek. Des. 81,009; Sept. 9.
- Casings, Device for expanding collapsed. C. A. Langstaff. 1,769,350; July 1.
- Cask, barrel, or like container. R. Kaempff and A. Lankoff. 1,765,161; June 17.
- Casket attachment, Burial. J. Q. Clarke. 1,780,171; Nov. 4.
- Casket, Burial. J. Q. Clarke. 1,779,693; Oct. 28.
- Casket, Burial. J. E. Falck. 1,743,663; Jan. 14.
- Casket, Burial. P. P. Jasper. 1,764,566; June 17.
- Casket, Burial. W. A. Knaus. 1,746,195; Feb. 4.
- Casket carriage. W. L. Beckham and E. F. Wemboener. 1,771,836; July 29.
- Casket, Draped burial. H. S. Bridge. Des. 80,562; Feb. 25.
- Casket handle. S. R. Patterson. 1,779,488; Oct. 28.
- Casket handle. B. A. Utter. 1,752,868; Apr. 1.
- Casket handle, Ear for a burial. R. P. Henderson. Des. 82,030; Sept. 16.
- Caskets, Adjustable cot and headrest for burial. J. B. Cole. 1,753,109; Apr. 1.
- Caskets, Clamping means for. J. E. Falck. 1,756,185; Apr. 29.
- Caskets, Corner for burial. R. P. Henderson. Des. 82,088; Sept. 23.
- Casserole. C. L. Sebring. Des. 80,499; Feb. 11.
- Casserole or similar article. S. W. Farber. Des. 82,736; Dec. 9.
- Casserole or the like. C. Weiss. Des. 80,652; Mar. 4.
- Cassette. I. G. Fabe and G. E. Magee. 1,769,370; July 1.
- Cast or splint removing device. B. E. Clarke and A. A. Schlew. 1,784,337; Dec. 9.
- Cast stone trim block. G. Laudicina. 1,781,586; Nov. 11.
- Caster. W. F. Herold. 1,745,992; Feb. 4.
- Caster. W. F. Herold. 1,749,880; Mar. 11.
- Caster. W. F. Herold. 1,752,983; Apr. 1.
- Caster. W. F. Herold. 1,753,431; Apr. 8.
- Caster. W. F. Herold. 1,758,001; May 13.
- Caster. W. F. Herold. 1,771,788; July 29.
- Caster. W. F. Herold. 1,781,815; Nov. 18.
- Caster. W. T. Holmes. 1,772,314; Aug. 5.
- Caster. W. G. Johnson. 1,743,143; Jan. 14.
- Caster. W. G. Johnson. 1,752,742; Apr. 1.
- Caster. W. G. Johnson. 1,753,183; Apr. 1.
- Caster. E. T. Malloy. Des. 82,337; Oct. 21.
- Caster. M. E. Roe. 1,752,030; Mar. 25.
- Caster. M. E. Roe. 1,754,438; Apr. 15.
- Caster. M. E. Roe. 1,778,167; Oct. 14.
- Caster. E. Schultz. 1,754,576; Apr. 15.
- Caster and socket, Detachable top-bearing. W. H. Noeltling. 1,781,732; Nov. 18.
- Caster, Ball. A. Poppe. 1,768,785; July 1.
- Caster, Double-wheel. W. M. Chesnutt. 1,743,757; Jan. 14.
- Caster, Furniture. J. Bergsten. 1,749,751; Mar. 11.
- Caster, Furniture. T. P. Duncan, jr. 1,783,873; Dec. 2.
- Caster, Furniture and like. H. S. Hele-Shaw and T. E. Beacham. 1,755,670; Apr. 22.
- Caster socket. W. F. Herold. 1,755,322; Apr. 22.
- Caster, Spring. H. W. Deisler. 1,755,537; Apr. 22.
- Caster, Thread-guard. H. C. Naschke, jr. 1,780,761; Nov. 4.
- Casting and chilling mold. D. J. Campbell. 1,747,223; Feb. 18.
- Casting and finishing machine, Plate. H. A. W. Wood. 1,779,523; Oct. 28.
- Casting and making the same. H. Perry. 1,743,567; Jan. 14.
- Casting apparatus. S. H. Carbis. 1,749,314; Mar. 4.
- Casting apparatus, Dop. E. and E. W. Loesser. 1,768,990; July 1.
- Casting apparatus, Metal. A. Kadow. 1,763,710; June 17.
- Casting apparatus, Rotary. F. G. Carrington. 1,776,540; Sept. 23.
- Casting box for stereotype-printing plates, Separable. J. A. Isbell. 1,753,419; Apr. 8.
- Casting-cleaning apparatus. W. T. Clark. 1,768,570; July 1.
- Casting, Composite. J. E. Hoy. 1,764,725; June 17.
- Casting device, Motor-operated. H. A. W. Wood. 1,748,268; Feb. 25.
- Casting device for live bait. E. R. Marsters. 1,764,738; June 17.
- Casting for derricks and using the same, Foot. D. D. Wertzberger. 1,781,889; Nov. 18.
- Casting, Leg-holding. P. A. Rennack. 1,764,226; June 17.
- Casting machine. C. E. Hunter and De L. Lutz. 1,782,898; Nov. 25.
- Casting machine. H. C. Merrill. 1,756,654; Apr. 29.
- Casting machine. A. W. Morris and S. P. Wetherill, jr. 1,746,360; Feb. 11.
- Casting machine. A. W. Morris and S. P. Wetherill, jr. 1,747,728; Feb. 28.
- Casting machine. J. W. Smith. 1,751,766; Mar. 25.
- Casting machine. H. Spiro. 1,758,380; May 13.
- Casting machine. A. L. Wilkes. 1,751,846; Mar. 25.
- Casting machine. G. L. Wilson. 1,778,652; Oct. 14.
- Casting machine, Centrifugal. L. B. Andresen. 1,767,035; June 24.
- Casting machine, Centrifugal. L. B. Andresen and C. W. Paulson. 1,767,036; June 24.
- Casting machine, Centrifugal. J. A. and D. S. Gardner. Re 17,783; Aug. 26.
- Casting machine, Centrifugal. J. B. Ladd. 1,762,177; June 10.
- Casting machine, Centrifugal. W. D. Moore and W. Morgan. 1,783,094; Nov. 25.
- Casting machine, Centrifugal. G. B. Thomas and H. A. Coons. 1,767,023; June 24.
- Casting machine, Dental. L. C. Burgard. 1,757,991; May 13.
- Casting machine for battery grids. D. Pepper. 1,786,629; Dec. 30.
- Casting machine, Matrix-setting and type-line. J. Dorneth. 1,783,704; Dec. 2.
- Casting under pressure. S. Junghans. 1,784,600; Dec. 9.
- Casting machine, Multiple. H. A. W. Wood. 1,756,617; Apr. 29.
- Casting machines, Attachment for. A. W. Morris and S. P. Wetherill, jr. 1,756,602; Apr. 29.
- Casting machines, Ladle-tipping device for. W. Morgan. 1,783,128; Nov. 25.
- Casting mechanism. J. E. Hoy. 1,768,254; June 24.
- Casting, Metal. D. E. Willard. 1,774,687; Sept. 2.
- Casting mold. F. Liers. 1,776,591; Sept. 23.
- Casting mold for aluminothermic rail welding. H. Schultz. 1,776,601; Sept. 23.
- Casting pipes. F. Hulme. 1,745,424; Feb. 4.
- Casting, Piston-ring. T. E. McFall. 1,749,147; Mar. 4.
- Casting reel. C. A. Boyer. 1,753,738; Apr. 8.
- Casting self-hardening materials, Apparatus and method of. R. Lindsey. 1,773,429; Aug. 19.
- Castings and rolling copper. W. F. Eppensterner and H. M. Green. 1,779,534; Oct. 28.
- Castings, Apparatus for and method of forming. H. C. Carter and H. E. Spieth. 1,779,763; Oct. 28.
- Castings, Apparatus for molding. S. B. Stine. 1,767,563; June 24.
- Castings, Cooling means for. L. Föbus. 1,784,346; Dec. 9.
- Castings for molds, Method and apparatus for extracting. L. A. Camerota. 1,756,812; Apr. 29.
- Castings, Forming metal. A. Kadow. 1,758,113; May 13.
- Castings from molds, Apparatus for freeing and extracting. L. A. Camerota. 1,758,883; May 13.
- Castings from molds, Freeing and extracting. L. A. Camerota. 1,774,082; Aug. 26.
- Castings, Making. J. H. Williams. 1,781,143; Nov. 11.
- Castings, Making high-speed steel-tool. A. C. Davidson. 1,742,849; Jan. 7.

- Castings of difficultly-meltable metals and metaloids, Apparatus for the manufacture of. H. Voigtländer and O. Kaufels. 1,776,053; Sept. 16.
- Castings, Producing malleable-iron. L. H. Marshall. 1,781,119; Nov. 11.
- Cast-iron mold. J. L. Dostal. 1,751,727; Mar. 25.
- Cast-iron pipe. J. R. McWane. 1,758,454; May 13.
- Castrator, Lamb. E. Lemoine. 1,775,906; Sept. 16.
- Catafalque. J. A. and L. A. Weber. Des. 80,554; Feb. 18.
- Catafalque. J. A. and L. A. Weber. Des. 80,867; Apr. 1.
- Catalyst and catalytic process. W. A. Lazier. 1,746,781-2; Feb. 11.
- Catalyst, Highly-active. K. Marx, H. Behncke, and K. Brodersen. 1,783,662; Dec. 2.
- Catalyst of high mechanical strength. R. Wietzel and E. Willfroth. 1,776,875; Sept. 30.
- Catalysts for the catalytic production of methanol and other oxygenated organic compounds from oxides of carbon and hydrogen. R. G. Franklin. 1,774,432; Aug. 26.
- Catalytic apparatus. I. Hechenbleikner. 1,782,824; Nov. 25.
- Catalytic converter. D. Sirdevan. 1,773,322; Aug. 19.
- Catalytic gel, Obtaining a. E. B. Miller and G. C. Connolly. 1,782,857; Nov. 25.
- Catalytic process. W. A. Lazier. 1,746,783; Feb. 11.
- Catamaran, Swimming. M. M. Brown. 1,752,630; Apr. 1.
- Catamenial appliance. E. Spardel. 1,743,733; Jan. 14.
- Catamenial belt. H. L. Greene. 1,771,676; July 29.
- Catapult. J. Pilates. 1,785,876; Dec. 23.
- Catch. H. Cordrey. 1,777,074; Sept. 30.
- Catch and combination lock, Keyless. G. J. Nyrose. 1,786,447; Dec. 30.
- Catch and lock, Combination. E. B. Stone. Des. 80,584; Feb. 25.
- Catch device. H. J. W. Traummüller. 1,775,332; Sept. 9.
- Catch, Door. G. R. Adams. Des. 82,299; Oct. 21.
- Catch, Door. F. F. Forshee. 1,783,563; Dec. 2.
- Catch, Door. W. Norman. 1,762,883; June 10.
- Catch for emblem pins, etc., Safety. M. Folkman. 1,745,339; Jan. 28.
- Catch for mine cages, skips, and the like, Safety. G. Weldon. 1,776,209; Sept. 16.
- Catch for pins, Safety. K. F. Wild. 1,760,802; May 27.
- Catch for traveling-bag and Gladstone-bag frames. O. H. Plotkin. 1,758,087; May 13.
- Catch, Hood. R. G. Moore. 1,758,368; May 13.
- Catch, Hood. R. G. Moore. 1,781,820; Nov. 18.
- Catch, Hood. W. R. Wiley. 1,778,474; Oct. 14.
- Catch, Hood. W. D. Young. 1,784,475; Dec. 9.
- Catch keeper, Adjustable. J. Maki. 1,749,742; Mar. 4.
- Catch, Lamp. F. L. Bamford. 1,783,598; Dec. 2.
- Catch plate for knob latches. F. E. Best and C. Evensen. 1,760,394; May 27.
- Catch, Safety. J. A. Doran. 1,769,337; July 1.
- Catch, Safety. I. Hansen. 1,752,987; Apr. 1.
- Catch, Safety. W. O. McIntyre. 1,781,591; Nov. 11.
- Catch, Spring. W. D. Ferris. 1,778,851; Oct. 21.
- Catcher for rolling mills. O. J. Le Boeuf. 1,773,463; Aug. 19.
- Catching device. J. Stierl. 1,746,914; Feb. 11.
- Catechol thiazoles and making the same. T. B. Johnson. 1,743,083; Jan. 7.
- Cathead. O. M. Gahagan. 1,762,715; June 10.
- Cathead and friction hoist, Combination make-up. W. W. Foster. 1,755,728; Apr. 22.
- Catheter. C. F. Ingold. 1,767,073; June 24.
- Catheterizing instrument. R. H. Wappler. 1,747,407; Feb. 18.
- Catheterizing instrument. R. H. Wappler. 1,767,267; June 24.
- Cathode. B. Bart. 1,746,211; Feb. 4.
- Cathode converter, Hot. Q. A. Brackett. 1,768,660; July 1.
- Cathode device, Incandescent. H. C. Rentschler. 1,749,780; Mar. 11.
- Cathode for thermionic devices and producing same. A. McL. Nicolson. 1,762,581; June 10.
- Cathode-loading machine. W. T. Burns. 1,776,617; Sept. 23.
- Cathode, Net. A. Ergang. 1,776,787; Sept. 30.
- Cathode-ray oscillograph. O. Ackermann. 1,768,875; July 1.
- Cathode rectifier for medium voltages, Incandescent. B. Donath. 1,754,012; Apr. 8.
- Cattle guard. O. Bjork. 1,769,486; July 1.
- Cattle guard, Railroad. T. F. Doyle. 1,776,495; Sept. 23.
- Cattle-killing machine. J. Dever. 1,753,851; Apr. 8.
- Cattle poke. C. F. Carothers. 1,764,827; June 17.
- Cattle poke. R. W. Harter. 1,767,284; June 24.
- Cattle-treating apparatus. J. Snyder. 1,767,560; June 24.
- Cedar chest. J. R. Hogan. 1,756,746; Apr. 29.
- Cedarizing device. C. C. Winchester. 1,753,544; Apr. 8.
- Ceiling and wall structure. F. M. Venzie. 1,778,345; Oct. 14.
- Ceiling construction. H. W. Reel. 1,758,201; May 13.
- Ceiling construction. A. Schmid. 1,785,050; Dec. 16.
- Ceiling fixture. R. A. Zeidler. Des. 81,908; Aug. 26.
- Ceiling fixture, Electric-light. B. Hasenstab. Des. 80,378; Jan. 21.
- Ceiling hanger. E. T. McCarty. 1,745,858; Feb. 4.
- Ceiling plate. M. S. Goldsmith. 1,767,067; June 24.
- Ceiling plate. E. H. Lewis. 1,778,082; Oct. 14.
- Ceiling plate. J. H. Phillips. 1,779,144; Oct. 21.
- Ceiling plate for an electric-light fixture. B. Hasenstab. Des. 80,377; Jan. 21.
- Ceiling tie and spacer. M. S. Goldsmith. 1,767,065; June 24.
- Ceiling vent. J. Jenner. 1,755,784; Apr. 22.
- Cell cores, Method of and apparatus for making dry. J. M. Henderson. 1,781,688; Nov. 18.
- Cell, Electric. G. Weissmann. 1,766,418; June 24.
- Cell-finishing machine. A. Schmidt. 1,780,982; Nov. 11.
- Cellular aggregate, Manufacturing. R. L. Lloyd. 1,746,860; Feb. 11.
- Cellular building materials, Manufacture of. L. Desmarquest. 1,761,108; June 3.
- Cellular composition and making same. H. L. Fisher. 1,786,563; Dec. 30.
- Cellular product and making the same. M. Grunbaum. 1,746,648; Feb. 11.
- Cellular screen. C. S. McKinley. 1,760,877; June 3.
- Cellular structural material. H. E. Brookby and G. D. King. 1,764,824; June 17.
- Celluloid and the like, Etching. S. A. Neidich. 1,769,599; July 1.
- Celluloid and the like, Making tubes of. S. A. Neidich. 1,761,403; June 3.
- Celluloid molding powder and producing the same. E. B. Scott. 1,744,582; Jan. 21.
- Celluloid with an adhesive, Providing. C. F. Brenne. 1,745,977; Feb. 4.
- Cellulose acetate, Producing. A. Russell and J. F. Hegeman. 1,752,853; Apr. 1.
- Cellulose acetate, Production of partially-hydrolyzed. S. I. Vles. 1,782,796; Nov. 25.
- Cellulose acetate solutions, Spray-drying. C. J. Staud. 1,762,937; June 10.
- Cellulose-acetate threads, Dyeing. O. Spengler and W. Müller. 1,770,714; July 15.
- Cellulose and textile fibers from vegetable matter, Manufacturing. C. A. Braun. 1,786,890; Dec. 30.
- Cellulose boilers and the like and device adapted therefor, Charging. S. Svensson. 1,768,804; July 1.
- Cellulose by an organic liquid and the product thereof, Replacing the water in a water-moist. E. Hubert, A. Röst-Grande, and E. Correns. 1,752,596; Apr. 1.
- Cellulose compounds for use in photographic and its allied arts and other useful purposes, Process and apparatus for treating derivatives of aqueous. F. W. Hochstetter. 1,772,081; Aug. 5.
- Cellulose derivatives, Dyeing of. G. Rivat, E. Cadgéne, and C. Dreyfus. 1,779,494; Oct. 28.
- Cellulose derivatives, Manufacture of. W. H. Glover and C. Diamond. 1,763,428; June 10.
- Cellulose derivatives, Mordanting and dyeing of materials made with or containing. H. Dreyfus. 1,779,464; Oct. 28.
- Cellulose-ester compounds, Production of. A. S. McDaniel. 1,759,489; May 20.
- Cellulose-ester solutions, Preparing. J. K. Weidig. 1,775,179; Sept. 9.
- Cellulose esters and cellulose ethers, Dyeing and printing. E. Fischer and C. E. Müller. 1,765,142; June 17.
- Cellulose esters and ethers, Dyeing of. E. A. Speight. 1,777,970; Oct. 7.
- Cellulose esters and manufacture thereof. G. W. Miles and C. Dreyfus. 1,742,611; Jan. 7.
- Cellulose esters of both nitric acid and an organic acid, Making. F. Becker. 1,783,771; Dec. 2.
- Cellulose, Esterifying. F. Becker, H. Heimann, and A. Bayerl. 1,780,151; Nov. 4.
- Cellulose ether and process of making. M. Hartmann. 1,780,320; Nov. 4.
- Cellulose-ether film and composition for making the same. S. J. Carroll. 1,763,035; June 10.
- Cellulose fiber, Production of high alpha. G. A. Richter. 1,742,218; Jan. 7.
- Cellulose, Isolation of benzyl. E. Dörr. 1,751,685; Mar. 25.
- Cellulose, Manufacturing high-grade alpha. L. I. L. Durchman. 1,781,449; Nov. 11.
- Cellulose material, Dyeing of regenerated. J. Baddiley. 1,757,158; May 6.
- Cellulose materials, By-products recovery in the digestion of. G. Haglund. 1,772,251; Aug. 5.
- Cellulose materials, Dyeing regenerated. H. Jordan. 1,755,119; Apr. 15.
- Cellulose materials, Esterification of. B. Wylam and J. Thomas. 1,748,689; Feb. 25.
- Cellulose, Nitrating. L. A. Pinck. 1,784,945; Dec. 16.
- Cellulose of any kind, Bleaching. L. Rys. 1,787,395; Dec. 30.
- Cellulose or paper pulp, Apparatus for and process of separating or extracting. E. Spencer. 1,761,543; June 3.
- Cellulose or paper pulp, Separating or extracting. E. Spencer. 1,761,544; June 3.
- Cellulose, Producing. A. Franz. 1,777,751; Oct. 7.
- Cellulose, Product from organic derivatives of. C. Dreyfus. 1,754,164; Apr. 8.
- Cellulose products, Bleaching. R. H. McKee, E. H. Morse, and P. E. Rollhaus. 1,767,543; June 24.
- Cellulose pulp, Preparing. H. L. Horn. 1,780,750; Nov. 4.
- Cellulose pulp, Refining. G. A. Richter and M. O. Schur. 1,784,161; Dec. 9.

- Cellulose solutions and making same. L. Lilienfeld. 1,771,461; July 29.
- Cellulose solutions and their production. L. Lilienfeld. 1,771,460; July 29.
- Cellulose solutions and their production. L. Lilienfeld. 1,771,462; July 29.
- Cellulose to produce vulcanized fiber and the like, Treating. R. R. Fulton. 1,767,662; June 24.
- Cellulosic composition. E. E. Reid and G. L. Schwartz. 1,778,567; Oct. 14.
- Cellulosic fiber for the manufacture of rayon, Conditioning. G. A. Richter. 1,754,437; Apr. 15.
- Cellulosic material, Producing. B. Dorner. 1,758,655; May 13.
- Cellulosic material, Treating. C. Dreyfus and G. Schneider. 1,783,184; Dec. 2.
- Cellulosic product. E. A. Vazquez. 1,782,751; Nov. 25.
- Cement. B. W. Tuttle. 1,745,819; Feb. 4.
- Cement. B. W. Tuttle. 1,753,538; Apr. 8.
- Cement, Accelerating and improving hydraulic. F. W. Huber. 1,773,001; Aug. 12.
- Cement and composition therefor, Waterproofing. F. W. Huber. 1,772,999; Aug. 12.
- Cement and making same. L. J. D. Healy. 1,752,557; Apr. 1.
- Cement and other calcareous plastics, Hydraulic. W. A. Collings. 1,755,502; Apr. 22.
- Cement, Apparatus for applying refractory. L. Faber. 1,751,195; Mar. 18.
- Cement composition. M. E. Grunewald. 1,748,839; Feb. 25.
- Cement concrete and apparatus for use therewith, Manufacture of. A. C. Knipe. 1,766,911; June 24.
- Cement equalizer. R. A. Steps and W. W. Hartman. 1,775,376; Sept. 9.
- Cement in rotary kilns, Process of and apparatus for burning. O. Lelpe. 1,775,313; Sept. 9.
- Cement, Making Portland. F. W. Huber. 1,781,232; Nov. 11.
- Cement manufacture. R. W. Hyde. 1,746,944; Feb. 11.
- Cement manufacture. B. C. Newhouse. 1,786,080; Dec. 23.
- Cement, Manufacture of. G. A. Walter. 1,770,958; July 22.
- Cement, Manufacture of alumina. B. Spiegl. 1,775,575; Sept. 9.
- Cement, Manufacture of waterproof. J. M. Evans. 1,755,638; Apr. 22.
- Cement manufacture, Producing ground raw material for Portland. J. A. Miller and E. P. Newhard. 1,784,462; Dec. 9.
- Cement, Manufacturing Portland. G. S. La Forge. 1,784,840; Dec. 16.
- Cement, Metal. W. R. Chapin. 1,775,670; Sept. 16.
- Cement mixer, Automobile. W. C. MacGregor. 1,777,318; Oct. 7.
- Cement mixer for cementing oil and gas wells. J. E. Trouth. 1,781,255; Nov. 11.
- Cement or concrete construction. E. O. Bostrom. 1,773,168; Aug. 19.
- Cement or plaster, Building. C. E. Kraus. 1,747,551; Feb. 18.
- Cement or plaster from gypsum, Manufacture of. F. Mulligan. 1,766,448; June 24.
- Cement, Producing. E. R. Wilner. 1,785,508; Dec. 16.
- Cement, Production of phosphorous and alumina. R. Suchy. 1,758,241; May 13.
- Cement spreader. R. M. Hardgrove. 1,782,820; Nov. 25.
- Cement spreader for laying linoleum. L. W. Duerner. 1,754,547; Apr. 15.
- Cementing apparatus, Mandrel-. C. E. Maynard. 1,757,128; May 6.
- Cementing composition. T. F. Noonan. 1,763,366; June 10.
- Cementing compounds, Packaging. H. Jepsen. 1,762,782; June 10.
- Cementing head. F. J. Shaver and Z. A. Dyer. 1,743,626; Jan. 14.
- Cementing head. N. W. Wickersham. 1,750,143; Mar. 11.
- Cementing machine. J. W. Cosgrove. 1,775,087; Sept. 9.
- Cementing machine. J. W. Cosgrove. 1,778,184; Oct. 14.
- Cementing machine. J. W. Cosgrove. 1,780,341-2; Nov. 4.
- Cementing oil wells. F. W. Huber. 1,758,156; May 13.
- Cementing, Well. J. W. MacClatchie. 1,772,871; Aug. 12.
- Cementitious articles, Making. A. Henderson. 1,744,309; Jan. 21.
- Cementitious material, Apparatus for producing cellular. J. A. Rice and R. B. Rice. 1,769,309; July 1.
- Cementitious material of cellular texture, Making. G. B. Hinton. 1,756,789; Apr. 29.
- Cementitious material, Producing, transporting, and handling. O. T. and O. J. Graham. 1,783,332; Dec. 2.
- Cementitious product and obtaining same. R. A. Marr. 1,762,481; June 10.
- Cementitious substance and making the same. F. L. Roman and H. T. Winsemius. 1,765,616; June 24.
- Cements and fertilizer materials, Production of calcium-aluminate. H. H. Meyers. 1,778,224; Oct. 14.
- Center clip. J. Little. 1,762,302; June 10.
- Centering and aligning device. J. B. Galbraith. 1,757,457; May 6.
- Centering and guiding device. A. T. Tidblad. 1,784,321; Dec. 9.
- Centering device for well casings or liners. M. A. La Velle. 1,773,398; Aug. 19.
- Centering machine. M. H. Damerell. 1,766,812; June 24.
- Centering means for blank-cutting dies. E. W. Sauerman. 1,751,603; Mar. 25.
- Centralizer for drill steels. C. C. Hansen. 1,769,921; July 8.
- Centralizer for drill steels. J. F. Mock. 1,776,594; Sept. 23.
- Centrifugal. C. Schaum. 1,760,286; May 27.
- Centrifugal apparatus. R. M. Berline. 1,784,510; Dec. 9.
- Centrifugal apparatus. J. M. Schutz. 1,753,972; Apr. 8.
- Centrifugal apparatus. H. M. Spross. 1,779,296; Oct. 21.
- Centrifugal bowl separator. C. Schmitz. 1,786,921; Dec. 30.
- Centrifugal control, Mixer-type. R. A. Steps. 1,747,090; Feb. 11.
- Centrifugal drier. A. W. Altorfer. 1,754,252; Apr. 15.
- Centrifugal drier. H. C. Behr. 1,749,369-70; Mar. 4.
- Centrifugal drier. L. B. Green. 1,772,863; Aug. 12.
- Centrifugal drier. L. B. Green. 1,782,264; Nov. 18.
- Centrifugal drier. W. V. Orr. 1,757,585; May 6.
- Centrifugal drier. C. W. Terwilliger. 1,764,909; June 17.
- Centrifugal extractor. J. P. Garey and L. B. Hasbrouck. 1,759,570; May 20.
- Centrifugal extractor. H. Krantz. 1,781,984; Nov. 18.
- Centrifugal extractor. J. M. Kreider. 1,764,214; June 17.
- Centrifugal extractor. F. Rodler. 1,782,179; Nov. 18.
- Centrifugal forces, Devices for generating and utilizing. O. Stinner. 1,757,270; May 6.
- Centrifugal machine. W. H. Bath. 1,750,154; Mar. 11.
- Centrifugal machine. P. Boehm. 1,742,643; Jan. 7.
- Centrifugal machine. T. A. Bryson. 1,743,753; Jan. 14.
- Centrifugal machine. G. W. Dunham. 1,772,602; Aug. 12.
- Centrifugal machine. C. F. Meyer. 1,750,016; Mar. 11.
- Centrifugal machine for clarifying liquids and the like. C. Schmitz. 1,767,314; June 24.
- Centrifugal machine, Portable. M. I. McClaran and W. E. Bates. 1,769,889; July 1.
- Centrifugal machines, Automatically controlling. E. Roberts. 1,758,901; May 13.
- Centrifugal machines, Controlling apparatus for. O. Athenstedt. 1,748,165; Feb. 25.
- Centrifugal process and apparatus. L. D. Jones. 1,772,573; Aug. 12.
- Centrifugal separation. J. Bergé. 1,775,385; Sept. 9.
- Centrifugal separator. E. A. Forsberg. 1,749,764; Mar. 11.
- Centrifugal separator. H. G. Koepke. 1,760,071; May 27.
- Centrifugal separator. H. O. Lindgren. 1,749,291; Mar. 4.
- Centrifugal separator. C. Schmitz. 1,759,522; May 20.
- Centrifugal separator. K. J. Svensson. 1,770,258; July 8.
- Centrifugal separator, Continuous. W. C. Walker. 1,767,905; June 24.
- Centrifugal switch. M. Bonnat. 1,744,745; Jan. 28.
- Centrifugal switch. A. Mayer. 1,747,310; Feb. 18.
- Centrifugal switch. J. F. Schylander. 1,764,055; June 17.
- Centrifuge. H. E. T. Haultain. 1,768,761; July 1.
- Centrifuge. G. B. Petsche and A. E. Drissner. 1,783,546; Dec. 2.
- Centrifuge tube and spoon therefor. R. Picker. 1,775,109; Sept. 9.
- Ceramic articles and the like, Forming. T. S. Curtis. 1,768,546; July 1.
- Ceramic articles of any kind in drying chambers and apparatus for carrying out the method, Drying. K. Lübbmann. 1,744,398; Jan. 21.
- Ceramic mass. J. M. Lambie and D. W. Ross. 1,745,102; Jan. 28.
- Ceramic material and binding agent as well as a process for producing such material. V. M. Goldschmidt and R. Knudsen. 1,756,786; Apr. 29.
- Ceramic materials, building elements, and the like from mud, Manufacturing. A. Loessin. 1,751,163; Mar. 18.
- Ceramic products, Manufacture of. V. M. Goldschmidt. 1,782,295; Nov. 18.
- Ceramic ware, Manufacture of. J. W. Mellor. 1,749,642; Mar. 4.
- Ceramics, Method and product for preventing efflorescence in. A. Hough and J. G. Harrison. 1,785,309; Dec. 16.
- Cereal beverages, Stabilization of. H. Heuser. 1,764,955; June 17.
- Cereal foods, Producing. R. T. Anderson. 1,758,272; May 13.
- Cereal grains, Processing. J. W. Beckman. 1,753,643; Apr. 8.
- Cereal husks and other vegetable waste, Apparatus for the destructive distillation of. P. G. von Radolin. 1,770,636; July 15.
- Cereal product, Making. S. H. Perky. 1,744,500; Jan. 21.
- Cereals with ultra-violet rays, Apparatus for sterilizing. R. A. Schaffner. 1,768,635; July 1.
- Chaff cutter. A. Schmidt. 1,773,499; Aug. 19.
- Chaffer. J. M. Lunz. 1,773,914; Aug. 26.
- Chaffer for thrashing machines and grain harvesters. J. W. Hoes and H. Cronk. 1,785,195; Dec. 16.
- Chain. C. E. Dansereau. 1,787,405; Dec. 30.
- Chain. W. B. Lashar. 1,774,753; Sept. 2.
- Chain. E. Prestinari. Des. 80,965; Apr. 15.
- Chain. S. F. Robidoué. 1,756,101; Apr. 29.
- Chain. H. E. Sturtevant. 1,743,500; Jan. 14.

- Chain-adjusting device. F. L. Morse. 1,777,527; Oct. 7.
Chain-adjusting device. F. C. Thompson. 1,783,987; Dec. 9.
Chain and end hook, Combined bracelet. A. E. R. Speidel. Des. 82,186-8; Sept. 30.
Chain and making same, Mesh. W. Forstner. 1,782,004; Nov. 18.
Chain and padlock, Double. C. Brand. 1,774,351; Aug. 26.
Chain, Antiskid. J. G. Allmon. 1,763,998; June 17.
Chain, Antiskid. E. Fonferek. 1,785,117; Dec. 16.
Chain, Antiskid. K. E. Knutsson. 1,742,655; Jan. 7.
Chain, Antiskid tire. R. C. Evans. 1,758,739; May 13.
Chain-applying device. H. H. and C. L. Wagner. 1,757,851; May 6.
Chain-applying device, Tire-. B. A. Small. 1,763,906; June 17.
Chain assembly. A. F. Kraemer. 1,784,451; Dec. 9.
Chain, Bead. N. Marshall. 1,759,488; May 20.
Chain, Bracelet. P. W. Jones. 1,767,529; June 24.
Chain, Bracelet. W. J. Roy. 1,750,786; Mar. 18.
Chain, Bracelet. W. J. Roy. 1,753,971; Apr. 8.
Chain, Bracelet. A. E. R. Speidel. Des. 82,185; Sept. 30.
Chain carrier and pull. J. R. Moore. 1,780,834; Nov. 4.
Chain connector. H. Nischke. 1,756,521; Apr. 29.
Chain connection, Tire-. J. I. Weissman and M. Goldstein. 1,762,750; June 10.
Chain Converter. E. von Lepel. 1,775,007; Sept. 2.
Chain, Conveyer. J. G. Bennett and H. Ostby. 1,748,033; Feb. 18.
Chain, Conveyer. R. H. Pangborn. 1,748,456; Feb. 25.
Chain, Conveyer. A. L. Shaw. 1,765,945; June 24.
Chain-conveyer link. J. L. Evans. 1,748,334; Feb. 25.
Chain, Corn-sheller feed. W. F. Heimgartner. 1,759,309; May 20.
Chain, Cross. W. J. Boyer. 1,766,218; June 24.
Chain, Cutter. F. Cartlidge. 1,777,515; Oct. 7.
Chain cutter. E. S. McKinlay. 1,765,602; June 24.
Chain device, Self-adjusting tire-. B. A. Spinney. 1,764,811; June 17.
Chain, Drive. F. L. Morse. 1,743,157; Jan. 14.
Chain, Drive. F. L. Morse. 1,769,960; July 8.
Chain, Drive. F. L. Morse. 1,770,989; July 22.
Chain, Drive. F. L. Morse. 1,784,023; Dec. 9.
Chain, Drive. H. S. Pierce. 1,780,040; Oct. 28.
Chain for antiskid devices, Cross. F. E. Stahl. 1,786,318; Dec. 23.
Chain for automobile tires, Ground-gripping. J. E. Robinson. 1,758,902; May 13.
Chain for automobiles, Antiskid. D. Bartoletti. 1,782,283; Nov. 18.
Chain for automobiles, Nonskid. L. V. Standish. 1,743,497; Jan. 14.
Chain for motor vehicles, Skid. H. D. Jackson and F. White. 1,767,366; June 24.
Chain for vehicles, Tread. A. H. de Rocher. 1,773,777; Aug. 26.
Chain guard. R. R. Dunlop. 1,772,510; Aug. 12.
Chain hook. G. Johnson. 1,753,607; Apr. 8.
Chain-hook attachment, Rubber. C. A. Barden. 1,748,824; Feb. 25.
Chain, Link. O. Selle. Des. 82,913; Dec. 23.
Chain link, Detachable. A. M. Leahy, C. G. Lutts, and J. Reid. 1,776,515; Sept. 23.
Chain links, Process and apparatus for making. S. D. Locke. 1,773,738; Aug. 26.
Chain-making machine. A. J. Lewis. 1,749,435; Mar. 4.
Chain manufacture. R. W. Dull. 1,768,832; July 1.
Chain manufacture, Apparatus for. R. W. Dull. 1,786,707; Dec. 30.
Chain, Mine cutter. F. Cartlidge. 1,760,816; May 27.
Chain, Mining-machine cutter. F. Cartlidge. 1,782,408; Nov. 25.
Chain, Neck. A. Weiner. Des. 81,563; July 8.
Chain, Nonskid. C. E. Grosch. 1,758,944; May 20.
Chain or traveling-grate stoker. W. M. Duncan. 1,786,646; Dec. 30.
Chain pliers. F. F. Fox. 1,785,946; Dec. 23.
Chain, Power-transmission. F. L. Morse. 1,755,887; Apr. 22.
Chain process and machine, Safety-. W. J. and B. E. Gagnon and A. J. Kosha. 1,773,668; Aug. 19.
Chain ring, Trap-. G. A. McCrea. 1,771,443; July 29.
Chain tightener, Nonskid-. J. F. Persinger. 1,785,323; Dec. 16.
Chain, Tire. J. L. Doss. 1,783,872; Dec. 2.
Chain, Tire. P. Scholtus. 1,753,388; Apr. 8.
Chain, Tire and mud. F. Romain. 1,745,273; Jan. 28.
Chain, Transmission. L. C. Black. 1,759,089; May 20.
Chains and chain nail of wire of solid cross section, Soldering ornamental and other. A. Meylein. 1,765,932; June 24.
Chains, Attachment for watch. H. O. Black. 1,779,029; Oct. 21.
Chains, Manufacture of. J. Reid, A. M. Leahy, and C. G. Lutts. 1,753,941; Apr. 8.
Chains, Snap hook for automobile tire. J. Zolkowsky. 1,745,393; Feb. 4.
Chair: See—
Adjustable chair. Convertible chair.
Bar chair. Deformable chair.
Barber's chair. Foldable chair.
Beauty-parlor chair. Folding chair.
Closet chair. Infant's chair.
Collapsible chair. Knockdown chair.
Chair: See—
Lineman's chair. Reenforcing-rod chair.
Mounted chair. Rocking-chair.
Nested chair. Stadium chair.
Novelty chair. Swiveling chair.
Opera chair. Theater or like chair.
Parlor-car chair. Tilting chair.
Rail chair. Typewriter chair.
Railway chair. Utility chair.
Reclining chair. Wardrobe chair.
Chair. A. T. Bartlett. Des. 82,538; Nov. 18.
Chair. L. Bernhard. Des. 80,598; Mar. 4.
Chair. F. A. Chapman. Des. 80,604-5; Mar. 4.
Chair. L. H. Clark and W. S. Sengpiel. 1,785,337; Dec. 16.
Chair. E. M. Conboy. Des. 81,523-7; July 8.
Chair. M. B. Cummings. Des. 81,777; Aug. 12.
Chair. F. Debski. Des. 80,607; Mar. 4.
Chair. F. Debski. Des. 80,782; Mar. 25.
Chair. F. Debski. Des. 81,181; May 20.
Chair. H. Dujardin. 1,776,418; Sept. 23.
Chair. W. S. Ferris. 1,779,933; Oct. 28.
Chair. W. S. Ferris and E. C. Harter. Des. 82,666; Dec. 2.
Chair. J. B. Glass. 1,755,215; Apr. 22.
Chair. A. B. Goodman. Des. 82,605; Nov. 25.
Chair. E. C. Harter. 1,779,935; Oct. 28.
Chair. E. Hauser. Des. 80,890; Apr. 8.
Chair. T. R. Hayes. 1,756,551; Apr. 29.
Chair. E. G. Jenny. 1,747,900; Feb. 18.
Chair. C. W. Jones. Des. 81,287; June 3.
Chair. C. W. Jones. Des. 81,934; Sept. 2.
Chair. C. V. King. 1,760,365; May 27.
Chair. C. V. King. 1,760,414; May 27.
Chair. M. Kirkpatrick. Des. 81,056; Apr. 29.
Chair. R. L. Klotz. 1,785,317; Dec. 16.
Chair. A. J. Lehman. Des. 80,737; Mar. 18.
Chair. E. Maydell. Des. 82,224; Oct. 7.
Chair. W. McArthur, jr. Des. 82,338; Oct. 21.
Chair. J. J. McGerry and C. H. Whiting. Des. 82,272; Oct. 14.
Chair. J. J. McGerry and C. H. Whiting. Des. 82,444; Nov. 4.
Chair. G. H. Mew and L. N. Smith. 1,752,102; Mar. 25.
Chair. A. A. G. Mougeotte. 1,770,321; July 8.
Chair. F. M. Overbey. 1,782,763; Nov. 25.
Chair. J. Passis. 1,780,938; Nov. 11.
Chair. A. Pludowski. 1,744,243; Jan. 21.
Chair. T. B. Powers. 1,772,581; Aug. 12.
Chair. A. Provisor. 1,744,799; Jan. 28.
Chair. E. Racz. 1,756,210; Apr. 29.
Chair. P. Rohrmann. 1,773,791; Aug. 26.
Chair. L. A. Till. Des. 80,295; Jan. 7.
Chair. J. Weinegel. 1,776,402; Sept. 23.
Chair and folding bed, Convertible. S. Swartz, M. Swartz, and J. Swartz. 1,758,721; May 13.
Chair and ladder, Combination. A. Wuest. 1,755,680; Apr. 22.
Chair and table, Combination high. S. B. Nicoll. 1,769,384; July 1.
Chair attachment, Barber's-. A. Antinoro. 1,756,112; Apr. 29.
Chair back. W. J. and A. L. Johnson. 1,769,294; July 1.
Chair carrier, Rotary. E. Gregory. 1,747,543; Feb. 18.
Chair construction. F. F. Fortney. 1,756,545; Apr. 29.
Chair construction. E. Kovac, jr. 1,750,409; Mar. 11.
Chair convertible into a bedstead or couch. R. Schöberl. 1,755,842; Apr. 22.
Chair cushion. B. B. Felix. 1,752,295; Apr. 1.
Chair for automobiles, Child's. W. J. Hess. 1,747,831; Feb. 18.
Chair for hunters. W. M. Nash. 1,752,105; Mar. 25.
Chair for practicing electrolysis. X. R. Oliver. 1,747,644; Feb. 18.
Chair frame. J. F. Whitman, jr. Des. 81,313; June 3.
Chair iron. H. W. Bolens. 1,767,166; June 24.
Chair iron. D. R. Collier. 1,766,486; June 24.
Chair or similar article. W. S. Ferris. Des. 82,604; Nov. 25.
Chair or similar article. E. Hauser. Des. 82,937-8; Dec. 30.
Chair or similar article. F. Havel. Des. 80,624; Mar. 4.
Chair or similar article. L. Kolker. Des. 82,161; Sept. 30.
Chair or similar article. C. F. Streit. Des. 82,592; Nov. 18.
Chair or similar article. E. G. Whitcomb. Des. 81,172; May 13.
Chair or the like. V. Oliva. Des. 82,898; Dec. 23.
Chair, Physician's. W. F. Koken. Des. 80,443; Feb. 4.
Chair seat and back, Combination. J. R. Schmidt. Des. 82,911; Dec. 23.
Chair, table, and bed, Combined. W. A. Graham and W. F. Doyle. 1,787,245; Dec. 30.
Chairs, Attachment for. S. Berman. 1,744,736; Jan. 28.
Chairs, Attachment for barbers'. C. W. Mobley. 1,751,014; Mar. 18.
Chairs, Back-rest arrangement for. T. H. Alfreds. 1,782,398; Nov. 25.
Chairs, Reenforcement for wicker. T. Huyben. 1,758,045; May 13.
Chaise longue. C. W. Jones. Des. 81,480; July 1.
Chalk-line reel. G. M. Griswold. 1,784,064; Dec. 9.
Chamber-flushing device. L. W. Peck. 1,781,523; Nov. 11.

- Chamber or passageway for use in the reproduction of sound. S. J. Jackson. 1,751,409; Mar. 18.
- Chamfering machine, Gear-tooth-. C. E. Hamilton. 1,749,580; Mar. 4.
- Chamois, buckskins, or other leather, Tanning. A. Ernst. 1,771,490; July 29.
- Chamois, buckskins, or other leather, Tanning. A. Ernst. 1,784,828; Dec. 16.
- Chandelier. H. E. Gleason. Des. 80,265; Jan. 7.
- Chandelier. W. R. Greer, jr. Des. 80,368; Jan. 21.
- Chandelier. F. Gunnison. Des. 81,234; May 27.
- Chandelier. S. Kramer. Des. 80,534; Feb. 18.
- Chandelier arm. R. R. Hellvik and S. Perla. Des. 80,570; Feb. 25.
- Chandelier body. W. R. Greer, jr. Des. 80,371; Jan. 21.
- Chandelier body. W. R. Greer, jr. Des. 80,374; Jan. 21.
- Chandelier bowl, Ceiling diffuser. K. R. Crumpton. Des. 82,878; Dec. 23.
- Chandelier or analogous lighting fixture. G. E. McFadden. Des. 80,445; Feb. 4.
- Chandelier or similar article. G. Hoch. Des. 80,313; Jan. 14.
- Chandelier or similar article. G. Hoch. Des. 80,418; Jan. 28.
- Chandelier or similar article. O. Hoffmann. Des. 80,727; Mar. 18.
- Chandelier or similar article. O. Hoffmann. Des. 80,892; Apr. 8.
- Chandelier or similar article. L. H. Kappler. Des. 80,319; Jan. 14.
- Change-delivering apparatus, Check-controlled. H. E. Wurzbach and L. H. Wadsworth. 1,748,504; Feb. 25.
- Change maker. A. F. Nelson. 1,787,085; Dec. 30.
- Change-making machine. C. E. Chalmers. 1,775,118; Sept. 9.
- Change-making machine. L. E. Dauer and W. H. N. Shipman. 1,773,348; Aug. 19.
- Change-making machine. C. Schwartz. 1,764,357; June 17.
- Change-making machine, Automatic. E. M. Camp. 1,745,737; Feb. 4.
- Change-over. L. D. Strong. 1,771,591; July 29.
- Change-over device for boiler-feed-water heaters and similar apparatus, especially applicable for locomotives. P. Juliusburger. 1,759,986; May 27.
- Change-over mechanism. H. W. van der Ploeg. 1,754,133; Apr. 8.
- Channel-forming device for silt-carrying rivers. M. Waters. 1,765,041; June 17.
- Channel-opening machine. G. H. Hatch. 1,757,189; May 6.
- Channel-strip material and making the same. G. L. Mathias. 1,771,502; July 29.
- Channels, Deslitting. C. B. Harp. 1,777,491; Oct. 7.
- Channels in the earth, Apparatus for cutting. J. L. Rich. 1,773,407; Aug. 19.
- Chaplet. E. Sonnet. 1,775,874; Sept. 16.
- Charcoal, Activated. F. Mik. 1,743,975; Jan. 14.
- Charcoal, Actuating. G. Enssle. 1,753,984; Apr. 8.
- Charcoal, Apparatus for reactivating. C. N. Whitaker. 1,744,429; Jan. 21.
- Charcoal burner. A. M. Mitchell. 1,745,109; Jan. 28.
- Charcoal heater. J. J. Goetz. 1,744,115; Jan. 21.
- Charcoal, Method of and apparatus for reactivating. E. W. Rice. 1,758,202; May 13.
- Charge-blending device. H. Van Deventer and E. H. Stepp. 1,763,450; June 10.
- Charge for blasting caps. W. De C. Crater. 1,759,565; May 20.
- Charge-forming apparatus. J. H. Holloway. 1,778,190; Oct. 14.
- Charge-forming device. F. E. Aseltine and W. H. Teeter. 1,762,463; June 10.
- Charge-forming device. W. E. Kemp. 1,780,019; Oct. 28.
- Charge-forming device. R. Zambelli, P. Sarchi, and L. Magri. 1,774,218; Aug. 26.
- Charge-forming device for internal-combustion engines. H. C. Shamblin. 1,771,356; July 22.
- Charge-heating control for internal-combustion engines, Automatic. D. P. Molony. 1,766,794; June 24.
- Charge-mixing device for internal-combustion engines. W. H. Heard. 1,780,130; Oct. 28.
- Charge-modifying apparatus for internal-combustion engines. A. Moore. 1,768,853; July 1.
- Charge-modifying apparatus for internal-combustion engines, Pressure-controlled. A. Moore. 1,763,854; July 1.
- Charges for combustion in internal-combustion engines, Preparing. A. Moore. 1,766,673; June 24.
- Charging apparatus for cupolas. M. F. Beetham. 1,772,884; Aug. 12.
- Charging box. J. Allison. 1,771,761; July 29.
- Charging device. C. C. Hansen. 1,785,344; Dec. 16.
- Charging device. E. H. Wilson and R. W. Schuette. 1,770,446; July 15.
- Charging device for ovens of the rotary annular sole-plate type. F. Bartling. 1,763,453; June 10.
- Charging machine. A. J. Clausen. 1,742,494; Jan. 7.
- Chart. B. Taft. 1,756,040; Apr. 29.
- Chart and transfer pattern, Combination cutting. H. S. Sadtler. 1,747,323; Feb. 18.
- Chart, Color. J. E. Norberg. 1,753,619; Apr. 8.
- Chart device. C. F. Wendrick, jr. 1,742,227; Jan. 7.
- Chart for submitting advertising matter. H. J. Huene. 1,785,866; Dec. 23.
- Chart, Musical. S. R. Day. 1,747,350; Feb. 18.
- Chart. Piano-keyboard-instruction. J. W. Hazen. 1,758,254; May 13.
- Chart to determine color relations, Disk. J. J. Steedle. 1,762,036; June 3.
- Charts and graphic representation, Producing. B. L. Padgett. 1,770,342; July 8.
- Chase. C. C. Sweet. 1,763,725; June 17.
- Chase and composing stick, Printer's. G. E. Buzza. 1,763,090; June 10.
- Chase for checks and the like, Printer's. E. H. Stadler and G. E. Dillingham. 1,782,587; Nov. 25.
- Chassis for motor vehicles. L. Raab. 1,773,318; Aug. 19.
- Chassis-lubricating installation. J. Bijur. 1,746,139; Feb. 4.
- Chassis lubrication. J. Bijur. 1,779,205; Oct. 21.
- Check and tag, Combination. C. S. Peters. 1,755,128; Apr. 15.
- Check, Bank. H. I. Pauli. 1,747,788; Feb. 18.
- Check-controlled apparatus. H. E. Wurzbach and L. H. Wadsworth. 1,756,619; Apr. 29.
- Check-controlled machine. G. F. Hochriem. 1,765,014; June 17.
- Check-controlled mechanism. A. D. Antoine. 1,787,099; Dec. 30.
- Check-controlled mechanism. H. E. Wurzbach, L. H. Wadsworth and H. G. Nutt. 1,764,091; June 17.
- Check detector. H. B. Woods. 1,749,792; Mar. 11.
- Check-endorsing machine. L. J. Zahn. 1,783,990; Dec. 9.
- Check for vehicles, Rebound. C. S. Burton. 1,756,052; Apr. 29.
- Check-indorsing machine. L. J. Zahn. 1,744,432; Jan. 21.
- Check protector. J. W. Carlson. 1,783,182; Dec. 2.
- Check protector. J. W. Carlson. 1,783,219; Dec. 2.
- Check protector. G. L. Chapel. 1,743,428; Jan. 14.
- Check protector. C. H. Epple. 1,763,892; June 10.
- Check protector. M. T. Lappin. 1,752,674; Apr. 1.
- Check protector, Pocket. R. G. Clyne. 1,754,611; Apr. 15.
- Check, Rebound. G. W. Crabtree. 1,778,887; Oct. 21.
- Check, Rebound. G. W. Elsey. 1,785,893; Dec. 23.
- Check, Recoil. M. B. Luckner. 1,784,739; Dec. 9.
- Check-stub clip. C. L. Friel. 1,744,462; Jan. 21.
- Check writer. R. E. Bohrer, W. B. Payne, and C. G. Tiefel. 1,787,234; Dec. 30.
- Check writer. A. E. Ischinger. 1,766,640; June 24.
- Check writer. D. W. Johnson. 1,759,815; May 20.
- Checks, Method and apparatus for selecting. H. E. Wurzbach and L. H. Wadsworth. 1,756,076; Apr. 29.
- Checkerbrick and checkerwork construction. A. J. Hulse. 1,771,298; July 22.
- Checkerwork. H. A. Brassert, A. J. Hulse, and C. W. Andrews. 1,771,286; July 22.
- Checkerwork. G. L. Danforth, jr. and A. E. Peterson. 1,766,283; June 24.
- Checkerwork construction. C. W. Andrews, J. P. Grilli, H. L. Wetherbee, and C. E. Dougan. 1,771,282; July 22.
- Checking mechanism. T. D. Hubbell. Re17,759; July 29.
- Checking mechanism for adding machines. P. J. Simones. 1,770,089; July 8.
- Checkkrower. D. R. Wilson. 1,770,095; July 8.
- Cheese and preparing the same. E. S. Martin. 1,748,781; Feb. 25.
- Cheese cutter. H. Cross and T. J. Slagle. 1,751,264; Mar. 18.
- Cheese, Dehydrating. A. G. Day. 1,752,521; Apr. 1.
- Cheese, Making. L. A. Thompson. 1,745,962; Feb. 4.
- Cheese vat. W. Greenheck. 1,764,681; June 17.
- Cheese vat. D. Kusel. 1,744,315; Jan. 21.
- Cheeses with paraffin wax or the like and in other analogous operations, Apparatus for use in coating. E. D. Berry. 1,762,909; June 10.
- Chemical apparatus. W. H. Allen. 1,750,617; Mar. 18.
- Chemical apparatus. W. Glund and R. Schönfelder. 1,774,366; Aug. 26.
- Chemical apparatus. S. L. Handforth. 1,779,232; Oct. 21.
- Chemical compound or tablet for prolonging bloom life of cut flowers. F. L. Sigmund. 1,768,007; June 24.
- Chemical decomposition of crude potash salts. F. Rüsberg. 1,774,040; Aug. 26.
- Chemical emulsion. J. R. Conover. 1,758,651; May 13.
- Chemical-feed machine. E. E. Harper. 1,783,423; Dec. 2.
- Chemical furnace. F. L. Preston. 1,784,109; Dec. 9.
- Chemical, Gas-generating. B. C. Goss. 1,750,101; Mar. 11.
- Chemical loop drier. A. O. Huxthal. 1,777,972; Oct. 7.
- Chemical product and making same. C. Ellis and J. V. Meigs. 1,756,817; Apr. 29.
- Chemical product and producing same. C. Ellis and J. V. Meigs. 1,756,818; Apr. 29.
- Chemical reactions, Apparatus for. T. Griswold, jr. 1,785,080; Dec. 16.
- Chemical reactions under pressure, Carrying out. J. F. Wait. 1,746,687; Feb. 11.
- Chemical reagent. F. H. Rhodes. 1,746,676-80; Feb. 11.
- Chemical thermoscope composition. T. L. Davis. 1,777,353; Oct. 7.
- Chemical treatment of fibrous material, Apparatus for. W. W. McElrath. 1,751,165; Mar. 18.
- Chemical unit, Combustible. C. V. Pohlson. 1,743,388; Jan. 14.
- Chemical wood pulp, Purification of. J. D. Rue. 1,771,064; July 22.
- Chemically-stable article, Producing. J. K. Wirth. 1,767,421; June 24.

- Chemicals and heat from waste liquors, Apparatus for the recovery of. C. L. Wagner. 1,771,829; July 29.
- Chemicals, Feeding apparatus for. P. Dorsey. 1,777,298-9; Oct. 7.
- Chenille and making the same. L. Silverman. 1,769,970; July 8.
- Chenille fringes or other similar ornaments and products, Manufacture of. P. Rodier. 1,755,839; Apr. 22.
- Cherry dropper. W. S. Swett. 1,756,222; Apr. 29.
- Chest: *See*—
Cedar chest. Tool chest.
Fuel chest.
- Chest. F. Brzozowski. 1,761,254; June 3.
- Chest of drawers or the like. E. J. Pauli. Des. 82,623; Nov. 25.
- Chicken battery. W. H. Davis. 1,785,858; Dec. 23.
- Chicken feeder. C. Mosel. 1,759,320; May 20.
- Child's chair. W. S. Clemence. Des. 81,271; June 3.
- Child's seat. B. C. Silver. 1,750,435; Mar. 11.
- Chilling meats, Apparatus and method for. J. P. Malone. 1,780,267; Nov. 4.
- Chilling mold. J. P. Leary. 1,753,380; Apr. 8.
- Chimes. T. J. Brimer. 1,774,126; Aug. 26.
- Chimney. L. L. Blanchard. 1,751,026; Mar. 18.
- Chimney. C. W. Davis. 1,761,616; June 3.
- Chimney-cap heater. L. L. Blanchard. 1,759,830; May 27.
- Chimney cleaner. W. P. Hunecke. 1,758,950; May 20.
- Chimney cleaner. P. Kohl. 1,770,338; July 8.
- Chimney cleaner. C. F. Neuman. 1,775,969; Sept. 16.
- Chimney cleaner. C. Weigant. 1,777,815; Oct. 7.
- Chimney construction. E. O. Howle. 1,772,718; Aug. 12.
- Chimney-smoke-pipe thimble. I. O. Blankenberg. 1,778,932; Oct. 21.
- Chimney structure. R. F. Chambers. 1,755,771; Apr. 22.
- Chimney sweeper and window cleaner, Combined. B. D. Battocletti. 1,776,277; Sept. 22.
- Chimney-sweeping apparatus. D. A. Shinn. 1,770,436; July 15.
- Chimney ventilator. A. McDonald and W. O. Smith. 1,764,219; June 17.
- China closet, Corner. G. A. Simons and G. Freeberg. Des. 82,763; Dec. 9.
- China closet, Corner. G. A. Simons and G. Freeberg. Des. 82,915-16; Dec. 23.
- Chin rest. C. L. Paulus. 1,772,157; Aug. 5.
- Chin rest and muting device, Combined. C. Clark. 1,754,544; Apr. 15.
- Chin rest and shoulder pad, Combination. F. Gosparlin. 1,760,593; May 27.
- Chipping machines, Knife-holding means for. C. B. Sprague. 1,785,151; Dec. 16.
- Chiropractic bed appliance, Adjustable. L. D. Schultz. 1,778,279; Oct. 14.
- Chisel. L. R. Ruhl. 1,772,616; Aug. 12.
- Chisel for wood, Impregnator. J. R. Pfister. 1,742,726; Jan. 7.
- Chisel-retainer-lock. R. A. Norling. 1,757,093; May 6.
- Chlor compounds, Manufacture of aliphatic. C. J. Strosacker. 1,757,100; May 6.
- Chloride and making same, Powdered metallic. E. O. Barstow and S. B. Heath. 1,768,282; June 24.
- Chloride by reacting zinc oxide with chlorine, Making anhydrous zinc. C. von Girsowald and H. Neumark. 1,743,740; Jan. 14.
- Chloride, Electrolysis of ferrous. S. I. Levy. 1,752,348; Apr. 1.
- Chloride from chlorine and a magnesium base, Making magnesium. T. Griswold, jr., and R. M. Hunter. 1,756,247; Apr. 29.
- Chloride, Manufacture of anhydrous magnesium. K. Staib. 1,749,854; Mar. 11.
- Chloride of potassium and carbonates of sodium and potassium, Manufacture of. R. D. Pike, R. Cummings, and L. V. Steck. 1,770,995; July 22.
- Chlorides, Making alkyl. J. Frei. 1,784,423; Dec. 9.
- Chlorides, Manufacturing synthetic. D. Hirstel. 1,771,628; July 29.
- Chlorinated anthraquinones, Preparation of. J. Deinet. 1,761,620; June 3.
- Chlorinating apparatus. W. C. Blackmond. 1,752,723; Apr. 1.
- Chlorination. C. L. Campbell. 1,758,351; May 13.
- Chlorination products of meta nitrotoluene and making the same, Side-chain. I. Gubelmann, H. J. Weiland, and O. Stallmann. 1,761,475; June 3.
- Chlorinator. C. V. Swearingen. 1,756,105; Apr. 29.
- Chlorine and bromine from fluid mixtures, Removal of free. J. B. Payman and H. A. Piggott. 1,770,010; July 8.
- Chlorine, Fixing or recovering. E. O. Barstow. 1,781,830; Nov. 18.
- Chlorine, Manufacture of. F. S. Low. 1,746,542; Feb. 11.
- Chlorine, Process and composition for the generation of. G. J. Howitz. 1,767,676; June 24.
- Chlorine substitution products of 4-nitro-1,3-dimethylbenzene and preparing them. E. Hoffa and E. Thoma. 1,762,018; June 3.
- Chlorine-weighing apparatus. J. D. MacMahon. 1,766,788; June 24.
- Chloro-thymol, Manufacturing. F. Raschig. 1,769,648; July 1.
- Chock. E. G. Johnson. 1,757,866; May 6.
- Chock for road vehicle wheels, Collapsible. F. T. Nicholls. 1,768,265; June 24.
- Chocolate and the like, Apparatus for tempering. A. L. Bausman. 1,763,086; June 10.
- Chocolate, Cake of. A. Schuler. Des. 81,812; Aug. 12.
- Chocolate-coating apparatus. E. L. A. Savy. 1,775,475; Sept. 9.
- Chocolate in melted condition, Apparatus and method for maintaining. 1,759,964; May 27.
- Chocolate material and making same. E. B. Working. 1,781,672; Nov. 11.
- Chocolate-molding machine. E. E. Cahoon. 1,783,402; Dec. 2.
- Choker control. E. J. Russell and E. W. Goedeke. 1,769,191; July 1.
- Choker hook. W. C. Bruton. 1,752,367; Apr. 1.
- Chopper: *See*—
Cotton chopper. Meat chopper.
Food chopper. Stalk chopper.
- Chopper. H. Wenalan. 1,780,453; Nov. 4.
- Chromates, Manufacture of. O. F. Tarr. 1,752,863; Apr. 1.
- Chromates with simultaneous recovery of alumina, Production of. H. Specketer and G. Henschel. 1,760,788; May 27.
- Chromatic-playing attachment for harmonicas. W. E. Shaver. 1,780,368; Nov. 4.
- Chromium and producing the same, Ductile. J. W. Marden and M. N. Rich. 1,760,367; May 27.
- Chromium compound of azo dyes. H. Kämmerer and K. Holzach. 1,775,644; Sept. 16.
- Chromium, Electrodeposition of. C. H. Proctor. 1,749,443; Mar. 4.
- Chromium plating. J. F. K. McCullough and B. W. Gilchrist. 1,781,789; Nov. 18.
- Chromium plating. W. M. Phillips. 1,780,535; Nov. 4.
- Chromium plating. R. J. Piersol. 1,774,901; Sept. 2.
- Chronographic system. H. W. O'Neill. 1,762,791; June 10.
- Chuck. T. D. Bascom. 1,776,675; Sept. 23.
- Chuck. D. B. Bullard. 1,786,147; Dec. 23.
- Chuck. G. G. Bush. 1,772,203; Aug. 5.
- Chuck. A. L. Currier. 1,781,442; Nov. 11.
- Chuck. A. L. De Leeuw. 1,777,962; Oct. 7.
- Chuck. S. H. Earl. 1,781,721; Nov. 18.
- Chuck. A. E. Englund. 1,784,002; Dec. 9.
- Chuck. G. A. Englund. 1,773,034; Aug. 12.
- Chuck. G. E. Garbo. 1,783,420; Dec. 2.
- Chuck. E. G. Johnson. 1,748,511; Feb. 25.
- Chuck. L. W. Jones. 1,745,302; Jan. 28.
- Chuck. T. M. Lilleberg. 1,772,953; Aug. 12.
- Chuck. W. A. Morris. 1,773,005; Aug. 12.
- Chuck, Air. J. C. Crowley. 1,784,822; Dec. 16.
- Chuck and brake mechanism, Combined. F. R. Long. 1,758,844; May 13.
- Chuck arrangement. D. L. Swendsén. 1,771,738; July 29.
- Chuck, Automatic. E. W. Prigan. 1,750,023; Mar. 11.
- Chuck, Collapsible. E. G. Templeton. 1,743,066; Jan. 7.
- Chuck, Collapsible wheel. J. A. Burkart. 1,746,415; Feb. 11.
- Chuck device. G. W. Emrick. 1,764,290; June 17.
- Chuck device. G. W. Emrick. 1,775,992-3; Sept. 16.
- Chuck, Differential. J. C. Regan. 1,784,908; Dec. 16.
- Chuck, Feed. F. E. Green. 1,783,039; Nov. 25.
- Chuck for lathes, Reversible. C. F. Wetmore. 1,783,989; Dec. 9.
- Chuck for spooling or reeling machines. H. S. Busey. 1,785,248; Dec. 16.
- Chuck for torsional stresses. F. A. Augenthaler. 1,783,870; Dec. 2.
- Chuck in machine tools. W. F. Groene. 1,748,672; Feb. 25.
- Chuck, Magnetic. J. M. Weydell. 1,754,587; Apr. 15.
- Chuck, Power-operated. C. P. Harrison. 1,775,592; Sept. 9.
- Chuck, Scroll. J. C. Regan. 1,772,267; Aug. 5.
- Chuck, Self-centering. P. Aville. 1,747,657; Feb. 18.
- Chuck, Self-gripping. L. E. Godfriaux. 1,770,515; July 15.
- Chuck structure. A. H. Katterjohn. 1,748,021; Feb. 18.
- Chuck structure. W. H. Rover. 1,760,565; May 27.
- Chuck, Tapping. E. K. Morgan. 1,763,717; June 17.
- Chuck, Work. W. N. Booth. 1,757,970; May 6.
- Churn. C. E. Cole. 1,755,813; Apr. 22.
- Churn. G. D. Wiggins. 1,768,387; June 24.
- Churn. T. E. Williamson. 1,755,343; Apr. 22.
- Churn drive. A. C. Hougland and A. B. Carlson. 1,774,327; Aug. 26.
- Chute and deflector, Discharge. J. Daniel. 1,759,807; May 20.
- Chute, Coal. H. F. Gormsen. 1,776,757; Sept. 23.
- Chute, Coal filling. H. Adams. 1,779,412; Oct. 28.
- Chute, Differential helical. R. F. Wood and E. A. Heckler. 1,750,081; Mar. 11.
- Chute for automobile trucks, Animal. H. W. Tool. 1,782,554; Nov. 25.
- Chute for coaling stations. B. S. Snow. 1,744,015; Jan. 14.
- Chute for concrete mixers, Discharge. S. Shafer, jr. 1,766,552; June 24.
- Chute for delivery wagons, Coal. C. W. Warnecke. 1,758,208; May 13.
- Chute, Garbage. J. Helgesen. 1,767,885; June 24.
- Chute lock, Coal. M. Cheverie and W. H. Etheridge. 1,769,875; July 1.
- Chute, Mail. R. M. Hulett. 1,781,282; Nov. 11.
- Chute, Mail. M. Katz. 1,785,867; Dec. 23.

- Chute, Mail. H. M. Kennedy. 1,769,346; July 1.
 Chute, Movable glass-delivery. R. W. Canfield. 1,766,979; June 24.
 Chute, Nonsegregating. R. Gardner. 1,768,247; June 24.
 Chute, Refuse. S. Olson. 1,766,141; June 24.
 Chute, Ship-loading. A. Payne. 1,766,681; June 24.
 Cigar. A. I. Eyster. 1,761,713; June 3.
 Cigar-banding machine. H. H. Wheeler. 1,765,811; June 24.
 Cigar box, Wooden. H. Lelman. 1,752,601; Apr. 1.
 Cigar-bunch manipulator. J. F. Halstead. 1,765,831; June 24.
 Cigar-bunching machine. T. A. Horton. 1,776,856; Sept. 30.
 Cigar case. S. Tomonaga. 1,781,089; Nov. 11.
 Cigar cutter. T. Zullo. 1,757,607; May 6.
 Cigar-enveloping machines, Banding attachment for. H. H. Wheeler. 1,760,615; May 27.
 Cigar machine. G. H. Snyder. 1,785,822; Dec. 23.
 Cigar machines, Bunch transfer for. J. F. Halstead. 1,786,608-9; Dec. 30.
 Cigar-making machine. R. C. J. A. Ohmsen. 1,782,627; Nov. 25.
 Cigar or cigarette extinguisher. F. M. Van Gelderen. 1,759,925; May 27.
 Cigar or cigarette extinguisher. F. Vogelsang. 1,764,862; June 17.
 Cigar punch. R. Caiazzo. Des. 82,134; Sept. 30.
 Cigar stand, Collapsible. S. Phillips. 1,754,766; Apr. 15.
 Cigar tip and making same. B. I. Horwitz. 1,772,351; Aug. 5.
 Cigar-transferring machine. H. H. Wheeler. 1,756,843; Apr. 29.
 Cigars and the product thereof, Making. J. L. Brown. 1,743,014; Jan. 7.
 Cigars, Ventilating and preserving. W. T. Burns. 1,778,482; Oct. 14.
 Cigarette. A. B. Crosthwait. 1,744,615; Jan. 21.
 Cigarette. H. H. Honigbaum. 1,772,809; Aug. 12.
 Cigarette. O. V. Kean. 1,770,616; July 15.
 Cigarette and cigar extinguisher. W. T. Herrick. 1,744,763; Jan. 28.
 Cigarette and match box, Combination. E. Derwish. 1,787,361; Dec. 30.
 Cigarette box. H. C. Stoll. 1,743,498-9; Jan. 14.
 Cigarette case. R. Berger. 1,746,023; Feb. 4.
 Cigarette case. C. Cordani. 1,746,030; Feb. 4.
 Cigarette case. E. B. Hough. 1,759,576-7; May 20.
 Cigarette case. H. O. Jordan. 1,751,921; Mar. 25.
 Cigarette case. A. L. Kondysar. 1,756,900; Apr. 29.
 Cigarette case and lighter, Combined. H. L. Goodnow. 1,761,985; June 3.
 Cigarette case, lighter, and ash tray, Combination. D. S. Beyer. 1,782,026; Nov. 18.
 Cigarette container and pyrophoric lighter, Combined. L. V. Aronson. Des. 81,823; Aug. 19.
 Cigarette dispenser and ash tray or similar article, Combined. M. Salinger. Des. 82,110; Sept. 23.
 Cigarette dispenser or similar article. M. Shenkin. Des. 82,183; Sept. 30.
 Cigarette-dispensing machine. C. K. Stamas. 1,746,501; Feb. 11.
 Cigarette extinguisher. W. P. Giberson. 1,778,998; Oct. 21.
 Cigarette extinguisher. D. J. Nee. 1,767,092; June 24.
 Cigarette extinguisher and residue receptacle, Combined. F. Weinberg. 1,780,258; Nov. 4.
 Cigarette extinguishing and crushing device. C. Ducas. 1,750,164; Mar. 11.
 Cigarette-machine feed. C. J. Fuse. 1,765,830; June 24.
 Cigarette machinery. W. E. Molins. 1,758,800; May 13.
 Cigarette machinery. W. E. Molins. 1,777,048; Sept. 30.
 Cigarette making device. G. Newman. 1,771,308; July 22.
 Cigarette-making machine. M. Alland. 1,751,121; Mar. 18.
 Cigarette-making machine. M. P. E. Hohn. 1,759,747; May 20.
 Cigarette-making machine. M. P. E. Hohn. 1,784,443; Dec. 9.
 Cigarette-making machine. W. E. Molins. 1,757,380; May 6.
 Cigarette-making machine. W. E. Molins. 1,783,093; Nov. 25.
 Cigarette-making machines, Controlling the feed of cigarette tobacco in. W. F. Grupe. 1,772,715; Aug. 12.
 Cigarette-making machines, Spreading cut tobacco in. H. Schünemann. 1,755,080; Apr. 15.
 Cigarette-making machinery. W. E. Molins. 1,781,239-40; Nov. 11.
 Cigarette-making machinery. F. F. Ruau. 1,782,180; Nov. 18.
 Cigarette mouthpiece. J. W. Gibson. 1,761,205; June 3.
 Cigarette package. C. A. Penn. 1,759,366; May 20.
 Cigarette package. J. H. Van Sickels. 1,754,730; Apr. 15.
 Cigarette - packing machine. G. Meyer - Jagenberg. 1,750,018; Mar. 11.
 Cigarette paper, Means for counter rolling a. M. P. E. Hohn. 1,752,340; Apr. 1.
 Cigarette-rod machines, Sharpening-roller arrangement for the revolving sickle knives in. M. P. E. Hohn. 1,752,341; Apr. 1.
 Cigarette, Sanitary. M. Poeck. 1,784,386; Dec. 9.
 Cigarette, Self-lighting. H. and J. W. Leon. 1,763,531; June 10.
 Cigarette snuffer. F. Weinberg. 1,757,279; May 6.
 Cigarettes and like articles, Packing. W. E. Molins. 1,784,701; Dec. 9.
 Cigarettes, Apparatus for collecting and superposing groups of. R. W. Voigt. 1,764,664; June 17.
 Cigarettes, cigarillos, or similar-shaped articles bearing an imprint, Device for packing. P. Gottschalk. 1,747,237; Feb. 18.
 Cigarettes, cigars, and pipe cartridges, Improving. N. M. Hopkins. 1,749,582; Mar. 4.
 Cigarettes or like articles, Apparatus for feeding. A. G. Rose. 1,769,650; July 1.
 Cigarettes, Process and device for improving. V. Lorentz. 1,784,296; Dec. 9.
 Cigarettes, Transferring groups of oval. R. W. Voigt. 1,767,824; June 24.
 Cigarettes, Turning. P. Gottschalk. 1,777,361; Oct. 7.
 Cinder-block machine. V. Dahl. 1,749,375; Mar. 4.
 Cinder plant. C. P. Ross. 1,775,970; Sept. 16.
 Cinema apparatus. E. S. Rinaldy. 1,759,630; May 20.
 Cinema or analogous projecting apparatus. F. Seufert. 1,756,440; Apr. 29.
 Cinematograph and other projection apparatus, Lantern body for. W. E. McCormack. 1,758,290; May 13.
 Cinematograph, Pocket. P. Hauser and E. Probst. 1,774,097; Aug. 26.
 Cinematograph, Projection apparatus. J. S. Nairn. 1,750,020; Mar. 11.
 Cinematograph projection apparatus. J. E. Thornton. 1,760,219; May 27.
 Cinematograph projections, Making. E. H. V. Noaillon. 1,772,782; Aug. 12.
 Cinematograph spool case. J. E. Thornton. 1,760,220; May 27.
 Cinematographic apparatus. R. Mendoza. 1,745,107; Jan. 28.
 Cinematographic apparatus. E. Oehmichen. 1,770,659; July 15.
 Cinematographic machine. A. Gentilini. 1,749,026; Mar. 4.
 Cinematographic performance and sound production, Method and device of synchronizing. J. J. F. Stock. 1,786,368; Dec. 23.
 Cinematographic projecting apparatus. J. T. Doyle. 1,773,524; Aug. 19.
 Cinematographic projectors, Framing mechanism for. A. Dina. 1,746,385; Feb. 11.
 Cinematographic titles, headlines, announcements, and the like, Producing. J. J. F. Stock and P. Effing. 1,749,961; Mar. 11.
 Cinematographic view-taking apparatus. A. L. V. C. Debrie. 1,743,027; Jan. 7.
 Cinematographs, Color-projection apparatus for. R. Killick. 1,754,323; Apr. 15.
 Cipher-writing machine, Electric. P. Bernstein. 1,777,425; Oct. 7.
 Circle cutter. A. J. Lawrence. 1,765,799; June 24.
 Circuit, Amplifier. L. M. Hull. 1,764,565; June 17.
 Circuit arrangement, Electrical delay. E. W. Niles and W. H. Edwards. 1,756,097; Apr. 29.
 Circuit arrangement for the measurement of the light emitted by and the watts or current consumed by incandescent lamps. E. D. Doyle. 1,762,769; June 10.
 Circuit arrangement, Neutrodyne. N. Koomans. 1,757,910; May 6.
 Circuit, Attenuation equalizing. C. W. Green. 1,768,248; June 24.
 Circuit, Automatic stroke-corrector. A. J. Finn and P. L. Myer. 1,749,738; Mar. 4.
 Circuit breaker. C. E. Anderson and W. H. Keefe, jr. 1,763,384; June 10.
 Circuit breaker. A. H. Bakken. 1,744,200; Jan. 21.
 Circuit breaker. C. D. Burrows. 1,768,885; July 1.
 Circuit breaker. A. Corbett. 1,750,298; Mar. 11.
 Circuit breaker. S. S. Grady. 1,767,843; June 24.
 Circuit breaker. R. Logstädt. 1,779,848; Oct. 28.
 Circuit breaker. H. Milliken. 1,756,374; Apr. 29.
 Circuit breaker. E. D. Moore. 1,756,656; Apr. 29.
 Circuit breaker. E. D. Moore. 1,771,548; July 29.
 Circuit breaker. F. W. Roller. 1,767,479; June 24.
 Circuit breaker. J. Slepian. 1,784,760; Dec. 9.
 Circuit breaker. G. Speiser. 1,763,197; June 10.
 Circuit breaker. R. C. Van Sickle. 1,763,202; June 10.
 Circuit breaker. F. G. Von Hoorn. 1,786,796-8; Dec. 30.
 Circuit breaker. R. J. Wensley. 1,744,188; Jan. 21.
 Circuit breaker, Alternating-current. H. F. McBride. 1,767,855; June 24.
 Circuit breaker and similar switch apparatus for electric power current lines. O. Jacobson and A. O. Gylling. 1,770,780; July 15.
 Circuit breaker, Automatic. J. F. Gibson. 1,777,665; Oct. 7.
 Circuit breaker, Automatic. W. Leyhausen. 1,750,895; Mar. 18.
 Circuit breaker, Automatic electric. H. Pêcheur. 1,779,888; Oct. 28.
 Circuit breaker, Automatic reclosing. N. J. Frost and R. S. Seese. 1,773,356; Aug. 19.
 Circuit breaker, Automatic reclosing. E. W. Seeger. 1,769,168; July 1.
 Circuit breaker, Extra-rapid. P. J. Branchu. 1,763,502; June 10.
 Circuit breaker for ignition installations of internal-combustion engines. H. Burkas. 1,783,495; Dec. 2.

- Circuit breaker, Gravity-actuated. L. C. Kimsey. 1,751,005; Mar. 18.
- Circuit - breaker - operating mechanism. C. Aalborg. 1,756,930; May 6.
- Circuit breaker, Self-soldering. R. H. Maple. 1,777,888; Oct. 7.
- Circuit-breaker system, Automatic reclosing-. A. E. Anderson. 1,745,139; Jan. 28.
- Circuit-breaker system, Automatic reclosing. A. E. Anderson. 1,749,688; Mar. 4.
- Circuit-breaker system, Automatic reclosing. A. E. Anderson. 1,784,651; Dec. 9.
- Circuit-breaker system, Automatic reclosing. E. F. Bliss. 1,768,393; June 24.
- Circuit-breaker system, Automatic reclosing. W. C. White. 1,747,096; Feb. 11.
- Circuit-breaker system, Periodic-reclosing. R. J. Wensley. 1,786,324; Dec. 23.
- Circuit breaker, Thermally-operated. L. A. M. Phelan and C. Hotchkiss. 1,764,346; June 17.
- Circuit breakers, Operating mechanism for. D. Rönnerberg and A. Rooth. 1,771,421; July 29.
- Circuit breakers, Reclosing mechanism for. A. L. Hosner. 1,762,298; June 10.
- Circuit breakers, Reclosing mechanism for. H. L. Sampson. 1,751,059; Mar. 18.
- Circuit-breaking device. C. A. Martin. 1,780,202; Nov. 4.
- Circuit closer. W. Bonsor. 1,765,752; June 24.
- Circuit closer. W. H. Grover, W. S. Pooley, and C. E. Merritt. 1,786,391; Dec. 23.
- Circuit closer. W. J. Mulligan. 1,750,811; Mar. 18.
- Circuit closer. W. Sparks and L. E. Johnson. 1,753,029; Apr. 1.
- Circuit closer. H. D. Waltrip and R. M. Horton. 1,750,738; Mar. 18.
- Circuit closer for right and left turn signals. A. M. Hudson and C. H. Twetten. 1,774,375; Aug. 26.
- Circuit closer for stop mechanism of knitting machines and the like. J. Wachsmann. 1,778,097; Oct. 14.
- Circuit closer, Prison bar and alarm system. W. M. Barton. 1,787,350; Dec. 30.
- Circuit closer to indicate turns of a vehicle. A. Maršik. 1,768,208; June 24.
- Circuit closure. M. G. Ivandick. 1,769,517; July 1.
- Circuit-continuing device. H. A. Douglas. 1,742,850; Jan. 7.
- Circuit-continuing device. H. A. Douglas. 1,761,436-7; June 3.
- Circuit-continuing device. H. A. Douglas. 1,775,024; Sept. 2.
- Circuit-continuing device. H. A. Douglas. 1,778,186; Oct. 14.
- Circuit-control apparatus, Electric-. J. E. Long. 1,750,615; Mar. 11.
- Circuit control, Combination manual and automatic. H. K. Burdick. 1,745,735; Feb. 4.
- Circuit-control device, Variable electric-. E. A. Terpening. 1,744,592; Jan. 21.
- Circuit control, Electric. I. C. Hanson. 1,785,773; Dec. 23.
- Circuit control, Electric-. W. W. Williams. 1,763,575; June 10.
- Circuit-control means, Electric. A. J. May. 1,748,298; Feb. 25.
- Circuit-control means, Electric-. A. J. May. 1,763,245; June 10.
- Circuit-control mechanism, Ignition-. E. F. Fiedler. 1,762,970; June 10.
- Circuit-control system, Electric- W. G. Leamon. 1,747,252; Feb. 18.
- Circuit-control system, Electric-power. F. M. Anderson. 1,783,067; Nov. 25.
- Circuit controller. F. E. Case. 1,760,814; May 27.
- Circuit controller. A. J. Kercher. 1,754,561; Apr. 15.
- Circuit controller. L. E. Nordholm. 1,762,789; June 10.
- Circuit controller. J. J. Ruddick. 1,752,812; Apr. 1.
- Circuit controller. H. C. Silent. 1,749,851; Mar. 11.
- Circuit controller. W. C. Stevens and C. T. Evans. 1,744,247; Jan. 21.
- Circuit controller. H. B. Taylor. 1,785,705; Dec. 16.
- Circuit controller, Electric-. J. J. Flanagan. 1,766,494; June 24.
- Circuit controller, Fluid-operated. W. C. Buckbee. 1,759,537; May 20.
- Circuit controller for mechanical interlocking machines. W. F. Bossert and W. R. Burke. 1,762,141; June 10.
- Circuit controller, Retarded-action. J. R. Fry and R. E. Hantzsch. 1,746,827; Feb. 11.
- Circuit controller, Submerged. G. B. Sayre. 1,744,508; Jan. 21.
- Circuit-controlling apparatus. J. M. Andersen. 1,746,234; Feb. 11.
- Circuit-controlling apparatus. K. T. Bainbridge. 1,747,044; Feb. 11.
- Circuit-controlling apparatus. E. W. Seeger. 1,745,510; Feb. 4.
- Circuit-controlling apparatus, Indicating. J. A. Thommes. 1,762,491; June 10.
- Circuit-controlling apparatus, Electric. H. Panzetta. 1,779,829; Oct. 21.
- Circuit-controlling apparatus, Thermostatic. B. Cyr. 1,768,892; July 1.
- Circuit - controlling appliance, Electric. J. Sachs. 1,754,440-6; Apr. 15.
- Circuit-controlling appliance, Electric-. J. Sachs. 1,755,366-9; Apr. 22.
- Circuit - controlling appliance, Electric-. J. Sachs. 1,757,741-2; May 6.
- Circuit-controlling device. L. L. Cunningham. 1,763,094; June 10.
- Circuit-controlling device. M. Hasegawa. 1,766,993; June 24.
- Circuit-controlling device. M. H. Shoenberg and L. Schon. 1,755,564; Apr. 22.
- Circuit-controlling device. G. R. Townsend. 1,787,292; Dec. 30.
- Circuit-controlling device, Automatic electric-. T. L. M. Millar. 1,749,775; Mar. 11.
- Circuit-controlling device, Electrical. W. C. Roe. 1,742,876; Jan. 7.
- Circuit-controlling device for steam generators. A. Shapiro. 1,770,255; July 8.
- Circuit-controlling means. F. S. Denison. 1,768,949; July 1.
- Circuit-controlling mechanism. K. Davies. 1,755,431; Apr. 22.
- Circuit-controlling mechanism. G. H. Koch. 1,757,637; May 6.
- Circuit-controlling mechanism, Time-governed. W. C. McWhirter and J. E. Speer. 1,743,153; Jan. 14.
- Circuit-controlling system. A. J. A. Peterson. 1,765,499; June 24.
- Circuit, Detector-tube. R. L. Chiles. 1,782,500; Nov. 25.
- Circuit, Electrical. F. S. Jones. 1,752,639; Apr. 1.
- Circuit, Electrical amplifier. F. H. Drake. 1,764,552; June 17.
- Circuit, Electron-tube. L. A. Gebhard. 1,766,038; June 24.
- Circuit, Electron-tube. L. M. Hull. 1,764,206; June 17.
- Circuit element for radio receiving sets, Variable-. F. K. Vreeland. 1,749,930; Mar. 11.
- Circuit for coupled cars, Deenergizing. C. H. Tomlinson. 1,761,419; June 3.
- Circuit for transmission systems, Control. D. F. Whiting. 1,778,779; Oct. 21.
- Circuit for use with compounding, High-power factor. H. D. Brown. 1,776,722; Sept. 23.
- Circuit for X-ray multiple-tube stands. J. B. Wantz. 1,765,641; June 24.
- Circuit, Grid-leak cell. C. F. Jenkins. Re17,766; Aug. 12.
- Circuit interrupter. G. A. Burnham. 1,783,279; Dec. 2.
- Circuit interrupter. W. A. Chryst. 1,785,887; Dec. 23.
- Circuit interrupter. D. C. Garroway. 1,768,951-2; July 1.
- Circuit interrupter. O. H. Eschholz. 1,751,233; Mar. 18.
- Circuit interrupter. J. B. MacNeill. 1,757,643; May 6.
- Circuit interrupter. J. B. MacNeill. 1,757,915; May 6.
- Circuit interrupter. W. E. Paul. 1,745,187; Jan. 28.
- Circuit interrupter. O. C. Traver. 1,742,565; Jan. 7.
- Circuit interrupter. R. C. Van Sickle. 1,764,369; June 17.
- Circuit-interrupting device. J. W. Owens. 1,780,684; Nov. 4.
- Circuit-interrupting mechanism. A. T. Twiss. 1,753,956; Apr. 8.
- Circuit, Loaded cable. A. Ebeling. 1,762,964; June 10.
- Circuit, Magnetic modulator. E. Peterson. 1,784,879; Dec. 16.
- Circuit maker and breaker. W. N. Clurman. 1,752,149; Mar. 25.
- Circuit maker and breaker. H. A. Douglas. 1,743,330; Jan. 14.
- Circuit maker and breaker. H. D. Groh. 1,750,517; Mar. 11.
- Circuit maker and breaker, Retarded. W. R. Walker. 1,778,439; Oct. 14.
- Circuit maker for electric ovens, Periodic. C. Wilhjelm. 1,767,636; June 24.
- Circuit maker for shoes, Electrical. S. M. Kalikow. 1,771,258; July 22.
- Circuit, Modulation. W. Schaffer. 1,760,285; May 27.
- Circuit, Negative impedance. R. C. Mathes. 1,779,382; Oct. 21.
- Circuit, Phantom carrier. H. S. Black. 1,762,754; June 10.
- Circuit-protecting device. H. R. Loubet. 1,774,933; Sept. 2.
- Circuit-protecting system. W. E. Hoyler. 1,748,177; Feb. 25.
- Circuit protection. J. Biermanns. 1,783,105; Nov. 25.
- Circuit protector, Generator-. E. R. Hopkins. 1,762,297; June 10.
- Circuit, Receiving. S. E. Anderson. 1,745,347; Feb. 4.
- Circuit, Receiving. E. T. Flewelling, jr. 1,767,751; June 24.
- Circuit, Receiving. S. S. Jones. 1,772,607; Aug. 12.
- Circuit, Receiving. L. D. Kellogg. 1,759,853; May 27.
- Circuit, Receiving. E. F. Potter. 1,746,443; Feb. 11.
- Circuit, Rectifier. D. G. Ackerly. 1,766,051; June 24.
- Circuit, Rectifier. C. C. Bradbury. 1,745,841; Feb. 4.
- Circuit, Rectifier. L. J. Buttolph. 1,778,416; Oct. 14.
- Circuit regulator, Railway signaling track-. S. M. Lucas. 1,750,233; Mar. 11.
- Circuit regulator, Railroad signaling track-. S. M. Lucas. 1,776,684; Sept. 23.
- Circuit, Rotary line-switch. H. D. Sharpe. 1,757,224; May 6.
- Circuit, Signaling. E. W. Niles. 1,758,056; May 13.
- Circuit switch. L. A. Gary. 1,784,898; Dec. 16.

- Circuit switch, Pressure-operated multiple. J. Macke and H. Schmitz. 1,774,801; Sept. 2.
- Circuit, Telegraph alarm. F. J. Singer. 1,757,225; May 6.
- Circuit, Telephone trunk. H. B. Johnson. 1,751,207; Mar. 18.
- Circuit, Timing. W. A. Knoop. 1,753,345; Apr. 8.
- Circuit, Toll. L. L. Glezen, M. J. Stigers, and E. R. Taylor. 1,750,666; Mar. 18.
- Circuit, Transmission frequency-delay-measuring. D. Mitchell. 1,784,194; Dec. 9.
- Circuit tuning device, Electric. W. A. Ready. 1,756,570; Apr. 29.
- Circuit, Wave-transmission. H. Whittle and D. G. Grimley. 1,759,332; May 20.
- Circuit wiring for windshields and the like. J. A. Johnson. 1,758,704; May 13.
- Circuits, Amplifying. V. D. Landon. 1,743,148; Jan. 14.
- Circuits and apparatus, Electromagnetic. W. Fondiller. 1,757,710; May 6.
- Circuits, Apparatus for thermostatic control of electric. E. F. Holinger. 1,762,174; June 10.
- Circuits, Arrangement and method adapted to control high-frequency. M. Osnos. 1,775,210; Sept. 9.
- Circuits, Balancing electric. C. W. McKibben. 1,757,971; May 13.
- Circuits, Carrier telegraph. R. H. Clapp. 1,773,092; Aug. 19.
- Circuits, Connector switch. H. Hovland. 1,747,169; Feb. 18.
- Circuits, Control system for oscillation. G. Messtorff. 1,749,295; Mar. 4.
- Circuits, Coupling. H. R. Butler. 1,755,865; Apr. 22.
- Circuits, Electric coupling. H. Whittle. 1,752,046; Mar. 25.
- Circuits, Electrical amplifier. S. Y. White. 1,780,611; Nov. 4.
- Circuits, Electrical detector-amplifier. S. Y. White. 1,765,473; June 24.
- Circuits, Electrical selecting. F. Favarger. 1,755,212; Apr. 22.
- Circuits, Electron-tube. M. von Ardenne and H. Heinert. 1,784,857; Dec. 16.
- Circuits for luminous tubes, Starting and operating. R. R. Machlett. 1,757,776; May 6.
- Circuits for planers, Electric. R. C. Deale. 1,759,547; May 20.
- Circuits for space-discharge systems, Alarm. M. E. Fultz and H. R. Knettles. 1,742,906; Jan. 7.
- Circuits for thermionic tubes. F. S. McCullough. 1,759,910; May 27.
- Circuits, Impedance variation compensator. M. M. Dolmage. 1,756,816; Apr. 29.
- Circuits, Locating faults on messenger-call. G. W. Janson. 1,754,628; Apr. 15.
- Circuits, Negative impedance. H. W. Dudley. 1,779,380; Oct. 21.
- Circuits, Negative resistance. F. H. Graham. 1,779,126; Oct. 21.
- Circuits, Oscillatory. A. Melssner. 1,751,592; Mar. 25.
- Circuits, Pothead device for use on electrical. P. F. Williams. 1,781,671; Nov. 11.
- Circuits, Protecting high-tension. M. L. Sindeband and P. Sporn. 1,770,949; July 22.
- Circuits, Protection of electric. H. S. Petch. 1,776,130; Sept. 16.
- Circuits, Protective arrangement for sectionalized electric power. E. W. M. Scott, and B. H. Leeson. 1,765,887; June 24.
- Circuits, Railroad control. H. B. Rudd. 1,776,337; Sept. 23.
- Circuits, Receiving. H. D. Currier. 1,778,311; Oct. 14.
- Circuits, Relay. C. I. Hall. 1,751,328; Mar. 18.
- Circuits, Thermionic valve. P. W. Willans. 1,768,182; June 24.
- Circuits, Transmission. H. Whittle. 1,767,951; June 24.
- Circuits, Vacuum-tube. E. J. H. Bussard. 1,767,508; June 24.
- Circuits, Vacuum-tube. V. M. Cousins. 1,767,904; June 24.
- Circuits, Vacuum-tube. R. L. Davis and D. G. Little. 1,751,232; Mar. 18.
- Circuits, Vacuum-tube. E. E. Turner, jr. 1,775,073; Sept. 2.
- Circuits, Voice-controlled. A. Carpe. 1,784,178; Dec. 9.
- Circulating apparatus. J. T. Janette. 1,765,490; June 24.
- Circulating apparatus for wood-pulp digesters. A. G. Natwick. 1,784,197; Dec. 9.
- Circulating tube. J. F. Arthur. Re17,866; Nov. 11.
- Circulation regulator for heating systems. E. M. Gurney. 1,782,873; Nov. 25.
- Circulation system for pulp digesters. E. Morterud. 1,779,283; Oct. 21.
- Circulator for boiler furnaces and the like. J. H. Summer, Jr., and L. C. Pindar. 1,769,194; July 1.
- Cistern agitator and purifier. G. S. Brown. 1,764,545; June 17.
- Cistern for liquids, Automatic. O. Graetzer. 1,752,986; Apr. 1.
- Cistern-water indicator, Tender. J. H. Becker. 1,779,353; Oct. 21.
- Citrus product, Lactic. N. D. Nielsen. 1,759,706; May 20.
- Citrus-production device. V. L. Gibson. 1,758,941; May 20.
- Clam-catching implement. H. O. Anderson. 1,782,497; Nov. 25.
- Clam-digger fork. J. O'Rourke. 1,763,176; June 10.
- Clam tongs. C. H. Munkelwitz. 1,763,437; June 10.
- Clamp: See—
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| Adjustable clamp. | Meat clamp. |
| Anchor-rod clamp. | Mold-form clamp. |
| Arm clamp. | Mounting clamp. |
| Attachment clamp. | Neckband clamp. |
| Auto case clamp. | No-baste clamp. |
| Batten clamp. | Pipe clamp. |
| Battery clamp. | Plate clamp. |
| Bedding clamp. | Rail-block clamp. |
| Bumper clamp. | Rail clamp. |
| Cabinetmaker's clamp. | Rod clamp. |
| Cable clamp. | Rope clamp. |
| Car-dumper clamp. | Safety clamp. |
| Carpenter's clamp. | Screw clamp. |
| Cloth clamp. | Service clamp. |
| Column clamp. | Skate clamp. |
| Conductor clamp. | Sliding clamp. |
| Corner clamp. | Speedometer-drive clamp. |
| Fabric-tensioning clamp. | Strain clamp. |
| False-work clamp. | Strap clamp. |
| Fence clamp. | Suspension clamp. |
| Form clamp. | Tail clamp. |
| Four-way blocking clamp. | Terminal clamp. |
| Galley clamp. | Timber clamp. |
| Gluing clamp. | Tool or work clamp. |
| Guy clamp. | Tooth clamp. |
| Hair clamp. | Trolley suspension clamp. |
| Heel clamp. | Utensil clamp. |
| Hood clamp. | Vanity-case-accessory clamp. |
| Hose and pipe clamp. | Vessel clamp. |
| Hose clamp. | Vulva clamp. |
| Hose or pipe clamp. | Wire clamp. |
| I-beam clamp. | |
| Line clamp. | |
- Clamp. E. H. Allen. 1,764,380; June 17.
- Clamp. C. E. Anderson. 1,744,197; Jan. 21.
- Clamp. J. Berezowski. 1,781,997; Nov. 18.
- Clamp. A. Clarke. 1,751,620; Mar. 25.
- Clamp. G. G. Fenhouse. 1,767,280; June 24.
- Clamp. R. E. Hanke. 1,774,267; Aug. 26.
- Clamp. H. T. Hart. 1,748,602; Feb. 25.
- Clamp. J. W. Keffer. 1,765,235; June 17.
- Clamp. O. M. Kirilin. 1,743,922; Jan. 14.
- Clamp. S. Kokay. 1,749,491; Mar. 4.
- Clamp. M. C. Morris. 1,753,057; Apr. 1.
- Clamp. A. L. Nelson. 1,755,454; Apr. 22.
- Clamp. J. J. Russell. 1,784,544; Dec. 9.
- Clamp. A. E. and L. Shlager and B. M. Groisser. 1,764,697; June 17.
- Clamp. A. D. Turner. 1,765,113; June 17.
- Clamp. C. E. Wolfstyn. 1,770,763; July 15.
- Clamp and making the same. J. W. Harding. 1,782,266; Nov. 18.
- Clamp and making the same, Battery-terminal. J. A. Sall. 1,762,529; June 10.
- Clamp and release for tubular benders, Automatic air. H. E. Harvey and E. K. Holmes. 1,775,761; Sept. 16.
- Clamp and shoulder support, Ingot-feeder. A. L. Schwab. 1,755,669; Apr. 22.
- Clamp-connecting device, Bushing. E. M. Rosenfield. 1,760,663; May 27.
- Clamp for adjustable shores. G. B. Bosco. 1,778,350; Oct. 14.
- Clamp for an outlet box, Conduit. H. R. Cook. 1,783,356; Dec. 2.
- Clamp for automobile bumpers. W. G. Pancoast. 1,754,964; Apr. 15.
- Clamp for crossbars. M. M. Clayton. 1,786,004; Dec. 23.
- Clamp for examination devices. C. T. Brady. 1,783,278; Dec. 2.
- Clamp for inner tubes, Skiving. J. C. Warden. 1,769,728; July 1.
- Clamp for molding machines. W. Lewis. 1,746,219; Feb. 4.
- Clamp for outlet boxes, Universal. H. R. Cook. 1,783,408; Dec. 2.
- Clamp for securing an extra sole to footwear, Removable spring. A. H. Hoyer. 1,779,671; Oct. 28.
- Clamp for planers, Knee. L. H. Mesker and J. Jenne. 1,771,857; July 29.
- Clamp for positioning metallic curb edgings. C. S. Hempstead. 1,756,514; Apr. 29.
- Clamp for pressing machines, Neckband. R. C. Pauly. 1,763,536; June 10.
- Clamp for seat construction. C. E. Stevens. 1,768,427; June 24.
- Clamp for seating brake linings. A. H. Wadell. 1,781,355; Nov. 11.
- Clamp for slicing machines, Meat. E. G. Streckfuss. 1,748,685; Feb. 25.
- Clamp for traveling bridges, Rail. B. H. Kersting. 1,764,797; June 17.
- Clamp for trimming machines, Plate. J. H. Ebel. 1,745,361; Feb. 4.
- Clamp for trolley conductors. P. G. Swars and H. N. Richards. 1,745,876; Feb. 4.
- Clamp machine. S. J. Gardner. 1,782,846; Nov. 25.
- Clamp or holder, Clothesline. H. C. Zieburz. 1,751,850; Mar. 25.
- Clamp plate. E. W. Riemenschneider. 1,742,450; Jan. 7.

- Clamp to be used in connection with embossing machines. F. Williams. 1,785,851; Dec. 23.
- Clamping and bushing device, Combined conduit. H. R. Cook. 1,783,409; Dec. 2.
- Clamping apparatus, Concrete-form-. S. S. Colt. 1,773,390; Aug. 19.
- Clamping apparatus for shoe heels. A. F. Koeppe. 1,781,690; Nov. 18.
- Clamping collar. V. A. de Vulitch. 1,786,107; Dec. 23.
- Clamping device. W. K. Andrew. 1,770,058; July 8.
- Clamping device. E. L. Bauer. 1,762,323; June 10.
- Clamping device. H. W. Bowly and W. W. McWilliams. 1,782,404; Nov. 25.
- Clamping device. J. B. Crapo. 1,766,488; June 24.
- Clamping device. P. Q. Fickert. 1,747,623; Feb. 18.
- Clamping device. C. H. Hiser. 1,762,578; June 10.
- Clamping device. H. L. Myers. 1,757,679; May 6.
- Clamping device. J. A. O'Neil. 1,778,642; Oct. 14.
- Clamping device. H. W. Orndoff. 1,745,444; Feb. 4.
- Clamping device. F. Oudin and B. H. Skinner. 1,782,438-40; Nov. 25.
- Clamping device. B. M. A. Trebes. 1,749,006; Mar. 4.
- Clamping device. F. L. Welt. 1,749,652; Mar. 4.
- Clamping device for covers of cooking vessels. A. C. Kocher. 1,769,696; July 1.
- Clamping device for files, newspaper holders, and the like. F. Pohl and M. Vogel. 1,765,880; June 24.
- Clamping device for sealed containers. F. B. Hawes. 1,771,175; July 22.
- Clamping device for web-cutting machines. H. W. Orndoff. 1,745,442; Feb. 4.
- Clamping drill fixture. O. H. Siewek. 1,772,115; Aug. 5.
- Clamping element for vises and similar articles. P. H. D. Walker. 1,778,576; Oct. 14.
- Clamping machine for snap fasteners. P. R. Vitte. 1,784,034; Dec. 9.
- Clamping means. E. E. von Tell. 1,782,979; Nov. 25.
- Clamping means for mounting printing plates. H. Levison. 1,770,475; July 15.
- Clamping means for stenciling devices. O. Halvorsen and S. F. Kiesling. 1,773,673; Aug. 19.
- Clamping mechanism for pressing machines. R. C. Pauly and S. Nottage. 1,763,816; June 17.
- Clamping mechanism for rolling screens. G. M. Sacerdote. 1,751,950; Mar. 25.
- Clamping mechanism, Work-holder. F. Gorree. 1,743,339; Jan. 14.
- Clamping member for sole-rounding machines. A. Labrie. 1,755,606; Apr. 22.
- Clamping pin. F. G. Wagener. 1,755,718; Apr. 22.
- Clamping ring. G. Spatts. 1,775,659; Sept. 16.
- Clamping-screw collar, Universal. J. P. M. Malleville. 1,778,504; Oct. 14.
- Clamping tongs for shoe repairing. G. H. Schroder. 1,764,533; June 17.
- Clamps and the blanks for the same, Making. J. A. Hawthorne and L. Lea. 1,747,005; Feb. 11.
- Clamps, Forming leveling-rod. A. Langsner. 1,772,356; Aug. 5.
- Clamps, Operating device for hot-line. H. W. Bodendieck. 1,744,356; Jan. 21.
- Clarifier. W. M. Coffield and T. C. Moore. 1,766,883; June 24.
- Clarifying and carbonating apparatus. F. E. Rice. 1,777,327; Oct. 7.
- Clarinet mouthpiece. P. Arthur. 1,771,157; July 22.
- Clasp: See—
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| Adjustable clasp. | Hair clasp. |
| Apparel clasp. | Lingerie clasp. |
| Bag clasp. | Safety spring clasp. |
| Bag-frame clasp. | Strap-fastener clasp. |
| Belt clasp. | Supporter clasp. |
| Bracelet clasp. | Tie clasp. |
| Brooch clasp. | Wristband clasp. |
| Collar clasp. | |
- Clasp. E. C. Grassmann. 1,778,554; Oct. 14.
- Clasp. S. A. Johnson. 1,775,167; Sept. 9.
- Clasp. N. T. Nelson. 1,749,440; Mar. 4.
- Clasp. H. B. Rotherg. 1,778,168; Oct. 14.
- Clasp. P. D. Smith. 1,775,443; Sept. 9.
- Clasp for articles of jewelry. G. H. Waterhouse. 1,771,427; July 29.
- Clasp for cigarette cases or the like. V. A. Cyr. 1,778,312; Oct. 14.
- Clasp for foldable extension devices. W. J. Roy. 1,750,133; Mar. 11.
- Clasp for jewelry. J. Kreisler. 1,753,207; Apr. 8.
- Clasp for ladies' mesh bracelets, Catch. L. F. Otten. 1,783,306; Dec. 2.
- Clasp for pocketbooks and the like. A. Rosenband. 1,782,665; Nov. 25.
- Clasp for pool tables, Pocket. O. V. Smith. 1,776,328; Sept. 23.
- Clasp or fastening device for bracelets. J. Weisman. 1,785,059; Dec. 16.
- Clasp or similar article. T. H. Wightman. Des. 81,119; May 6.
- Classification system, Railway-car. C. W. Prescott. 1,769,713; July 1.
- Classifier, Hydraulic. A. W. Fahrenwald. 1,752,791; Apr. 1.
- Classifier, Mechanical. E. J. A. Rothellus. 1,777,182; Sept. 30.
- Classifying and washing apparatus. H. W. Newton. 1,784,246; Dec. 9.
- Classifying apparatus. A. France. 1,785,679; Dec. 16.
- Clay, Art. J. P. Slinger. 1,763,105; June 10.
- Clay, carbon, or other products, Method and apparatus for drying or roasting. F. M. Hartford. 1,773,675; Aug. 19.
- Clay, Coloring. R. T. Vanderbilt. 1,755,616; Apr. 22.
- Clay compound and method of making. T. S. Curtis. 1,768,545; July 1.
- Clay, Making a decolorizing. W. S. Baylis. 1,781,265; Nov. 11.
- Clay-molding die. A. P. Keller. 1,782,236; Nov. 18.
- Clay or other minerals, Bleaching or decolorizing of. T. W. Parker. 1,777,446; Oct. 7.
- Clay, Preparing activated adsorptive. W. S. Baylis. 1,776,990; Sept. 30.
- Clay, Sintering. J. E. Greenawalt. 1,786,714; Dec. 30.
- Clay spreader. R. M. and F. M. Kinnard. 1,778,324; Oct. 14.
- Clay, Treating. W. H. Alton. 1,771,478; July 29.
- Clay, Treating. W. G. Buckles. 1,760,191; May 27.
- Clay, Treatment of. W. H. Alton. 1,771,477; July 29.
- Clay, Treatment of. W. H. Alton. 1,771,479; July 29.
- Clays and the like, Device for testing. J. F. Mackin. 1,785,521; Dec. 16.
- Clays, Recovering waste. W. D. Rial and W. R. Barratt. 1,782,744; Nov. 25.
- Cleaner: See—
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| Air cleaner. | Honey-section cleaner. |
| Air-heater cleaner. | Mop cleaner. |
| Bedpan cleaner. | Pipe cleaner. |
| Beet cleaner. | Pneumatic stock cleaner. |
| Boiler cleaner. | Porch cleaner. |
| Box cleaner. | Rake cleaner. |
| Bucket cleaner. | Road cleaner. |
| Carburetor dust cleaner. | Sawmill-block cleaner. |
| Carpet dust cleaner. | Screen cleaner. |
| Chimney cleaner. | Screw-thread cleaner. |
| Comb cleaner. | Shoe cleaner. |
| Cotton cleaner. | Soot cleaner. |
| Cylinder cleaner. | Steam cleaner. |
| Ditch cleaner. | Suction cleaner. |
| Eraser cleaner. | Thread cleaner. |
| Filter-bed cleaner. | Tube cleaner. |
| Flue cleaner. | Vacuum cleaner. |
| Fluid air cleaner. | Waste cleaner. |
| Fruit cleaner. | Well cleaner. |
| Gas and air cleaner. | Wheel-lug cleaner. |
| Gas cleaner. | Window cleaner. |
| Golf-ball cleaner. | Windshield cleaner. |
| Gun cleaner. | Yarn cleaner. |
- Cleaner. E. B. Cooper. 1,745,355; Feb. 4.
- Cleaner. H. Fuhrberg and C. T. Johnson. 1,750,838; Mar. 18.
- Cleaner. John G. Tandberg. 1,773,381; Aug. 19.
- Cleaner. H. B. White. 1,783,205; Dec. 2.
- Cleaner and drier, Window. E. H. Paull. 1,778,121; Oct. 14.
- Cleaner for boilers, Rotary soot. F. W. Linaker and T. M. Bruback. 1,784,491; Dec. 9.
- Cleaner for cards, Self-. P. H. Walsh. 1,743,069; Jan. 7.
- Cleaner for excavating machines, Bucket. A. Carlesimo. 1,770,837; July 15.
- Cleaner for internal-combustion engines, Air. R. O. Hendrickson and C. B. Larsen. 1,761,014; June 3.
- Cleaner or filter for carburetors, Air. W. V. Ludlam. 1,760,705; May 27.
- Cleaner-set package. J. L. Miller. 1,780,268; Nov. 4.
- Cleaners, Attachment for windshield. P. H. Harrington and V. Klingler. 1,747,004; Feb. 11.
- Cleaners for shoe linings. H. S. Buttenheim. 1,785,512; Dec. 16.
- Cleaners, Operating boiler soot. F. W. Linaker and T. M. Bruback. 1,742,361; Jan. 7.
- Cleaning and air conditioning apparatus. A. O. Engberg and F. Carlstedt. 1,757,239; May 6.
- Cleaning and disinfecting compound. W. E. Jones. 1,767,528; June 24.
- Cleaning and plating machine, Continuous automatic. C. G. Miller and C. F. Cleveland. 1,767,253; June 24.
- Cleaning and polishing compound. F. J. Pilgrim. 1,743,865; Jan. 14.
- Cleaning and polishing fluid. S. Hardy. 1,758,317; May 13.
- Cleaning and polishing implement. H. Hertzberg. 1,757,366; May 6.
- Cleaning and scouring apparatus, Wool. H. G. Howell and R. Howell. 1,776,186; Sept. 16.
- Cleaning and washing device. M. S. Carmichael. 1,760,041; May 27.
- Cleaning animal intestines. O. C. Waterman. 1,745,564; Feb. 4.
- Cleaning apparatus. G. B. Crisp. 1,769,944; July 8.
- Cleaning apparatus. L. C. Huff. 1,767,795; June 24.
- Cleaning apparatus. G. E. Whitlock. 1,772,530; Aug. 12.
- Cleaning apparatus, Barrel-. A. N. Eaton. 1,770,201; July 8.
- Cleaning apparatus, Bottle. R. and L. Vosika. 1,780,451; Nov. 4.
- Cleaning apparatus, Dry-. E. W. Mishaw. 1,776,190; Sept. 16.
- Cleaning apparatus, Dry-. H. F. Silver. 1,775,699; Sept. 16.
- Cleaning apparatus for cottonseed. E. M. Brennan. 1,784,219; Dec. 9.

- Cleaning apparatus, Window-. D. E. Campbell. 1,771,616; July 29.
- Cleaning apparatus, Suction. E. F. Martinet. 1,753,799; Apr. 8.
- Cleaning apparatus, Surface. S. A. Wier. 1,746,624; Feb. 11.
- Cleaning appliance, Nail-. W. I. and V. Wrightson. 1,750,451; Mar. 11.
- Cleaning attachment for presses. J. A. Peck. 1,768,419; June 24.
- Cleaning attachment for tractors, Wheel-. G. Raby. 1,763,984; June 17.
- Cleaning composition. L. Kirschbraun. 1,786,249; Dec. 23.
- Cleaning composition. J. Sendelback and R. V. Palmer. 1,751,764; Mar. 25.
- Cleaning compound. F. Wilkes. 1,753,395; Apr. 8.
- Cleaning device. P. J. Martin. 1,757,777; May 6.
- Cleaning device. H. V. Raynor. 1,747,180; Feb. 18.
- Cleaning device. G. H. Sommerfeld. 1,761,499; June 3.
- Cleaning device. S. Weintraub. 1,760,614; May 27.
- Cleaning device, Berry-. W. E. Urschel. 1,765,953; June 24.
- Cleaning device, Cutlery-. H. Williams. 1,780,637; Nov. 4.
- Cleaning device, Film-. J. Frankenberg. 1,748,760; Feb. 25.
- Cleaning device for coal breakers. J. A. Plimpton. 1,746,555; Feb. 11.
- Cleaning device for liquid-fuel burners. L. S. Chadwick and M. Resek. 1,747,347; Feb. 18.
- Cleaning device for rotary drilling tools. J. A. Zublin and E. T. Scott. 1,784,476; Dec. 9.
- Cleaning device for slicing-machine knives. P. Sivertsen. 1,751,891; Mar. 25.
- Cleaning device, Heating-surface-. D. S. Jacobus. 1,784,629; Dec. 9.
- Cleaning device, Internal-combustion engine. F. F. Cowherd. 1,787,360; Dec. 30.
- Cleaning device, Paper-screen-. J. D. Beatty. 1,743,953; Jan. 14.
- Cleaning drier. S. Chase, 4th, and B. S. Pfeiffer. 1,751,681; Mar. 25.
- Cleaning, Dry. L. E. Jackson. 1,778,948; Oct. 21.
- Cleaning fluid. C. F. Rudzenia. 1,748,999; Mar. 4.
- Cleaning fluid and producing the same. B. B. Farrington. 1,759,155; May 20.
- Cleaning guns, Device for. D. C. Hooker. 1,745,575; Feb. 4.
- Cleaning implement. A. Bausback. 1,775,221; Sept. 9.
- Cleaning implement. T. J. McCaffrey. 1,751,415; Mar. 18.
- Cleaning implement. F. W. Stein. 1,786,723; Dec. 30.
- Cleaning implement for windows and the like. D. Zaiden. 1,744,254; Jan. 21.
- Cleaning implement, Sink-. H. Cave. 1,760,268; May 27.
- Cleaning implements, Making. H. Cave and W. H. Rudolph. 1,743,319; Jan. 14.
- Cleaning machine. H. R. Swanson. 1,764,424; June 17.
- Cleaning machine, Car-cushion-. E. M. Wilson. 1,767,420; June 24.
- Cleaning machine, Carpet-. S. Chase, 4th, and B. S. Pfeiffer. 1,768,887; July 1.
- Cleaning machine, Eraser. E. R. Lochman. 1,770,935; July 22.
- Cleaning machine, Fabric-. G. H. Palm. 1,765,610; June 24.
- Cleaning machine, Mold-. H. J. Hoenes. 1,750,470; Mar. 11.
- Cleaning machine, Oyster-. E. T. McNaney. 1,779,046; Oct. 21.
- Cleaning machine, Portable. A. W. Holmes, D. E. Jaques, and H. B. Coats. 1,774,326; Aug. 26.
- Cleaning machine, Used journal-box-waste. T. M. Lawson. 1,787,156; Dec. 30.
- Cleaning plant, Dry-. W. B. Jennings. 1,770,236; July 8.
- Cleanser. A. R. Jennings. 1,775,040; Sept. 2.
- Cleaning, waxing, and polishing device, Floor. F. J. McCarthy. 1,762,637; June 10.
- Cleaning, wetting, and emulsifying. W. Schrauth. 1,750,198; Mar. 11.
- Cleansing and emulsifying agent. W. Pungs. 1,757,441; May 6.
- Cleansing apparatus. M. Guett. 1,771,436; July 29.
- Cleansing composition. L. Gergele. 1,759,783; May 20.
- Clearance-setting mechanism. G. A. De Vlieg. 1,759,044; May 20.
- Clear-vision device. K. M. MacLennan and J. O. Marcellais. 1,751,519; Mar. 25.
- Cleat. E. A. Richardson. 1,743,285; Jan. 14.
- Cleat, Construction. R. R. Seward and J. A. Booe. 1,763,483; June 10.
- Cleat for sport shoes. G. L. Pierce and H. V. Rau. 1,758,408; May 13.
- Cleat, Roofing. J. A. Topping. 1,761,599; June 3.
- Cleat, Shoe. G. L. Pierce. 1,760,084; May 27.
- Cleated ground wheel. C. C. Worthington. 1,750,145; Mar. 11.
- Cleats, Making belaying. E. D. Priest. 1,743,390; Jan. 14.
- Cleaver, knife, and saw, Combination. B. Williamson. 1,763,452; June 10.
- Clevis. J. Achatz. 1,762,113; June 3.
- Clinching press. I. Krutt. 1,776,124; Sept. 16.
- Clinker shovel. A. Krisberg. 1,751,337; Mar. 18.
- Clip: See—
- Awning clip. Paper clip.
- Card-holding clip. Pen and pencil clip.
- Center clip. Pocketknife clip.
- Check-stub clip. Rib clip.
- Comb clip. Screed clip.
- Conductor-holding clip. Screen clip.
- Connection clip. Snap-on clip.
- Fence clip. Spoon-holding clip.
- Frame clip. Spring clip.
- Glazing clip. Supporting clip.
- Guy clip. Suspension and holding clip.
- Jointed clip. Tenter clip.
- Lath clip. Urethral clip.
- Metal clip. Wire clip.
- Mine-tie clip.
- Necktie clip.
- Clip. S. L. Gedney. 1,767,973; June 24.
- Clip. J. A. Hyams. 1,748,227; Feb. 25.
- Clip. J. P. Lynn. 1,784,605; Dec. 9.
- Clip. E. Morehouse. 1,778,428; Oct. 14.
- Clip. F. J. Reilly. 1,745,767; Feb. 4.
- Clip. E. I. Rogers, jr. Des. 81,463; June 24.
- Clip. R. T. von Palmenberg. 1,760,456; May 27.
- Clip and making the same. H. W. Pearce. 1,773,497; Aug. 19.
- Clip and spacer for bars. W. E. White. 1,772,653; Aug. 12.
- Clip attachment for file folders. R. A. Jonas. 1,747,246; Feb. 18.
- Clip for a fountain pen or similar article. L. Morrison. Des. 83,241; Oct. 21.
- Clip for a fountain pen or the like. G. Larsen. Des. 81,246-7; May 27.
- Clip for belts, garters, and the like, Spring. C. Murphy. 1,767,608; June 24.
- Clip for book backs. F. S. Schade. 1,754,908; Apr. 15.
- Clip for bucket covers. F. G. Kraft. 1,767,217; June 24.
- Clip for collapsible tubes. G. W. Dunnican. 1,781,448; Nov. 11.
- Clip for drawer pulls. H. G. Specht. 1,772,371; Aug. 5.
- Clip for file sheets, Label-holding removable. J. T. Quigley. 1,742,277; Jan. 7.
- Clip for holding glass-tube holders. S. A. Gaede. 1,766,377; June 24.
- Clip for message blanks, Desk. R. I. Meader. 1,743,000; Jan. 7.
- Clip for metallic lath, Securing. W. F. Zabriskie. 1,752,517; Apr. 1.
- Clip for securing wood sleepers to concrete floors. J. H. Prescott. 1,768,268; June 24.
- Clip for sheet material. J. B. Willsea. 1,768,497; June 24.
- Clip for the ropeway car or the like. Y. Tamamura. 1,771,469; July 29.
- Clip for tubular shells. A. H. Garst. 1,774,434; Aug. 26.
- Clip for tubular shells. H. G. Oxx. 1,762,793; June 10.
- Clip for writing tools. C. F. Doebler. 1,756,241; Apr. 29.
- Clip-operating means for stereotype molds, Automatic. Henry A. W. Wood. 1,773,769; Aug. 26.
- Clip or fastener Paper. A. B. Shaw. 1,783,678; Dec. 2.
- Clips, Battery-connector. A. H. Oak. 1,769,536; July 1.
- Clipper. M. R. Thrower. 1,766,270; June 24.
- Clipper, Hair. W. Kocourek and S. Minarik. 1,745,997; Feb. 4.
- Clipper, Hand hair. J. Oster. 1,749,543; Mar. 4.
- Clipper, Hedge. J. Tollmann. 1,775,627; Sept. 9.
- Clipping device. C. A. Huff. 1,774,328; Aug. 26.
- Clipping machine. J. F. Doran. 1,745,477; Feb. 4.
- Clippers. A. J. Dremel. 1,764,614; June 17.
- Clippers, Attachment for hair. J. W. Ragan. 1,779,106; Oct. 21.
- Clippers, Curved-blade barber. A. T. Scheiwer. 1,780,276; Nov. 4.
- Clippers, Hair. S. Friedman. 1,764,556; June 17.
- Clock. P. Baumgarten. 1,768,100; June 24.
- Clock. A. Dorsey. 1,751,542; Mar. 25.
- Clock. F. Halstrup. 1,774,139; Aug. 26.
- Clock. J. L. Mott. 1,769,154; July 1.
- Clock. W. E. Porter. 1,752,651-2; Apr. 1.
- Clock. F. W. White. 1,774,579; Sept. 2.
- Clock-actuating mechanism. F. Perretti. 1,743,001; Jan. 7.
- Clock, Alarm. E. L. Carlson. 1,744,524; Jan. 21.
- Clock, Alarm. P. Lux. 1,767,183; June 24.
- Clock and similar indicator. A. F. Poole. 1,756,437; Apr. 29.
- Clock and the like, Electric. A. F. Poole. 1,772,555-6; Aug. 12.
- Clock, Astronomical. M. N. Bulka. 1,750,505; Mar. 11.
- Clock, Astronomical. N. Tomasevich. 1,770,820; July 15.
- Clock base. J. O. Simpson. Des. 81,161; May 13.
- Clock case. J. M. Colucci. Des. 81,272; June 3.
- Clock case. G. Graff. Des. 71,975; Sept. 9.
- Clock case. G. Graff. Des. 80,613-17; Mar. 4.
- Clock case. G. Graff. Des. 81,927; Sept. 2.
- Clock case. M. H. Kaefler. Des. 82,032; Sept. 16.
- Clock case. J. R. Rutkay. Des. 81,553; July 8.
- Clock case. M. Salinger. Des. 81,665; July 22.
- Clock case. J. H. Schaefer. Des. 82,452; Nov. 4.
- Clock case. N. F. Thompson, jr. Des. 82,961; Dec. 30.
- Clock case. R. H. Whitehead. Des. 82,866; Dec. 16.
- Clock case and lamp, Combined. P. Cricchio. Des. 81,323; June 10.

- Clock case or similar article. A. Levy. Des. 82,270; Oct. 14.
- Clock case or similar article. A. Levy. Des. 82,509; Nov. 11.
- Clock case, Savings-bank. H. B. Colvin. Des. 80,991; Apr. 15.
- Clock casing. M. Jauch. Des. 81,194; May 20.
- Clock casing and dial therefor or similar article, Combined. P. T. Frankl. Des. 82,548; Nov. 18.
- Clock, Coin-controlled. W. D. Shafer. 1,753,949; Apr. 8.
- Clock, Coin-controlled. J. A. Smith. 1,755,371; Apr. 22.
- Clock-controlled contact device. E. S. Ostler. 1,763,252; June 10.
- Clock dial and illuminating the same, Advertising. J. I. Parrish. 1,760,253; May 27.
- Clock driving mechanism, Electric. M. H. Kaefer. 1,779,214; Oct. 21.
- Clock, Electric. A. F. Poole. 1,756,472; Apr. 29.
- Clock, Electric. W. E. Porter. 1,755,560; Apr. 22.
- Clock, Electric. L. J. Stern. 1,770,677; July 15.
- Clock, Electric. F. E. White. 1,787,059; Dec. 30.
- Clock, Electric program. L. C. Morris. 1,784,195; Dec. 9.
- Clock, Electrically-driven. F. Holden. 1,755,649; Apr. 22.
- Clock, Electrically-wound. A. B. Campbell. 1,786,288; Dec. 23.
- Clock, Electrically-wound. C. E. de Long. 1,785,301; Dec. 16.
- Clock for hotels, Automatic alarm. U. Giomi. 1,769,830; July 1.
- Clock frame. A. Hart. Des. 81,054; Apr. 29.
- Clock frame and face, Combined. R. E. Patten. Des. 81,068; Apr. 29.
- Clock frame or article of analogous nature. F. J. Abel. Des. 81,612; July 22.
- Clock, Graphophone. J. H. Holloway. 1,785,121; Dec. 16.
- Clock mechanism. F. R. Kalck. 1,765,677; June 24.
- Clock movement and dial-supporting means. J. Wilcox, jr. 1,766,806; June 24.
- Clock movement, Secondary. R. S. Fulton. 1,754,508; Apr. 15.
- Clock or the like. E. W. Goff. Des. 82,424; Nov. 4.
- Clock, Parking. B. F. Hutches, jr. 1,749,977; Mar. 11.
- Clock, Pendulum-drive master. T. S. Casner. 1,747,103; Feb. 11.
- Clock, Secondary. J. W. Bryce. 1,752,939; Apr. 1.
- Clock, Secondary wall. E. S. Ostler. 1,773,152; Aug. 19.
- Clock system, Electric. H. E. Warren. 1,767,949; June 24.
- Clock system, Electric. H. E. Warren. 1,768,431; June 24.
- Clock system, Self-regulating. J. W. Bryce. 1,760,631; May 27.
- Clock system, Synchronizing. J. W. Bryce. 1,777,745; Oct. 7.
- Clock, Warper. B. A. Peterson. 1,747,734; Feb. 18.
- Clock, Watchman's electric. S. B. Chapman. 1,765,205; June 17.
- Clockworks with electric winding device. J. Geisslinger. 1,778,072; Oct. 14.
- Clocks and watches, Testing and adjusting device for the balance-wheel units of. F. Franz. 1,779,122; Oct. 21.
- Clocks, Automatic strike-regulating means for. F. Heckert. 1,785,551; Dec. 16.
- Clocks, Back-wind mechanism for. T. N. Hicks. 1,749,185; Mar. 4.
- Clocks by means of electromagnetic waves, Automatically regulating. O. Junghans. 1,747,547; Feb. 18.
- Clocks, Electric bell-sounding device for. K. G. Williams. 1,766,160; June 24.
- Clocks, Mechanism for starting. W. J. Vanderpool. 1,781,740; Nov. 18.
- Clogging of air conveyers, Preventing. W. Evans. 1,746,345; Feb. 11.
- Closet: See—
Dry closet. Water-closet.
Odorless and flyproof dry closet.
- Closet. C. R. Crane, II. Des. 80,606; Mar. 4.
- Closet. C. R. Crane, 2d. Des. 80,721; Mar. 18.
- Closet. W. C. H. Joiner, jr. 1,763,524; June 10.
- Closet bowl, Water-. H. F. Kelso. 1,785,198; Dec. 16.
- Closet bowl, Water-. H. F. Weaver. Des. 82,963; Dec. 30.
- Closet chair. E. A. Zundel. 1,764,137; June 17.
- Closet chair. E. A. Zundel. 1,781,938; Nov. 18.
- Closet-flushing device. C. W. Brown. 1,780,810; Nov. 4.
- Closet pole, Extensible. G. A. Carlson. 1,764,931; June 17.
- Closet system. W. C. Groeniger and J. C. Cromwell. 1,777,561; Oct. 7.
- Closing device. R. Klimburg. 1,747,550; Feb. 18.
- Closing machine. J. H. Murch. 1,758,369; May 13.
- Closure. C. H. Bell. 1,767,040; June 24.
- Closure. L. R. N. Carvalho. 1,755,168; Apr. 22.
- Closure. C. R. Crary. 1,761,427-8; June 3.
- Closure. F. R. Eaglesfield. 1,750,631; Mar. 18.
- Closure. J. S. Reid. 1,759,244; May 20.
- Closure. J. S. Reid. 1,767,187; June 24.
- Closure. L. J. Stern. 1,746,369; Feb. 11.
- Closure. H. Wainwright. 1,761,603; June 3.
- Closure. C. A. Zarobsky. 1,762,852; June 10.
- Closure, Adjustable garment. I. Kaplan. 1,753,657; Apr. 8.
- Closure and gauge rod for oil tanks, Combined. A. M. Malluk. 1,750,849; Mar. 18.
- Closure and making the same, Bag. S. H. and G. E. Lilly. 1,763,663; June 17.
- Closure and pouring spout, Can. R. R. Rogers. 1,745,382; Feb. 4.
- Closure and spout for containers, Combined. P. Link. 1,775,596; Sept. 9.
- Closure and support, Bag. F. L. Savageau. 1,785,498; Dec. 16.
- Closure and the like, Bottle. F. K. Plympton. 1,777,995; Oct. 7.
- Closure apparatus. C. H. Ehlers. 1,756,976; May 6.
- Closure, Bag. J. K. Diamond. 1,786,426; Dec. 30.
- Closure, Bag. I. W. Litchfield. 1,782,240; Nov. 18.
- Closure, Bag. S. Wisbith. 1,771,429; July 29.
- Closure, Bayonet-joint. J. S. Reid. 1,759,243; May 20.
- Closure, Bottle. F. B. Cooney. 1,747,889; Feb. 18.
- Closure, Bottle. L. F. Dalton. 1,785,890; Dec. 23.
- Closure, Bottle. R. A. Graham. 1,758,696; May 13.
- Closure, Bottle. W. W. Mason. 1,752,603; Apr. 1.
- Closure, Bottle. F. O'Neill, jr. 1,766,679; June 24.
- Closure, Bottle. D. N. Van Alstyne. 1,785,716; Dec. 16.
- Closure, Bottle. H. B. Wallace and F. W. Frerichs, jr. 1,747,917; Feb. 18.
- Closure, Can. J. K. Burleigh. 1,753,500; Apr. 8.
- Closure, Cap. W. P. Cohoe. 1,767,512; June 12.
- Closure cap. A. A. Glawe. R. E. Evrard, and J. H. Andrew. 1,774,091; Aug. 26.
- Closure cap. S. J. Smyth. 1,755,522; Apr. 22.
- Closure cap for radiators, water tanks, pressure tanks, gas tanks, and the like. E. Persson. 1,784,198; Dec. 9.
- Closure cap for tanks. J. L. Morgan. 1,775,318; Sept. 9.
- Closure cap, Two-piece. E. Scofield. 1,783,314; Dec. 2.
- Closure construction. B. L. Henry. 1,769,259; July 1.
- Closure construction, Hand-operated hermetic. A. Moore. 1,747,591; Feb. 18.
- Closure, Container. F. M. Marshall. 1,758,574; May 13.
- Closure, Container. W. H. Rose. 1,761,367; June 3.
- Closure device. F. G. Ginzler. 1,766,120; June 24.
- Closure device. T. J. Melvin. 1,771,545; July 29.
- Closure device, Curtain-. W. H. Staring. 1,747,089; Feb. 11.
- Closure device for perfume bottles or the like. W. Duskow. 1,755,433; Apr. 22.
- Closure, Disk-form bottle. F. O'Neill, jr. 1,760,279; May 27.
- Closure, Electrically-controlled receptacle. M. J. Du Feau. 1,751,801; Mar. 25.
- Closure element. R. F. Walters. 1,753,631; Apr. 8.
- Closure, Flexible. E. H. Binns. 1,776,142; Sept. 16.
- Closure for automobiles, Weather or winter. E. B. Nathan. 1,747,677; Feb. 18.
- Closure for bottles and jars. E. Johannssen. 1,752,090; Mar. 25.
- Closure for bottles containing carbonated beverages, Valve-controlled. F. W. Hoban. 1,751,237; Mar. 18.
- Closure for bottles or bags. S. J. Stanley. 1,754,776; Apr. 15.
- Closure for boxes and cases. V. Oreggia. 1,781,243; Nov. 11.
- Closure for cigarette packages, End or side. R. A. Ogden. 1,758,406; May 13.
- Closure for collapsible tubes. E. L. Pohl. 1,759,206; May 20.
- Closure for collapsible tubes. A. E. Smith. 1,770,630; July 15.
- Closure for collapsible tubes and the like. W. T. Davis. 1,778,625; Oct. 14.
- Closure for containers. G. L. Ohmart. 1,764,973; June 17.
- Closure for containers. F. G. Wikstrom. 1,778,540; Oct. 14.
- Closure for containers, Dual-nozzle. C. J. Aulbach. 1,758,916; May 20.
- Closure for fabric rolls, End. J. P. Nielsen and J. R. Richer. 1,766,034; June 24.
- Closure for glass gathering openings. A. Mathé. 1,775,683; Sept. 16.
- Closure for glass receptacles. A. L. Merolle and F. Boehle. 1,762,342; June 10.
- Closure for metallic boxes, Hermetic slip-type. G. Dolliens. 1,758,691; May 13.
- Closure for nonrefillable bottles. A. Hafermann. 1,750,591; Mar. 11.
- Closure for open automobiles. W. J. Spiro. 1,775,539; Sept. 9.
- Closure for receptacles. W. L. Rutkowski. 1,762,310; June 10.
- Closure for receptacles, Self-acting. A. Hammerstein. 1,760,946; June 3.
- Closure for sheet-metal containers and the like. W. J. Boyle, jr. 1,746,926; Feb. 11.
- Closure for tooth-paste tubes. C. A. Conover. 1,765,128; June 17.
- Closure for tractor trailer vehicles, Flexible. F. C. McManus. 1,750,186; Mar. 11.
- Closure for use with burner units. J. L. Breese, jr. 1,751,973; Mar. 25.
- Closure for wall openings, Safety. W. F. Canavan. 1,755,868; Apr. 22.
- Closure for water bags. M. B. Reach. 1,752,808; Apr. 1.
- Closure, Handhole. G. A. Hull. 1,744,119; Jan. 21.
- Closure, Handle-controlled slot. C. W. Nixon. 1,753,092; Apr. 1.
- Closure hanger. L. W. Franks. 1,757,422; May 6.
- Closure, Hermetic tube. R. Sato. 1,761,236; June 3.

- Closure, Ice-cream-cabinet. F. R. Jefferys. 1,754,793; Apr. 15.
- Closure, Inkwell. L. B. Prosnitz. 1,765,284; June 17.
- Closure, Jar. W. E. Brown. 1,754,542; Apr. 15.
- Closure, Jar and bottle. O. F. Baltzley. 1,744,026; Jan. 21.
- Closure lock. E. W. McGhan. 1,749,255; Mar. 4.
- Closure means for containers. R. S. Casey. 1,773,475; Aug. 19.
- Closure means for containers. D. G. Williams. 1,743,058; Jan. 7.
- Closure operating and locking mechanism. F. K. Fildes. 1,782,845; Nov. 25.
- Closure-operating mechanism. G. G. Candee. 1,764,150; June 17.
- Closure operator. G. Anderson. 1,771,601; July 29.
- Closure operator. M. R. Harris. 1,749,425; Mar. 4.
- Closure operator. D. J. Stewart. 1,773,243; Aug. 19.
- Closure operator. J. D. Swarner. 1,782,978; Nov. 25.
- Closure operator for annealing furnaces and the like. A. G. Lobley. 1,773,049; Aug. 12.
- Closure or container for hose and the like, Protective. A. V. H. Monro. 1,756,874; Apr. 29.
- Closure, Receptacle. W. J. Donnelly. 1,770,464; July 15.
- Closure, Receptacle. F. J. O'Brien. 1,759,274; May 20.
- Closure, Receptacle. G. T. Smallwood and H. K. Acker. 1,779,018; Oct. 21.
- Closure, Receptacle. A. E. Smith. 1,748,681; Feb. 25.
- Closure, Removable receptacle. K. Kohn. 1,762,689; June 10.
- Closure-removing device. G. A. Carlson. 1,785,436; Dec. 16.
- Closure, Replaceable receptacle. F. J. O'Brien and W. Punte. 1,764,883; June 17.
- Closure-retaining means for containers. E. P. Linch. 1,753,660; Apr. 8.
- Closure seal. E. F. Andersen and J. E. Sharp. 1,764,864; June 17.
- Closure, Shoe. C. F. Diether. 1,762,615; June 10.
- Closure structure. J. S. Reid. 1,760,439; May 27.
- Closure structure. J. S. Reid. 1,777,767-8; Oct. 7.
- Closure, Tank-dome. R. G. Nichols and V. Willoughby. 1,748,185; Feb. 25.
- Closure, Thread-protecting. J. Berge. 1,771,522; July 29.
- Closure, Threshold. M. C. Rosenblatt. 1,772,594; Aug. 12.
- Closures, Apparatus for applying bottle. J. A. Pease. 1,765,030; June 17.
- Closures in opened or closed position, Device for maintaining. E. M. Bristol. 1,743,654; Jan. 14.
- Closures, Manufacturing tin. O. Helberg. 1,743,544; Jan. 14.
- Closures, Operating means for. G. E. McCaw. 1,742,713; Jan. 7.
- Closures, Reseating device for roll. C. Traut. 1,779,646; Oct. 28.
- Cloth and its manufacture. W. M. Fuller. 1,769,055; July 1.
- Cloth clamp. H. W. Butterworth, jr. 1,775,507; Sept. 9.
- Cloth-cutting machines. Attachment for. F. J. Clark. 1,746,930; Feb. 11.
- Cloth expander, cloth guider, and the like. E. Farrell. 1,776,382; Sept. 23.
- Cloth-finishing machine. H. G. Nordquist and W. B. Bronander. 1,746,552; Feb. 11.
- Cloth folder. S. Cooper. 1,762,612; June 10.
- Cloth formation, Pieced. E. Galati. 1,749,025; Mar. 4.
- Cloth guiding and stretching device. E. A. Rusden. 1,752,966; Apr. 1.
- Cloth-handling machine. A. Birch. 1,748,275; Feb. 25.
- Cloth measuring and delivery table, Wire. L. G. Beers. 1,779,872; Oct. 28.
- Cloth, Method of and apparatus for finishing. W. B. Bronander. 1,773,167; Aug. 19.
- Cloth, Method of and apparatus for steaming and refinishing. I. Cohen. 1,749,564; Mar. 4.
- Cloth, Pearl. P. Ganzinotti. 1,743,447; Jan. 14.
- Cloth-rest construction for cloth shears. C. G. Richardson. 1,768,490; June 24.
- Cloth restorer, Nappy-. B. D. Goldberg. 1,778,489; Oct. 14.
- Cloth spreading and piling machine. J. E. Gadbois. 1,749,214; Mar. 4.
- Cloth, Swaddling. M. Bersin. 1,756,508; Apr. 29.
- Cloth-winding machine. C. G. Richardson. 1,747,143; Feb. 11.
- Clothes car. M. V. Newhouser. 1,752,687; Apr. 1.
- Clothes drier. L. Leitzenberger. 1,750,280; Mar. 18.
- Clothes drier. P. Palumbo. 1,780,037; Oct. 28.
- Clothes drier. C. A. Pickens. 1,751,841; Mar. 25.
- Clothes drier. M. G. Steele. 1,767,157; June 24.
- Clothes drier. L. G. Young. 1,783,488; Dec. 2.
- Clothes drier, Centrifugal. P. E. Geldhof. 1,770,666; July 15.
- Clothes drier, Centrifugal. P. E. Geldhof. 1,773,710; Aug. 19.
- Clothes drier, Centrifugal. W. A. Papworth. 1,775,048; Sept. 2.
- Clothes driers, Rinsing device for centrifugal. P. E. Geldhof. 1,747,293; Feb. 18.
- Clothes-drying rack. G. T. Hoyns. 1,762,628; June 10.
- Clothes hanger. C. M. Bolinger. 1,760,739; May 27.
- Clothes hanger. D. M. Campana. 1,763,686; June 17.
- Clothes hanger. D. Carlin. 1,768,744; July 1.
- Clothes hanger. F. Montes. Des. 80,450; Feb. 4.
- Clothes hanger. L. S. Porter. 1,743,234; Jan. 14.
- Clothes-hanging device. A. Tamarazzo. 1,760,290; May 27.
- Clotheshorse. J. W. Frazer. 1,764,072; June 17.
- Clothesline. H. A. Marrable. 1,753,439; Apr. 8.
- Clothesline and drier. H. T. Horscraft and W. L. King. 1,780,708; Nov. 4.
- Clothesline, Endless. N. Chaney. 1,748,864; Feb. 25.
- Clothesline, Metallic. O. E. Law. 1,783,245; Dec. 2.
- Clothesline, Pinless. L. F. Martin. 1,778,806; Oct. 21.
- Clothesline reel. H. Cole. 1,777,784; Oct. 7.
- Clotheslines, Device for cleaning. S. Pilla. 1,748,899; Feb. 25.
- Clothespin. W. B. Canniff. 1,770,298; July 8.
- Clothespin. G. H. Jentzen. 1,761,630; June 3.
- Clothespin. F. Perebenda. 1,781,031; Nov. 11.
- Clothespin. A. H. Scarr. 1,784,252; Dec. 9.
- Clothespin. R. V. Shackelford. 1,760,445; May 27.
- Clothespin bag. W. N. Willis. 1,749,992; Mar. 11.
- Clothespin, Wire. A. Forget. 1,764,833; June 17.
- Clothes rack. H. Pintel. 1,752,691; Apr. 1.
- Clothes tree. J. H. Collins. 1,748,597; Feb. 25.
- Clothes washer. D. G. Smellie. 1,748,150; Feb. 25.
- Clothes washer and drier, Mechanical. P. E. Geldhof. 1,787,243; Dec. 30.
- Clothes washer, Gripping. H. L. Ward. 1,758,633; May 13.
- Clothes washer, Mechanical. P. E. Geldhof. 1,787,244; Dec. 30.
- Clothes-washing device. A. Hormel. 1,759,353; May 20.
- Clothlike fabric. M. J. Shoemaker. 1,786,781; Dec. 30.
- Cluster enrobing machine. W. C. Drury. 1,786,103; Dec. 23.
- Clutch. E. P. Bullard and G. F. Kolb. 1,780,222; Nov. 4.
- Clutch. C. M. Eberling. 1,765,063; June 17.
- Clutch. A. W. Frehse and C. G. Belden. 1,780,749; Nov. 4.
- Clutch. A. D. Gargolinski. 1,786,708; Dec. 30.
- Clutch. P. R. Hahnemann. 1,752,843; Apr. 1.
- Clutch. O. R. and W. G. Humphreys. 1,755,259; Apr. 22.
- Clutch. G. Jaeger. 1,777,168; Sept. 30.
- Clutch. R. W. Janda. 1,782,572; Nov. 25.
- Clutch. F. H. Jones. 1,756,428; Apr. 29.
- Clutch. W. H. Kappes. 1,754,794; Apr. 15.
- Clutch. E. H. Laabs. 1,767,593; June 24.
- Clutch. F. A. Parsons. 1,743,384; Jan. 14.
- Clutch. W. J. Pearmain. 1,760,605; May 27.
- Clutch. J. L. Peterson. 1,753,085; Apr. 1.
- Clutch. C. Schenck. 1,775,832; Sept. 16.
- Clutch. M. F. Smith and A. E. Wilkins. 1,749,516; Mar. 4.
- Clutch. C. H. Stanard. 1,770,952; July 22.
- Clutch. E. J. Vallen. 1,745,131; Jan. 28.
- Clutch. E. E. Wemp. 1,750,828; Mar. 18.
- Clutch-actuating mechanism. N. Huber. 1,772,182; Aug. 5.
- Clutch and brake-band relining machine. M. B. Wilder. 1,748,093; Feb. 25.
- Clutch and brake bands, Operating mechanism for. G. M. Harry and C. Sternberger. 1,786,749; Dec. 30.
- Clutch and change-speed mechanism, Automatic. J. L. Servon. 1,759,665; May 20.
- Clutch, Antireverse safety. D. T. Brownlee. 1,759,684; May 20.
- Clutch, Automatic. F. T. Russell. 1,766,227; June 24.
- Clutch, Automatic. H. H. Vail. 1,746,805; Feb. 11.
- Clutch, Bobbin. G. H. Magrath. 1,779,099; Oct. 21.
- Clutch cam for engine-starter drives, Manufacture of. R. J. Emmert. 1,761,712; June 3.
- Clutch, Centrifugal. A. Lowndes. 1,745,681; Feb. 4.
- Clutch check. J. Rodger. 1,764,752; June 17.
- Clutch construction. G. C. Carhart. 1,742,805; Jan. 7.
- Clutch construction. J. R. Carickhoff. 1,784,722; Dec. 9.
- Clutch construction. H. D. Church. 1,746,213; Feb. 4.
- Clutch control. R. T. Osman. 1,744,494; Jan. 21.
- Clutch control for phonographs, Automatic. A. A. Johnson. 1,778,762; Oct. 21.
- Clutch control for tractor equipment, Extension-. F. L. Young. 1,783,324; Dec. 2.
- Clutch-control mechanism, Automobile. W. J. Shells. 1,747,190; Feb. 18.
- Clutch-control system, Automobile. E. H. Lange. 1,778,220; Oct. 14.
- Clutch device. E. L. Ackerman and A. J. Zwierzina. 1,770,449; July 15.
- Clutch device, Automatic. D. R. Knapp. 1,765,983; June 24.
- Clutch, Differential. J. T. Hustvet. 1,786,492; Dec. 30.
- Clutch, Differential-action. E. E. Wemp. 1,782,158; Nov. 18.
- Clutch disk. C. Haigh. 1,744,888; Jan. 28.
- Clutch, Disk. E. A. Thompson. 1,768,346; June 24.
- Clutch, Disk friction. E. J. Desroziers. 1,756,731; Apr. 29.
- Clutch, Double automatic. J. A. Prior. 1,784,793; Dec. 9.
- Clutch, Double-end-drive reverse. R. Gerber. 1,785,548; Dec. 16.
- Clutch, Driving. J. W. Updike. 1,767,566; June 24.
- Clutch driving mechanism, Friction-. J. Katzman. 1,775,724; Sept. 16.
- Clutch driving mechanism, Friction-. K. Maier. 1,786,955; Dec. 30.

- Clutch, Elastic friction. F. G. Jacobs and J. M. M. Schmitz. 1,744,637; Jan. 21.
- Clutch, Electromagnetic. P. Forster. 1,745,413; Feb. 4.
- Clutch, Electromagnetic. C. Q. Payne. 1,756,907; Apr. 29.
- Clutch, Expanding. A. Y. Dodge. 1,746,822; Feb. 11.
- Clutch-facing material and its production. S. P. Howe. 1,757,089; May 6.
- Clutch for automobiles, Automatic. H. H. Vail. 1,743,170; Jan. 14.
- Clutch for Axminster-loom tube frames. J. Lyle. 1,786,667; Dec. 30.
- Clutch for converting reciprocal motion into rotary motion, Friction. P. E. Geldhof. 1,771,781; July 29.
- Clutch for gear sets. W. H. Schoonmaker. 1,777,479; Oct. 7.
- Clutch for motor cars, Expanding friction. W. H. McBride. 1,767,387; June 24.
- Clutch for tire conveyers, Safety. F. H. Tenney. 1,753,178; Apr. 1.
- Clutch for typewriters, Platen-roller. A. Pateman. 1,764,224; June 17.
- Clutch, Friction. G. C. Carhart. 1,742,804; Jan. 7.
- Clutch, Friction. A. A. Conway. 1,745,079; Jan. 28.
- Clutch, Friction. J. F. Daukus. 1,777,399; Oct. 7.
- Clutch, Friction. J. F. Glisch. 1,751,809; Mar. 25.
- Clutch, Friction. L. B. Green. 1,781,173; Nov. 11.
- Clutch, Friction. E. Higgins. 1,762,624; June 10.
- Clutch, Friction. E. MacCarra. 1,779,179; Oct. 21.
- Clutch, Friction. H. D. Murray. 1,775,370; Sept. 9.
- Clutch, Friction. W. J. Pearmain. 1,782,880; Nov. 25.
- Clutch, Friction. C. A. Ruesenberg. 1,748,148; Feb. 25.
- Clutch, Friction. A. Schmid. 1,777,937; Oct. 7.
- Clutch, Friction. H. W. Sweet. 1,752,039; Mar. 25.
- Clutch friction device. E. E. Wemp. 1,765,304; June 17.
- Clutch, Hydraulic. G. J. Strezynski. 1,752,862; Apr. 1.
- Clutch, Hydraulic. G. H. Walker. 1,784,212; Dec. 9.
- Clutch, Magnetic. H. A. Herr. 1,765,670; June 24.
- Clutch mechanism. L. K. Cheswright. 1,768,568; July 1.
- Clutch mechanism. J. F. Daukus. 1,774,254; Aug. 26.
- Clutch mechanism. P. A. Gollnick, J. J. Toolan and G. Harred. 1,765,527; June 24.
- Clutch mechanism. F. A. Grace. 1,746,392; Feb. 11.
- Clutch mechanism. I. Hupp. 1,756,063; Apr. 29.
- Clutch mechanism. A. M. Mears. 1,783,741; Dec. 2.
- Clutch mechanism. F. S. Miller. 1,780,241; Nov. 4.
- Clutch mechanism. A. S. Reynolds and J. N. Reynolds. 1,771,352; July 22.
- Clutch mechanism. H. A. Tuttle. 1,752,313; Apr. 1.
- Clutch mechanism. H. A. Tuttle. 1,757,027; May 6.
- Clutch mechanism, Automatic. D. A. Barnett. 1,752,937; Apr. 1.
- Clutch mechanism for power hoists. R. A. Norling. 1,781,125; Nov. 11.
- Clutch mechanism for setting threaded articles. W. D. Buss. 1,762,155; June 10.
- Clutch mechanism, Friction wire-block. S. J. Routledge. 1,748,796; Feb. 25.
- Clutch mechanism, Hydraulic. H. Boltshauser. 1,748,827; Feb. 25.
- Clutch, Multiple power. A. H. Jessen. 1,766,823; June 24.
- Clutch, Oil-pressure. B. A. Robinson. 1,774,861; Aug. 26.
- Clutch, One-revolution. F. M. Carroll. 1,761,774; June 3.
- Clutch-operating means. A. H. Wilson. 1,756,964; May 6.
- Clutch operators, Safety mechanism for. A. Hofmann. 1,776,000; Sept. 16.
- Clutch plate. H. V. Reed. 1,768,997; July 1.
- Clutch, Positive-position timing. A. R. Mason. 1,750,115; Mar. 11.
- Clutch-protecting device. C. M. Hibbets. 1,755,002; Apr. 15.
- Clutch release, Automatic. H. W. Drennan. 1,765,908; June 24.
- Clutch, Reversible. P. B. Ledwell. 1,767,933; June 24.
- Clutch-ring-shearing machine. T. H. Bateson. 1,780,259; Nov. 4.
- Clutch rings, Making compressible friction. P. J. Woods. 1,770,056; July 8.
- Clutch, Roller. W. Miller. 1,760,708-9; May 27.
- Clutch, Roller. W. Miller. 1,760,765; May 27.
- Clutch, Safety. P. Kruse. 1,764,317; June 17.
- Clutch shell and pinion assembly for engine-starter drives, Making a. W. A. Chryst. 1,761,518; June 3.
- Clutch, Spring. W. C. Starkey. 1,762,799; June 10.
- Clutch synchronizer, Double. H. J. Murray. 1,764,333; June 17.
- Clutch, Synchronizing. G. C. Carhart. 1,746,764; Feb. 11.
- Clutch, Tool. J. C. Edgecumbe. 1,777,829; Oct. 7.
- Clutch, Transmission. R. T. Wise. 1,770,290; July 8.
- Clutch transmission, Hydraulic. H. J. Kline. 1,755,182; Apr. 22.
- Clutch, Unloading. R. Carter, jr. 1,745,738; Feb. 4.
- Clutch, Vibrationless multiple-disk. E. E. Eaton. 1,757,517; May 6.
- Clutches, Fluid-actuated control for. I. Patrick. 1,743,476; Jan. 14.
- Clutches or gears, Arrangement for filling and maintaining filled hydraulic. G. Bauer, R. Wälde, and H. Kluge. 1,757,827; May 6.
- CO₂ recorder. A. B. Cunningham. 1,751,265; Mar. 18.
- Coachwork of automobile vehicles. H. L. Javal. 1,747,078; Feb. 11.
- Coagulated bodies, Dispersing. W. B. Pratt. 1,755,891; Apr. 22.
- Coal and gas furnace, Combined. L. E. Sharp. 1,754,405; Apr. 15.
- Coal and like substances, Apparatus for pulverizing. W. J. Drummond. 1,781,572; Nov. 11.
- Coal and ore washing and separating machine, Hydraulic. C. F. Richards. 1,746,557; Feb. 11.
- Coal and other minerals, Process of and apparatus for washing. A. France. 1,758,035; May 13.
- Coal and other solid carbonaceous substances, Retort for the distillation of. C. H. Parker. 1,754,693; Apr. 15.
- Coal and product thereof, Processing of. W. Runge and E. A. Packard. 1,783,982; Dec. 9.
- Coal and product thereof, Treating. E. Farley and N. R. Landon. 1,748,335; Feb. 25.
- Coal and product thereof, Treating. N. R. Landon. 1,748,384; Feb. 25.
- Coal and refuse tester. H. Morgan. 1,758,756; May 13.
- Coal and the like, Apparatus for gasifying. C. Davies, jr. 1,784,985; Dec. 16.
- Coal and the like, Method and apparatus for extracting values from. F. C. Greene and I. F. Laucks. 1,775,281; Sept. 9.
- Coal, Apparatus for breaking. W. K. Liggett. 1,763,165; June 10.
- Coal, Apparatus for carbonizing. J. Mitchell. 1,784,676; Dec. 9.
- Coal, Apparatus for mining and loading. E. C. Morgan. 1,784,156; Dec. 9.
- Coal ball and manufacturing the same. C. B. Wisner. 1,756,896; Apr. 29.
- Coal breaker. G. W. Borton. 1,744,028; Jan. 21.
- Coal breaker. G. W. Borton. 1,784,983; Dec. 16.
- Coal breaker. G. Norton. 1,763,408; June 10.
- Coal breaker. F. Pardee. 1,750,941; Mar. 18.
- Coal breaker for loading machines. J. A. Duvall. 1,772,987; Aug. 12.
- Coal-briquette machine. H. G. Layng. 1,752,644; Apr. 1.
- Coal burner, Automatic. A. Ousdahl. 1,785,456; Dec. 16.
- Coal, Carbonizing. W. E. Trent. 1,767,778; June 24.
- Coal-carbonizing apparatus for the extraction of bituminous materials. K. Bergfeld. 1,756,969; May 6.
- Coal, Carbonizing of. W. Runge. 1,775,323; Sept. 9.
- Coal carrier. H. E. Streitwieser. 1,760,793; May 27.
- Coal chutes, Safety cut-off for. M. Powell. 1,756,569; Apr. 29.
- Coal, Coking. S. W. Parr and T. E. Layng. 1,754,765; Apr. 15.
- Coal cutting and loading machine. D. Fleming. 1,770,306; July 8.
- Coal-cutting machine. E. F. Muller. 1,777,621; Oct. 7.
- Coal distributor, Pulverized. S. A. Jacques. 1,757,634; May 6.
- Coal drier. G. P. Jackson. 1,783,965; Dec. 9.
- Coal, Drying and pulverizing. W. Runge and E. A. Packard. 1,775,324; Sept. 9.
- Coal feeder, Pulverized. F. F. Frick. 1,772,802; Aug. 12.
- Coal from dirt and like foreign substances, Apparatus for separating. W. H. Berrisford. 1,780,965; Nov. 11.
- Coal furnace, Powdered. H. Van Deventer. 1,775,608; Sept. 9.
- Coal-handling apparatus. H. H. Israel and G. Trussa. 1,783,619; Dec. 2.
- Coal, Improving flowing characteristics of. W. E. Trent. 1,758,631; May 13.
- Coal in the mill, Drying. H. Kreisinger. 1,760,148; May 27.
- Coal, lignite, and like materials, Dressing. T. Franz. 1,769,217; July 1.
- Coal-loading device. J. A. O'Neil. 1,752,453; Apr. 1.
- Coal-loading machine. G. M. Crawford and J. M. London. 1,781,895; Nov. 18.
- Coal-loading machine. A. C. Wilcox. 1,752,714; Apr. 1.
- Coal, Mining. N. D. Levin. 1,770,934; July 22.
- Coal mining and loading machine, Combined. E. C. Morgan. 1,755,331; Apr. 22.
- Coal or other fuel, Apparatus for pulverizing. J. Mullin. 1,751,525; Mar. 25.
- Coal or the like, Heating. F. Puening. 1,781,079; Nov. 11.
- Coal preparation, apparatus for. G. E. Dean. 1,770,027; July 8.
- Coal separator. P. Tarone and J. Rowland. 1,787,096; Dec. 30.
- Coal spreader. T. N. Wynne. 1,759,877; May 27.
- Coal, tars, mineral oils, and the like, Valuable products from. O. Eisenhut. 1,757,454; May 6.
- Coal, Treating. E. V. Collins, jr. 1,781,102-3; Nov. 11.
- Coal-washing apparatus. A. Witzal, A. G. Rabel, and H. F. Stevens. 1,760,293; May 27.
- Coaling vessels, Device for. J. C. King. 1,773,044; Aug. 12.
- Coals, Distilling. W. E. Trent. 1,781,614; Nov. 11.
- Coaster. T. H. Sloan. Des. 80,698; Mar. 11.
- Coaster. A. S. Velchek. Des. 80,591; Feb. 25.
- Coaster, Child's. F. E. Daniel. 1,747,227; Feb. 18.
- Coasting apparatus. C. E. Morris. 1,751,096; Mar. 18.
- Coat. W. C. Knoernschild. 1,763,892; June 17.
- Coat. D. Long. Des. 80,280; Jan. 7.
- Coat. D. Long. Des. 80,382-3; Jan. 21.
- Coat. D. Long. Des. 80,422; Jan. 28.
- Coat. D. Long. Des. 80,899-900; Apr. 8.
- Coat. D. Long. Des. 80,960; Apr. 15.

- Coat. D. Long. Des. 81,494; July 1.
 Coat. D. Long. Des. 81,545; July 8.
 Coat. D. Long. Des. 82,384; Oct. 28.
 Coat. D. Long. Des. 82,840; Dec. 16.
 Coat. M. Werber. Des. 81,216; May 20.
 Coat, Apparel. A. Hessler. 1,785,029; Dec. 16.
 Coat construction. W. Gintell. 1,770,399; July 15.
 Coat, Lady's. M. Levitt. Des. 80,278; Jan. 7.
 Coat, Lady's. M. Levitt. Des. 80,537-8; Feb. 18.
 Coat, Lady's. M. Levitt. Des. 82,036-7; Sept. 16.
 Coat, Reversible hunting. H. A. Speh. 1,773,442; Aug. 19.
 Coat tree, Automobile. G. L. Newman. 1,751,417; Mar. 18.
 Coated fabric. G. E. Alling. Des. 80,352; Jan. 21.
 Coated material, Method and apparatus for treating. V. H. Wilshire. 1,759,600; May 20.
 Coated product. H. H. Hopkins. 1,771,538; July 29.
 Coating. E. C. Haines. 1,744,699; Jan. 21.
 Coating and drying apparatus. R. J. Emmert. 1,750,313; Mar. 11.
 Coating and manufacturing the same. N. J. Shields. 1,742,520; Jan. 7.
 Coating apparatus. I. C. Buckminster. 1,776,829; Sept. 30.
 Coating apparatus. E. G. Lanzi. 1,785,835; Dec. 23.
 Coating apparatus. T. Birkenmaier. 1,765,522; June 24.
 Coating apparatus. E. E. Nairme. 1,776,006; Sept. 16.
 Coating apparatus. R. K. Nash. 1,771,388; July 22.
 Coating apparatus. T. Robinson. 1,751,949; Mar. 25.
 Coating, Apparatus or tool for applying. W. B. Thompson. 1,767,822; June 24.
 Coating articles, Apparatus for. H. A. Stone. 1,764,423; June 17.
 Coating articles, particularly with metals. M. U. Schoop. 1,758,473; May 13.
 Coating articles with enamel. N. B. Ornitz. 1,762,239; June 10.
 Coating composition. A. B. Carter. 1,747,661; Feb. 18.
 Coating composition. H. J. Hain. 1,768,447; June 24.
 Coating composition. C. I. B. Henning, C. E. Burke, and E. E. Reid. 1,742,507; Jan. 7.
 Coating composition. C. I. B. Hennings, C. E. Burke, and E. E. Reid. 1,742,509; Jan. 7.
 Coating composition. R. H. Kienle and L. V. Adams. 1,783,364; Dec. 2.
 Coating composition. W. E. Lawson. 1,780,652; Nov. 4.
 Coating composition. J. V. Reardon. 1,749,923; Mar. 11.
 Coating composition and preparing the same. C. H. Siever. 1,785,367; Dec. 16.
 Coating composition, Liquid. C. Dreyfus. 1,742,587; Jan. 7.
 Coating for flame-retarding coverings and manufacturing the same. H. N. Bockus. 1,765,000; June 17.
 Coating for surfacing permanent molds. H. L. Baumgardner. 1,764,544; June 17.
 Coating for welding rods. H. R. Pennington. 1,745,267; Jan. 28.
 Coating for welding rods. W. A. Wissler. 1,764,589; June 17.
 Coating machine. L. B. Case. 1,747,104; Feb. 11.
 Coating machine. C. T. Hatch. 1,746,530; Feb. 11.
 Coating machine. C. T. Hatch. 1,756,744; Apr. 29.
 Coating machine. A. H. Kelling. 1,743,275; Jan. 14.
 Coating machine. M. T. Chamberlain. 1,783,955; Dec. 9.
 Coating machine and coating process. J. A. L. Möller. 1,772,553; Aug. 12.
 Coating material. E. C. Hall. 1,764,624-5; June 17.
 Coating material and process. J. V. Freeman. 1,775,193; Sept. 9.
 Coating material, Composite. A. I. Rankin. 1,778,727; Oct. 21.
 Coating on metal, Producing a phosphate. M. Green and V. M. Darsey. 1,735,391; Apr. 22.
 Coating process, Vacuum dispersion. W. A. F. Pfanhausser. 1,758,531; May 13.
 Coating, Protective. L. C. Jones. 1,765,676; June 24.
 Coating, Welding-rod. W. J. Hammers. 1,752,793; Apr. 1.
 Coatings on articles such as type forms and the like. Producing metallic. N. Arvidson. 1,769,363; July 1.
 Coatings on asbestos-cement-slate plates. Producing well-adhering. A. Fricke. 1,779,229; Oct. 21.
 Coatings, Producing galvanic. V. Engelhardt and K. Illig. 1,772,074; Aug. 5.
 Cobalt and iron from solutions rich in iron as obtained by lixiviating roasted pyrites. Separation of. N. E. Lenander. 1,783,046; Nov. 25.
 Cobalt cyanate with a tertiary base, Compound of. T. L. Davis. 1,750,160; Mar. 11.
 Cock and automatic lighter, Combination gas. C. A. Thekan. 1,762,038; June 3.
 Cock, Angle. F. P. Livingston. 1,786,212; Dec. 23.
 Cock, Ball. R. Martin. 1,751,046; Mar. 18.
 Cock, Ball. R. H. Mueller. 1,762,306; June 10.
 Cock, Combination stop and drain. H. F. Dyck. 1,765,139; June 17.
 Cock construction, Try-. H. W. Snyder. 1,745,125; Jan. 28.
 Cock, Cylinder drain. A. L. Brice. 1,744,357; Jan. 21.
 Cock device, Angle-. C. C. Farmer. 1,765,577-8; June 24.
 Cock device, Angle-. C. C. Farmer. 1,786,198; Dec. 23.
 Cock device, Angle-. J. C. McCune. 1,765,378; June 24.
 Cock, Gas. W. S. Chilman. 1,748,205; Feb. 25.
 Cock or faucet for fluids. N. W. Bancroft. 1,786,885; Dec. 30.
 Cock, Safety gas. C. Carmosin. 1,759,433; May 20.
 Cock, Safety gas. W. Vahl. 1,752,043; Mar. 25.
 Cock, Shut-off. H. J. Carson. 1,759,221; May 20.
 Cocks, Operating mechanism for blow-off. L. F. Wilson and J. T. McGrath. 1,769,006; July 1.
 Cocks, Sealing device for. C. A. Caldwell. 1,780,994; Nov. 11.
 Cocoa-cooling apparatus. W. Wain. 1,765,037; June 17.
 Cocoa liquor from cocoa nibs and the like, Apparatus for producing refined. W. E. Prescott. 1,758,804; May 13.
 Coconut fibers for spinning and weaving. Preparation of. B. G. H. van der Jagt. 1,779,505; Oct. 28.
 Cod liver oil, Preparing concentrated. K. Kawai. 1,753,790; Apr. 8.
 Cod-liver oil, Treating. J. C. Hamilton, B. H. Thurman, and L. G. Copes. 1,745,851; Feb. 4.
 Code register. L. Degen. 1,779,664; Oct. 28.
 Code transmitter receiver. C. F. Jenkins. 1,763,358; June 10.
 Coding and decoding, Apparatus for selective verbatim. H. R. Barnett. 1,749,933; Mar. 11.
 Coding machine. A. von Kryha. 1,744,347; Jan. 21.
 Coffee, Apparatus for treating. R. D. Gilmore. 1,773,529; Aug. 19.
 Coffee-brewing apparatus. E. Aborn. 1,762,208; June 10.
 Coffee dripper. W. K. Kise. 1,748,135; Feb. 25.
 Coffee extraction. E. Aborn. 1,762,209; June 10.
 Coffee-machine set, Express. A. Torriani. 1,750,068; Mar. 11.
 Coffee maker. R. N. Kircher. Des. 81,491; July 1.
 Coffee maker, Drip-. R. F. Krause. 1,743,925; Jan. 14.
 Coffee maker, Drip-. R. F. Krause. 1,761,633; June 3.
 Coffee maker or like article. C. A. Schallis and C. W. Dann. Des. 82,208; Sept. 30.
 Coffee-making apparatus. T. C. Miller. 1,767,544; June 24.
 Coffee-making apparatus. I. D. Richheimer. 1,763,863; June 17.
 Coffee-making device. J. D. Houck. 1,780,751; Nov. 4.
 Coffee-making machine. H. L. Lambert. 1,774,980; Sept. 2.
 Coffee mill. W. W. Dryden and W. F. Stimpson. 1,769,776; July 1.
 Coffee mill. J. Hertz. 1,760,755; May 27.
 Coffee-pot. C. G. Bordeaux. 1,756,725; Apr. 29.
 Coffee-pot. C. M. Conrad. 1,745,605; Feb. 4.
 Coffee-pot. T. S. Ford. 1,743,033; Jan. 7.
 Coffee-pot. E. P. McClure. 1,761,354; June 3.
 Coffee-pot construction. E. Aborn. 1,762,207; June 10.
 Coffee-pot handle, Adaptable. H. L. Winkie. 1,769,668; July 1.
 Coffee product and making same. J. L. Kopf. 1,762,690; June 10.
 Coffee roaster. A. Idonas and J. C. Potter. 1,764,872; Apr. 8.
 Coffee roaster. J. D. Weathersby. 1,742,978; Jan. 7.
 Coffee-roasting machine. J. F. Quinn. 1,759,955; May 27.
 Coffee, Soluble. E. Klein. 1,742,261; Jan. 7.
 Coffee steeper. G. I. Green. 1,756,460; Apr. 29.
 Coffee table. H. C. Brown. Des. 82,658; Dec. 2.
 Coffee, tea, and the like, Apparatus for infusing. E. N. Wermine. 1,763,114; June 10.
 Coffin dam and method of construction. W. S. Monroe. 1,757,722; May 6.
 Coffin-lowering device. H. J. Cordonnier and C. H. Ziller. 1,780,700; Nov. 4.
 Coil, Adjustable inductance. F. J. Given. 1,753,337; Apr. 8.
 Coil and making the same. F. S. McCullough. 1,777,571; Oct. 7.
 Coil and switch unit. H. E. Norviel. 1,776,933; June 24.
 Coil and transformer and making same, Electric. H. H. Bachelder. 1,767,956; June 24.
 Coil case, Loading-. A. H. Falk. 1,768,240; June 24.
 Coil conveyor. L. Johnson. 1,779,381; Oct. 21.
 Coil, Choke. A. B. Dibner. 1,786,604; Dec. 30.
 Coil, Electrode-cooling. E. Lunn. 1,744,399; Jan. 21.
 Coil for composite sets, Retardation. E. L. Schwartz and A. J. Williams, jr. 1,762,744; June 10.
 Coil for electrical transformers. J. Roothaan. 1,747,953; Feb. 18.
 Coil-forming die. J. W. Greenbowe. 1,745,928; Feb. 4.
 Coil-handling apparatus. F. P. Dahlstrom. 1,762,289; Apr. 1.
 Coil header for iceless refrigerators, Cooling-. W. G. Gibson. 1,777,842; Oct. 7.
 Coil, Heater. C. C. McDermott. 1,753,296; Apr. 8.
 Coil, Induction. C. F. Reis. 1,775,600; Sept. 9.
 Coil, Rectance. F. J. Zamboni. 1,750,149; Mar. 11.
 Coil, Rectifier choke. H. Andrewes. 1,774,822; Sept. 2.
 Coil retainers, Forming. L. E. Koos. 1,743,553; Jan. 14.
 Coil, Shading. L. C. Frank. 1,768,950; July 1.
 Coil superheater for stationary boilers, Double-. T. Love. 1,775,962; Sept. 16.
 Coil switch, Disconnecting choke-. L. P. Roll and A. C. and J. C. Sanderson. 1,751,835; Mar. 25.
 Coil system and coupling apparatus. L. L. Jones. 1,773,144; Aug. 19.
 Coil system, Retardation-. H. Whittle. 1,753,325; Apr. 8.
 Coil, Water-heating. T. J. Johnston. 1,768,069; June 24.
 Coiled material, Apparatus for transferring. L. Johnson. Hansen, jr. 1,760,895; June 3.

- Coiled spring. M. Stubnitz. 1,756,669; Apr. 29.
Coiled springs, Apparatus for compressing and assembling. H. Chapman. 1,774,545; Sept. 2.
Coiler and assembler, Helical. F. M. Forbes. 1,762,167; June 10.
Coiling device. G. B. Higgins. 1,785,518; Dec. 16.
Coiling machine. C. D. Dallas. 1,767,835; June 24.
Coiling machine. C. D. Dallas. 1,779,115; Oct. 21.
Coiling machine for fine wire. G. Illingworth. 1,771,927; July 29.
Coils, Method of and apparatus for making. R. F. Sedgley. 1,777,900; Oct. 7.
Coils, Producing electric. M. Barnum. 1,751,971; Mar. 25.
Coils, Shell for water-heating. A. L. Leitch. 1,746,085; June 10.
Coin-actuated mechanism. B. L. Fry. 1,761,784-5; June 3.
Coin-actuated mechanism. H. L. Kiser. 1,758,748; May 13.
Coin assorter. A. Godefroid. 1,780,819; Nov. 4.
Coin assorter. E. P. Donnellan. 1,749,421; Mar. 4.
Coin box. G. A. Wickert, jr. 1,762,458; June 10.
Coin-box device. E. W. Niles and W. H. Edwards. 1,754,238; Apr. 15.
Coin-changing device. C. E. Chalmers. 1,771,873; July 29.
Coin-collecting apparatus. M. Auteri. 1,785,994; Dec. 23.
Coin-collection apparatus. J. M. Melick. 1,757,464; May 6.
Coin-collection apparatus. C. H. Wheeler. 1,747,199; Feb. 18.
Coin control. G. E. Nicholson. 1,773,632; Aug. 19.
Coin-control device. C. L. Hill. 1,779,433; Oct. 28.
Coin-controlled apparatus. H. J. Dolman. 1,747,865; Feb. 18.
Coin-controlled apparatus. L. F. Hehn. 1,763,045; June 10.
Coin-controlled apparatus. G. K. Thompson. 1,776,301; Sept. 23.
Coin-controlled apparatus. A. L. Zent. 1,782,250; Nov. 18.
Coin-controlled device. T. S. Poole. 1,757,921; May 6.
Coin-controlled dispensing machine. J. Kappelly. 1,774,890; Sept. 2.
Coin-controlled lock. A. Gabriel. 1,751,144; Mar. 18.
Coin-controlled lock. H. L. Neer. 1,772,959; Aug. 12.
Coin-controlled mechanism. L. Kaplan and G. Weiss. 1,775,129; Sept. 9.
Coin-controlled mechanism. L. H. Morin. 1,751,246; Mar. 18.
Coin-controlled mechanism. C. W. Nixon. 1,753,087; Feb. 4.
Coin-controlled mechanism. W. H. Rowe. 1,756,388; Apr. 29.
Coin-controlled mechanism. G. Weiss. 1,767,635; June 24.
Coin-controlled mechanism. G. F. Hochriem. 1,786,014; Dec. 23.
Coin-controlled mechanism. R. P. Norton. 1,784,249; Dec. 9.
Coin-controlled mechanism. J. A. and A. L. Williamson. 1,765,253; June 17.
Coin-controlled release for mechanisms. W. A. Tratsch. 1,766,203; June 24.
Coin-controlled switch. L. D. Slusser. 1,784,079; Dec. 9.
Coin-controlled timing device for electrically-actuated refrigerators and like machines. R. Sause. 1,762,354; June 10.
Coin-counting machine. C. E. Peterson. 1,758,057; May 13.
Coin depository. H. Walker. 1,786,466; Dec. 30.
Coin handler. W. C. Bower. 1,751,615; Mar. 25.
Coin holding and delivering device. S. Khalil. 1,746,398; Feb. 11.
Coin-in-the-slot machine. W. H. Beddard. 1,753,197; Apr. 8.
Coin machines, Game attachment for. H. H. Hoke, jr. 1,756,861; Apr. 29.
Coin mechanism for coin-controlling vending machines. A. M. Cramer. 1,758,652; May 13.
Coin-operated machines, Control device for. F. L. Mills. 1,767,603; June 24.
Coin-operated switch, Electric. W. H. Ruther. 1,762,892; June 10.
Coin runway. E. J. Brandt. 1,747,752; Feb. 18.
Coin selector. J. E. Olvis. 1,750,686; Mar. 18.
Coin slot for coin-freed mechanisms. L. C. Bradley. 1,771,952; July 29.
Coin-slot guard. W. Rabkin. 1,755,270; Apr. 22.
Coin-testing apparatus. T. W. Milton. 1,780,031; Oct. 28.
Coin-tripped starting mechanism. C. P. Wicks. 1,763,285; June 10.
Coins, Mechanism for receiving and weighing. M. Wolnik. 1,782,249; Nov. 18.
Coins, Testing. F. H. Brinkerhoff. 1,760,579; May 27.
Coincidental lock. W. J. Davidson and L. Blackmore. 1,746,214; Feb. 4.
Coincidental lock. E. V. Rippingille. 1,749,736; Mar. 4.
Coke and apparatus therefor, Producing. H. Koppers. 1,758,524; May 13.
Coke and ash discharging apparatus. H. H. Wonnig. 1,768,945; July 1.
Coke and coal or the like, Apparatus and method of transferring. H. Adams. 1,784,650; Dec. 9.
Coke and producing the same. A. H. White. 1,782,556; Nov. 25.
Coke-plant machinery. E. W. Schellentrager. 1,769,236; July 1.
Coke product, Powdered. W. Runge. 1,783,983; Dec. 9.
Coking. H. G. Jennison and C. R. Faben. 1,749,138; Mar. 4.
Coking process and product, Pitch-. J. Becker. 1,756,234; Apr. 29.
Collapsible box. F. H. Lock and W. H. Whitlow. 1,769,378; July 1.
Collapsible box. N. Neuman. 1,743,681; Jan. 14.
Collapsible box. M. Sherman. 1,745,317; Jan. 28.
Collapsible box, Metal. C. Flagstad. 1,769,019; July 1.
Collapsible and reducing box. G. W. Paris. 1,751,755; Mar. 25.
Collapsible case. C. J. Abelson. 1,771,156; July 22.
Collapsible case. W. W. Machemer. 1,748,024; Feb. 18.
Collapsible chair. W. J. Bauer. 1,756,421; Apr. 29.
Collapsible chair. W. J. Bauer. 1,786,473; Dec. 30.
Collapsible post. L. Joubert. 1,782,168; Nov. 18.
Collapsible table. W. J. Bauer. 1,783,556; Dec. 2.
Collapsible tube. W. P. Holzmark. 1,776,387; Sept. 23.
Collapsible tube. F. J. Lynch. Des. 82,640; Nov. 25.
Collapsible table. A. McGall. 1,759,199; May 20.
Collapsible tube. R. J. Rader. 1,779,216; Oct. 21.
Collapsible tube. W. V. Roos. 1,753,665; Apr. 8.
Collapsible tube. W. C. Ude. 1,782,980; Nov. 25.
Collar. M. A. Boix. 1,751,027; Mar. 18.
Collar. J. N. Collings. 1,782,000; Nov. 18.
Collar. M. I. Halperin. 1,757,861; May 6.
Collar. R. Hunter. 1,752,796; Apr. 1.
Collar. W. A. Pusey. 1,757,057; May 6.
Collar and cuff. E. C. Larson. 1,787,113; Dec. 30.
Collar and oiler, Retaining. W. H. Pettit. 1,771,937; July 29.
Collar and the like. S. G. Payne. 1,766,259; June 24.
Collar, Apparel. H. F. Waters. 1,777,421; Oct. 7.
Collar can, Interior. M. E. Widell. 1,754,449; Apr. 15.
Collar can, Internal. J. M. Young. 1,770,378; July 15.
Collar case, Soft-. G. Wordingham. 1,774,782; Sept. 2.
Collar clasp. A. A. MacDonald. 1,753,832; Apr. 8.
Collar, Fold. R. J. Thompson. 1,782,913; Nov. 25.
Collar, Fold-over. R. O. Kennedy and L. P. Madsen. 1,742,816; Jan. 7.
Collar, Gardenia. L. Schmidt. 1,744,083; Jan. 21.
Collar pin. J. E. Krash. 1,780,084; Oct. 28.
Collar protector. E. T. Villaseñor. 1,768,384; June 24.
Collar, Sanitary frostproof. D. B. Reese. 1,767,616; June 24.
Collar, Shirt. H. Bezner. 1,782,336; Nov. 18.
Collar, Soft. Hillman. 1,758,224; May 13.
Collar, Soft. J. Hillman. 1,786,535; Dec. 30.
Collar, Soft. G. Jacoby. 1,756,752; Apr. 29.
Collar, Soft. I. Marinsky. 1,742,997; Jan. 7.
Collar stiffener. J. Oppermann. 1,751,655; Mar. 25.
Collar stiffener, Shirt-. J. H. Janowitch. Re17,885; Nov. 25.
Collar, Tie-slip. J. Greenwald. 1,771,254; July 22.
Collar, Waterproof. E. P. Parsons. 1,756,990; May 6.
Collection apparatus, Coin-. F. A. Hoyt. 1,747,244; Feb. 18.
Collection device. H. C. Thompson. 1,743,986; Jan. 14.
Collating table. H. J. Stewart. 1,751,895; Mar. 25.
Collecting cup. E. M. Voigt. 1,742,331; Jan. 7.
Collector, Dust. W. G. Clark. 1,753,502; Apr. 8.
Collector for finely-divided solids. I. S. and O. E. Merrell. 1,760,764; May 27.
Collector for hoisting apparatus, Current. E. R. Jones. 1,752,182; Mar. 25.
Collector or separator, Dust. J. Whitmore. 1,753,490; Apr. 8.
Collector, Refuse. H. C. Lima. 1,755,547; Apr. 22.
Collet, Stock-feeding. A. Naert. 1,772,362; Aug. 5.
Collets, Making. H. L. Cook. 1,743,116; Jan. 14.
Colloidal atomizations, Method and apparatus for creating. J. E. Shepherd. 1,748,248; Feb. 25.
Colloidal substances, Treating aqueously-dispersed. A. Biddle. 1,762,153; June 10.
Colloids, Hardening. A. Miller. 1,763,533; June 10.
Colloids, Treating. A. M. Herbsman. 1,783,471; Dec. 2.
Colon-therapy apparatus. M. H. Kowan. 1,774,979; Sept. 2.
Color-combination speed indicator for vehicles. E. Van Reeth. 1,771,237; July 22.
Colored-facsimile system. F. G. Morehouse. 1,779,261; Oct. 21.
Color fountain for block printing machines. W. F. Kaufman. 1,756,200; Apr. 29.
Color from rosin, Removing. W. B. Logan. 1,782,267; Nov. 18.
Color guide. W. J. Miskella. 1,764,083; June 17.
Color, Increasing the chroma of a. W. J. Whiting. 1,768,813; July 1.
Color lakes from petroleum, Manufacturing. G. Alleman. 1,781,772; Nov. 18.
Color lakes, Manufacture of. L. Rudolf and B. Zschimmer. 1,776,931; Sept. 30.
Color-light signal. S. M. Day. 1,785,694; Dec. 16.
Color mixer. C. L. Dawson. 1,744,449; Jan. 21.

- Color music or other spectacular luminous effects, Apparatus for producing. A. B. Hector. 1,783,789; Dec. 2.
- Color of cooked products, Regulation of the. P. C. Gardiner. 1,774,433; Aug. 26.
- Color printing and color photography, Securing accurate color values in. C. Blecher. 1,785,997; Dec. 23.
- Color screen. C. Alstrup and V. Jensen. 1,757,852; May 6.
- Color-slide control for multicolor magazines. A. A. Gordon. 1,786,711; Dec. 30.
- Color transparencies, Correction of. R. J. Pomeroy. 1,776,269; Sept. 23.
- Colorimeter. F. Twyman and J. Perry. 1,775,148; Sept. 9.
- Coloring agent for fabrics and making same. A. Picareff. 1,780,314; Nov. 4.
- Coloring, Butter. K. J. Monrad. 1,786,256; Dec. 23.
- Coloring material for oleomargarine, butter, and the like. J. Schaub. 1,783,154; Nov. 25.
- Coloring matter, Manufacture of a black. S. Kislitzin. 1,774,202; Aug. 26.
- Coloring matter of the anthracene series. I. Gubelmann, R. J. Goodrich and W. Dettwyler. 1,787,069; Dec. 30.
- Coloring matter of the dibenzanthrone series, Preparing. I. Gubelmann, R. J. Goodrich, and E. T. Howell. 1,761,624; June 3.
- Coloring mineral granules. H. C. Fisher. 1,766,892; June 24.
- Colter. L. L. Fojtik. 1,765,143; June 17.
- Column. E. W. Riemenschneider. 1,776,690; Sept. 23.
- Column. C. B. Schneible. 1,783,813; Dec. 2.
- Column. H. H. Sears. 1,742,223; Jan. 7.
- Column clamp. M. A. Eklof. 1,778,715; Oct. 21.
- Column connection. H. H. Moss. 1,774,286; Aug. 26.
- Columns, Cap for building. G. H. Dean. 1,784,091-2; Dec. 9.
- Columns, Forming plastic. E. B. Dowd. 1,756,541; Apr. 29.
- Comb: See—
- Liquid-dispensing comb. Machine comb.
- Comb. A. D. McKellar. 1,780,206; Nov. 4.
- Comb. H. J. Ries. 1,760,778; May 27.
- Comb and glove therefor. S. W. Whitney. 1,760,928; June 3.
- Comb brushes to dabber feet, Adjustably attaching worsted. A. Hey. 1,743,671; Jan. 14.
- Comb cleaner. N. Fulton. 1,745,669; Feb. 4.
- Comb-cleaning device. H. L. Feasel. 1,773,393; Aug. 19.
- Comb clip, Pocket. F. D. Perry. 1,786,674; Dec. 30.
- Combination case. L. G. Stanley. 1,758,297; May 13.
- Combination hanger. S. E. Livingston. Des. 82,948; Dec. 30.
- Combination hook. L. Haubert. 1,758,744; May 13.
- Combination implement. S. J. Brutofski, J. Armstrong, and L. Shermak. 1,767,232; June 24.
- Combination lock. S. de Castro e Iznaga. 1,744,707; Jan. 21.
- Combination lock. J. J. Fitzsimmons. 1,771,080; July 22.
- Combination lock. M. V. Perez and P. Rambaud. 1,778,603; Oct. 14.
- Combining machine. R. C. Sundberg. 1,778,873; Oct. 21.
- Combs, Device for holding. H. Weisner. 1,785,753; Dec. 23.
- Combustible. S. S. P. Meek. 1,756,255; Apr. 29.
- Combustible, Liquid. C. A. Buerk. 1,766,501; June 24.
- Combustible material from its associated noncombustible material, Separation of. W. L. Remick. 1,767,400; June 24.
- Combustible mixture and preparing the same. J. Thiecke. 1,766,269; June 24.
- Combustion. T. W. Gruetter. 1,747,771; Feb. 18.
- Combustion and steam generation. V. Z. Caracristi. 1,772,276; Aug. 5.
- Combustion apparatus. K. A. Mayr. 1,777,411; Oct. 7.
- Combustion apparatus. G. D. Sundstrand. 1,747,333; Feb. 18.
- Combustion apparatus. H. Taylor. 1,751,498; Mar. 25.
- Combustion chamber. H. B. Cannon. 1,752,518; Apr. 1.
- Combustion chamber. W. B. Earnshaw and R. N. Jane-way. 1,749,327; Mar. 4.
- Combustion chamber. C. E. Hawks. 1,785,583; Dec. 16.
- Combustion control. H. B. Barber. 1,770,059; July 8.
- Combustion control. G. Simmons. 1,779,513; Oct. 28.
- Combustion control apparatus. W. J. Crowell, jr. 1,766,980; June 24.
- Combustion-control apparatus. T. A. Peebles. 1,787,407; Dec. 30.
- Combustion device. E. W. Pelster. 1,785,046; Dec. 16.
- Combustion engine. J. Barletta. 1,750,918; Mar. 18.
- Combustion engine. W. Riehm. 1,758,374; May 13.
- Combustion engines, Smoke clarifiers for. C. G. Hawley. 1,743,343; Jan. 14.
- Combustion in fuel burners, Apparatus for improving. J. G. Dudley. 1,747,229; Feb. 18.
- Combustion in internal combustion engines, Apparatus for control of. A. Moore. 1,766,674; June 24.
- Combustion motor. C. W. Kelsey. 1,778,156; Oct. 14.
- Combustion motor, Multicylinder. J. Brons. 1,759,776; May 20.
- Combustion power engine. F. Lang. 1,759,160; May 20.
- Combustion, Preventing spontaneous. E. C. Pitman. 1,782,126; Nov. 18.
- Comestibles with smoke, Treatment of. H. F. Taylor. 1,760,091; May 27.
- Comforter. J. May. Des. 81,101-2; May 6.
- Comminuted matter, Apparatus for separating. R. Anderson. 1,758,422; May 13.
- Comminuting material, Process of and apparatus for. R. C. Newhouse. 1,748,920; Feb. 25.
- Comminuting materials, Apparatus for. C. H. Birch. 1,762,381; June 10.
- Commode, Sanitary. W. T. Burkett and G. W. Humphries. 1,743,079; Jan. 7.
- Commode seat. H. L. Broadfoot. 1,777,194; Sept. 30.
- Communication, Establishing. H. F. Jorgensen. 1,751,159; Mar. 18.
- Communication of intelligence. D. J. Stewart. 1,744,992; Jan. 28.
- Communication system. E. F. Carter. 1,761,776; June 3.
- Communication system. J. W. Horton. 1,780,921; Nov. 11.
- Communication system. L. J. Sivian. 1,763,194; June 10.
- Communication system. R. W. Osborne. 1,785,972; Dec. 23.
- Communication, System and method of. J. H. Hammond, jr. 1,785,307; Dec. 16.
- Communication system, High-frequency. S. A. Clark. 1,773,613; Aug. 19.
- Communication system, High-frequency. R. K. Potter. 1,758,058; May 13.
- Communion service. J. H. Davis. 1,778,888; Oct. 21.
- Communiting mechanism, Frictionless. D. R. Price. 1,770,804; July 15.
- Commutator. C. Aalborg. 1,778,820; Oct. 21.
- Commutator. A. G. Blair. 1,772,477; Aug. 12.
- Commutator. J. M. Cunningham. 1,757,112; May 6.
- Commutator. A. Schmid. 1,757,393; May 6.
- Commutator. H. Weichsel. 1,783,371; Dec. 2.
- Commutator accessory. W. Mataya. 1,781,551; Nov. 11.
- Commutator and making same. L. Bonsieur. Re17,801; Sept. 16.
- Commutator-assembly apparatus. L. T. Frederick. 1,759,500; May 20.
- Commutator-assembly mechanism. L. T. Frederick. 1,759,501; May 20.
- Commutator cleanser. K. Briel. 1,750,990; Mar. 18.
- Commutator controlling device for printing tabulators. G. F. Daly. 1,772,211; Aug. 5.
- Commutator motor, Alternating-current. I. Schigyo. 1,773,633; Aug. 19.
- Commutator noises in radios, Preventing. E. G. Gage. 1,754,622; Apr. 15.
- Commutator-rocking device. C. C. Whittaker. 1,764,376; June 17.
- Commutators, Making. V. G. Apple. 1,768,654; July 1.
- Compact. E. W. Bassett. 1,780,736; Nov. 4.
- Compact. F. Deman. 1,743,120; Jan. 14.
- Compact. W. Poranski. 1,748,727; Feb. 25.
- Compact and mirror, Combination wrist. O. E. Gebauer. Des. 81,132; May 13.
- Compact or container with holder. C. E. Bashe and E. F. O'Neill. 1,777,543; Oct. 7.
- Compact or similar article. F. B. Miller. Des. 82,718; Dec. 2.
- Compact pan for vanity cases. C. N. Coryell. 1,742,342; Jan. 7.
- Compact, Toilet. F. B. Salomon. 1,749,445; Mar. 4.
- Compact, Vanity. J. C. Anderson. 1,746,810; Feb. 11.
- Compact, Vanity-case. J. T. Scully. 1,774,903; Sept. 2.
- Compacting mechanism. J. C. Pelton. 1,784,385; Dec. 9.
- Compacts, Method and apparatus for finishing. C. E. Roberts and J. H. Helfrich. 1,775,602; Sept. 9.
- Compasscope. I. Fisher. 1,755,596; Apr. 22.
- Comparators, Cradle carriage for. J. Hartness. 1,745,537; Feb. 4.
- Compartment can. J. M. Hothersall. 1,757,192; May 6.
- Compartment pan. E. F. Ahearn. 1,752,137; Mar. 25.
- Compass. F. G. Senter. 1,754,055; Apr. 8.
- Compass. J. D. Tear. 1,774,458-9; Aug. 26.
- Compass. E. P. G. Wunsch. 1,778,303; Oct. 14.
- Compass, Constant-period. W. R. Hight and L. Wainwright. 1,780,014; Oct. 28.
- Compass direction controller. M. M. Titterington. 1,770,246; July 8.
- Compass, Drafting. V. L. Bell. 1,779,725; Oct. 28.
- Compass, Earth inductor. M. M. Titterington. 1,770,245; July 8.
- Compass generator, Inductor-. M. M. Titterington. 1,770,247; July 8.
- Compass, Gyroscopic. P. R. Bassett. 1,749,059; Mar. 4.
- Compass, Gyroscopic. S. G. Brown. 1,777,601; Oct. 7.
- Compass, Gyroscope. L. F. Carter. 1,744,068; Jan. 21.
- Compass, Gyroscopic. J. B. Henderson. 1,746,832; Feb. 11.
- Compasses, Change of course detector for. E. C. Sparling. 1,751,110; Mar. 18.
- Compasses, Damping gyroscopic. H. L. Tanner. 1,765,548; June 24.
- Compass, Gyroscopic. H. H. Thompson. 1,773,411-12; Aug. 19.
- Compass indicator, Time-controlled. W. I. McLaughlin. 1,782,474; Nov. 25.
- Compass or similar article. J. H. Fischer. Des. 82,807; Dec. 16.
- Compass, Rotary coil. M. M. Titterington. 1,770,243; July 8.

- Compensated paralleling system. P. Thomas. 1,763,276; June 10.
- Compensating asynchronous machine, Self-exciting. J. L. Matabon and C. M. Foucault. 1,751,937; Mar. 25.
- Compensating center. E. E. Schnelle. 1,742,451; Jan. 7.
- Compensator device. R. M. Cutts. 1,773,260; Aug. 19.
- Compensating division sheet. T. E. Brewster. 1,783,777 Dec. 2.
- Compensating switch. H. Rowntree. 1,784,883; Dec. 16.
- Compensating system. L. Y. Spear. 1,764,904; June 17.
- Compensator for brush resistance voltage drop in motor-control systems. H. Sundhaussern. 1,783,527; Dec. 2.
- Components from pine oil, Separating certain. I. W. Humphrey. 1,772,546; Aug. 12.
- Composing stick. L. H. Gilbert. 1,747,703; Feb. 18.
- Composite glass, Apparatus for making. J. H. Fox and W. Owen. 1,754,853; Apr. 15.
- Composite material for containers. L. G. Lange. 1,779,884; Oct. 28.
- Composite product and making same. H. Gray. 1,774,324; Aug. 26.
- Composite structure. F. G. Okie. Re17,584; Feb. 4.
- Composite structure. B. Teleki. 1,781,203; Nov. 11.
- Composition. R. Q. McGregor. 1,779,183; Oct. 21.
- Composition. C. T. Riley. 1,756,762; Apr. 29.
- Composition article, Molded. H. D. Geyer. 1,750,302; Mar. 11.
- Composition and method and steps for making and using the same. M. T. Harvey. 1,771,786; July 29.
- Composition containing cellulose esters. J. G. Davidson. 1,770,153; July 8.
- Composition blanks, Making. W. J. Gaven. 1,765,719; June 24.
- Composition block. G. F. A. Ochs. 1,760,713; May 27.
- Composition board. L. Kirschbraun. 1,765,839; June 24.
- Composition boards and the like and apparatus therefor, Making. W. H. Mason. 1,767,539; June 24.
- Composition for building materials and producing the same. F. Patee. 1,775,621; Sept. 9.
- Composition for cleaning glass windows. F. Diebold and O. Friedeberg. 1,764,392; June 17.
- Composition construction or heat-insulating material. W. K. Nelson. 1,748,614; Feb. 25.
- Composition constructional unit. A. C. Fischer. 1,743,765; Jan. 14.
- Composition containing chlor rubber. C. Ellis. 1,750,583; Mar. 11.
- Composition for coating vitreous articles. A. M. Hageman and A. F. Lindstrom. 1,752,792; Apr. 1.
- Composition for dentures. S. E. Noyes. 1,784,250; Dec. 9.
- Composition for laundry bluing. T. Gervaise. 1,775,195; Sept. 9.
- Composition for oilless bearings and producing same. J. O. Carrey. 1,764,094; June 17.
- Composition for purifying exhaust gases. S. Caplan. 1,771,396; July 29.
- Composition for the purification of gases. A. Joseph. 1,775,366; Sept. 9.
- Composition for repelling insects. D. H. Grant. 1,755,178; Apr. 22.
- Composition for soldering aluminum ware. F. L. Benedetti. 1,758,348; May 13.
- Composition for soldering metals. K. Geisel. 1,761,116; June 3.
- Composition for use in the manufacture of rubber and the like. C. O. North. 1,787,258; Dec. 30.
- Composition, Moldable. A. Hoche. 1,753,010; Apr. 1.
- Composition of liquid dispersions or emulsions, Maintaining uniformity in. P. Klein. 1,777,646; Oct. 7.
- Composition material for sound transmitters. O. R. Platter and J. T. Ball. 1,778,164; Oct. 14.
- Composition of matter. E. G. Bailey. 1,771,605; July 29.
- Composition of matter. F. J. Buck. 1,776,749; Sept. 23.
- Composition of matter. A. C. Fischer. 1,770,360; July 8.
- Composition of matter. P. T. Hannen and H. D. Bruce. 1,744,116; Jan. 21.
- Composition of matter. H. E. Malone and R. W. Pryor. 1,765,597; June 24.
- Composition of matter. L. Morris. 1,781,730; Nov. 18.
- Composition of matter. W. H. Test. 1,760,922; June 3.
- Composition of matter. J. S. Thompson. 1,761,057; June 3.
- Composition of matter and employing same. C. M. Carson. 1,750,460; Mar. 11.
- Composition of matter and forming same. M. Darrin. Re17,867; Nov. 11.
- Composition of matter and its preparation. F. S. Malm. 1,752,531; Apr. 1.
- Composition of matter and producing same. M. Wreschner and L. F. Loeb. 1,752,826; Apr. 1.
- Composition of matter and producing the same. J. F. Walsh. 1,772,529; Aug. 12.
- Composition of matter for coloring flames. H. G. Tanner. 1,750,371; Mar. 11.
- Composition of matter for use in building construction. H. F. Winkelmann. 1,743,744; Jan. 14.
- Composition of matter for use as a building material. F. W. Jolitz. 1,772,149; Aug. 5.
- Composition of vegetable food and making the same. E. H. Miles and G. Reilly. 1,775,966; Sept. 16.
- Compositions containing compounds of alginic acid and product thereof, Producing. L. L. Burgess. 1,782,887; Nov. 25.
- Compositions, especially those resembling rubber, Artificial. W. Frankfurter and C. Steigerwald. 1,756,943; May 6.
- Compositor's stick. F. A. Kessler. 1,769,347; July 1.
- Compost-distributing machine. J. MacGregor. 1,778,115; Oct. 14.
- Compound, Cleaning and polishing. G. O. Pierce. 1,774,665; Sept. 2.
- Compound, Coating. S. I. Charlesworth and A. W. Harris. 1,782,341; Nov. 18.
- Compound for cleaning. C. G. Chevalier. 1,749,317; Mar. 4.
- Compound for filling recesses in metal castings and the like. Z. M. Marr. 1,749,541; Mar. 4.
- Compound for mixing with cements and making the same. R. Buhman. 1,781,267; Nov. 11.
- Compound for use as insecticides, ovicides, and antiparasitics. F. F. Lindstadt. 1,776,862; Sept. 30.
- Compound from indene and phenols. L. Rosenthal and W. Kropp. 1,754,052; Apr. 8.
- Compound hook. C. W. Bliss. 1,749,871; Mar. 11.
- Compound lining machine. J. M. Hotherhall. 1,774,010; Aug. 26.
- Compound of the pyrazolanthrone series and making same. H. Scheyer. 1,781,248; Nov. 11.
- Compound, Pickling. P. J. Cole and C. Banta. 1,759,840; May 27.
- Compound, Polishing. C. Bauersachs. 1,774,221; Aug. 26.
- Compound slips. R. A. Wilson and C. S. Crickmer. 1,753,543; Apr. 8.
- Compounds and of azo dyes therefrom, Manufacture of new intermediate. M. Mendoza. 1,766,949; June 24.
- Compounds containing active oxygen, Electrolytic manufacture of. O. Nitzschke and E. Noack. 1,766,722; June 24.
- Compounds of ortho-hydroxy-azo-perimidine dyestuffs, Heavy metal complex. W. Hentrich and L. Zeh. 1,746,940; Feb. 11.
- Compounds of the thiazolic series and making same. New. H. P. Kaufmann and M. Schubert. 1,787,315; Dec. 30.
- Compounds of the thiazolic series. New. H. P. Kaufmann and M. Schubert. 1,787,316; Dec. 30.
- Compressed-fluid machine. E. Brown. 1,746,990; Feb. 11.
- Compressing machine. L. H. Bailey. Re17,842; Oct. 21.
- Compressing machine. L. H. Bailey. 1,768,500; June 24.
- Compressing machine. L. E. Endsley and E. V. Corff. 1,753,238; Apr. 8.
- Compressing machine. F. J. Stokes. 1,786,637; Dec. 30.
- Compression brake. L. D. Brueckel. 1,752,229; Mar. 25.
- Compression engine, Constant-. A. C. Peterson. 1,760,083; May 27.
- Compressor. B. S. Aikman. 1,773,717; Aug. 26.
- Compressor. A. J. Asmussen. 1,785,853; Dec. 23.
- Compressor. O. Carlson. 1,776,678; Sept. 23.
- Compressor. N. A. Christensen. 1,780,642; Nov. 4.
- Compressor. H. A. Greenwald. 1,757,997; May 13.
- Compressor. L. Hayart. 1,758,601; May 13.
- Compressor. D. P. Heath. 1,764,953; June 17.
- Compressor. E. A. Hobart. 1,771,889; July 29.
- Compressor. E. A. Hobart. 1,786,242; Dec. 23.
- Compressor. R. L. King. 1,752,093; Mar. 25.
- Compressor. S. W. Luitwieler. 1,775,286; Sept. 9.
- Compressor. T. I. Potter. 1,778,962; Oct. 21.
- Compressor. D. M. Putnam. 1,747,457; Feb. 18.
- Compressor. C. C. Spreen. 1,764,655; June 17.
- Compressor, Air. W. C. Allen. 1,758,211; May 13.
- Compressor, Air. J. J. Dilks, jr. 1,751,449; Mar. 18.
- Compressor, Air. G. Gunderson. 1,748,979; Mar. 4.
- Compressor, Air. M. B. Morgan. 1,780,398; Nov. 4.
- Compressor, Air. R. P. Pescara. 1,747,948; Feb. 18.
- Compressor, Air. J. Rosett. 1,751,843; Mar. 25.
- Compressor, Air or gas. R. Gibbs. 1,778,357; Oct. 14.
- Compressor and locking means therefor. O. J. Larson and J. R. Jones. 1,780,354; Nov. 4.
- Compressor apparatus. A. Baumann and A. Meyer. 1,753,280; Apr. 8.
- Compressor, Centrifugal. B. Hoffmann. 1,776,152; Sept. 16.
- Compressor, Centrifugal. B. S. Hughes. 1,769,260; July 1.
- Compressor control device. J. B. Grosswege. 1,774,138; Aug. 26.
- Compressor-control system, Automatic. J. W. Sanford. 1,785,979-80; Dec. 23.
- Compressor-control system, Automatic. J. W. Sanford. 1,786,367; Dec. 23.
- Compressor-controlling mechanism. J. W. Sanford. 1,786,128; Dec. 23.
- Compressor, Double-acting lubricant. E. Piquerez. 1,746,604; Feb. 11.
- Compressor drive. N. A. Christensen. 1,786,003; Dec. 23.
- Compressor engine, Internal-combustion. D. M. Bell. 1,759,342; May 20.
- Compressor, Fluid. C. C. Farmer. 1,754,231; Apr. 15.
- Compressor, Fluid. O. Simmen. 1,776,933; Sept. 30.
- Compressor, Fluid-actuated. A. Steurs. 1,771,424; July 29.
- Compressor for air or gas. H. R. Ricardo. 1,755,075; Apr. 15.
- Compressor, Gas. A. Hoerbiger. 1,759,617; May 20.
- Compressor, High-pressure. C. L. Schaer. 1,768,791; July 1.
- Compressor, High-pressure reciprocating. C. Schaer. 1,782,975; Nov. 25.

- Compressor, High pressure reciprocating piston. C. Schaefer. 1,767,404; June 24.
- Compressor, Incased. J. F. Johnson. 1,778,719; Oct. 21.
- Compressor, Lubricant. E. W. Davis. 1,757,236; May 6.
- Compressor, Lubricant. E. Piquerez. 1,782,441; Nov. 25.
- Compressor mechanism. W. Fourness. 1,785,407; Dec. 16.
- Compressor, Multistage. H. C. Guild. 1,746,394; Feb. 11.
- Compressor or the like. P. K. Lindsay. 1,744,775; Jan. 28.
- Compressor, Piston-ring. J. F. Cavanagh. 1,751,977; Mar. 25.
- Compressor, pump, or motor, Rotary. C. A. Hult. 1,760,699; May 27.
- Compressor, Refrigerant. J. A. Fortune and D. E. Whitson. 1,760,636; May 27.
- Compressor-regulating apparatus. E. L. Buckley and R. C. McAllister. 1,743,806; Jan. 14.
- Compressor, Rotary. H. E. Blood. 1,781,095; Nov. 11.
- Compressor, Rotary. A. Moessinger. 1,776,921; Sept. 30.
- Compressor, Rotary. H. Nielsen. 1,781,073; Nov. 11.
- Compressor, Rotary. W. E. Shore. 1,742,731; Jan. 7.
- Compressor, Rotary fluid. A. T. Burger. 1,786,893; Dec. 30.
- Compressor, Spring. R. B. Law and J. A. Clapper. 1,749,591; Mar. 4.
- Compressor system. W. E. Hughes. 1,786,114; Dec. 23.
- Compressor system. L. Wilson. 1,786,278; Dec. 23.
- Compressor, Traffic air. O. B. Akers. 1,771,200; July 22.
- Compressor unit, Gas-. W. H. Thompson. 1,786,321; Dec. 23.
- Compressor unloader. J. C. McCune. 1,771,413; July 29.
- Compressor unloading means. H. B. Halvorsen. 1,769,667; July 1.
- Compressor valves and compressed fluids, Apparatus for cooling. I. L. Dunn and J. O. Lewis. 1,759,301; May 20.
- Compressor, Variable-capacity. M. Riesner. 1,764,646; June 17.
- Compressors and operating the same, Control mechanism for centrifugal. H. V. Crawford. 1,783,036; Nov. 25.
- Compressors of the piston type, Cooling of. A. Huguenin. 1,759,748; May 20.
- Compressors, System and method of lubricating. E. T. Williams. 1,750,293; Mar. 11.
- Compressors, Water-cooling device for. S. B. Redfield. 1,758,538; May 13.
- Computing and printing machine. O. J. Sundstrand. 1,779,717; Oct. 28.
- Computing device. P. Okey. 1,778,037; Oct. 14.
- Computing device. H. K. Rutherford. 1,778,201; Oct. 14.
- Computing instrument, Navigational. E. P. Ross. 1,743,239; Jan. 14.
- Computing machine. G. O. Degener. 1,748,936; Feb. 25.
- Computing machine. H. A. Foothorap. 1,782,757; Nov. 25.
- Computing machine. H. A. Foothorap. 1,775,223; Sept. 9.
- Computing machine. M. M. Goldberg. 1,786,525; Dec. 30.
- Computing machine. F. A. Hart. 1,769,059; July 1.
- Computing machine. L. S. McCorn. 1,753,711; Apr. 8.
- Computing machine. A. F. Poole. 1,758,172; May 13.
- Computing meter. P. B. Mills and E. R. Mills. 1,766,184; June 24.
- Concentrating and evaporating sugar sirups, Method and apparatus for. G. R. Baker and W. E. Prescott. 1,744,096; Jan. 21.
- Concentrating and homogenizing apparatus. E. Heibig. 1,778,596; Oct. 14.
- Concentrating aqueous chloroacetaldehyde solutions. O. Ernst and H. Lange. 1,774,507; Sept. 2.
- Concentrating machine. C. N. Bielenberg. 1,781,971; Nov. 18.
- Concentrating mechanism. M. J. Lide. 1,773,911; Aug. 26.
- Concentration of solids in liquids, Method and apparatus for measuring the. H. J. Kerr. 1,773,735; Aug. 26.
- Concentrator. F. D. Goody. 1,752,169; Mar. 25.
- Concentrator. E. W. Warfield. 1,745,070; Jan. 28.
- Concentrator table. A. H. Stebbins. 1,759,960; May 27.
- Concentric conducting system. H. R. Nein. 1,781,124; Nov. 11.
- Concrete and making same, Waterproof. R. Cross. 1,744,869; Jan. 28.
- Concrete after transportation, Reconditioning. E. N. Jones. 1,779,708; Oct. 28.
- Concrete, Apparatus for making. K. Piehler. 1,743,002; Jan. 7.
- Concrete, Apparatus for proportioning and mixing materials for. J. W. Spry. 1,780,988; Nov. 11.
- Concrete block and making the same, Filled. J. A. De Vilbiss. 1,753,776; Apr. 8.
- Concrete-block machine. C. Dietrichs. 1,752,373; Apr. 1.
- Concrete-brick manufacture. C. Dietrichs. 1,782,413; Nov. 25.
- Concrete-brick-molding device. Charles M. Beals. 1,771,030; July 22.
- Concrete building blocks and the like, Apparatus for the manufacture of. J. Shakespeare. 1,770,219; July 8.
- Concrete building unit. O. A. Pedersen. 1,768,626; July 1.
- Concrete building unit. A. Sitzman and E. S. Klausner. 1,761,848; June 3.
- Concrete buildings cast in situ, Construction of. E. and A. P. Hurden. 1,778,946; Oct. 21.
- Concrete by forcing air into a cement slurries, Making porous. J. Rice. 1,769,275; July 1.
- Concrete column, Reinforced-. B. Bauer. 1,744,065; Jan. 21.
- Concrete construction and waterproofing the same. G. C. Martin. 1,779,481; Oct. 28.
- Concrete construction, Forming a reenforced. W. P. Day. 1,770,154; July 8.
- Concrete cribbing. O. S. Flath. 1,770,155; July 8.
- Concrete, Curing. R. B. Gage. 1,773,737; July 15.
- Concrete-distributing apparatus. A. MacDougald. 1,782,734; Nov. 25.
- Concrete distributor. N. M. Rosendahl. 1,749,230; Mar. 4.
- Concrete elevating and distributing apparatus. J. E. Bushnell. 1,754,815; Apr. 15.
- Concrete elevating and distributing apparatus. J. E. Bushnell. 1,767,431; June 24.
- Concrete especially for pavings, Producing waterproof. R. Schubert. 1,760,214; May 27.
- Concrete fence. J. N. Allain. 1,774,784; Sept. 2.
- Concrete floor construction. F. M. Barton. 1,753,496; Apr. 8.
- Concrete foot for wooden poles. F. Nitzsche. 1,753,063; Apr. 1.
- Concrete form. A. L. Alin. 1,769,282; July 1.
- Concrete form. C. L. Meyer. 1,749,437; Mar. 4.
- Concrete form. E. L. Soulé. 1,757,487; May 6.
- Concrete form and structure. F. J. Mead. 1,754,638; Apr. 15.
- Concrete-form-clamping device. S. S. Colt. 1,755,284; Apr. 22.
- Concrete-form-clamping device. S. S. Colt. 1,774,317; Aug. 26.
- Concrete forms, Adjustable shore for. F. Kahn. 1,757,312; May 6.
- Concrete gun. W. F. Webb. 1,778,100; Oct. 14.
- Concrete hanger insert. O. L. Downing. 1,769,498; July 1.
- Concrete header blocks, Method of and apparatus for manufacturing. T. W. Caswell and G. A. Kelly. 1,751,028; Mar. 18.
- Concrete joint. J. N. Heltzel. 1,750,105; Mar. 11.
- Concrete joint form. P. Jannarone. 1,754,107; Apr. 8.
- Concrete, Manufacture of bituminous. L. S. van Westrum. 1,752,214; Mar. 25.
- Concrete, Manufacture of reenforced. O. Gloeser. 1,762,815; June 10.
- Concrete mixer. B. B. Collings. 1,766,605; June 24.
- Concrete mixer. E. H. Lichtenberg. 1,753,831; Apr. 8.
- Concrete mixer. C. K. Marks and W. G. Weinhold. 1,784,371; Dec. 9.
- Concrete mixer. A. D. Mosby. 1,775,652; Sept. 16.
- Concrete mixer. V. Piispanen. 1,780,940; Nov. 11.
- Concrete mixer. F. D. Robbins. 1,781,823; Nov. 18.
- Concrete mixer. P. F. Schneider. 1,756,390; Apr. 29.
- Concrete mixer. C. J. Weber. 1,775,983; Sept. 16.
- Concrete mixer and agitator. C. F. Ball. 1,781,965; Nov. 18.
- Concrete mixer and distributor. L. J. Van Kirk. 1,754,533; Apr. 15.
- Concrete mixer and the like. E. J. Stern. 1,764,583; June 17.
- Concrete mixer, Portable. R. A. Daddisman. 1,753,311; Apr. 8.
- Concrete mixer, Rotary. F. O'Reilly. 1,767,809; June 24.
- Concrete mixer, Transit. J. E. Morris. 1,763,249; June 10.
- Concrete-mixer truck body and frame, Combined. P. A. Koehring. Des. 81,010; Apr. 22.
- Concrete-mixer turntable and subgrader, Combination. J. W. Heltzel. 1,749,101; Mar. 4.
- Concrete-mixing apparatus. H. A. Totten. 1,780,956; Nov. 11.
- Concrete-mixing apparatus, Control mechanism for. O. Johnson and R. G. Sanders. 1,781,549; Nov. 11.
- Concrete mixing machine, Automatic. G. E. Webb. 1,753,324; Apr. 8.
- Concrete mixers, Charging device for. J. P. Faber. 1,748,117; Feb. 25.
- Concrete mixers, Mechanical driving means for. R. C. Frankie. 1,768,472; June 24.
- Concrete mixers, Method of and apparatus for charging. P. W. Yett. 1,775,745; Sept. 16.
- Concrete mixers, Vibrating skip for. S. Shafer, jr. 1,742,420; Jan. 7.
- Concrete mold. W. J. Pedersen. 1,760,282-3; May 27.
- Concrete molds, Agitator for. C. Jackson. 1,751,087; Mar. 18.
- Concrete or the like structures, Separating strip for the subdivision of. A. C. Fischer. 1,743,766; Jan. 14.
- Concrete, Partition strip for. W. C. Burrell. 1,742,688; Jan. 7.
- Concrete piling, Apparatus for and method of making precast. F. T. Leeder. 1,744,702; Jan. 21.
- Concrete pipe, Reenforced-. W. C. Parmley. 1,781,699; Nov. 18.
- Concrete-placing apparatus. E. G. Carr. 1,743,114; Jan. 14.
- Concrete-pouring forms, Locking up. S. S. Colt. 1,756,632; Apr. 29.
- Concrete reenforcement. C. Weichold. 1,757,694; May 6.
- Concrete revetment. C. Weber. 1,772,821; Aug. 12.
- Concrete-road construction. J. N. Heltzel. 1,780,588; Nov. 4.

- Concrete roads, Expansion joint for. A. C. Fischer. 1,742,651; Jan. 7.
- Concrete roadways, Method of and apparatus for. W. S. Edge. 1,778,451; Oct. 14.
- Concrete step. J. Gentile. 1,756,351; Apr. 29.
- Concrete steps, Metal riser and nosing for. S. A. Cope. 1,753,234; Apr. 8.
- Concrete structure. E. T. Scott. 1,779,989; Oct. 28.
- Concrete structure and making same. C. R. Geisler. 1,787,149; Dec. 30.
- Concrete structures, Construction of the expansion joint of reinforced. B. Bauer. 1,786,284; Dec. 23.
- Concrete structures, Means for use in erecting. T. W. Fowler. 1,773,454; Aug. 19.
- Concrete surfaces, Finishing. J. W. Heltzel. 1,760,596; May 27.
- Concrete test samples, Device for making. C. S. Howe. 1,782,440; June 10.
- Concrete tie. W. C. Yeomans. 1,778,618; Oct. 14.
- Concrete to tunnels, Applying. W. F. Webb. 1,778,099; Oct. 14.
- Concrete tubes by the action of centrifugal force, Device for producing reinforced-. P. Zehnder. 1,752,627; Apr. 1.
- Condensation-preventing device. F. G. Miller. 1,779,071; Oct. 21.
- Condensation product and making same. G. Kalischer and W. Zerweck. 1,757,431; May 6.
- Condensation product and preparing same. H. A. Bruson. 1,779,367; Oct. 21.
- Condensation product and preparing same. H. A. Bruson. 1,783,168; Nov. 25.
- Condensation product of aromatic sulphonic acids. F. Pospiech. 1,787,408; Dec. 30.
- Condensation product of the benzodiazine series. W. Hentrich, M. Hardtmann, and R. Knoche. 1,780,879; Nov. 4.
- Condensation product of the benzanthrone series and making same. G. Kalischer and H. Scheyer. 1,755,879; Apr. 22.
- Condensation product of the benzanthrone series and making same. G. Kalischer, H. Scheyer, P. Nawiasky, and E. Krauch. 1,768,302; June 24.
- Condensation product of the benzodiazine series. W. Hentrich and M. Hardtmann. 1,758,792; May 13.
- Condensation product of the benzo-pyrene-quinone series and preparing the same. G. Kränzlein and H. Vollmann. 1,742,358; Jan. 7.
- Condensation product of the perimidone series. New. W. Mieg and R. Heidenreich. 1,749,955; Mar. 11.
- Condensation products from hydroxybenzenes and hydro-aromatic ringketones, Manufacturing. E. Korten. 1,760,758; May 27.
- Condensation products from olefines and naphthalene hydrocarbon compounds, Manufacture of. R. Michel. 1,767,302; June 24.
- Condensation products obtainable from unsaturated higher fatty acids and phenols. A. Thauss, A. Doser, and G. Mauthe. 1,779,345; Oct. 21.
- Condensation products of acetylene and phenol, Preparing. C. F. Schrimpe. 1,742,519; Jan. 7.
- Condensation products of hydrogenated naphthalenes with ethylene. R. Michel. 1,766,344; June 24.
- Condensation products of the naphthostyryl series and preparing the same. G. Kränzlein, M. Heyse, and P. Ochwat. 1,762,021; June 3.
- Condensation products of urea and aldehyde, Making. K. Ripper. 1,762,456; June 10.
- Condenser. R. B. Benjamin. 1,749,967; Mar. 11.
- Condenser. M. H. Bennett. 1,753,001; Apr. 1.
- Condenser. M. H. Bennett. 1,753,193; Apr. 8.
- Condenser. E. A. Bohlman. 1,748,104; Feb. 25.
- Condenser. R. A. Brennecke. 1,745,400; Feb. 4.
- Condenser. J. F. Cadell. 1,742,231; Jan. 7.
- Condenser. R. R. Collins. 1,787,144; Dec. 30.
- Condenser. W. Dubilier. 1,768,439; June 24.
- Condenser. R. N. Ehrhart. 1,764,716; June 17.
- Condenser. R. N. Ehrhart. 1,764,782; June 17.
- Condenser. R. N. Ehrhart. 1,780,781; Nov. 4.
- Condenser. W. S. Elliott. 1,776,020; Sept. 16.
- Condenser. F. X. Govers. 1,761,035; July 3.
- Condenser. J. F. Grace. 1,772,805; Aug. 12.
- Condenser. J. F. Grace. 1,780,477-8; Nov. 4.
- Condenser. J. F. Grace. 1,781,107; Nov. 11.
- Condenser. E. W. Hartman. 1,783,286; Dec. 2.
- Condenser. G. Jacobs. 1,755,181; Apr. 22.
- Condenser. R. L. King. 1,768,258; June 24.
- Condenser. J. P. Lidiak. 1,781,024; Nov. 11.
- Condenser. C. E. Lucke. 1,745,857; Feb. 4.
- Condenser. G. L. MacNeill. 1,764,801; June 17.
- Condenser. D. W. R. Morgan. 1,748,676; Feb. 25.
- Condenser. D. W. R. Morgan. 1,779,072; Oct. 21.
- Condenser. I. H. Reynolds. 1,762,107; June 3.
- Condenser. P. B. Sadtler. 1,783,369; Dec. 2.
- Condenser. C. C. Spreen. 1,753,953; Apr. 8.
- Condenser. U. A. Taddiken. 1,770,718; July 15.
- Condenser. C. B. Tuley. 1,753,955; Apr. 8.
- Condenser. J. O. Wrenn. 1,765,960; June 24.
- Condenser. H. M. Yeager. 1,773,249; Aug. 19.
- Condenser, Acoustic. P. E. Edelman. 1,759,809; May 20.
- Condenser, Air. F. H. Kroger. 1,777,042; Sept. 30.
- Condenser and cooling means therefor, Power. H. R. Van Deventer. 1,768,430; June 24.
- Condenser and making same. W. C. Grunow. 1,746,469; Feb. 11.
- Condenser and making the same. A. Taub. 1,761,281; June 3.
- Condenser and making the same, Electrical. H. F. Schecker. Re17,605; Feb. 25.
- Condenser and making the same, Electrical. R. C. Sprague. 1,767,412; June 24.
- Condenser and making the same, Electrical. R. C. Sprague. 1,768,333; June 24.
- Condenser and making the same, Foil. H. I. Danziger. 1,767,206; June 24.
- Condenser and material for dielectric or insulation purposes. S. Boyer. 1,769,874; July 1.
- Condenser and rectifier, Ammonia. L. Bruehl and L. Reichert. 1,764,197; June 17.
- Condenser and separator, Combined. R. Bernat. 1,746,185; Feb. 4.
- Condenser and transformer unit. L. M. Perkins. 1,761,535; June 3.
- Condenser arrangement. J. A. Bjerregaard. 1,769,671; July 1.
- Condenser construction. C. A. Boyd. 1,758,495; May 13.
- Condenser coupling device. L. H. Hansen. 1,744,546; Jan. 21.
- Condenser, Electric. E. T. Hoch. 1,781,917; Nov. 11.
- Condenser, Electric. J. A. Proctor and W. M. Bailey. Re17,916; Dec. 30.
- Condenser, Electric. W. H. Reid and W. Fuhrmann. 1,746,967; Feb. 11.
- Condenser, Electric. S. Ruben. 1,774,455; Aug. 26.
- Condenser, Electric. L. E. Shaw. 1,786,134; Dec. 23.
- Condenser, Electrical. S. A. Barone and S. Isler. 1,743,019; Jan. 7.
- Condenser, Electrical. P. R. Coursey. 1,754,265; Apr. 15.
- Condenser, Electrical. S. S. Cramer. 1,780,172; Nov. 4.
- Condenser, Electrical. S. S. and R. E. Cramer. 1,757,357; May 6.
- Condenser, Electrical. W. Dubilier. 1,742,759; Jan. 7.
- Condenser, Electrical. W. Dubilier. 1,754,268; Apr. 15.
- Condenser, Electrical. W. Dubilier. 1,757,657; May 6.
- Condenser, Electrical. W. Dubilier. 1,768,441-2; June 24.
- Condenser, Electrical. P. E. Edelman. 1,770,465; July 15.
- Condenser, Electrical. P. E. Gilling. 1,742,468; Jan. 7.
- Condenser, Electrical. P. E. Gilling. 1,769,021; July 1.
- Condenser, Electrical. P. E. Gilling. 1,769,130; July 1.
- Condenser, Electrical. R. Lewelling. 1,745,628; Feb. 4.
- Condenser, Electrical. C. L. Marti. 1,771,226; July 22.
- Condenser, Electrical. A. Nyman. 1,768,416; June 24.
- Condenser, Electrical. G. W. Pickard. 1,758,968; May 20.
- Condenser, Electrical. S. Ruben. 1,781,033; Nov. 11.
- Condenser, Electrical. J. C. Snell. 1,743,870; Jan. 14.
- Condenser, Electrical. A. M. Trogner. 1,766,565; June 24.
- Condenser, Electrical. H. R. Van Deventer. 1,750,374; Mar. 11.
- Condenser, Electrolytic. E. W. Engle and H. L. Olesen. 1,744,302; Jan. 21.
- Condenser, Electrolytic. R. D. Mershon. 1,773,492; Aug. 19.
- Condenser, Electrolytic. H. R. Van Deventer. 1,747,915; Feb. 18.
- Condenser, Electrolytic. S. T. Woodhull. 1,753,912; Apr. 8.
- Condenser, Fixed by-pass. R. G. Evans. 1,774,875; Sept. 2.
- Condenser for automobile radiators. J. G. and G. L. Cluchey. 1,759,778; May 20.
- Condenser for high-tension ignition circuits, Electric. C. A. Henry. 1,756,486; Apr. 29.
- Condenser for internal-combustion engines. I. H. Ayres and H. R. Pyne. 1,754,298-9; Apr. 15.
- Condenser for locomotives. L. P. Michael. 1,744,052; Jan. 21.
- Condenser for mixed vapors. G. L. Kothny. 1,786,163; Dec. 23.
- Condenser for motor-vehicle radiators. O. P. Megahan. 1,778,864; Oct. 21.
- Condenser for refrigerant cooling, Series. J. Karmazin. 1,745,544; Feb. 4.
- Condenser for refrigerating apparatus. C. C. Spreen. 1,753,951; Apr. 8.
- Condenser for refrigerating plants. N. H. Gay. 1,748,121; Feb. 25.
- Condenser for two-stage air ejectors, Auxiliary. C. L. A. M. Leblanc. 1,769,743; July 1.
- Condenser, Gas. J. S. Haug. 1,759,453; May 20.
- Condenser, High-potential. W. Dubilier. 1,744,454; Jan. 21.
- Condenser induction motor. C. L. Kennedy. 1,780,395; Nov. 4.
- Condenser, Loud acoustic. P. E. Edelman. 1,767,656; June 24.
- Condenser, Loud-speaker. P. E. Edelman. 1,776,112; Sept. 16.
- Condenser plant for locomotives and similar vehicles. F. Ljungström and A. Lysholm. 1,748,516; Feb. 25.
- Condenser plate. W. F. Dester. 1,773,574; Aug. 19.
- Condenser, Polarization-cell. J. Slepian. 1,744,014; Jan. 14.
- Condenser reproducer. P. E. Edelman. 1,759,810; May 20.
- Condenser, Rotary variable. C. A. Hellmann. 1,748,345; Feb. 25.

- Condenser speaker, Push-pull. P. E. Edelman. 1,759,811; May 20.
- Condenser, Steam. J. F. Grace. 1,780,476; Nov. 4.
- Condenser, Steam. J. F. Kirgan. 1,749,141; Mar. 4.
- Condenser, Straight-line frequency. C. Horton. 1,748,481; Feb. 25.
- Condenser structure, Electrolytic. L. Hammond. 1,744,268; Jan. 21.
- Condenser, Surface. P. A. Bancel. 1,745,142; Jan. 28.
- Condenser, Surface. A. Delas. 1,776,349; Sept. 23.
- Condenser, Surface. J. F. Grace. 1,772,807; Aug. 12.
- Condenser, Surface. D. W. R. Morgan. 1,746,841; Feb. 11.
- Condenser, Surface. A. J. Nott. 1,780,837; Nov. 4.
- Condenser tubes, Apparatus for cleaning. W. F. Oberhuber. 1,756,378; Apr. 29.
- Condenser unit, Compressor-. C. C. Spreen. 1,764,654; June 17.
- Condenser unit for mechanical refrigerators. H. W. Bundy. 1,786,000; Dec. 23.
- Condenser, Variable. G. F. Behringer. 1,756,447; Apr. 29.
- Condenser, Variable. M. H. Bennett and W. Colina. 1,759,564; May 20.
- Condenser, Variable. E. J. H. Bussard and C. E. Kilgour. 1,767,509; June 24.
- Condenser, Variable. L. F. Curtis. 1,773,573; Aug. 19.
- Condenser, Variable. W. Dubilier. 1,750,393; Mar. 11.
- Condenser, Variable. W. Dubilier. 1,756,512; Apr. 29.
- Condenser, Variable. W. Dubilier. 1,763,554; June 10.
- Condenser, Variable. L. A. Hazeltine. 1,755,115; Apr. 15.
- Condenser, Variable. W. S. Kellogg. 1,754,894; Apr. 15.
- Condenser, Variable. A. E. Marshall. 1,749,042; Mar. 4.
- Condenser, Variable. F. B. Newell. 1,745,949; Feb. 4.
- Condenser, Variable. G. A. Yanochowski. 1,772,598; Aug. 12.
- Condenser, Variable electric. W. W. Drury. 1,759,979; May 27.
- Condenser, Variable-relay. L. L. Jones. 1,777,410; Oct. 7.
- Condenser, Vibrating. H. Vogt. 1,782,278; Nov. 18.
- Condensing apparatus. G. L. MacNeill. 1,769,746; July 1.
- Condensing device. H. L. Phelps. 1,776,323; Sept. 23.
- Condensing plant, Heat-balance. D. W. R. Morgan. 1,756,987; May 6.
- Condensing process and apparatus. R. W. Davenport. 1,779,116; Oct. 21.
- Condensing system. R. W. Davenport. 1,769,119; July 1.
- Condensers, Adjustable variable. W. Baekler. 1,746,411; Feb. 11.
- Condensers, Arrangement of discharge spark gaps on electric. E. J. Piffner. 1,745,583; Feb. 4.
- Condensers, Feeding apparatus for. A. C. Heiny. 1,768,449; June 24.
- Condensers, Exhaust connection for. J. F. Grace. 1,781,108; Nov. 11.
- Condensers, Process and apparatus for making electric. W. Dubilier. 1,785,479; Dec. 16.
- Condensers, Seasoning. L. H. Richmond. 1,765,032; June 17.
- Condensers, Winding. R. H. Cunningham. 1,744,616; Jan. 21.
- Condiment. J. C. Krantz, jr. 1,772,183; Aug. 5.
- Condiment dispenser. M. Alland. 1,773,720; Aug. 26.
- Condiment stand. C. A. Mosgrove. 1,744,054; Jan. 21.
- Conditioning device, Road and field. F. Lage. 1,779,548; Oct. 28.
- Conditioning machine. V. Cano. 1,787,063; Dec. 30.
- Conducting system, Concentric. H. A. Affel and E. I. Green. 1,781,092; Nov. 11.
- Conductive bodies, Locating unknown. E. H. Guilford. 1,766,378; June 24.
- Conductor. W. B. Ten Eyck. 1,756,314; Apr. 29.
- Conductor. W. B. Ten Eyck. 1,780,953; Nov. 11.
- Conductor. J. F. Wentz. 1,756,319; Apr. 29.
- Conductor actuating unit, Plural-. M. R. Hutchison, jr. 1,759,557; May 20.
- Conductor and manufacturing the same, Insulated. J. Johnston. 1,757,717; May 6.
- Conductor and spark intensifier, High-tension-current. J. S. M. Hendershot. 1,749,480; Mar. 4.
- Conductor, Armored. J. E. McAuliffe. 1,782,787; Nov. 25.
- Conductor, Armored electric. E. J. Schneider. 1,779,951; Oct. 28.
- Conductor clamp. N. A. Wahlberg. 1,764,429; June 17.
- Conductor clamp. N. A. Wahlberg. 1,764,916; June 17.
- Conductor, Composite. F. F. Farnsworth. 1,762,968; June 10.
- Conductor, Continuously-loaded. P. S. McCann. 1,756,371; Apr. 29.
- Conductor disconnecter. P. F. Williams. 1,781,144; Nov. 11.
- Conductor disconnecter, Single-. G. P. Edmonds. 1,762,509; June 10.
- Conductor, Electric. E. J. Schneider and P. Wiggins. 1,780,722; Nov. 4.
- Conductor, Electrical. O. E. Buckley. 1,756,341; Apr. 29.
- Conductor, Electrical. G. C. Oser. 1,780,533; Nov. 4.
- Conductor, Electrical. G. C. Oser. 1,780,564; Nov. 4.
- Conductor, Extensible electric. J. T. Watts. 1,754,072; Apr. 8.
- Conductor, Flexible electric. P. V. Hunter and H. J. Allcock. 7, 771,120; July 22.
- Conductor for oil-well heaters. G. W. Knox. 1,764,213; June 17.
- Conductor for rectifying alternating currents, Unilateral. H. G. André. 1,780,057; Oct. 28.
- Conductor for transformers. A. A. Skvortzoff. 1,760,889; June 3.
- Conductor-holding clip. E. S. Lindmark. 1,753,013; Apr. 1.
- Conductor, Insulated. W. J. O'Neill. 1,765,734; June 24.
- Conductor, Loaded signaling. J. J. Gilbert. 1,762,976; June 10.
- Conductor, Paper-insulated. E. B. Wood. 1,762,941; June 10.
- Conductor, Signaling. G. A. Anderegg. 1,756,274; Apr. 29.
- Conductor, Signaling. O. E. Buckley. 1,762,956; June 10.
- Conductor system, Concentric. H. A. Affel. 1,781,093; Nov. 11.
- Conductor terminal. G. Bedard. 1,760,035; May 27.
- Conductor with improved ground wire, Electric. I. A. Bennett. 1,747,214; Feb. 18.
- Conductors, Connection for electric. W. N. Mischler. 1,745,180; Jan. 28.
- Conductors, Manufacturing loaded. W. M. Bishop. 1,773,938; Aug. 26.
- Conductors, Method and apparatus for treating insulated. W. S. Clark. 1,760,583; May 27.
- Conduit. E. Babb. 1,785,403; Dec. 16.
- Conduit and constructing the same. W. H. Collins. 1,784,271; Dec. 9.
- Conduit and electrical distribution system. W. C. Robinson. 1,776,195; Sept. 16.
- Conduit and making same. L. M. Christie. 1,786,425; Dec. 30.
- Conduit and making the same, Flexible. E. G. Kimmich. 1,746,701; Feb. 11.
- Conduit assembly and making same, Flexible. I. Cowles. 1,752,976; Apr. 1.
- Conduit base and trim. C. L. Harper. 1,783,120; Nov. 25.
- Conduit box. R. P. Dunmire. 1,748,546-7; Feb. 25.
- Conduit box. R. P. Dunmire. 1,777,518; Oct. 7.
- Conduit cap. J. B. Cooper. 1,774,357; Aug. 26.
- Conduit connection. B. C. Root. 1,755,899; Apr. 22.
- Conduit construction. L. M. King. 1,748,134; Feb. 25.
- Conduit construction. J. F. Makowski. 1,783,178; Dec. 2.
- Conduit coupling. D. L. Hunter. 1,775,128; Sept. 9.
- Conduit coupling. J. W. Lewin. 1,777,120; Sept. 30.
- Conduit coupling. G. R. Metcalf, jr. 1,746,956; Feb. 11.
- Conduit coupling. H. A. Selah. 1,760,011; May 27.
- Conduit device, Fluid-. E. C. Adams. 1,784,980; Dec. 16.
- Conduit, Distributing. H. W. Jewell. 1,781,726; Nov. 18.
- Conduit-driving machine. A. H. Sloan. 1,776,798; Sept. 30.
- Conduit fitting. C. E. Callender. 1,743,315; Jan. 14.
- Conduit fitting. J. W. Cox. 1,772,536-7; Aug. 12.
- Conduit fitting. R. P. Dunmire. 1,748,544-5; Feb. 25.
- Conduit fitting. G. R. Metcalf, jr. 1,745,941; Feb. 4.
- Conduit fitting. G. R. Metcalf, jr. 1,785,136; Dec. 16.
- Conduit fitting. F. J. Raybould. 1,745,954; Feb. 4.
- Conduit fitting. H. A. Selah. 1,742,419; Jan. 7.
- Conduit fitting. H. A. Selah. 1,748,498; Feb. 25.
- Conduit, Flexible. F. M. Bosworth. 1,772,453; Aug. 12.
- Conduit, Flexible. J. Sneed. 1,746,719; Feb. 11.
- Conduit for electric conductors. C. F. Whitehouse. 1,776,484; Sept. 23.
- Conduit for electrical conductors, Flexible. C. E. Rutherford. 1,778,040; Oct. 14.
- Conduit for lubrication systems, Distribution. M. Koehler. 1,770,474; July 15.
- Conduit for the exhaust pipes of internal-combustion engines, Collecting. F. A. Boysen. 1,760,682; May 27.
- Conduit, Ignition-wire. C. S. Crawford. 1,746,216; Feb. 4.
- Conduit joint and making same, Fiber. B. C. Root. 1,755,898; Apr. 22.
- Conduit or duct for electric cables. P. V. Hunter. 1,742,853; Jan. 7.
- Conduit outlet box. R. H. Olley. 1,774,151; Aug. 26.
- Conduit outlet boxes, Adapter member for. J. T. Pearson and R. H. Olley. 1,759,365; May 20.
- Conduit outlet coupling, Underfloor. C. Flachbarth. 1,773,811; Aug. 26.
- Conduit pull box. H. A. Selah. 1,777,504; Oct. 7.
- Conduit, Stock. H. Fletcher. 1,774,363; Aug. 26.
- Conduit suspension, Inner. A. W. Lissauer. 1,761,084; June 3.
- Conduit system, Installing an underground. E. Burke. 1,744,102; Jan. 21.
- Conduit system, Underfloor. O. A. Frederickson. 1,776,656; Sept. 23.
- Conduit, Underground. G. M. Gest. 1,761,075; June 3.
- Conduit, Wall. H. N. Putnam. 1,750,491; Mar. 11.
- Conduits and the like, Apparatus for cleaning out. J. C. Miller. 1,780,436; Nov. 4.
- Conduits, Bender for thin-wall. R. H. Henderson. 1,754,317; Apr. 15.
- Conduits by extrusion, Method of and apparatus for making. J. C. Sherman. 1,780,948; Nov. 11.
- Conduits, Fitting for electrical. K. Sixma. 1,781,199; Nov. 11.
- Conduits, Making flexible tubular. R. P. Jacques. 1,753,465; Apr. 8.
- Conduits, Producing heat-transfer. A. E. Harnsberger. 1,774,231; Aug. 26.
- Cone cup, Rolled-edge. C. Barbieri. 1,750,454; Mar. 11.

- Cone for the winding of yarns and threads. A. Linden-berg. 1,769,929; July 8.
- Cone speaker. R. L. Brown. 1,745,599; Feb. 4.
- Confection. L. S. Baier. 1,778,479; Oct. 14.
- Confection. M. Dushek. Des. 80,883; Apr. 8.
- Confection. B. F. Peterson. Des. 81,994; Sept. 9.
- Confection-coating machine. H. J. Melville. 1,743,227; Jan. 14.
- Confection-coating machine. J. Piccolo and J. W. Villano. 1,756,471; Apr. 29.
- Confection, Frozen. E. L. Gordon. 1,786,606; Dec. 30.
- Confection having a liquid mass therein, Making a chocolate-covered. W. Horra. 1,752,001; Mar. 25.
- Confection-making machine. A. L. Bausman. 1,761,065; June 3.
- Confection package. A. C. Kappes. 1,751,208; Mar. 18.
- Confection shell-forming machine. W. Stevens. 1,771,065; July 22.
- Confection shells, Apparatus for forming. A. L. Bausman. 1,763,085; June 10.
- Confection stringing or decorating machine. F. W. Greer. 1,771,117; July 22.
- Confections, Apparatus for manufacturing frozen. A. C. Wood and T. Hall. 1,765,710; June 24.
- Confections having irregular shapes, Method of and machine for forming. W. B. Laskey. 1,765,872; June 24.
- Confections, Method and apparatus for making frozen. F. C. Fernandez. 1,758,567; May 13.
- Confections, Mixing, heating, and distributing unit for. W. H. Carson. 1,757,234; May 6.
- Confectioner's appliance. J. F. Knapp. 1,768,259; June 24.
- Confectionery-cooling tunnel. J. W. and F. W. Greer. 1,753,828; Apr. 8.
- Confectionery, Frozen. M. Schnaier. 1,764,282; June 17.
- Confectionery, Manufacture of chocolate. A. D. Fisher. 1,760,900; June 3.
- Confectionery machines, Feeding apparatus for. A. L. Bausman. 1,763,083-4; June 10.
- Congelation, Apparatus for. J. E. W. Reeh. 1,747,080; Feb. 11.
- Connector. J. B. Downing. 1,780,140; Oct. 28.
- Connector. H. Falla. 1,765,221; June 17.
- Connector. R. O. Wertz. 1,753,179; Apr. 1.
- Connector and lightning arrester, Combination. L. S. Brach. 1,754,709; Apr. 15.
- Connector, Artificial-limb. E. Collins. 1,750,213; Mar. 11.
- Connector, Automatic. J. Robinson. 1,787,122; Dec. 30.
- Connector, Automatic train-pipe. J. Robinson. 1,761,845; June 3.
- Connector, Bead-chain. J. W. W. Holden. 1,763,850; June 17.
- Connector device. N. Kopp. 1,748,776; Feb. 25.
- Connector, Electric. E. A. Larsson. 1,770,619; July 15.
- Connector, Electric. H. H. Wermin. 1,751,299; Mar. 18.
- Connector, Electrical. M. W. Beemer. 1,751,572; Mar. 25.
- Connector, Electrical. S. W. Borden. 1,748,536; Feb. 25.
- Connector, Electrical. W. H. Broer. 1,786,598; Dec. 30.
- Connector, Electrical. C. B. Carlson. 1,758,218; May 13.
- Connector, Electrical. C. H. Conant. 1,784,340; Dec. 9.
- Connector, Electrical. H. Neubert. 1,760,515; May 27.
- Connector, Electrical. R. H. Whisler. 1,762,848; June 10.
- Connector, Electrical. P. F. Williams. 1,749,790; Mar. 11.
- Connector, Electrical swivel. A. R. Goldrick. 1,765,330; June 17.
- Connector element for spring structures. R. E. McElroy. 1,764,967; June 17.
- Connector for bracelets, End. L. F. Otten. 1,760,913; June 3.
- Connector for electric train lights and the like. A. E. Ganzert. 1,785,734; Dec. 23.
- Connector for electric wires. G. R. Sirwell. Des. 82,351; Oct. 21.
- Connector for electrical conductors. P. F. Williams. 1,763,623; June 10.
- Connector for electrical conductors, Terminal. F. W. Zepp. 1,780,289; Nov. 4.
- Connector for electrical conduits. J. M. G. Fullman. 1,769,947; July 8.
- Connector for electrical conduits. A. J. Gangle. 1,770,883; July 15.
- Connector for necklaces and the like. G. W. Bainton. 1,774,347; Aug. 26.
- Connector for railway rails. J. V. Palmer. 1,765,801-2; June 24.
- Connector, Plug. C. O. Graves. 1,761,335; June 3.
- Connector, Plug. H. L. Strongson and B. D. Colen. 1,760,921; June 3.
- Connector, Separable. T. E. Herlihy. 1,779,737; Oct. 28.
- Connector switch. C. E. Lomax. 1,767,594; June 24.
- Connector switch. N. H. Saunders. 1,762,700; June 10.
- Connector switch. V. S. Tharp. 1,767,719; June 24.
- Connector, Swivel. E. F. Martinet. 1,770,669; July 15.
- Connector, Tire-chain. J. S. Woodhouse. 1,758,210; May 13.
- Connector, Tube. H. P. Davis. 1,768,669; July 1.
- Connectors, Lubricating. B. S. Burrell. 1,782,337; Nov. 18.
- Connecting device. S. S. Matthes. 1,773,193; Aug. 19.
- Connecting device. S. S. Matthes. 1,785,522; Dec. 16.
- Connecting device, Multiple. G. L. Chamberlain. 1,783,220; Dec. 2.
- Connecting device, Electrical. R. Eckstein and M. Polis. 1,762,163; June 10.
- Connecting device for storage batteries. J. Teipel. 1,762,203; June 10.
- Connecting means. L. E. Gresley and S. Eusey. 1,776,502; Sept. 23.
- Connecting means. C. A. Hill. 1,770,852; July 15.
- Connecting means for electrical conductors. P. F. Williams. 1,762,496; June 10.
- Connecting means for floor racks. M. S. Johnson. 1,772,720; Aug. 12.
- Connecting means for rafters. F. L. Purdy. 1,787,167; Dec. 30.
- Connecting mechanism for jacquard levers. E. R. Holmes. 1,786,656; Dec. 30.
- Connecting member, Elastic or resilient. H. Richter. 1,764,750; June 17.
- Connecting rod. B. B. Briggs. 1,786,934; Dec. 30.
- Connecting rod. T. P. Chase. 1,768,508; June 24.
- Connecting rod. M. J. Clark. 1,773,093; Aug. 19.
- Connecting rod. C. R. Hammond. 1,767,882; June 24.
- Connecting rod. S. D. Hartog. 1,770,644; July 15.
- Connecting rod. O. T. Isaacson. 1,755,650; Apr. 22.
- Connecting rod. A. W. Kjellberg. 1,783,922; Dec. 2.
- Connecting rod. R. L. Morgan. 1,746,491; Feb. 11.
- Connecting rod. M. F. Treviño. 1,768,808; July 1.
- Connecting rod for internal-combustion engines. H. Jones. 1,766,024; June 24.
- Connecting rod, Locomotive. J. Kindervater. 1,752,954; Apr. 1.
- Connecting rod, Self-adjusting. W. Noble. 1,770,624; July 15.
- Connection. Z. P. Candee. 1,783,403; Dec. 2.
- Connection and clamp, Detachable. W. M. Molden. 1,753,129; Apr. 1.
- Connection and valve fitting for automobile water-circulating systems. H. Kocourek and L. Aeby. 1,765,984; June 24.
- Connection apparatus for the wires of head receivers for broadcastings. O. Zahn. 1,755,757; Apr. 22.
- Connection, Ball-and-socket. D. Benjamin. 1,759,430; May 20.
- Connection, Belt. P. D. Latimer. 1,765,080; June 17.
- Connection block. J. W. Tennant. 1,752,469; Apr. 1.
- Connection clip, Electrical. R. S. Mueller. 1,779,442; Oct. 28.
- Connection, Clutch-plate. H. T. Woolson. 1,760,619; May 27.
- Connection, Drawbar and yoke. S. B. Haseltine. 1,762,333; June 10.
- Connection, Electrical-appliance. J. Huber. 1,761,344; June 3.
- Connection, Flexible. H. W. Bell. 1,758,554; May 13.
- Connection for back-to-back plumbing fixtures, Cross-over. W. S. Fleming. 1,762,619; June 10.
- Connection for boiler furnaces, Steam. J. W. Dyar. 1,749,909; Mar. 11.
- Connection for boiler sections. W. H. Cliff. 1,771,874; July 29.
- Connection for bracelets and the like, Adjustable. A. Wittmayer. 1,785,104; Dec. 16.
- Connection for carbon brushes and the like. C. W. Adams and H. F. Mitchel. 1,770,825; July 15.
- Connection for internal-combustion engines, Cylinder and head. W. O. Warner. 1,762,370; June 10.
- Connection for iron constructions. W. J. van der Kloet and W. A. L. Stift. 1,771,362; July 22.
- Connection for loom let-off mechanism, Driving-rod. H. A. Davis. 1,771,777; July 29.
- Connection for motor-driven vehicles, Drive-shaft. C. F. Kettering and C. R. Short. 1,760,845; May 27.
- Connection for structures, Resilient. R. H. Prosser. 1,761,584; June 3.
- Connection for tool holders, Flexible driving. B. P. Schiltz. 1,782,633; Nov. 25.
- Connection for transmission lines, Multiple-way. D. Mitchell and H. C. Silent. 1,751,522; Mar. 25.
- Connection for work wheels, Quick-detachable. D. F. McGovern. 1,771,804; July 29.
- Connection for woven-wire conveyers. K. E. Peiler. 1,769,901; July 1.
- Connection, Ground-rod. F. H. Banner. 1,766,587; June 24.
- Connection, Joist. H. H. Lampert. 1,759,908; May 27.
- Connection, Locomotive piston-rod crosshead. W. J. Schlacks. 1,767,484; June 24.
- Connection, Loom drop-box. C. J. Lindgren. 1,766,756; June 24.
- Connection, Outlet-box. H. A. Calderwood. 1,772,241; Aug. 5.
- Connection puller, Battery-terminal. J. W. Brown. 1,747,925; Feb. 18.
- Connection, Rocker step. P. R. Forman. 1,769,946; July 8.
- Connection, Rotational driving. J. V. Pugh and G. T. Bayliss. 1,784,708; Dec. 9.
- Connection, Spring-end. J. W. Smith. 1,785,686; Dec. 16.
- Connection system for train-lighting plants connected in parallel. H. Grob. 1,778,026; Oct. 14.
- Connection, Water. M. S. Parkhill. 1,747,878; Feb. 18.
- Connections for compensating, System of. J. Ossanna, H. Graner, and F. Hofmann. 1,752,649; Apr. 1.
- Connections, Forming. M. C. Baker. 1,744,199; Jan. 21.
- Connector. C. L. Stoeltzen. Re17,880; Nov. 25.

- Connector for terminal wires. J. Dillon. 1,753,777; Apr. 8.
 Consistency regulator. H. G. Cram. 1,770,589; July 15.
 Constructing metallic partitioning. J. Brogden. 1,768,742; July 1.
 Construction material. A. C. Fischer. 1,769,627; July 1.
 Construction of operating crankless internal-combustion and explosion engines. A. G. M. Michell. Re17,879; Nov. 25.
 Construction toy. A. C. Gilbert. 1,760,638; May 27.
 Construction unit. C. E. Jones. 1,781,234; Nov. 11.
 Constructional material. A. C. Fischer. 1,742,650; Jan. 7.
 Constructional material. A. C. Fischer. 1,744,378; Jan. 21.
 Constructional material. A. C. Fischer. 1,751,196; Mar. 18.
 Constructional material. A. C. Fischer. 1,769,630; July 1.
 Constructional material. A. C. Fischer. 1,769,632-4; July 1.
 Constructional material. A. C. Fischer. 1,770,356; July 8.
 Constructional material. A. C. Fischer. 1,770,357; July 8.
 Constructional material and making same. A. C. Fischer. 1,744,714; Jan. 21.
 Constructional unit and making same. A. C. Fischer. 1,744,304; Jan. 21.
 Constructional material and making same. A. C. Fischer. 1,769,629; July 1.
 Constructional material and making same. A. C. Fischer. 1,769,635; July 1.
 Consumer packages, Preparing. C. Birdseye. 1,759,682; May 20.
 Contact apparatus, Interfacial. A. B. Kremser. 1,770,658; July 15.
 Contact apparatus, Liquid and gas. R. P. Mase. 1,765,087; June 17.
 Contact apparatus, Liquid and gas. F. H. Wagner. 1,780,255; Nov. 4.
 Contact between immiscible liquids, Process and apparatus for securing temporary intimate. L. D. Jones. Re17,719; July 1.
 Contact closer. C. J. Anderson. 1,764,819; June 17.
 Contact device, Film-controlled. J. Tschopp. 1,747,037; Feb. 11.
 Contact device, High-frequency. A. M. Trogner. 1,766,049; June 24.
 Contact finger. J. Q. Gaubert. 1,763,145; June 10.
 Contact finger. J. F. Tritle. 1,776,138; Sept. 16.
 Contact finger for relays. J. F. Merkel. 1,748,918; Feb. 25.
 Contact for channel brush switches. A. Corbett. 1,765,569; June 24.
 Contact making and breaking device. J. R. Boutell. 1,772,572; Aug. 12.
 Contact-making device. R. K. Bonell. 1,759,933; May 27.
 Contact mass, Preparing. K. B. John, C. W. Coslow, and C. J. Schwindt. 1,764,024; June 17.
 Contact mechanism, Electrical. G. S. Faber. 1,762,219; June 10.
 Contact mechanism for electric clocks. W. E. Porter. 1,760,661; May 27.
 Contact member for electric switches. G. Jansson. 1,763,356; June 10.
 Contact-mounting means. S. M. Day. 1,748,912; Feb. 25.
 Contact-switch box, Push-button. H. W. Hoffmaster and F. H. Howard. 1,769,739; July 1.
 Contacting device, Electrical. E. S. True. 1,769,279; July 1.
 Contactor hanger. H. A. Brown. 1,743,423; Jan. 14.
 Contacts of electric switches, Protecting. C. W. Kuhn. 1,758,752; May 13.
 Container. J. E. Annen. 1,775,416; Sept. 9.
 Container. H. B. Barroll. 1,746,332; Feb. 11.
 Container. S. A. Bennett. 1,744,712; Jan. 21.
 Container. M. H. Borzin. 1,764,241; June 17.
 Container. C. B. Cadwallader. 1,773,947; Aug. 26.
 Container. A. J. Chamberlain. 1,770,892; July 15.
 Container. L. A. Danco. 1,775,088; Sept. 9.
 Container. F. J. Funke. 1,782,120; Nov. 18.
 Container. J. E. Gunter. 1,755,441-2; Apr. 22.
 Container. G. D. Hauser. 1,749,581; Mar. 4.
 Container. G. O. Holben. 1,768,064; June 24.
 Container. S. Horowitz. 1,743,351; Jan. 14.
 Container. G. T. Horton. 1,778,944; Oct. 21.
 Container. E. Huff. 1,776,358; Sept. 23.
 Container. E. F. Hulbert. 1,753,928; Apr. 8.
 Container. M. J. Kelling. 1,779,132; Oct. 21.
 Container. H. L. Kelly. 1,770,701; July 15.
 Container. H. Kielberg. 1,751,926-7; Mar. 25.
 Container. M. Leisse. 1,751,341; Mar. 18.
 Container. N. S. McEwen. 1,779,182; Oct. 21.
 Container. H. Nias and W. Poster. 1,766,226; June 24.
 Container. H. M. Nicholls. 1,754,482; Apr. 15.
 Container. H. M. Nicholls. 1,757,208; May 6.
 Container. H. Quiggin and J. Wood. 1,757,814; May 6.
 Container. H. R. Stubbs and F. Watson. 1,774,299; Aug. 26.
 Container. F. C. Traver. 1,773,652; Aug. 19.
 Container. O. L. Valentine. 1,775,228-9; Sept. 9.
 Container. G. P. Visscher. 1,749,680; Mar. 4.
 Container. G. T. Voorhees. 1,759,176; May 20.
 Container. J. D. Walsh and L. C. Antrim. 1,770,021; July 8.
 Container. H. Wildberg. 1,754,183; Apr. 8.
 Container. J. M. Young. 1,754,452; Apr. 15.
 Container. A. Zauder. 1,762,943; June 10.
 Container and cap therefor. J. F. Blyth. 1,778,933; Oct. 21.
 Container and display device, Combination. H. C. Warner. 1,787,222; Dec. 30.
 Container and handle means. W. H. Duggan. 1,769,179; July 1.
 Container and hinged lids therefor, Article. C. S. Baron. 1,743,520; Jan. 14.
 Container and making the same. J. H. Kuechenmeister. 1,744,973; Jan. 28.
 Container and means for holding said containers in co-operation. L. J. Fairbanks. 1,784,516; Dec. 9.
 Container and measuring spoon therefor. W. J. La Tourrette. 1,768,771; July 1.
 Container and method of opening it, Sanitary food. H. Karl. 1,773,362; Aug. 19.
 Container and producing the same. G. H. Peal. 1,747,596; Feb. 18.
 Container and pyrophoric lighter, Combined cigarette. L. V. Aronson. Des. 80,770; Mar. 25.
 Container and stropping device for razors, Combined. J. A. D. Watt. 1,780,053; Oct. 28.
 Container and testing base for electrical instruments, Combined. A. E. Finley. 1,758,568; May 13.
 Container and the like and bracing for the same. J. Kjekstad. 1,743,459; Jan. 14.
 Container, Auxiliary. H. M. Greist. 1,762,331; June 10.
 Container, Beverage. A. Danciger. 1,770,480; July 15.
 Container, Beverage. C. Ellis. 1,778,937; Oct. 21.
 Container, Bogie. G. McCall, Woodside, and J. E. Reid. 1,774,181; Aug. 26.
 Container, Bottle. C. T. Neltzel. 1,752,502; Apr. 1.
 Container cap. J. P. Burke. Des. 80,408; Jan. 28.
 Container cap. R. A. Graham. 1,775,279; Sept. 9.
 Container cap, Pressure dispensing. K. A. Weber. 1,744,426; Jan. 21.
 Container cap, Self opening and closing. R. R. Rundell. 1,752,700; Apr. 1.
 Container cap, Self opening and closing. R. R. Rundell. 1,776,395; Sept. 23.
 Container, Capped. C. Barbieri. 1,747,212; Feb. 18.
 Container, Chemical. M. Keim. 1,757,530; May 6.
 Container, Cigarette. H. C. Stoll. 1,777,813; Oct. 7.
 Container, Cigarette slide. W. F. Grupe. 1,755,579; Apr. 22.
 Container closure. E. Müller. 1,755,015; Apr. 15.
 Container closure. V. Odquist. 1,773,850; Aug. 26.
 Container closure. W. H. Rose. 1,775,356; Sept. 9.
 Container, Collapsible. R. F. Reubush. 1,754,403; Apr. 15.
 Container, Collapsible. A. H. Rosenthal. 1,763,724; June 17.
 Container, Combined shipping and display. W. F. Punte. 1,765,383; June 24.
 Container, Cooked-food. D. Whittier. 1,775,447; Sept. 9.
 Container, Cooky-display. H. Marsh. Des. 82,100; Sept. 23.
 Container, Cooling. E. Thomson. Re17,826; Oct. 14.
 Container, Corncob. H. W. Tool. 1,765,111; June 17.
 Container, Cosmetic. C. T. Smith. 1,774,767; Sept. 2.
 Container-cover stay. C. H. Emery. 1,776,944; Sept. 30.
 Container, Cracker. L. H. Boattenhamer. Des. 81,225; May 27.
 Container, Decorated. L. Michael. 1,773,926; Aug. 26.
 Container, Decorative. F. Eberhart. 1,773,972; Aug. 26.
 Container, Disinfecting. A. L. Feldman. 1,782,919; Nov. 25.
 Container, Dispensing. G. M. Sacerdote. 1,764,352; June 17.
 Container, Dispensing. H. E. Schulse. 1,780,508; Nov. 4.
 Container, Dispensing. H. T. Trautvetter. 1,763,449; June 10.
 Container, Display. E. Y. Crossmore. 1,765,299; June 17.
 Container, Display. E. E. Darragh. 1,775,338; Sept. 9.
 Container, Display packer's. W. B. Smith. 1,748,852; Feb. 25.
 Container, Document. J. Moffatt. 1,743,899; Jan. 14.
 Container, Drop-bottom shipping. F. K. Fildes. 1,760,305; May 27.
 Container, Easy-opening. C. J. Aulbach and W. F. Punte. 1,750,380; Mar. 11.
 Container, Egg. H. C. Johnson. 1,763,588; June 10.
 Container, Face-powder. A. E. Sierad. Des. 82,960; Dec. 30.
 Container, Face-powder. M. Sierad. Des. 82,709; Dec. 2.
 Container, Fiber. P. F. Boeye. 1,743,702; Jan. 14.
 Container, Fibrous. L. C. Brooks. 1,758,917; May 20.
 Container, Fibrous. M. Small. 1,760,325; May 27.
 Container, Flash-light. P. R. Puckett. 1,772,266; Aug. 5.
 Container, Folding. I. Appelbaum. 1,783,068; Nov. 25.
 Container, Folding. E. A. Lee. 1,780,135; Oct. 28.
 Container, Folding. E. A. Lee. 1,780,137; Oct. 28.
 Container, Folding. W. W. Reys and J. Baer. 1,747,601; Feb. 18.
 Container, Folding, packing, and display. A. J. Tanner. 1,759,470; May 20.
 Container, Food. J. P. Cooper. 1,757,448; May 6.

- Container, Food-product. F. J. McDonough. Des. 82,339; Oct. 21.
- Container for adhesives and the like. J. D. Freeman. 1,743,204; Jan. 14.
- Container for aircrafts, Gas. K. Huerttle. 1,763,586; June 10.
- Container for barbers, Sterilizing. C. C. Betzer. 1,786,594; Dec. 30.
- Container for butter tubs or the like, Protecting. R. G. Wichner. 1,750,204; Mar. 11.
- Container for coiled springs, Strip. B. R. Schneider. 1,777,020; Sept. 30.
- Container for corrosive materials. R. M. Meiklejohn. 1,778,532; Oct. 14.
- Container for cosmetic powder. J. L. Younghusband. 1,744,191; Jan. 21.
- Container for dry-ice packs. L. W. Fountain. 1,765,226; June 17.
- Container for fluids. L. H. Kramer. 1,775,400; Sept. 9.
- Container for gramophone disk records. J. Coenen. 1,775,018; Sept. 2.
- Container for ice cream, Edible. B. Smith. Des. 82,455; Nov. 4.
- Container for lip sticks and the like. A. Janer. 1,764,452; June 17.
- Container for liquid medicine, Dispensing. R. P. Hoover. 1,742,809; Jan. 7.
- Container for liquids or gases under pressure and making the same. J. J. McBride. 1,748,138; Feb. 25.
- Container for live chicks, Shipping. W. D. Lane. 1,744,125; Jan. 21.
- Container for manufactured tobacco. H. P. Taylor. 1,762,428; June 10.
- Container for material for imparting radium emanations to fluids, Perforated. S. Bryan. Des. 80,478; Feb. 11.
- Container for moth balls. M. Belbin. 1,758,347; May 13.
- Container for oils, etc. H. A. Dohrmann. 1,761,072; June 3.
- Container for packing tobacco. H. P. Taylor. 1,762,429; June 10.
- Container for pastry or the like. J. Siciliani. Des. 82,526; Nov. 11.
- Container for plants. S. Tinaglia. 1,743,987; Jan. 14.
- Container for powder. M. M. Michelin. Des. 80,389; Jan. 21.
- Container for powders. J. T. Scully. 1,774,904; Sept. 2.
- Container for power units. T. A. Willard. 1,767,195; June 24.
- Container for removing carbon. C. F. Kettering. 1,783,921 Dec. 2.
- Container for rotary casting apparatus. F. G. Carrington. 1,776,541; Sept. 23.
- Container for semiliquid materials. A. E. J. de Couët. 1,772,887; Aug. 12.
- Container for sheets. H. L. De Lisle. 1,764,610; June 17.
- Container for storage and transport of liquefied gases. S. Braunstein. 1,781,048; Nov. 11.
- Container for surgical bandages. B. B. Flint. 1,752,163; Mar. 25.
- Container for tooth powder. W. F. Chappelle. 1,744,260; Jan. 21.
- Container for transporting and mixing concrete. A. C. Avril. 1,761,063; June 3.
- Container for use in automobile interior fitting or similar article. G. E. Thompson. Des. 80,919-24; Apr. 8.
- Container for viscous materials. Tubular. A. Hirth. 1,765,794; June 24.
- Container, Grease-dispensing. B. W. Mendenhall. 1,764,968; June 17.
- Container, handle, and top therefor and means of union thereof. C. S. Baron. 1,763,125; June 10.
- Container head. H. L. and J. N. Carpenter. 1,764,389; June 17.
- Container, igniter, and ejector, Combination cigarette. V. S. Werner. 1,782,081; Nov. 18.
- Container, Illuminated. F. B. Kaufman. 1,742,958; Jan. 7.
- Container, Impervious compressed-fluid. A. C. Badger. 1,753,259; Apr. 8.
- Container, Insecticide. J. P. Horn. 1,760,598; May 27.
- Container, Insecticide. J. P. Horn. 1,771,960; July 29.
- Container, Insecticide. J. Mercogliano. 1,743,827; Jan. 14.
- Container, Insulated. E. S. Johnson. 1,771,123; July 22.
- Container, Jewelry. J. M. Shields. Des. 82,646; Nov. 25.
- Container, Key. H. Bock. 1,760,469; May 27.
- Container, Knockdown. W. S. Woodman. 1,752,134; Mar. 25.
- Container label, Removable. B. Lennon. 1,769,147; July 1.
- Container liner, Ice-cream-. P. L. Goddard. 1,781,006; Nov. 11.
- Container-lining machine. F. Z. Kuhn. 1,745,936; Feb. 4.
- Container, Lip-stick or like. A. W. Miner. 1,772,221; Aug. 5.
- Container, Liquid. L. J. Stern. 1,750,334; Mar. 11.
- Container, Liquid. K. Tsuchiya. 1,776,458; Sept. 23.
- Container, Loose-powder. P. J. Callowhill and W. T. Parkin. 1,744,681; Jan. 21.
- Container, Loose-powder. W. T. Parkin. 1,783,160; Nov. 25.
- Container, Loose-powder. J. L. Younghusband. 1,775,182; Sept. 9.
- Container, Merchandise. A. F. Callison. 1,744,824; Jan. 28.
- Container, Merchandise-cover. W. E. Snaman. 1,750,821; Mar. 18.
- Container, Metal. C. J. Aulbach and E. D. Anderson. 1,765,478; June 24.
- Container, Metal. H. A. Fink. 1,761,714; June 3.
- Container, Mortuary-record. H. P. Hansen. 1,785,582; Dec. 16.
- Container, Multiple-compartment. G. A. Pfeiffer. 1,787,283; Dec. 30.
- Container, Nonadulterable. C. C. Hunicke. 1,777,408; Oct. 7.
- Container, Nonspillable. S. Kaufman. 1,756,249; Apr. 29.
- Container, Novelty. B. B. Deitel. 1,778,522; Oct. 14.
- Container, Novelty. J. A. Ruskin. 1,756,135; Apr. 29.
- Container, Oil-well torpedo. F. A. Sanders. 1,777,153; Sept. 30.
- Container or box for motor vehicles and the like, Shipping. J. Campbell. 1,787,305; Dec. 30.
- Container or tube for dentifrice. C. J. Penney. 1,760,773; May 27.
- Container, Packing. G. and R. Stabernack. 1,750,545; Mar. 11.
- Container, Packing and display. A. J. Tanner. 1,743,502; Jan. 14.
- Container, Packing and display. A. J. Tanner. 1,761,598; June 3.
- Container, Paper. G. Doscher. Re17,554; Jan. 7.
- Container, Paper. G. H. Gardner. 1,782,961; Nov. 25.
- Container, Paper. H. P. Kingsbury. 1,759,407; May 20.
- Container, Parachute. H. E. Parker. 1,758,170; May 13.
- Container, Pneumatically-discharged liquid. G. W. Hanson. 1,770,033; July 8.
- Container, Poison. J. S. Davis. 1,744,022; Jan. 14.
- Container, Poison. C. W. Hughett. 1,748,449; Feb. 25.
- Container, Reenforced. E. F. Hulbert. 1,753,929; Apr. 8.
- Container, Refrigerated. C. A. Baker. 1,748,324; Feb. 25.
- Container, Reserve dispensing. O. Willumsen. 1,750,205; Mar. 11.
- Container, Safety. S. Paull and S. Mandeltort. 1,760,604; May 27.
- Container, Safety milk-bottle. R. W. Parker. 1,784,073; Dec. 9.
- Container, Sanitary iceless shipping. E. Lené. 1,767,685; June 24.
- Container, Sectional ash. W. W. Shaw. 1,769,317; July 1.
- Container, Sharp-freezing. L. G. Copeman. 1,777,483; Oct. 7.
- Container, Sheet-metal. C. H. Rollason. 1,763,329; June 10.
- Container, Shipping. I. Warner. 1,750,074; Mar. 11.
- Container, Signal. H. H. Landess. 1,748,420; Feb. 25.
- Container, Slipper-display. L. C. Safr. 1,757,478; May 6.
- Container, Soap. C. Stanley. 1,743,905; Jan. 14.
- Container, Special. L. A. Becker and J. M. Munson. 1,756,919; Apr. 29.
- Container, Storage-battery. A. H. Snyder. 1,778,171; Oct. 14.
- Container-taping machine. G. E. Linn and W. H. Finckel, jr. 1,762,135; June 3.
- Container, Toilet accessories. R. Eberhardt. Des. 82,536; Nov. 11.
- Container, Toilet-accessories. A. G. Shields. Des. 81,732-3; July 29.
- Container, Transformer. A. F. Pieper. 1,759,997; May 27.
- Container, Tubular. A. L. Beardsley. 1,782,526; Nov. 25.
- Container underframe member for vehicles, Merchandise. A. F. Callison. 1,775,552; Sept. 9.
- Container, Vacuum. A. G. Clough. 1,768,571; July 1.
- Container, Vacuum. W. M. Myers. 1,755,333; Apr. 22.
- Container, Vacuum. F. Seigheim. 1,760,321; May 27.
- Container, Vacuum-walled. F. Siegheim. 1,760,378; May 27.
- Container, Water. T. G. Reynolds. 1,742,279; Jan. 7.
- Container with attached circular. P. F. Paige. 1,767,549; June 24.
- Container with friction top and hinge cover, Tin. E. J. Zoller. 1,755,042; Apr. 15.
- Container with lid for semifluid and thick substances, Metal. A. Nerre. 1,755,017; Apr. 15.
- Container with pipe-filling means, Tobacco. A. Schnabel. 1,769,550; July 1.
- Containers, Accessory for. F. Wolf. 1,787,061; Dec. 30.
- Containers, Apparatus for closing vacuumized. J. H. O'Neil. 1,761,488; June 3.
- Containers, Apparatus for filling. E. C. Angell. 1,743,304; Jan. 14.
- Containers, Apparatus for handling. H. H. C. Grondahl. 1,743,450; Jan. 14.
- Containers, Apparatus for making. L. Stevens. 1,760,288; May 27.
- Containers as caused by internal pressure, Device for ascertaining the expansion of. H. E. Sturcke. 1,776,524; Sept. 23.
- Containers, Attachment for. F. H. Axell. 1,782,886; Nov. 25.
- Containers, Attachment for. F. Wolf. 1,787,060; Dec. 30.
- Containers, Carrying and protecting device for. A. R. Reid. 1,778,772; Oct. 21.

- Containers, Combined opener and closure for paper milk. J. J. Schmerler. 1,785,599; Dec. 16.
- Containers, Device for cleaning liquid. P. R. Finch. 1,764,160; June 17.
- Control, Fuel-feed. B. Valjean. 1,785,160; Dec. 16.
- Containers, Liquid sealing means for. E. J. Levy. 1,747,308; Feb. 18.
- Containers, Making. F. A. Prah. 1,777,983; Oct. 7.
- Containers, Making edible. A. Rossi. 1,777,896; Oct. 7.
- Containers, Mechanism for curling the edges of irregular-shaped. C. J. Aulbach. 1,764,239; June 17.
- Containers, Method and apparatus for making flanged. H. H. Clark. 1,776,888; Sept. 30.
- Containers, Method of and apparatus for flanging. A. Mauser. 1,753,963; Apr. 8.
- Containers, Neck ring for compressed-gas. G. H. Zenner. 1,751,435; Mar. 18.
- Containers, Pouring attachment for. J. C. Wickers. 1,773,019; Aug. 12.
- Containers, Separator for. C. Brierley. 1,763,416; June 10.
- Containers, Treating the contents of. W. B. Fenn. 1,772,933; Aug. 12.
- Continuous extractor. F. L. Furbush. 1,755,214; Apr. 22.
- Continuous process of producing sponge rubber articles. B. B. Felix. 1,780,122; Oct. 28.
- Contraction and expansion joint, Combined. A. C. Fischer. 1,762,682; June 10.
- Contraction joint. A. C. Fischer. 1,769,989; July 8.
- Control, Accelerator. N. Z. Butterick. 1,766,877; June 24.
- Control, Aircraft. C. P. Kimble. 1,747,777; Feb. 18.
- Control, Air-lift. L. C. Mings, I. L. Dunn, and H. S. Crooks. 1,748,361; Feb. 25.
- Control and signal apparatus for liquid dispensers. L. R. Hartley. 1,747,509; Feb. 18.
- Control apparatus. H. D. Gregory. 1,766,510; June 24.
- Control apparatus. L. G. Riley. 1,764,415; June 17.
- Control apparatus. W. H. Smith. 1,764,420; June 17.
- Control apparatus. A. Waltemath. 1,751,374; Mar. 18.
- Control apparatus. J. T. Welsh. 1,753,975; Apr. 8.
- Control apparatus. E. Willhelm. 1,750,078; Mar. 11.
- Control apparatus and circuit arrangement, Train-. F. J. Sprague. 1,742,421; Jan. 7.
- Control apparatus. Combustion-. T. A. Peebles. 1,754,965; Apr. 15.
- Control apparatus, Electric. K. Kuntze, A. Haller, and E. Wirz. 1,766,656; June 24.
- Control apparatus for electrically-operated elevator signals. F. E. Kalte. 1,763,361; June 24.
- Control apparatus for miniature boats, Remote-. R. Edgar. 1,773,973; Aug. 26.
- Control apparatus, Light-ray-. L. D. Pickett. 1,745,810; Feb. 4.
- Control apparatus, Master. L. E. Spray. 1,780,658; Nov. 4.
- Control apparatus, Remote. C. W. Bell. 1,779,418; Oct. 28.
- Control apparatus, Remote. P. P. Stoker. 1,781,963; Nov. 18.
- Control apparatus, Thermostatic. R. E. Newell. 1,780,093; Oct. 28.
- Control apparatus, Variable-speed motor-. C. C. Runner. 1,761,748; June 3.
- Control arrangement, Automatic. H. A. McCrea. 1,777,175; Sept. 30.
- Control, Automatic cathode jerk-line. W. W. Foster. 1,745,988; Feb. 4.
- Control, Automatic door. W. Koch. 1,749,186; Mar. 4.
- Control, Automatic emergency. W. Hoff. 1,751,084; Mar. 18.
- Control, Automatic gas-burner. H. and R. M. Brady. 1,773,612; Aug. 19.
- Control, Automatic liquid-level. J. C. Caraway. 1,744,723; Jan. 28.
- Control, Automatic oven-temperature. J. P. Schoenberger. 1,746,908; Feb. 11.
- Control, Automatic stoker. L. Garrison. Re17,820; Oct. 7.
- Control, Carburetor choke. W. T. Hunt. 1,775,127; Sept. 9.
- Control, Combined time and temperature. R. D. Smith. 1,773,883; Aug. 26.
- Control, Cooling-fluid. H. A. Smith. 1,752,116; Mar. 25.
- Control, Cycle current. W. B. Jones. 1,755,479; Apr. 22.
- Control device. E. J. Dillman. 1,780,417; Nov. 4.
- Control device. O. Edelman. 1,759,046; May 20.
- Control device. H. J. L. Frank. 1,786,010; Dec. 23.
- Control device. M. B. Grout. 1,783,645; Dec. 2.
- Control device. G. W. McKee. 1,752,534; Apr. 1.
- Control device. G. W. McKee. 1,779,978; Oct. 28.
- Control device. G. C. Pearce. 1,745,864; Feb. 4.
- Control device. M. C. Terry. 1,757,602; May 6.
- Control device, Automatic. F. W. Hild. 1,744,223; Jan. 21.
- Control device, Auxiliary. A. B. Frenier. 1,747,357; Feb. 18.
- Control device, Balanced flow-. L. A. Wilson. 1,742,456; Jan. 7.
- Control device, Choke-. C. A. Martin and W. Orth. 1,754,028; Apr. 8.
- Control device, Door and brake. F. B. Thomas. 1,778,129; Oct. 14.
- Control device, Electrical. C. E. Vawter. 1,744,995; Jan. 28.
- Control device, Expression-. G. A. Forsberg. 1,750,261; Mar. 11.
- Control device, Fluid-. A. P. Plaut. 1,762,193; June 10.
- Control device for aircraft, Automatic. C. Groh. 1,754,790; Apr. 15.
- Control device for automobile heaters. H. H. Imingen. 1,779,472; Oct. 28.
- Control device for carburetors, Remote. F. L. Hammer, W. R. Smith, and S. Esborn. 1,780,522; Nov. 4.
- Control device for cash registers, Indicator-. W. L. Paden. 1,770,708; July 15.
- Control device for electric illuminated signs. W. Ostermayer. 1,755,267; Apr. 22.
- Control device for fuel-feeding mechanism. G. Hayn. 1,746,350; Feb. 11.
- Control device for heating systems. G. C. Hunt. 1,782,653; Nov. 25.
- Control device for heating systems. W. F. Klockau. 1,773,585; Aug. 19.
- Control device for machine guns. L. Beaujard. 1,772,066; Aug. 5.
- Control device for mixing machines. A. H. Plate. 1,754,284; Apr. 15.
- Control device for pasting devices. G. Hartman. 1,776,069; Sept. 16.
- Control device for the fuel-supply pumps of injection-type internal-combustion engines. Joseph C. Groff. 1,771,037; July 22.
- Control device, Liquid-feed-. G. F. Ferguson. 1,770,591; July 15.
- Control device, Multiple-. J. J. Mitchell. 1,760,710; May 27.
- Control device, Remote. C. B. Mirick. 1,743,078; Jan. 7.
- Control device, Resistance-. G. J. Meuer and W. C. Stevens. 1,742,364; Jan. 7.
- Control device, Rotary-motion-. U. E. Wood. 1,764,090; June 17.
- Control device, Saw grinding and gumming. H. Cunningham and L. C. Schwartz. 1,769,016; July 1.
- Control device, Window-. O. G. Joseph. 1,780,080; Oct. 28.
- Control device, Window-. W. Quick and F. W. Berwick. 1,770,087; July 8.
- Control, Digger-bucket. H. G. Sabin. 1,748,400; Feb. 25.
- Control, Electric boiler-feed. R. A. Archibald. 1,747,498; Feb. 18.
- Control equipment, Automatic. H. Bany. 1,746,182; Feb. 4.
- Control equipment, Automatic. E. L. Hough. 1,786,303; Dec. 23.
- Control equipment, Automatic. G. R. McDonald. 1,746,124; Feb. 4.
- Control equipment, Automatic. H. T. Seeley. 1,777,230; Sept. 30.
- Control finger. A. C. Catlin and M. J. Lambert. 1,746,636; Feb. 11.
- Control for aeroplanes, Automatic. R. Fedrizzi. 1,781,633; Nov. 11.
- Control for aeroplanes, Automatic landing. W. L. Isom. 1,779,168; Oct. 21.
- Control for air conditioners. C. A. Bulkeley. 1,770,765; July 15.
- Control for concrete-mixing machines, Automatic. J. Daniel. 1,759,808; May 20.
- Control for direct-current generators. A. F. Masury, W. B. Jupp, and F. E. Queeney. 1,765,088; June 17.
- Control for door latches, Remote. F. D. Grund and H. W. Rightmyer. 1,760,491; May 27.
- Control for electric advertising signs. E. M. Rosenfield. 1,782,883; Nov. 25.
- Control for electrical attachments, Automatic. R. Kauch and C. L. Paulus. 1,745,934; Feb. 4.
- Control for electric heaters, Thermostatic. S. M. and J. H. Carmean. 1,780,462; Nov. 4.
- Control for electric motors, Reverse. M. Brown. 1,776,413; Sept. 23.
- Control for electric motors, System of remote. J. Alt-mayer. 1,766,808; June 24.
- Control for electric sirens, Automatic. M. Reule. 1,753,579; Apr. 8.
- Control for electric steam boilers, Automatic. G. Mascarina. 1,742,406; Jan. 7.
- Control for evaporators, Automatic. O. Frey. 1,766,622; June 24.
- Control for gas stoves, Safety. C. Peebles. 1,749,085; Mar. 4.
- Control for heating plants, Automatic. L. G. L. Thomas. 1,782,489; Nov. 25.
- Control for internal-combustion engines, Automatic. D. Davison and W. L. Corson. 1,747,578; Feb. 18.
- Control for internal-combustion engines, Charge-heating. J. R. Francis. 1,749,246; Mar. 4.
- Control for motor cars, Foot. H. J. Ries. 1,747,083; Feb. 11.
- Control for motor vehicles, Auxiliary. H. T. Backus. 1,748,041; Feb. 18.
- Control for natural-gas engines, Automatic fuel. W. C. Lambing. 1,749,492; Mar. 4.
- Control for oil filters. C. R. Short. 1,780,723; Nov. 4.
- Control for reverse lock mechanisms, Automatic. C. P. Cirac. 1,748,410; Feb. 25.
- Control for steam generators, Low-water. W. E. Baker and R. C. Aland. 1,746,574; Feb. 11.

- Control for synchronized sound and motion pictures, Film. H. W. Rogers. 1,747,558; Feb. 18.
- Control for warning devices, Remote. C. A. Campbell. 1,747,049; Feb. 11.
- Control for well flowing devices, Automatic. A. Boynton. 1,747,570; Feb. 18.
- Control for windshields and car interiors, Hot-air. W. W. Graham. 1,767,446; June 24.
- Control, Generator. E. W. Seeger. 1,760,088; May 27.
- Control head closure, Hydraulic. S. S. Bradshaw and C. A. Martindale. 1,750,211; Mar. 11.
- Control, Hydraulic chassis. E. K. Baker. 1,770,096; July 8.
- Control in radio systems, Carrier amplitude. R. S. Ohl. 1,744,836; Jan. 28.
- Control instrument. R. Hofstetter. 1,749,983; Mar. 4.
- Control means, Combination discharge and inflow. M. S. Young. 1,772,474; Aug. 12.
- Control means, Electric circuit. A. J. May. 1,760,763; May 27.
- Control means for aeroplanes, Ground. W. A. Meador. 1,748,517; Feb. 25.
- Control means for bins, hoppers, etc., Feed. B. G. Klugh. 1,778,393; Oct. 14.
- Control means for burners, Liquid-fuel-supply. L. G. de Kermor. 1,770,913; July 22.
- Control means for door closers. L. C. Norton. 1,770,250; July 8.
- Control means for irrigation ditches. J. Dorazio. 1,771,112; July 22.
- Control means for motor-driven devices. R. G. Lockett. 1,760,600; May 27.
- Control means for power-operated mechanisms. P. P. Dean. 1,764,936; June 17.
- Control means for self-serving stores, Customer. R. A. Stevenson. 1,771,659; July 29.
- Control means for superregenerative receiver. R. A. Clausnitzer. 1,754,264; Apr. 15.
- Control means for valves. F. A. Klouman. 1,769,845; July 1.
- Control means for variable-speed transmissions. D. R. Francis. 1,785,733; Dec. 23.
- Control mechanism. C. J. Klein. 1,757,773; May 6.
- Control mechanism. J. B. MacNeill, A. N. Bakken, and C. A. Tucker. 1,763,168; June 10.
- Control mechanism. C. H. Quinn. 1,743,621; Jan. 14.
- Control mechanism. W. M. Scott and G. A. Pack. 1,748,497; Feb. 25.
- Control mechanism. H. F. Smith. 1,761,849; June 3.
- Control mechanism. F. A. Trinkle. 1,772,597; Aug. 12.
- Control mechanism and game. F. R. Chester. 1,776,105; Sept. 16.
- Control mechanism, Automatic. F. Schaum. 1,767,901; June 24.
- Control mechanism for aircraft. J. G. Yonkese. 1,747,564; Feb. 18.
- Control mechanism for calculating machines. J. H. F. Silver. 1,775,326; Sept. 9.
- Control mechanism for coin-controlled machines. C. W. Nixon. 1,753,089; Apr. 1.
- Control mechanism for color-projecting machines. A. J. Oberg and R. R. Stoefer. 1,761,361; June 3.
- Control mechanism for concrete mixers. E. H. Lichtenberg. 1,780,932; Nov. 11.
- Control mechanism for conveyers. N. H. Preble. 1,786,085; Dec. 23.
- Control mechanism for electric motors. V. L. Tannehill. 1,783,634; Dec. 2.
- Control mechanism for fuel gases, Automatic. J. S. Fuller. 1,743,127; Jan. 14.
- Control mechanism for grain car unloading apparatus. A. B. Christy. 1,780,578; Nov. 4.
- Control mechanism for hot-blast stoves. F. R. McGee. 1,770,277; July 8.
- Control mechanism for mechanical refrigerating apparatus. J. R. Replogle. 1,764,749; June 17.
- Control mechanism for metal planers. R. Gillham, T. Addison, F. Wetzel, and G. Langen. 1,760,639; May 27.
- Control mechanism for movable elements. I. E. Brown and N. Hoffman. 1,760,472; May 27.
- Control mechanism for open-side planers. J. Jenne. 1,774,061; Aug. 26.
- Control mechanism for paper-making machines. D. E. Lewellen and G. R. Zecher. 1,768,325; June 24.
- Control mechanism for power-transmission gearing. P. C. Saccaggio. 1,754,181; Apr. 8.
- Control mechanism for pressure-fluid-supply lines. C. W. Simmons. 1,779,252; Oct. 21.
- Control mechanism for vending machines. W. A. Tratsch. 1,766,152; June 24.
- Control mechanism, Interlocking. W. L. Libby and E. Huger. 1,776,633; Sept. 23.
- Control mechanism, Thermostatic. D. H. Hill. 1,777,041; Sept. 30.
- Control mechanism, Turbine. C. B. Campbell. 1,777,461; Oct. 7.
- Control, Multistage-bleeder-turbine. R. Marsland. 1,777,470; Oct. 7.
- Control of aeroplanes and the like. M. L. Bramson. 1,760,740; May 27.
- Control of brakes or clutches, Graduated magnetic. F. L. Johnston. 1,748,773; Feb. 25.
- Control of electroresponsive devices. J. W. McNairy and J. F. Tritle. 1,771,935; July 29.
- Control of lift and balance of aircraft. C. A. Wragg. 1,756,272; Apr. 29.
- Control of motion-picture-projecting machines, Apparatus for the automatic. E. F. Zimmerman. 1,748,199; Feb. 25.
- Control of radiocircuits. L. F. Dyer. 1,748,640; Feb. 25.
- Control of railway-car retarders, Apparatus for the. L. E. Spray. 1,776,866; Sept. 30.
- Control of track indicators, Apparatus for the. L. E. Spray. 1,748,464; Feb. 25.
- Control of train movements, Method of and apparatus for. F. J. Sprague. 1,780,148; Oct. 28.
- Control of turboalternators, Automatic. T. R. Warren. 1,780,691; Nov. 4.
- Control or power lever mechanism. A. J. McEwan. 1,780,713; Nov. 4.
- Control, Power-actuated throttle-valve. A. Williams. 1,777,819; Oct. 7.
- Control relay and system, Traffic. J. J. Bevington and E. N. Rosenberg. 1,744,822; Jan. 28.
- Control surface for aircraft, submersibles, and the like. L. G. Frise. 1,785,620; Dec. 16.
- Control-surface-operating mechanism. R. H. Depew, jr. 1,759,442; May 20.
- Control switch. G. E. Boggs. 1,749,693; Mar. 4.
- Control switch. H. E. Chipman. 1,781,892-3; Nov. 18.
- Control switch. A. J. Kercher. 1,757,314; May 6.
- Control switch apparatus, Automatic. T. R. Harrison. 1,743,774; Jan. 14.
- Control switch, Combination. C. P. Dougherty. 1,782,530; Nov. 25.
- Control switch, Multiple. W. L. Walker. 1,773,830; Aug. 26.
- Control switch, Signal. N. Gregorieff. 1,777,362; Oct. 7.
- Control system. E. F. W. Alexanderson. 1,787,299; Dec. 30.
- Control system. A. E. Anderson. 1,773,022; Aug. 12.
- Control system. A. E. Anderson. 1,780,664; Nov. 4.
- Control system. H. Bany. 1,771,909; July 29.
- Control system. C. B. Bartley and V. H. Dake. 1,765,045; June 17.
- Control system. J. H. Bell. 1,768,283; June 24.
- Control system. D. K. Blake. 1,785,611; Dec. 16.
- Control system. D. K. Blake. 1,785,722; Dec. 16.
- Control system. J. A. Clarke, jr. 1,768,745; July 1.
- Control system. W. G. Cook. 1,753,983; Apr. 8.
- Control system. L. I. Davis. 1,768,122; June 24.
- Control system. W. N. Gittings. 1,752,842; Apr. 1.
- Control system. G. E. Greenleaf and R. C. Deale. 1,759,551; May 20.
- Control system. A. L. Harvey. 1,768,760; July 1.
- Control system. E. L. Hough. 1,780,676; Nov. 4.
- Control system. F. Hymans. 1,771,459; July 29.
- Control system. F. W. Kaufmann. 1,744,228; Jan. 21.
- Control system. J. D. Lewis, B. N. Jones, and A. H. Schlaf. 1,764,877; June 17.
- Control system. C. A. Martin. 1,750,481; Mar. 11.
- Control system. B. F. Meador. 1,784,639; Dec. 9.
- Control system. R. Y. McCullough. 1,783,048; Nov. 25.
- Control system. R. Y. McCullough. 1,786,310; Dec. 23.
- Control system. W. J. McLachlan. 1,785,714; Dec. 16.
- Control system. P. McShane. 1,758,709; May 13.
- Control system. H. S. Pardee. 1,784,310; Dec. 9.
- Control system. A. Pinto. 1,764,886; June 17.
- Control system. A. Pinto. 1,771,463-4; July 29.
- Control system. M. Robison. 1,764,349; June 17.
- Control system. W. M. Scott. 1,752,353; Apr. 1.
- Control system. H. T. Seeley. 1,768,423; June 24.
- Control system. G. E. Stoltz. 1,745,873; Feb. 4.
- Control system. P. H. Taylor. 1,775,540; Sept. 9.
- Control system. K. Von Kand6. 1,786,799; Dec. 30.
- Control system. D. C. West. 1,753,958; Apr. 8.
- Control system. F. P. Whitaker and C. J. Sarjeant. 1,747,095; Feb. 11.
- Control system. T. U. White. 1,765,474; June 24.
- Control system and apparatus. G. R. Townsend. 1,755,139; Apr. 15.
- Control system, Automatic. D. K. Blake. 1,785,719; Dec. 16.
- Control system, Automatic. J. W. Bryce. 1,763,033; June 10.
- Control system, Automatic. D. R. MacLeod, F. D. King, and E. L. Hough. 1,754,027; Apr. 8.
- Control system, Automobile. M. Stevenson and J. Good. 1,771,866; July 29.
- Control system, Automotive. F. S. Broadhurst. 1,750,159; Mar. 11.
- Control system, Carrier-amplitude. E. I. Green. 1,745,415; Feb. 4.
- Control system, Drainage. J. M. Barrett. 1,770,831; July 15.
- Control system for electric motors. J. F. Schnabel. 1,773,409; Aug. 19.
- Control system for elevators. W. F. Eames. 1,769,054; July 1.
- Control system for elevators. A. Pinto. 1,764,885; June 17.
- Control system for furnace stokers. W. A. Hare. 1,769,641; July 1.
- Control system for machine guns, Synchronized. R. C. Coupland. 1,750,706; Mar. 18.
- Control system for machine guns, Synchronized. R. C. Coupland. 1,770,125; July 8.

- Control system for oil burners. D. R. Martin. 1,761,018; June 3.
- Control system for radioreceivers. B. Washington and W. Aull, jr. 1,746,690; Feb. 11.
- Control system for rolling mills. H. C. Jenks. 1,764,312; June 17.
- Control system, Gas-supply-. E. F. Randall. 1,770,012; July 8.
- Control system, High-frequency. M. Osnos. 1,745,378; Feb. 4.
- Control system, Hydraulic. C. V. Foulds. 1,762,813; June 10.
- Control system, Motor-. J. Eaton. 1,743,760; Jan. 14.
- Control system, Motor-. N. L. Mortensen and C. Stansbury. 1,771,896; July 29.
- Control system, Motor-. W. J. Neustedter. 1,759,204; May 20.
- Control system, Multispeed-motor-. E. D. Harrington. 1,743,772; Jan. 14.
- Control system, Radiant-energy. H. D. Colman. 1,760,479; May 27.
- Control system, Remote. H. E. Allen. 1,783,820; Dec. 2.
- Control system, Remote. R. A. Heising. 1,778,761; Oct. 21.
- Control system, Remote. M. L. Nelson. 1,765,538; June 24.
- Control system, Remote. J. F. Nielsen. 1,782,907; Nov. 25.
- Control system, Remote. W. F. Vieth. 1,763,203; June 10.
- Control system, Remote light-. H. J. Murray. 1,742,614; Jan. 7.
- Control system, Self-regulating. E. F. Geiger. 1,745,924; Feb. 4.
- Control system, Supervisory. J. E. Gardner. 1,744,220; Jan. 21.
- Control system, Supervisory. J. L. McCoy. 1,765,494; June 24.
- Control system, Supervisory. R. J. Wensley. 1,745,071-2; Jan. 28.
- Control system, Supervisory. R. J. Wensley. 1,749,553; Mar. 4.
- Control system, Vehicle door-. P. R. Forman. 1,770,484; July 15.
- Control, Throttle-operated spark. H. A. Schwager. 1,761,538; June 3.
- Control, Traffic-signal. W. W. Shoemaker. 1,779,919; Oct. 28.
- Control, Transmission. J. I. Muncy. 1,747,179; Feb. 18.
- Control unit, Concentrated. A. M. Morrison. 1,755,451; Apr. 22.
- Control, Unit heater. H. W. Sweatt. 1,768,941; July 1.
- Control, Volume. S. Tarzian. 1,755,310; Apr. 22.
- Control, Water-feed. W. G. Holmes. 1,769,836; July 1.
- Control, Window-curtain. J. F. Currivan. 1,758,220; May 13.
- Controllable auxiliary wings for airplanes. C. H. Gunn. 1,755,540; Apr. 22.
- Controlled operating mechanism, Reverse-. D. C. Sherman. 1,749,783; Mar. 11.
- Controller. E. J. Abbe. 1,783,763; Dec. 2.
- Controller. J. Eaton. 1,751,400; Mar. 18.
- Controller. D. E. and E. F. Lewellen. Re17,767; Aug. 12.
- Controller construction. L. A. Watson. 1,748,159; Feb. 25.
- Controller finger. T. E. Langen. 1,768,913; July 1.
- Controller, Fluid. R. T. Roye. 1,757,439; May 6.
- Controller for dental engines. H. E. Weber. 1,763,995; June 17.
- Controller for electric-motor-driven machinery. N. L. Mortensen. 1,767,606; June 24.
- Controller for electric motors. E. W. Seeger. 1,771,902; July 29.
- Controller for electrically-operated skip hoists. P. B. Harwood. 1,771,255; July 22.
- Controller for refrigerating systems, Automatic. L. Bruehl. 1,764,196; June 17.
- Controlling apparatus. M. B. Harris. 1,742,766; Jan. 7.
- Controlling apparatus. J. Ryffel. 1,775,501; Sept. 9.
- Controlling device. H. Holzwarth. 1,763,154; June 10.
- Controlling device. B. W. Jones. 1,786,306; Dec. 23.
- Controlling device. F. C. Kinney and W. T. Stockton. 1,780,752; Nov. 4.
- Controlling device. A. J. Weatherhead, jr. 1,750,697; Mar. 18.
- Controlling device. Ed. Uher, jr. 1,771,905; July 29.
- Controlling device for awnings. J. H. Stone. 1,778,404; Oct. 14.
- Controlling device for heat transference in refrigerators. L. Bruehl and L. Reichert. 1,764,194; June 17.
- Controlling device for ships' steering gears. J. J. Crain. 1,747,349; Feb. 18.
- Controlling device for winding and roll-ejecting mechanism, Interconnected. R. McC. Johnstone. 1,760,362; May 27.
- Controlling means. H. F. Stevens. 1,754,655; Apr. 15.
- Controlling means for electric switches. C. H. Teesdale. 1,760,382; May 27.
- Controlling mechanism. F. D. Hardesty. 1,768,518; June 24.
- Controlling mechanism. F. D. Holdsworth. 1,785,956; Dec. 23.
- Controlling mechanism, Automatic. A. J. Frame. 1,781,453; Nov. 11.
- Controlling mechanism for directional signals. J. P. Bedford. 1,768,538; July 1.
- Controlling mechanism for drying tumblers. E. J. Carroll. 1,786,191; Dec. 23.
- Controlling mechanism for power-driven calculating machines. A. A. Horton. 1,781,689; Nov. 18.
- Controlling mechanism for steam engines and the like. G. Holmes. 1,778,191; Oct. 14.
- Controlling system. C. F. Linkenheld. 1,764,636; June 17.
- Controlling vibratory systems, Method and apparatus for. J. W. Legg. 1,746,661; Feb. 11.
- Converter. G. Jakova-Merturi. 1,743,561; Jan. 14.
- Convertible bench. M. L. Greenstreet. 1,757,960; May 13.
- Convertible chair. J. K. Prassas. 1,751,599-600; Mar. 25.
- Convertible chair. W. B. Stout. 1,767,488; June 24.
- Convertible table. A. Frazzano. 1,762,773; June 10.
- Convertible table. F. A. Ogburn. 1,777,700; Oct. 7.
- Converting apparatus. A. S. Fitz Gerald. 1,752,247; Mar. 25.
- Converting furnace. T. M. Kekich. 1,774,486; Aug. 26.
- Converting machine. T. L. Young. 1,744,292; Jan. 21.
- Conveyer. C. W. Aiken. 1,768,534; July 1.
- Conveyer. S. W. Avis. 1,763,738; June 17.
- Conveyer. W. R. Bankson. 1,764,143; June 17.
- Conveyer. C. N. Bebinger. 1,759,085; May 20.
- Conveyer. J. A. Bettin. 1,766,052; June 24.
- Conveyer. R. L. Brown. 1,743,878; Jan. 14.
- Conveyer. F. C. Coll. 1,744,106; Jan. 21.
- Conveyer. P. W. Dalrymple. 1,743,324; Jan. 14.
- Conveyer. H. C. Dodge and W. H. Beane. 1,781,750; Nov. 18.
- Conveyer. R. D. Eaglesfield. 1,746,697; Feb. 11.
- Conveyer. G. E. Edmunds. 1,764,288; June 17.
- Conveyer. F. L. Furbush. 1,769,992; July 8.
- Conveyer. P. Goebels. 1,757,832; May 6.
- Conveyer. H. Gross. 1,770,369; July 8.
- Conveyer. R. C. Haiss. 1,778,526; Oct. 14.
- Conveyer. J. W. Hornsey. 1,782,423; Nov. 25.
- Conveyer. T. S. Knap. 1,772,577; Aug. 12.
- Conveyer. F. C. Krummel. 1,769,348; July 1.
- Conveyer. N. D. Lévin. 1,770,650; July 15.
- Conveyer. A. R. McArthur. 1,778,267; Oct. 14.
- Conveyer. J. C. Meem. 1,764,461; June 17.
- Conveyer. H. Miner and D. Grant. 1,754,798; Apr. 15.
- Conveyer. C. L. Moon. 1,766,225; June 24.
- Conveyer. R. A. Morton and E. P. Henry. 1,743,679; Jan. 14.
- Conveyer. H. E. Partridge. 1,750,426; Mar. 11.
- Conveyer. P. M. Pearson. 1,747,388; Feb. 18.
- Conveyer. E. L. Smalley. 1,773,881; Aug. 26.
- Conveyer. G. I. Theile. 1,744,286; Jan. 21.
- Conveyer. E. B. Tolman, jr. 1,772,881; Aug. 12.
- Conveyer. F. E. Van Slyke. 1,758,484; May 13.
- Conveyer. J. L. Wentz. Re17,663; May 13.
- Conveyer. F. J. Wood. 1,779,720; Oct. 28.
- Conveyer. L. I. Yeomans. 1,758,994; May 20.
- Conveyer, Agitating. J. O. Bailey. 1,763,121; June 10.
- Conveyer and conveyer roller. W. McKee. 1,780,493; Nov. 4.
- Conveyer and driving-motor construction. J. J. Mojonier. 1,755,450; Apr. 22.
- Conveyer and guide. A. Broadmeyer. 1,771,555; July 29.
- Conveyer and washer for vegetables and fruits, Rotary. U. J. Boehnke. 1,765,647; June 24.
- Conveyer apparatus. H. J. Murphy. 1,763,809; June 17.
- Conveyer apparatus. W. H. Watson. 1,771,006; July 22.
- Conveyer apparatus, Pneumatic. E. B. Tolman, jr., and H. Brueckler. 1,781,352; Nov. 11.
- Conveyer, Apron-type. F. A. Fahrenwald. 1,780,382; Nov. 4.
- Conveyer, Articulated. E. M. Arentzen. 1,785,402; Dec. 16.
- Conveyer, Automatic. J. T. Cowley and L. C. Allen. 1,757,416; May 6.
- Conveyer, Belt. T. G. Nyborg and M. F. Higgins. 1,770,007; July 8.
- Conveyer belt, Sectional. F. N. Woodman. 1,749,932; Mar. 11.
- Conveyer, Chain. A. Deakin. 1,746,383; Feb. 11.
- Conveyer chain. R. H. Pangborn. 1,743,728; Jan. 14.
- Conveyer, Coal-loading. C. A. Warden. 1,773,414-5-6; Aug. 19.
- Conveyer device for packages and coat hangers, Spiral. C. E. Constable. 1,783,272; Dec. 9.
- Conveyer disk, Furnace. F. A. Fahrenwald. 1,780,010; Oct. 28.
- Conveyer drive for glass-annealing leers. H. W. Ingle. 1,764,791; June 17.
- Conveyer-driving mechanism. F. E. Smith. 1,749,852; Mar. 11.
- Conveyer, Electrically-driven shaker. T. G. Nyborg and M. F. Higgins. 1,770,006; July 8.
- Conveyer, Endless. J. C. Anderson. 1,769,818; July 1.
- Conveyer, Flight. H. H. Barber and P. A. Smith. 1,757,608; May 6.
- Conveyer flight. J. D. Christian. 1,775,888; Sept. 16.
- Conveyer flight. G. Erdman. 1,763,141; June 10.
- Conveyer flight and making the same, Spiral. J. D. Christian. 1,748,206; Feb. 25.

- Conveyer for bottle-washing machines. F. E. Fowler. 1,772,418; Aug. 5.
- Conveyer for dynamo armatures. R. J. Emmert. 1,761,523; June 3.
- Conveyer for fruits and vegetables. A. O. Moe. 1,760,369; May 27.
- Conveyer for mixers. F. A. Davidson. 1,759,003; May 20.
- Conveyer for plastic materials. A. O. Hurxthal. 1,772,423; Aug. 5.
- Conveyer for pulverized material. P. Goebels. 1,755,779; Apr. 22.
- Conveyer for shoes and the like. K. A. A. Johansson. 1,766,645; June 24.
- Conveyer for stokers. F. C. Pickard. 1,785,282; Dec. 16.
- Conveyer for use in the manufacture of inner tubes. M. H. Pade. 1,748,583; Feb. 25.
- Conveyer for use with furnaces. H. A. Cartwright. 1,742,647; Jan. 7.
- Conveyer for use with furnaces. W. M. Hepburn. 1,752,432; Apr. 1.
- Conveyer for veneer driers. L. P. Tiers. 1,745,196; Jan. 28.
- Conveyer, Furnace. G. F. Beach. 1,782,335; Nov. 18.
- Conveyer, Glass. J. Mayeur, sr. 1,770,939; July 8.
- Conveyer, Hydraulic. W. C. Whitcomb. 1,760,616; May 27.
- Conveyer, Jigging. J. Lithgoe. 1,766,660; June 24.
- Conveyer, Material. A. B. Manning. 1,761,353; June 3.
- Conveyer mechanism. J. S. Da Costa. 1,778,484; Oct. 14.
- Conveyer mechanism. W. J. Koch. 1,768,482; June 24.
- Conveyer mechanism. F. R. Quick. 1,786,779; Dec. 30.
- Conveyer mechanism. D. R. C. Smith and J. H. Coulter. 1,779,194; Oct. 21.
- Conveyer, Metal-belt. L. Bethke. 1,757,652; May 6.
- Conveyer or elevator, Endless. J. Parker. 1,750,425; Mar. 11.
- Conveyer, Overhead. J. B. Webb. 1,759,213; May 20.
- Conveyer, Pneumatic. W. L. A. Russell. 1,772,017; Aug. 5.
- Conveyer, Pneumatic. T. H. Thurmond. 1,745,195; Jan. 28.
- Conveyer, Portable. W. M. Duncan. 1,763,424; June 10.
- Conveyer, Portable. W. K. Liggett. 1,769,798; July 1.
- Conveyer, Portable. E. Potaufoux. 1,757,216; May 6.
- Conveyer, Portable swivel-truck. G. D. Duncan, jr. 1,763,423; June 10.
- Conveyer, Propulsion. E. Hoffmann. 1,763,307; June 10.
- Conveyer rack. V. A. Fox. 1,784,229; Dec. 9.
- Conveyer, Raw-sugar. W. H. Hoodless. 1,764,100; June 17.
- Conveyer, Rock. R. R. Dailey. 1,785,249; Dec. 16.
- Conveyer, Roller. L. Lowy. 1,743,223; Jan. 14.
- Conveyer roller. E. E. Moore. 1,744,914; Jan. 28.
- Conveyer, Roller. K. E. Peiler. 1,772,584; Aug. 12.
- Conveyer, Roller. K. Schulte. 1,745,030; Jan. 28.
- Conveyer, Screw. J. A. B. Smit. 1,757,341; May 6.
- Conveyer, Shaking. P. Aurich. 1,742,800; Jan. 7.
- Conveyer, Shaking. P. Aurich. 1,767,425; June 24.
- Conveyer, Shaking. K. Stroedter. 1,759,764; May 20.
- Conveyer, Sinuous. V. A. Fox. 1,746,644; Feb. 11.
- Conveyer, Skip. H. A. Lerner. 1,774,895; Sept. 2.
- Conveyer slat. M. Wilson. 1,778,878; Oct. 21.
- Conveyer, Smoke. A. A. Wajda and E. J. Bartkowski. 1,743,009; Jan. 7.
- Conveyer, Spiral. S. H. Hale. 1,780,481; Nov. 4.
- Conveyer, Spray. J. O. Bailey. 1,763,122; June 10.
- Conveyer system. J. T. Cowley and W. J. Taylor. 1,781,655; Nov. 11.
- Conveyer system. C. S. Jennings and L. C. Allen. 1,780,486; Nov. 4.
- Conveyer system for heat-treating furnaces. F. W. Manker. 1,762,067; June 3.
- Conveyer system for mines and other purposes. E. S. McKinlay. 1,748,301; Feb. 25.
- Conveyer system for use in handling rubber-tube mandrels. M. H. Pade. 1,757,732; May 6.
- Conveyer system, Pneumatic. J. C. Reed. 1,746,052; Feb. 4.
- Conveyer table. E. W. Mikaelson. 1,786,575; Dec. 30.
- Conveyer, Transverse. S. Shafer, jr. 1,745,192; Jan. 28.
- Conveyers, Automatic transfer mechanism for. S. Olson. 1,766,142; June 24.
- Conveyers, Bundle-transferring device for. C. E. Constable. 1,784,273; Dec. 9.
- Conveyers, Load-ejecting apparatus for. H. M. Ruth. 1,760,964; June 3.
- Conveyers relative to the chains thereof, Adjusting the rails of. E. E. Kennedy. 1,785,315; Dec. 16.
- Conveying and spacing apparatus. M. J. Anderson. 1,781,424; Nov. 11.
- Conveying apparatus. M. J. Anderson. 1,775,545; Sept. 9.
- Conveying apparatus. A. H. Gfrorer. 1,763,351; June 10.
- Conveying apparatus. A. G. Kinyon. 1,746,041; Feb. 4.
- Conveying apparatus. J. B. McWilliams. 1,786,020; Dec. 23.
- Conveying apparatus. M. L. O'Neale. 1,776,568; Sept. 23.
- Conveying apparatus for dipping. M. J. Anderson. 1,781,425; Nov. 11.
- Conveying articles. E. E. Einfeldt. 1,775,121; Sept. 9.
- Conveying, closing, and sealing machine, Package. J. R. Wysong. 1,763,493; June 10.
- Conveying device. P. Aurich. 1,769,171; July 1.
- Conveying device, Demountable. W. Polgar. 1,759,465; May 20.
- Conveying from the working face in mines, Apparatus for. A. Welsh and G. Raw. 1,781,259; Nov. 11.
- Conveying mechanism. M. Morgan. 1,743,044; Jan. 7.
- Conveying mechanism. E. J. Quinn. 1,762,307; June 10.
- Conveying or delivering biscuits or like articles. H. Kirman and G. R. Baker. 1,787,254; Dec. 30.
- Conveying system for merchandise, Automatic. W. J. Taylor. 1,763,073; June 10.
- Conveying system. J. H. Morrow. 1,778,429; Oct. 14.
- Cooker. J. Barry. 1,763,126; June 10.
- Cooker. H. A. Ziola. 1,752,769; Apr. 1.
- Cooker and cooler, Combined. C. B. Thorin. 1,772,528; Aug. 12.
- Cooker and roaster, Combination. A. Cook. 1,749,527; Mar. 4.
- Cooker and shaper, Meat. R. E. Jordan. 1,779,546; Oct. 28.
- Cooker, Electric. P. Itzi. 1,786,345; Dec. 23.
- Cooker, Electric and fireless. J. H. Reichart. 1,759,957; May 27.
- Cooker, Steam. H. C. Biette. 1,752,584; Apr. 1.
- Cooker, Steam. J. E. Gloekler. 1,748,123; Feb. 25.
- Cooker, Steam. C. L. Goughnour. 1,756,787; Apr. 29.
- Cooker, Steam-pressure. T. Hashimoto. 1,765,072; June 17.
- Cooker, Steamer. L. J. Hois. 1,750,596; Mar. 11.
- Cooker, Table. O. A. Langos. 1,767,802; June 24.
- Cooking and heating apparatus, Combined. W. M. Johnson. 1,756,690; Apr. 29.
- Cooking apparatus. J. C. Bergner. 1,768,737; July 1.
- Cooking apparatus. H. Brucker. 1,751,974; Mar. 25.
- Cooking apparatus. C. V. Carlsson. 1,783,601; Dec. 2.
- Cooking apparatus, Automatic. E. E. Allwine. 1,771,762; July 29.
- Cooking apparatus, Electric. C. J. Grayson. 1,745,534; Feb. 4.
- Cooking apparatus, Electrical. P. S. Banff. 1,759,832; May 27.
- Cooking device, Electric. R. Vannier. 1,776,304; Sept. 23.
- Cooking device, Electrical. P. S. Banff. 1,742,945; Jan. 7.
- Cooking device, Electrical. J. F. Lamb. 1,778,263; Oct. 14.
- Cooking device, Electrical. G. F. Wells. 1,772,171; Aug. 5.
- Cooking device, Miniature steam-. L. H. Grotheer. 1,750,265; Mar. 11.
- Cooking machine. M. C. Petersen. 1,781,669; Nov. 11.
- Cooking outfit. T. L. Lynam. 1,786,120; Dec. 23.
- Cooking vessel. U. S. Boyle. 1,745,243; Jan. 28.
- Cooky and doughnut cutter. T. V. Brummett. 1,778,969; Oct. 21.
- Cooler: See—
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| Air cooler. | Liquid cooler. |
| Bottle cooler. | Milk cooler. |
| Brine cooler. | Oil cooler. |
| Cream cooler. | Tube cooler. |
| Liquid agitation cooler. | Water cooler. |
- Cooler. R. J. Bennett. 1,751,851; Mar. 25.
- Cooler. E. R. Burchiel. 1,761,610; June 3.
- Cooler and aerator, Milk. R. B. Latterell. 1,764,269; June 17.
- Cooler and display stand, Combination vegetable. J. A. Birdsong and J. L. Showers. 1,778,141; Oct. 14.
- Cooling and ventilating apparatus. P. Andres. 1,747,042; Feb. 11.
- Cooling apparatus. J. A. Granstedt. 1,759,306; May 20.
- Cooling apparatus. H. W. Taylor. 1,770,678; July 15.
- Cooling apparatus, Air-. G. A. Metzger. 1,750,047; Mar. 11.
- Cooling apparatus for motors. A. S. La Follette. 1,743,041; Jan. 7.
- Cooling apparatus, Transformer. J. Kubler. 1,766,654; June 24.
- Cooling attachment for dental grinding tools. M. G. Parks and R. G. Richard. 1,746,275; Feb. 11.
- Cooling bed. G. L. Fisk. 1,761,470; June 3.
- Cooling compound and lubricant and manufacturing same. F. C. Broeman. 1,784,220; Dec. 9.
- Cooling device. F. E. Dennison. 1,751,623; Mar. 25.
- Cooling device. H. Fischer and L. Grodnitzky. 1,775,819; Sept. 16.
- Cooling device. J. Kubler. 1,766,655; June 24.
- Cooling device, Automatic milk-. E. P. Allard. 1,764,140; June 17.
- Cooling device for hydrocarbon engines. C. G. Hartley. 1,778,527; Oct. 14.
- Cooling device for internal-combustion engines. R. Kondo. 1,770,237; July 8.
- Cooling device for line-casting machines, Mold-. S. E. Sperry. 1,782,371; Nov. 18.
- Cooling device for reciprocating pistons. M. Trechsel. 1,744,250; Jan. 21.
- Cooling device for truck tires. C. J. Dalton. 1,746,031; Feb. 4.
- Cooling device for valves and the like. T. Midgley, jr. 1,748,518; Feb. 25.
- Cooling device, Milk-. W. C. Kelso. 1,759,578; May 20.
- Cooling, Drum. W. G. Schröder. 1,768,156; June 24.
- Cooling, drying, and lighting fixture. W. A. Brown and E. A. Corbin, jr. 1,752,778; Apr. 1.
- Cooling engines and purifying lubricants. J. F. Howarth. 1,767,675; June 24.
- Cooling furnace walls. R. La France. 1,751,008; Mar. 18.
- Cooling means for airplane engines. V. J. Burnelli. 1,774,472; Aug. 26.

- Cooling means for electrical and other apparatus. F. W. Gay. 1,750,750; Mar. 18.
- Cooling means for incased electrical apparatus. E. L. R. Bliss. 1,780,110; Oct. 28.
- Cooling means for internal-combustion engines. H. A. Flogaus. 1,779,968; Oct. 28.
- Cooling mechanism for glass-feeder shear blades. K. E. Peilrel. 1,760,255; May 27.
- Cooling method and mechanism. R. T. Johnston. 1,756,947; May 6.
- Cooling of reciprocating pistons. W. Tobler. 1,740,807; Feb. 25.
- Cooling or pasteurizing device, Cream. F. L. Marshall. 1,768,263; June 24.
- Cooling or refrigerating structure. E. F. Hersh. 1,749,343; Mar. 4.
- Cooling plate, Inwall. O. R. Rice. 1,749,395; Mar. 4.
- Cooling system. B. H. Britt. 1,754,257; Apr. 15.
- Cooling system. F. G. Carrington. 1,776,542; Sept. 23.
- Cooling system. F. G. Carrington. 1,776,546; Sept. 23.
- Cooling system. F. G. Carrington. 1,776,577; Sept. 23.
- Cooling system. E. S. MacPherson. 1,754,689; Apr. 15.
- Cooling system, Air-. A. Holmström. 1,759,575; May 20.
- Cooling system, Dynamo-. F. G. Baum. 1,779,797; Oct. 28.
- Cooling system, Engine-. H. C. Mallory. 1,767,598; June 24.
- Cooling system for horizontal motors. F. Huber. 1,747,172; Feb. 18.
- Cooling system for internal-combustion engines. C. H. M. Fry. 1,774,881; Sept. 2.
- Cooling system for internal-combustion engines. C. O. Guernsey. 1,747,868; Feb. 18.
- Cooling system for internal-combustion engines. H. B. Stoddard. 1,742,424; Jan. 7.
- Cooling system for internal-combustion locomotives. C. C. C. Burkhardt. 1,752,230; Mar. 25.
- Cooling system for marine engines. H. Thompson. 1,765,337; June 24.
- Cooling system for motors. F. W. Van Buskirk. 1,778,375; Oct. 14.
- Cooling system for outboard motors, Water-. O. Evinrude. 1,786,835; Dec. 30.
- Cooling system for passenger vehicles. C. F. Hall. 1,781,151; Nov. 11.
- Cooling system, Motor-. N. E. Wahlberg. 1,744,184; Jan. 21.
- Cooling system, Transformer. L. H. Hill. 1,764,305; June 17.
- Cooling tower. W. S. Bowen. 1,765,001; June 17.
- Cooling tower. B. H. Coffey. 1,747,288; Feb. 18.
- Cooling tower. R. A. Lewis. 1,778,364; Oct. 14.
- Cooling tower. L. T. Mart. 1,747,452; Feb. 18.
- Cooling tower. J. M. Seymour. 1,758,983; May 20.
- Cooling tower, Atmospheric. G. T. Martin. 1,786,076; Dec. 23.
- Cooling unit. H. A. Whitfield. 1,751,899; Mar. 25.
- Cooling unit for refrigerating systems. F. G. Slagel. 1,773,283; Aug. 19.
- Cooling unit, Refrigerator. M. C. Terry. Des. 82,770; Dec. 9.
- Coop, Chicken. J. J. Burson. 1,761,325; June 3.
- Coop, Collapsible poultry. W. W. Robinson. 1,755,227; Apr. 22.
- Coop or crate, Poultry. W. C. Dean. 1,760,936; June 3.
- Coop or crate, Poultry. C. T. Hatch. 1,754,947; Apr. 15.
- Coop or crate, Poultry. L. W. Macomber. 1,752,098; Mar. 25.
- Coop, Poultry. A. Laycock. 1,772,814; Aug. 12.
- Coop, Poultry. S. A. Pardue. 1,778,370; Oct. 14.
- Coop, Shipping. A. M. Eubanks. 1,749,377; Mar. 4.
- Copper alloys, Manufacture of. U. de Berker, W. Machin, and W. B. O. Goudielock. 1,777,192; Sept. 30.
- Copper and the like, Welding. T. E. Murray, jr., and I. T. Bennett. 1,750,643; Mar. 18.
- Copper carbon contact. S. M. Day. 1,785,618; Dec. 16.
- Copper copper-oxide rectifier plates, Forming. W. T. Anderson, jr., and L. F. Bird. 1,757,284; May 6.
- Copper, Deoxidizing. C. S. Smith. 1,755,309; Apr. 22.
- Copper or copper alloys and hardener for use therein, Improving. W. Machin and W. B. O'B. Goudielock. 1,777,174; Sept. 30.
- Copper or copper alloys, Electrolytically refining. M. Hosenfeld and G. Hänsel. 1,757,047; May 6.
- Copper ores preparatory to leaching, Treating. C. E. Carstens. 1,782,841; Nov. 25.
- Copper-oxide rectifier. J. Slepian. 1,765,502; June 24.
- Copper powder and producing the same, Feathery. W. Koehler. 1,777,371; Oct. 7.
- Copper, Refining (degasifying and deoxidizing). M. G. Corson. 1,769,986; July 8.
- Copper, Refining of. H. H. Alexander. 1,776,826; Sept. 30.
- Copper-rich materials, Treatment of. S. I. Levy. 1,746,313; Feb. 11.
- Copper, Smelting. A. D. Wilkinson. 1,759,078; May 20.
- Copra drier. R. Tan. 1,780,047; Oct. 28.
- Copyholder. A. W. Caps. 1,752,329; Apr. 1.
- Copyholder. C. Fensky, H. J. Readey, and K. Readey. 1,768,753; July 1.
- Copyholder. P. Grabler. 1,742,389; Jan. 7.
- Copyholder. R. B. Harris. 1,765,806; June 17.
- Copyholder. J. B. Haywood. 1,784,873; Dec. 16.
- Copyholder. C. Knutsson. 1,746,732; Feb. 11.
- Copyholder. G. Stevenson. 1,752,399; Apr. 1.
- Copyholder, Photographic. G. C. Beidler. 1,743,310; Jan. 14.
- Copyholders, Intermittent grip device for. H. Harter. 1,786,344; Dec. 23.
- Copy machine using the hectograph method. W. E. Williams. 1,761,283; June 3.
- Copying apparatus, Photographic. A. W. Wisner. 1,756,111; Apr. 29.
- Copying machine. A. Pagani. 1,755,967; Apr. 22.
- Cord, Bead. F. P. Atkins. 1,751,383; Mar. 18.
- Cord, Covered elastic. E. Weintraub. 1,759,496-7; May 20.
- Cord eliminator, Catch-. A. J. Gaouette and E. J. Cote. 1,744,541; Jan. 21.
- Cord, Floor. J. C. Belden. 1,751,386; Mar. 18.
- Cord for looms, Harness. O. V. Payne. 1,766,723; June 24.
- Cord hanger. C. M. Glazener. 1,787,106; Dec. 30.
- Cord machine. H. P. Ruf. 1,754,335; Apr. 15.
- Cord-making machine. C. M. Petersen. 1,766,683; June 24.
- Cord protector for electric plugs. M. M. Stubbs. 1,765,035; June 17.
- Cord-severing implement. H. A. Russell. 1,754,241; Apr. 15.
- Cord tie. J. T. H. Paterson. 1,784,679; Dec. 9.
- Cord, Tinsel. J. R. Sexton. 1,783,315; Dec. 2.
- Cordage, Apparatus for making combined paper and fiber. J. B. Reber. 1,764,524; June 17.
- Cords, Apparatus for and method of testing. T. B. Buffum. 1,785,690; Dec. 16.
- Cords in rubber sheets, Method and apparatus for incorporating. T. Midgley. 1,742,777; Jan. 7.
- Cords or braids, Manufacture of tubular. R. L. G. Buraux and P. J. Massu. 1,755,809; Apr. 22.
- Cords, Varnishing. A. E. P. Girard and M. J. P. Roumazeilles. 1,776,073; Sept. 16.
- Core. G. W. Gilderman. 1,768,889; May 13.
- Core and composition for producing the same. F. B. Mason. 1,778,329; Oct. 14.
- Core and forming the same. E. L. Leasman. 1,751,482; Mar. 25.
- Core and method of and apparatus for applying the coating thereto, Coated. H. B. Whitfield. 1,765,515; June 24.
- Core-bar gauge. I. Langston. 1,779,477; Oct. 28.
- Core barrel. W. I. McLaughlin. 1,769,152; July 1.
- Core barrel. W. I. McLaughlin. 1,777,010; Sept. 30.
- Core barrels, Screen plug for. R. C. Baker. 1,784,886; Dec. 16.
- Core bit. O. Duda. 1,779,589; Oct. 28.
- Core bit, Rotary. M. S. Chamberlain. 1,750,744; Mar. 18.
- Core box. P. F. Devany. 1,784,225; Dec. 9.
- Core box. G. W. Elsey. 1,761,522; June 3.
- Core, Building. G. F. Wike. 1,748,265; Feb. 25.
- Core by-pass drill. O. F. Harding. 1,785,120; Dec. 16.
- Core catcher. L. H. Wellensiek. 1,765,513; June 24.
- Core catcher for well drills. L. H. Wellensiek. 1,775,920; Sept. 16.
- Core, Collapsible. H. A. Denmire. 1,749,420; Mar. 4.
- Core, Collapsible. B. De Mattia. 1,784,960; Dec. 16.
- Core, Collapsible. G. T. Williams. 1,747,851; Feb. 18.
- Core drill. R. C. Baker. 1,756,503; Apr. 29.
- Core-drill attachment, Rotary. A. L. Armentrout and E. B. Hall. 1,751,678; Mar. 25.
- Core-drill construction. L. S. Copelin. 1,775,889; Sept. 16.
- Core drill, Orienting. P. J. Lydon. 1,773,915; Aug. 26.
- Core drill, Reciprocating. L. S. Copelin. 1,766,108; June 24.
- Core drill, Rotary. A. L. Armentrout. 1,742,641; Jan. 7.
- Core drill, Rotary. L. S. Copelin. 1,773,171; Aug. 19.
- Core drill, Rotary. J. E. Shows and W. T. Dunn. 1,780,447; Nov. 4.
- Core for concrete piles, Collapsible. H. R. Smith. 1,773,205; Aug. 19.
- Core for metallic castings and making the same. H. M. Dent and F. W. Less. 1,777,998; Oct. 7.
- Core for undercut cup-shaped articles. T. Pickering. 1,769,455; July 1.
- Core-forming apparatus. T. H. Brown. 1,751,470; Mar. 25.
- Core gate for bath-tub molds and the like. C. J. Steele. 1,762,841; June 10.
- Core guide. J. R. McWane. 1,765,024; June 17.
- Core-making apparatus. J. R. McWane. 1,779,485; Oct. 28.
- Core-molding mechanism. R. E. Dunham. 1,780,470; Nov. 4.
- Core trap or retainer. J. G. Boswell. 1,759,775; May 20.
- Coring and peeling device. G. A. Carlson. 1,759,539; May 20.
- Coring machine. H. E. Hamilton, F. C. Krueger, and A. Hamilton. 1,762,438; June 10.
- Cores, Apparatus for coating. H. S. Drew. 1,748,947; Mar. 4.
- Cores, Apparatus for covering. J. M. Royal. 1,779,560; Oct. 28.
- Cores, Apparatus for covering. B. M. A. Trebes. 1,785,398; Dec. 16.
- Cores, Apparatus for handling. J. R. McWane. 1,779,484; Oct. 28.
- Cores, Apparatus for making. G. W. Gilderman. 1,758,888; May 13.

- Cores from castings and for cleaning castings, Apparatus for discharging. J. T. Stoney. 1,765,462; June 24.
- Cores from castings, Apparatus for removing. A. Hansen. 1,760,495; May 27.
- Cores from cast-iron pipes and the like, Apparatus for removing. J. R. McWane. 1,765,022; June 17.
- Cores, Making. G. W. Gilderman. 1,758,890; May 13.
- Cores, Method of and apparatus for coating H. W. Jespersen. 1,765,533; June 24.
- Cores, Method of and apparatus for coating. C. C. Martell and B. A. Hagen. 1,785,037; Dec. 16.
- Cores, Method of and apparatus for covering. J. M. Royal. 1,779,559; Oct. 28.
- Cores, Method of and apparatus for sheathing. G. L. Cherry. 1,770,969; July 22.
- Cores of material, Apparatus for continuously sheathing. R. C. Kivley. 1,770,985; July 22.
- Cork and making the same, Composition. C. E. McManus. 1,747,176; Feb. 18.
- Cork and the resulting product thereof, Forming products from. W. F. Grupe. 1,758,946; May 20.
- Cork board and resulting cork board, Producing. W. F. Grupe. 1,779,701; Oct. 28.
- Cork body, sheet, block, etc., and producing same, Composite. W. F. Grupe. 1,762,138; June 3.
- Cork extractor. D. Rosati. 1,753,026; Apr. 1.
- Cork-feeding device. A. I. Risser. 1,760,441; May 27.
- Cork-feeding machine. N. F. Saviano. 1,773,867; Aug. 26.
- Cork-grinding machine. S. di Bono. 1,762,681; June 10.
- Cork puller. H. E. Briggs. 1,752,227; Mar. 25.
- Cork remover. J. W. Ames. 1,747,099; Feb. 11.
- Cork sheet and making same, Laminated. C. E. McManus. 1,756,950; May 6.
- Corn binder. A. Kowalsky. 1,769,144; July 1.
- Corn crib. M. K. Jandl. 1,762,019; June 3.
- Corncrib or the like. C. Oberlin. 1,763,627; June 10.
- Corn gatherer. E. Hassman. 1,782,067; Nov. 18.
- Corn header. R. Marsh. 1,770,706; July 15.
- Corn husker. L. L. Bradley and E. M. Young. 1,771,027; July 22.
- Corn-husking mechanism. H. Synck. 1,750,546; Mar. 11.
- Corn-husking peg. J. G. Grantham. 1,758,363; May 13.
- Corn or mealie sheller. J. Lizamore. 1,770,792; July 15.
- Corn picker. H. L. Baker. 1,777,112; Sept. 30.
- Corn picker and husker. H. Synck. 1,765,950; June 24.
- Corn picking and husking machine. J. Van Nortwick. 1,766,348; June 24.
- Corn-picking machine, Attachment for. J. W. Frank. 1,764,947; June 17.
- Corn-planter fertilizing-drill attachment. B. M. Linville. 1,765,683; June 24.
- Corn popper. A. H. Basel. 1,781,678; Nov. 18.
- Corn popper. E. S. Johnson. 1,776,691; Sept. 23.
- Corn popper. J. G. LePere. 1,749,916; Mar. 11.
- Corn popper. J. H. Reichart. 1,786,507; Dec. 30.
- Corn popper. E. B. Thompson. 1,786,877; Dec. 30.
- Corn popper. T. S. Walker. 1,759,475; May 20.
- Corn popper, Electric. H. G. Heckmann. Des. 82,260; Oct. 14.
- Corn-popping apparatus. M. Joffe. 1,744,900; Jan. 28.
- Corn-popping apparatus, Stirring mechanism for. C. Cretors. 1,786,005; Dec. 23.
- Corn, Preparing and canning. M. V. Douthitt. 1,742,240; Jan. 7.
- Corn-pulp extractor. M. Austin. 1,750,210; Mar. 11.
- Corn rack, Seed. G. M. Hurff. 1,771,085; July 22.
- Corn shaver. G. G. Niedomanski. 1,753,086; Apr. 1.
- Corn-sheller blower. H. D. Ediger. 1,766,492; June 24.
- Cornstalk cutter. S. Finnell. 1,761,983; June 3.
- Corn trimmer. J. T. McGrath. 1,759,911; May 27.
- Corner-bar construction for store fronts and the like. C. G. Nelson. 1,754,760; Apr. 15.
- Corner bead. H. M. Gersman. 1,748,284; Feb. 25.
- Corner bead. J. R. Winter. 1,769,813; July 1.
- Corner clamp. E. L. Wilson. 1,783,456; Dec. 2.
- Corner construction for frames and making the same. W. S. Pritchard. 1,747,135; Feb. 11.
- Corner construction for freight cars. W. E. Wine. 1,786,380; Dec. 23.
- Corner construction for freight cars. W. E. Wine. 1,786,382; Dec. 23.
- Corner die. J. A. McGregor. 1,780,432; Nov. 4.
- Corner element for wall veneering material. W. A. Stoehr. 1,770,599; July 15.
- Corner for burial casket. R. P. Henderson. Des. 82,941-2; Dec. 30.
- Cornet system, Multiphase. L. C. Young. 1,766,050; June 24.
- Cornice and pilaster, Combination. W. T. Holmes. Des. 81,794; Aug. 12.
- Cornice, Curtain-rod. J. Ajemian. 1,774,912; Sept. 2.
- Cornice mold. A. D. Summers. 1,770,438; July 15.
- Corona elimination in dynamo-electric machines. C. F. Hill. 1,784,990; Dec. 16.
- Corona in alternators, Elimination of. C. F. Hill. 1,784,989; Dec. 16.
- Correlating the staff with the keyboard of pianos, Device for. H. D. Hoffmeister. 1,758,043; May 13.
- Corrosion of articles of magnesium and magnesium alloys, Improving the resistance to. A. Beck and G. Siebel. 1,783,770; Dec. 2.
- Corrosion prevention of iron and steel. M. M. Harrison. 1,766,902; June 24.
- Corrugated structure. G. Brown. 1,758,311; May 13.
- Corsage retainer. R. Deans. 1,778,246; Oct. 14.
- Corset. M. H. Bowne. 1,751,506; Mar. 25.
- Corset. T. McKenzie. 1,760,247; May 27.
- Corset. I. Panes. 1,782,311; Nov. 18.
- Corset accessory. L. Ross. 1,749,510; Mar. 5.
- Corset and brassiere, Combined. A. K. Brennan. 1,756,809; Apr. 29.
- Corset and corselet. B. F. Hall. 1,777,794; Oct. 7.
- Corset and similar garment. G. A. Barclay. 1,769,364; July 1.
- Corset and the like. G. Sheldon. 1,776,199; Sept. 16.
- Corset construction. L. H. Loeffel. 1,756,367; Apr. 29.
- Corset, Elastic. R. A. Pidgeon. 1,774,613; Sept. 2.
- Corsetiere's fitting apparatus. E. Gray. 1,782,892; Nov. 25.
- Corset-steel protector. M. L. Benzie. 1,780,859; Nov. 4.
- Cosmetic appliance. F. B. Gordon. 1,759,451; May 20.
- Cosmetic box. A. J. Flaider. Des. 81,635; July 22.
- Cosmetic box. W. E. Wacker. 1,748,964; Mar. 4.
- Cosmetic device. J. H. Rae. 1,776,981; Sept. 30.
- Cosmetic pack. M. W. Ean. 1,744,532; Jan. 21.
- Cosmetics and other liquids, Device for spraying. W. Minnich. 1,769,748; July 1.
- Cost-accounting machine. J. W. Marder. 1,755,449; Apr. 22.
- Costumer. R. F. Carpenter and T. F. Anderson. 1,762,545; June 10.
- Costumer. C. R. Davis. 1,742,344; Jan. 7.
- Costumer, Child's. G. A. Muller. Des. 82,446; Nov. 4.
- Costumers and other articles, Joint for. H. S. Best. 1,763,748; June 17.
- Cot, Ambulance. T. J. Flanagan. 1,742,309; Jan. 7.
- Cot, Folding. H. Gursky and M. Volkes. 1,785,258; Dec. 16.
- Cot for automobiles, Camp. J. W. Denton. 1,759,977; May 27.
- Cotter pin. H. Dederling. 1,768,670; July 1.
- Cotter pin. E. G. Goodwin. 1,785,622; Dec. 16.
- Cotter-pin arrangement, Composite. G. A. Johnson. 1,743,857; Jan. 14.
- Cotter-pin spreader. J. McMullen. 1,751,013; Mar. 18.
- Cotton and other vegetable pulps or fibers of a porous absorbing nature, Treating. C. W. Andrews. 1,784,566; Dec. 9.
- Cotton, Apparatus for carding. A. W. Arnold. 1,759,563; May 20.
- Cotton baling. J. A. Taft. 1,772,164; Aug. 5.
- Cotton blocker and cultivator, Combined. A. E. Pittman. 1,784,313; Dec. 9.
- Cotton-boll extracting and cleaning device. G. E. Evans. 1,786,904; Dec. 30.
- Cotton-boll picker. A. B. McDonald. 1,750,536; Mar. 11.
- Cotton chopper. J. W. Allen. 1,781,829; Nov. 18.
- Cotton chopper. J. W. Ferguson. 1,773,778; Aug. 26.
- Cotton chopper. J. A. Laird. 1,786,661; Dec. 30.
- Cotton chopper and cultivator, Cross-row. A. Hightower. 1,786,241; Dec. 23.
- Cotton-chopping machine. G. N. Chenault. 1,776,830; Sept. 30.
- Cotton cleaner. F. D. Roan. 1,781,343; Nov. 11.
- Cotton cleaner and feeder. R. W. Swope. 1,773,016; Aug. 12.
- Cotton-cleaning apparatus. P. P. Haring. 1,768,837; July 1.
- Cotton-cleaning machine. E. C. Gwaltney. 1,771,624; July 29.
- Cotton-cleaning machines, Attachment for. J. B. Brennan. 1,760,037; May 27.
- Cotton feeder. J. Behle. 1,774,077; Aug. 26.
- Cotton-feeder mechanism. J. L. Walker. 1,746,135; Feb. 4.
- Cotton fiber and bituminous materials, Mixing. C. P. Nellis and A. H. Flower. 1,785,910; Dec. 23.
- Cotton fibers and lubricant and conditioner therefor, Treated raw-. G. W. Pressell. 1,771,347; July 22.
- Cotton-gathering machine. B. A. Crumley. 1,778,587; Oct. 14.
- Cotton gin. H. T. and O. G. Ahrens. 1,756,475; Apr. 29.
- Cotton gin. F. B. Cumpston. 1,751,305-6; Mar. 18.
- Cotton gin. W. J. Petty and E. M. Hancock. 1,767,894; June 24.
- Cotton-gin attachment. R. C. Huneycutt. 1,742,812; Jan. 7.
- Cotton-gin feeder and the like. M. J. Pate. 1,778,088; Oct. 14.
- Cotton-gin machine. F. B. Cumpston. 1,751,307; Mar. 18.
- Cotton-gin machinery. F. B. Cumpston. 1,751,308; Mar. 18.
- Cotton-gin ribs, Finishing. J. Behle. 1,750,741; Mar. 18.
- Cotton hulling and cleaning machine. J. C. Conrad. 1,774,422; Aug. 26.
- Cotton, Method of and apparatus for cleaning and lap-ping. W. W. Arnold, Jr. 1,777,245; Sept. 30.
- Cotton packer, Automatic. G. T. Gale. 1,743,940; Jan. 14.
- Cotton picker. O. E. Applegate. 1,745,826; Feb. 4.
- Cotton picker. H. N. Berry. 1,742,493; Jan. 7.
- Cotton picker. H. N. Berry. 1,747,566-7; Feb. 18.
- Cotton picker. H. N. Berry. 1,750,034; Mar. 11.
- Cotton picker. H. N. Berry. 1,750,952; Mar. 18.
- Cotton picker. H. N. Berry. 1,759,086; May 20.
- Cotton picker. J. H. Cooper. 1,753,919; Apr. 8.
- Cotton picker. J. P. Cruise. 1,775,890; Sept. 16.
- Cotton picker. E. A. Johnston, D. B. Baker, and C. R. Hagen. 1,755,825; Apr. 22.

- Cotton picker. E. A. Johnston, B. R. Benjamin, D. B. Baker, and C. R. Hagen. 1,786,851; Dec. 30.
- Cotton picker. W. E. Muller, R. J. Shinn, and C. S. Grove. 1,780,497; Nov. 4.
- Cotton picker. T. E. Rice. 1,763,480; June 10.
- Cotton picker. J. A. Streun. 1,750,439; Mar. 11.
- Cotton picker. B. F. Watkins. 1,751,376; Mar. 18.
- Cotton picker, Air-blast. W. A. Preston. 1,750,541; Mar. 11.
- Cotton-picker machine. H. A. Janacek. 1,755,507; Apr. 22.
- Cotton picker, Mechanical. W. L. Turner. 1,755,230; Apr. 22.
- Cotton picker or lapper, Pneumatic. E. H. Rogers. 1,761,493; June 3.
- Cotton pickers, Adjustable stripper for. F. R. Friend. 1,776,315; Sept. 23.
- Cotton planter, Two-depth. J. R. Crawford. 1,743,882; Jan. 14.
- Cotton-preparing machine. E. T. Wuest. 1,769,669; July 1.
- Cotton recleaner and gin, Combined. J. E. Mitchell. 1,770,544; July 15.
- Cotton tramper. E. A. Holmgreen. 1,751,332; Mar. 18.
- Cotton tramper, Automatic. W. D. Wilson. 1,747,654; Feb. 18.
- Cotton wool for dressing purposes, Packing. A. Lehmann. 1,760,419; May 27.
- Cotton-working machine. R. S. Curley. 1,751,133; Mar. 18.
- Couch, Convertible chair. J. L. McKellar. 1,770,759; July 15.
- Couch frames or the like, Connecting means for. H. Mintz. 1,746,900; Feb. 11.
- Couch, Sliding. P. P. Beby. 1,783,530; Dec. 2.
- Counter. R. G. Cowan. Des. 81,684-7; July 29.
- Counter. C. H. Veeder. 1,756,443; Apr. 29.
- Counter and stop, Automatic course. F. Clemens. 1,780,909; Nov. 11.
- Counter and stop device, Automatic. P. Reiss. 1,749,158; Mar. 4.
- Counter attachment. A. Vanderveld. 1,747,495; Feb. 18.
- Counter attachment. A. Vanderveld and E. Morris. 1,767,823; June 24.
- Counterbalance. R. C. Baker. 1,770,601; July 15.
- Counterbalance. C. H. Bergquist. 1,785,668-9; Dec. 16.
- Counterbalance. C. H. Bergquist. 1,786,143; Dec. 23.
- Counterbalance. L. F. Fraser. 1,770,880; July 15.
- Counterbalance for walking beams, Pneumatic. J. T. Phipps. 1,775,733; Sept. 16.
- Counterbalance mechanism for builder levers. J. Jolly. 1,777,797; Oct. 7.
- Counterbalance stabilizer. G. G. Merchen. 1,786,216; Dec. 23.
- Counterbalancing device. W. G. Pontis. 1,761,023; June 3.
- Counter, Bank. P. A. Davis, 3d. 1,755,917; Apr. 22.
- Counterbore. A. L. Geitner. 1,776,499; Sept. 23.
- Counter-current contacting apparatus. C. L. Campbell. 1,773,258; Aug. 19.
- Counter, Display. S. G. Honstead. 1,755,782; Apr. 22.
- Counter, Display. J. R. Ragland. 1,767,397; June 24.
- Counter fixture. T. N. Deligianes. Des. 81,920; Sept. 2.
- Counter-molding apparatus. J. H. Scharffenberg. 1,755,900; Apr. 22.
- Counter-molding machine. J. H. Stewart. 1,750,438; Mar. 11.
- Counter, Post-card and envelope. C. G. Corning. 1,755,053; Apr. 15.
- Counter, Power-operated. H. J. Goss. 1,765,418; June 24.
- Counter, Refrigerating. W. J. Platten. Re17,586; Feb. 11.
- Counter, Refrigerator. A. Mallng. 1,751,285; Mar. 18.
- Counter, Shoe. G. E. Brittain. 1,742,895; Jan. 7.
- Counter-skiving machine. T. B. Cameron. 1,744,749; Jan. 28.
- Counter stiffener and arch support, Combined. F. E. Willis. 1,762,372; June 10.
- Counter stiffener and making the same. M. L. Dodge. 1,743,534; Jan. 14.
- Counter, Weighing. B. H. Tingley. 1,749,788; Mar. 11.
- Counterweight. Pivoted external. F. B. Caldwell. 1,768,825; July 1.
- Counting and delivering mechanism for presses and the like. Sheet. D. W. Coy. 1,770,973; July 22.
- Counting and grouping machine. J. S. Reaves. 1,754,047; Apr. 8.
- Counting and grouping mechanism for conveyers, Automatic. S. Olson. 1,752,540; Apr. 1.
- Counting device. J. I. Farrior. 1,765,262; June 17.
- Counting device. H. O. Hem. 1,768,477; June 24.
- Counting machine, Coin-. C. L. Downey. 1,750,578; Mar. 11.
- Counting mechanism. J. T. Robinson. 1,747,735; Feb. 18.
- Counting mechanism for calculating and like machines. W. S. Gubelmann. 1,742,525; Jan. 7.
- Counting meter. H. F. Obergfell and T. C. Riebe. 1,768,140; June 24.
- Couple and adjustment, Intermittent. A. Dina. 1,774,789; Sept. 2.
- Coupler. A. J. Bentley. 1,755,164; Apr. 22.
- Coupler. S. B. Haseltine. 1,747,512; Feb. 18.
- Coupler. W. F. Richards. Re17,690; June 3.
- Coupler and yoke connection. S. B. Haseltine. 1,751,150; Mar. 18.
- Coupler and yoke connection. J. F. O'Connor. 1,747,484; Feb. 18.
- Coupler, Car. M. Forchheimer. 1,750,314; Mar. 11.
- Coupler Connector. E. Seasholtz. 1,775,373; Sept. 9.
- Coupler connection. J. F. O'Connor. 1,747,483; Feb. 18.
- Coupler head and buffer, Combined. H. E. Van Dorn. 1,752,764; Apr. 1.
- Coupler, Hose. E. H. Gold, T. H. Manchester, and E. A. Russell. 1,743,270; Jan. 14.
- Coupler, Hose. E. H. Gold, T. H. Manchester, and E. A. Russell. 1,781,543; Nov. 11.
- Coupler, Hose. E. A. Russell and T. H. Manchester. 1,743,287-8; Jan. 14.
- Coupler key. E. G. Goodwin. 1,763,429; June 10.
- Coupler, Lubricating. O. U. Zerk. 1,748,819; Feb. 25.
- Coupler-operating device. G. G. Gilpin. 1,772,662-3; Aug. 12.
- Coupler-operating device, Car-. C. L. Howard. 1,750,308; Mar. 11.
- Coupler, Rubber. P. L. Tenney. 1,780,727; Nov. 4.
- Coupler, Safety. R. H. Worcester. 1,765,959; June 24.
- Coupler system, Electric. G. A. Mead. 1,749,149; Mar. 4.
- Coupler, Train air and steam line. J. L. Francis. 1,750,398; Mar. 11.
- Coupler, Train-pipe. E. O. Hermann. 1,786,066; Dec. 23.
- Coupling: See—
- | | |
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| Bracelet coupling. | Marine-type coupling. |
| Car coupling. | Metallic coupling. |
| Conduit coupling. | Motor coupling. |
| Conduit outlet coupling. | Pipe coupling. |
| Detachable coupling. | Pneumatic coupling. |
| Disconnecting coupling. | Rail coupling. |
| Electric coupling. | Releasing coupling. |
| Electrical coupling. | Resilient coupling. |
| Electromagnetic coupling. | Rod coupling. |
| Fence-post coupling. | Shaft coupling. |
| Flexible coupling. | Spiral conveyer coupling. |
| Float coupling. | Threadless coupling. |
| Friction coupling. | Tool-retaining coupling. |
| Hose and pipe coupling. | Tube and pipe coupling. |
| Hose coupling. | Universal coupling. |
| Joint coupling. | Valved coupling. |
| Machine coupling. | Vehicle coupling. |
| Magnet coupling. | |
- Coupling. R. C. Allen. 1,759,338; May 20.
- Coupling. L. S. Bessonett. 1,750,790; Mar. 18.
- Coupling. E. Deierlein. 1,755,104; Apr. 15.
- Coupling. J. Dumond. 1,757,009; May 6.
- Coupling. E. J. Hall. 1,760,492; May 27.
- Coupling. C. W. Hansell. 1,751,996; Mar. 25.
- Coupling. H. Maries. 1,785,870; Dec. 23.
- Coupling. W. M. Mayer. 1,747,783; Feb. 18.
- Coupling. E. C. Meyer. 1,754,639; Apr. 15.
- Coupling. J. S. Oechsle. 1,769,158; July 1.
- Coupling. C. L. Rayfield. 1,781,409; Nov. 11.
- Coupling. I. Ricefield. 1,748,146; Feb. 25.
- Coupling. I. Wagner. 1,776,208; Sept. 16.
- Coupling and change-speed gear, Hydraulic. S. G. Wingquist. 1,774,048; Aug. 26.
- Coupling and rotary tool joint, Pipe. G. A. Montgomery. 1,769,381; July 1.
- Coupling arrangement for frequency changers. W. Schaffer. 1,780,542; Nov. 4.
- Coupling device. F. A. Davidson. 1,762,572; June 10.
- Coupling device. L. A. Elmer. 1,778,756; Oct. 21.
- Coupling device. C. E. Hoppes. 1,770,271; July 8.
- Coupling device. I. Iseman. 1,772,395; Aug. 5.
- Coupling device. C. O. Kahle. 1,771,125; July 22.
- Coupling device. R. Kemlein. 1,787,203; Dec. 30.
- Coupling device. N. E. Lindenblad. 1,778,395; Oct. 14.
- Coupling device. I. K. Rystedt. 1,742,416; Jan. 7.
- Coupling device for sprocket chains. N. D. Levin. 1,775,680; Sept. 16.
- Coupling device for therapeutic bath coils, Outlet. R. Pabst. 1,767,697; June 24.
- Coupling device, Trailer-. P. A. Paradis and J. B. Massé. 1,776,979; Sept. 30.
- Coupling device, Variable. L. A. Hammarlund. 1,753,182; Apr. 1.
- Coupling. Electromagnetic friction. P. Schünemann. 1,746,365; Feb. 11.
- Coupling. Eliminating capacitive. H. A. Wheeler. 1,757,494; May 6.
- Coupling for cleaners. A. O. Engberg and F. Carlstedt. 1,757,240; May 6.
- Coupling for conductors. A. F. Pieper. 1,767,612; June 24.
- Coupling for drill rods. G. C. Gates, R. W. Clark, and P. C. Wills. 1,762,057; June 3.
- Coupling for engine cylinders, Air-compressing. J. Edgren. 1,782,718; Nov. 25.
- Coupling for fence posts and the like. J. C. Scheeler. 1,749,001; Mar. 4.
- Coupling for insulators. H. P. Sleeman. 1,760,786; May 27.
- Coupling for piezo-electric crystal devices, Mechanical. A. McL. Nicolson. 1,766,044; June 24.
- Coupling for pipes and the like, Disconnecting. J. Mueller. 1,767,391; June 24.
- Coupling for propeller shafts. C. Delp. 1,777,401; Oct. 7.

- Coupling for pumps, Flexible. H. D. Yoder. 1,786,810; Dec. 30.
- Coupling for railway draft gears. T. J. Ward. 1,769,170; July 1.
- Coupling for relatively movable members. W. C. Robbins. 1,777,129; Sept. 30.
- Coupling for suction hose. J. T. Lally. 1,762,065; June 3.
- Coupling for wires and cables. D. H. Osborne. 1,776,795; Sept. 30.
- Coupling head, Grease-gun. S. J. Krannak. 1,782,691; Nov. 25.
- Coupling mechanism. E. A. Larsson. 1,785,269; Dec. 16.
- Coupling members, Making. E. E. Johnson. 1,784,966; Dec. 16.
- Coupling or clamp for scaffolding or other purposes. A. C. Marshall. 1,783,735; Dec. 2.
- Coupling or clutch. W. L. McGrath. 1,770,419; July 15.
- Coupling or holding attachment for sashweight cords. C. Reifschneider. 1,758,850; May 13.
- Coupling pin, Car. W. J. Simmons, sr. 1,786,872; Dec. 30.
- Coupling pin, Flexible. G. A. Dalton and J. R. Dunham. 1,765,209; June 17.
- Coupling system, Electric. C. E. Trube. 1,762,431; June 10.
- Coupling system, Electric. C. E. Trube. 1,763,380; June 10.
- Coupling unit, High-frequency. F. A. Kolster. 1,766,039; June 24.
- Coupling with power storage, Shaft. R. Goldschmidt. 1,758,439; May 13.
- Couplings for sucker rods and the like, Making. F. W. Axtell. 1,753,638; Apr. 8.
- Couplings, Making. B. E. Dohner. 1,755,210; Apr. 22.
- Couplings, Making hose. C. C. Cadden. 1,778,244; Oct. 14.
- Couplings, Making middle rings for pipe. J. Clark. 1,745,783; Feb. 4.
- Couplings, Making pipe. H. Woodhead. 1,756,416; Apr. 29.
- Couplings, Regulating device for liquid. G. Bauer and C. Schmieske. 1,780,613; Nov. 4.
- Cover. C. D. Anderson. 1,767,501; June 24.
- Cover. H. Hersh. 1,762,985; June 10.
- Cover-all cap. J. G. Roehm. 1,774,727; Sept. 2.
- Cover and casket or vault decoration, Grave. J. W. Blacklock. 1,781,625; Nov. 11.
- Cover and grate combination for stove-lid openings. J. C. Weisman and G. A. Huetteman. 1,772,883; Aug. 12.
- Cover and making same, Book. C. D. Trussell. 1,745,461; Feb. 4.
- Cover and method of making, Basket. F. V. Johnson. 1,745,542; Feb. 4.
- Cover and process of making. A. M. Walstrom. 1,782,157; Nov. 18.
- Cover and securing means therefor, Tank-dome. J. Beyer. 1,784,480; Dec. 9.
- Cover and tent, Combined automobile. H. Sebell. 1,784,115; Dec. 9.
- Cover and tool holder for wells, Casing. F. W. Sadler. 1,756,799; Apr. 29.
- Cover and top feed guide, Can. J. Mengel. 1,751,520; Mar. 25.
- Cover, Ash-can. M. Rosner. 1,757,740; May 6.
- Cover attaching and locking means. E. C. Wamelink. 1,786,802; Dec. 30.
- Cover, Automatic grave. E. W. Doddridge. 1,776,492; Sept. 23.
- Cover, Automobile radiator. J. S. Irving and E. A. Green. Des. 81,795; Aug. 12.
- Cover, Automobile spring. J. C. Allen. 1,772,380; Aug. 5.
- Cover, Automobile spring. A. L. Clapp. 1,745,527; Feb. 4.
- Cover, Automobile spring. A. L. Clapp. 1,765,863; June 24.
- Cover, Auxiliary soap-cake. J. A. Perego. 1,782,859; Nov. 25.
- Cover, Battery. F. S. Carlike. 1,782,984; Nov. 25.
- Cover, Bolted dome. S. F. Beasley. 1,749,122; Mar. 4.
- Cover, Book. A. M. Martin. 1,748,236; Feb. 25.
- Cover, Book. B. I. Milton. 1,773,742; Aug. 26.
- Cover, Cake. P. Kempter. Des. 82,327; Oct. 21.
- Cover, Can. A. F. Jungerheld. 1,764,684; June 17.
- Cover, Can. D. M. Welch and C. Warner. 1,766,366; June 24.
- Cover, Can and slip. E. Hildebrandt. 1,764,304; June 17.
- Cover cap for collapsible packages. N. Littell. 1,742,657; Jan. 7.
- Cover, Collapsible. J. D. Stanton. 1,749,165; Mar. 4.
- Cover, Combination bread and cake. P. Kempter. Des. 82,561; Nov. 18.
- Cover, Conduit-box. H. A. Selah. 1,746,909; Feb. 11.
- Cover, Container. W. F. Hill. 1,782,532; Nov. 25.
- Cover, Container. W. H. Rose. 1,772,689; Aug. 12.
- Cover, Container. A. A. Schmidt and H. F. Kolell. 1,776,599; Sept. 23.
- Cover, Cushion or pillow. A. Moudry. Des. 82,047; Sept. 16.
- Cover, Dish. A. Kirmser. 1,745,935; Feb. 4.
- Cover, Dish. J. B. Zallio. 1,755,199-200; Apr. 22.
- Cover, Dispensing. C. R. Case. 1,767,742; June 24.
- Cover, Extractor. J. P. Lynch. 1,782,575; Nov. 25.
- Cover feed. G. C. Erb. 1,754,463; Apr. 15.
- Cover flange and holder. C. A. Wulf. 1,778,409; Oct. 14.
- Cover for annular objects. W. W. Rowe. 1,755,133; Apr. 15.
- Cover for baby carriages. M. Clyman. 1,770,841; July 15.
- Cover for boxes, cans, and the like, Embossed sheet-metal. C. H. Campbell. Des. 82,247; Oct. 14.
- Cover for buses. D. N. Hyman. 1,784,356; Dec. 9.
- Cover for cans, Lock. P. S. Shield. 1,760,888; June 3.
- Cover for conduit outlet boxes. J. T. Pearson. 1,767,226; June 24.
- Cover for conduit outlet boxes. J. T. Pearson and R. H. Olley. 1,777,530; Oct. 7.
- Cover for containers, Exterior slip. W. L. Wright and J. T. Bond. 1,760,029; May 27.
- Cover for cooking utensils. L. H. Taylor. 1,782,079; Nov. 18.
- Cover for cooking vessels. A. Rohrmann and H. Schmidt. 1,787,172; Dec. 30.
- Cover for display boxes. H. G. Huebner. 1,742,708; Jan. 7.
- Cover for dumping bodies, Demountable. L. E. Williams. 1,781,713; Nov. 18.
- Cover for dumping bodies, Flexible. L. E. Williams. 1,786,048; Dec. 23.
- Cover for dumping body, Curtain. L. E. Williams. 1,770,503; July 15.
- Cover for dumping vehicles, Roll-top. T. Nolen and J. C. Truemper. 1,784,248; Dec. 9.
- Cover for faucets, etc. H. C. Laddon. 1,758,708; May 13.
- Cover for garbage containers. J. W. Bagert. 1,770,385; July 15.
- Cover for ignition distributors, Protective. O. D. Hollenbeck. 1,748,650; Feb. 25.
- Cover for loose-leaf binders and making the same. C. D. Trussell. 1,776,526; Sept. 23.
- Cover for machines, Silencing. R. N. Baxter and B. C. Rue. 1,749,177; Mar. 4.
- Cover for plumbing fixtures, Protective. J. H. McCann. 1,785,872; Dec. 23.
- Cover for radiators. H. J. Lebherz. 1,777,210; Sept. 30.
- Cover for reflectors, Dustproof. L. C. Doane. 1,746,340; Feb. 11.
- Cover for registers and radiators. W. K. Gammeter. 1,785,253; Dec. 16.
- Cover for rumble seats, Shelter. W. C. Tzinski. 1,767,159; June 24.
- Cover for seat backs and the like. H. G. Wedler. 1,748,743; Feb. 25.
- Cover for sheet-metal containers, Removable. C. H. Rollason. 1,770,807; July 15.
- Cover for umbrellas, Detachable. E. M. Riley. 1,785,561; Dec. 16.
- Cover for vehicle springs. S. Bolin. 1,762,954-5; June 10.
- Cover, Garment. C. B. Gilbert. 1,786,341; Dec. 23.
- Cover, Garment-hanger. B. M. Foote. 1,769,216; July 1.
- Cover, Garment-hanger. G. Wordingham. 1,749,238; Mar. 4.
- Cover glass. S. L. Lebbly. 1,782,732; Nov. 25.
- Cover hanger and plate-fastening device. W. M. Connery. 1,755,469; Apr. 22.
- Cover, Hat. S. Manos. 1,754,114; Apr. 8.
- Cover, Hatch. R. MacGregor. 1,768,701; July 1.
- Cover, Hingeless receptacle. G. A. Lindstedt. 1,743,279; Jan. 14.
- Cover-lining apparatus. B. Dewey. 1,748,914; Feb. 25.
- Cover, Magazine. W. D. Rose. Des. 82,449; Nov. 4.
- Cover, Manhole. C. N. Elsy. 1,751,194; Mar. 18.
- Cover, Manhole. D. S. Jacobus. 1,746,700; Feb. 11.
- Cover, Mattress. M. Sherover. Des. 82,707; Dec. 2.
- Cover or similar article of manufacture, Box. J. A. Corbett. Des. 80,780; Mar. 25.
- Cover or the like, Embroidered table. S. N. Mallouk. Des. 81,060; Apr. 29.
- Cover plate for sound-wave apparatus or similar article. J. M. Auferio. Des. 81,044-5; Apr. 29.
- Cover, Pressed-steel timing-gear. T. M. Mueller. 1,746,223; Feb. 4.
- Cover, Protective book. C. W. Greenhill. 1,753,464; Apr. 8.
- Cover, Radiator. A. E. Hurst. 1,757,090; May 6.
- Cover, Radiator. E. C. Lawrence. 1,771,714; July 29.
- Cover, Radiator. L. H. Young. 1,777,241; Sept. 30.
- Cover, Receptacle. F. M. Luchs. 1,776,813; Sept. 30.
- Cover, Removable automobile seat. H. A. Sallop. 1,774,51; Oct. 7.
- Cover, Removable seat. A. W. Connor and S. H. Schwartz. 1,761,657; June 3.
- Cover-retaining means. R. A. Swanson. 1,752,710; Apr. 1.
- Cover, Sadiron. A. O. Samuels. Des. 82,226; Oct. 7.
- Cover, Sanitary toilet-seat. H. Dewaide. 1,744,300; Jan. 21.
- Cover, Sanitary toilet-seat. R. Oates. 1,776,333; Sept. 23.
- Cover, Sanitary toilet-seat. T. Strumpf. 1,765,463; June 24.
- Cover, School desk and seat. S. J. Roberts. 1,783,675; Dec. 2.
- Cover, Seat. W. L. Fry. 1,782,815; Nov. 25.
- Cover, Self-basting. O. Tollagen. 1,755,800; Apr. 22.
- Cover-separating means. J. Peyser. 1,751,556; Mar. 25.
- Cover, Slip. A. A. Schimmel. 1,753,668-9; Apr. 8.
- Cover, Snuff-box. J. Peterson and J. C. Thom. 1,772,322; Aug. 5.
- Cover, Spring. W. T. Ferguson. 1,777,300; Oct. 7.
- Cover, Spring. B. B. Leustig. 1,760,651; May 27.

- Cover, Spring. G. W. Toft. 1,743,293; Jan. 14.
 Cover spring. C. B. Woodworth. 1,750,915; Mar. 18.
 Cover, Stewpan. W. H. Schmitt. 1,770,997; July 22.
 Cover, Suspended. V. Pellegrino. 1,759,628; May 20.
 Cover, Switch-box plate. F. G. Darlington. 1,784,277; Dec. 9.
 Cover, Table. W. R. Cluff. Des. 81,775; Aug. 12.
 Cover, Table. C. A. Hupp. Re17,714; June 24.
 Cover, Table. C. A. Hupp. 1,744,769; Jan. 28.
 Cover, Thief-hole. C. Ehret. 1,781,722; Nov. 18.
 Cover, Thief-hole. O. C. Watson. 1,753,394; Apr. 8.
 Cover, Tire. F. D. Hansen and H. W. Tinker. Des. 82,028; Sept. 16.
 Cover, Tire. T. J. McCormick. 1,761,735; June 3.
 Cover, Tire. T. J. McCormick. 1,779,913; Oct. 28.
 Cover, Toilet-seat. R. Light. 1,745,223; Jan. 28.
 Cover, Tub. F. Partenico. 1,744,496; Jan. 21.
 Cover, Wheel and tire. H. Kanner. 1,753,519; Apr. 8.
 Covering, Air-cell pipe. A. P. Jurgensen. 1,761,793; June 3.
 Covering, Aircraft. I. M. Jacobsohn and S. Truscott. 1,779,846; Oct. 28.
 Covering and making same, Floor. C. Ellis. 1,784,800-01; Dec. 9.
 Covering and making same, Light-colored floor. C. Ellis. 1,784,803; Dec. 9.
 Covering and making same, Textured floor. C. Ellis. 1,784,802; Dec. 9.
 Covering and making same, Variegated floor. C. Ellis. 1,784,804; Dec. 9.
 Covering, Artificial-golf-course. G. R. Swope. 1,763,411; June 10.
 Covering, Book. S. Mosher. 1,779,980; Oct. 28.
 Covering, Emergency Protective. E. S. Jarrett. 1,748,607; Feb. 25.
 Covering, Floor. R. D. Bonney and W. Y. Irwin, jr. 1,784,810; Dec. 16.
 Covering, Floor. J. B. Campbell. 1,755,978; Apr. 22.
 Covering, Floor. J. B. Campbell. 1,766,879; June 24.
 Covering, Floor. C. Ellis. 1,784,135; Dec. 9.
 Covering for bridges, Protective. W. H. Lawrence. 1,780,622; Nov. 4.
 Covering for hair waving. P. D. Spaeth, jr. 1,746,018; Feb. 4.
 Covering for plater rolls. J. T. Johnston. 1,752,005; Mar. 25.
 Covering for seats or backs thereof. F. C. Brock and I. L. Smith. 1,771,872; July 29.
 Covering for vanity cases, coin banks, and other receptacles, Decorative. D. H. Zell. 1,749,795; Mar. 11.
 Covering, Heel. W. H. Nutt. 1,761,021; June 3.
 Covering machines, Box-form attachment for. F. A. Jones and G. W. Klaucke. 1,750,716; Mar. 18.
 Covering, Manufacturing a floor or ceiling. C. Gartenmann. 1,772,942; Aug. 12.
 Covering material and making same. Floor. C. Ellis. 1,784,799; Dec. 9.
 Covering or turbine, Head. A. M. Grean. 1,749,340; Mar. 4.
 Covering, Pipe. P. D. Mallay. 1,742,775; Jan. 7.
 Covering, Process and apparatus for the production of felt base floor. J. B. Campbell. 1,787,140; Dec. 30.
 Covering, Roof. B. E. Horne. 1,772,488; Aug. 12.
 Covering structure, Space-. C. Pantke. 1,773,851; Aug. 26.
 Covering surfaces with plates from fusible material and product resulting therefrom. H. Borsari-Fischer. 1,742,346; Jan. 7.
 Coverings and product obtained thereby, Manufacture of floor. M. C. Teague. 1,765,748; June 24.
 Coverings, Apparatus for making mottled floor. N. L. Campbell. 1,750,567; Mar. 11.
 Covers for culinary utensils. F. R. Kunath. 1,776,035; Sept. 16.
 Covers, Mechanism for casting annealing-box. H. E. Sheldon. 1,777,506; Oct. 7.
 Covers, Method and apparatus for curling can. H. L. Bryant. 1,768,924; July 1.
 Covers of pneumatic tires, Appliance for vulcanizing. A. E. Burch. 1,751,392; Mar. 18.
 Cow trainer. W. A. Jost. 1,746,770; Feb. 11.
 Cowl construction. C. Schlesinger. 1,757,783; May 6.
 Cowl for flood lights or the like, Ventilating. J. C. Heron. 1,772,894; Aug. 12.
 Cowl molding and lamp bracket construction. T. P. Archer. 1,769,095; July 1.
 Cowl ventilator. M. H. Toncray and J. W. Greig. 1,743,503; Jan. 14.
 Crab-catching device, Automatic. F. Burns and T. J. Desporte. 1,777,783; Oct. 7.
 Crab trap. J. Holoubek. 1,785,348; Dec. 16.
 Crack filler. J. D. Tomlinson. 1,783,683; Dec. 2.
 Cracker caddy. H. R. Bliss. 1,770,226; July 8.
 Cracking still and process. M. J. Trumble. 1,762,433; June 10.
 Cradle, Curtain-roll. J. B. MacArthur and R. C. Sansom. 1,742,549; Jan. 7.
 Craft adapted to travel on land or water or in the air. J. B. Iere. 1,780,298; Nov. 4.
 Cranberry gatherer. J. E. Morano. 1,784,702; Dec. 9.
 Crane. E. T. Bennington. 1,746,882; Feb. 11.
 Crane. H. P. Elliott. 1,765,408; June 24.
 Crane. A. B. Jacoby. 1,785,090; Dec. 16.
 Crane. G. Niemann. 1,769,750; July 1.
 Crane. E. J. G. Phillips. 1,752,026; Mar. 25.
 Crane. L. Pierce. Re17,886; Nov. 25.
 Crane. E. H. Remde. 1,748,365; Feb. 25.
 Crane, Collapsible jib. C. M. Dibble. 1,779,271; Oct. 21.
 Crane, Counterbalanced. H. E. Swenson. 1,756,106; Apr. 29.
 Crane for installation on motor vehicles. G. Joret. 1,771,333; July 22.
 Crane for locomotive appurtenances, Work-handling. J. Kwiatkowski. 1,784,694; Dec. 9.
 Crane, Hoe-type shovel. L. A. Russell. 1,783,055; Nov. 25.
 Crane, Instroke shovel. L. A. Russell. 1,783,056; Nov. 25.
 Crane, Ladle. H. M. Lane. 1,748,232; Feb. 25.
 Crane, Loading. W. W. Leach. 1,783,021; Nov. 25.
 Crane, Locomotive. A. E. Holcomb. 1,751,633; Mar. 25.
 Crane-operated device. O. A. Bartholomew. 1,781,943; Nov. 18.
 Crane, Order. B. M. Perkins. 1,782,936; Nov. 25.
 Crane, Overhead. B. F. Fitch. 1,747,765; Feb. 18.
 Crane, Portable. A. A. Bureau. 1,782,406; Nov. 25.
 Crane, Portable. E. P. Douglass. 1,761,194; June 3.
 Crane, Portable. W. Jobs. 1,759,406; May 20.
 Crane, Portable. R. T. Romine. 1,745,045; Jan. 28.
 Crane, Portable. B. Stockfleth and F. W. Burger. 1,755,798; Apr. 22.
 Crane rig. J. R. McWane. 1,765,023; June 17.
 Crane, Tractor boom. F. G. Beckman. 1,765,295; June 17.
 Crane, Traveling. A. E. Moore. 1,758,580; May 13.
 Crane, Traveling. A. S. Stokes. 1,755,138; Apr. 15.
 Crane, Turntable. B. F. Fitch. 1,748,708; Feb. 25.
 Crane, Winch. R. E. Manley. 1,778,805; Oct. 21.
 Crane, Worm-drive. E. H. Lichtenberg. 1,763,617; June 10.
 Cranes and the like, Base for. C. L. George. 1,749,183; Mar. 4.
 Cranes, Boom-angle indicator for. E. H. Lichtenberg. 1,750,962; Mar. 18.
 Cranes, Device for stabilizing. H. L. Mitchell. 1,767,470; June 24.
 Cranes or the like, Outrigger for. G. A. Vaughn. 1,762,705; June 10.
 Crank arm. S. E. Manning. 1,742,552; Jan. 7.
 Crank arms and crank pins, Resizing. J. Kindervater. 1,759,233; May 20.
 Crank-case construction. J. B. Fisher. 1,775,852; Sept. 16.
 Crank-case construction. A. H. Leak. 1,773,399; Aug. 19.
 Crank-case implement. H. A. McGowan. Re17,613; Mar. 4.
 Crank-case heater. T. P. Hannegan. 1,752,594; Apr. 1.
 Crank-case ventilation. R. Clason. 1,760,836; May 27.
 Crank-case ventilation. J. H. Hunt. 1,749,345; Mar. 4.
 Crank-case ventilation. W. H. Moyse. 1,756,001; Apr. 22.
 Crank-case ventilation. H. C. M. Stevens and R. V. Hutchinson. 1,757,149; May 6.
 Crank-case ventilator. E. S. MacPherson. 1,781,405; Nov. 11.
 Crank-case ventilator. P. B. Taylor. 1,761,944; June 3.
 Crank-case-venting means for pneumatic tools. A. Levedahl and R. A. Norling. Re17,583; Feb. 4.
 Crank-case-venting means for pneumatic tools. A. Levedahl and R. A. Norling. 1,750,013; Mar. 11.
 Crankless engine. A. G. M. Michell. 1,773,596; Aug. 19.
 Crankless engine. T. L. Sherman. 1,769,552; July 1.
 Crankless engine. T. L. Sherman. 1,780,365; Nov. 4.
 Crank mechanism. J. Dawson. 1,748,443; Feb. 25.
 Crank mechanism, Starting-. C. J. Tremlett. 1,779,519; Oct. 28.
 Crank pin and collar. G. Brown and A. B. Appler. 1,783,825; Dec. 2.
 Crank-pin device, Railway-driving-wheel. R. F. Knight. 1,762,337; June 10.
 Crank shaft. L. Damblanc. 1,767,352; June 24.
 Crank shaft. H. Ford. 1,749,807; Mar. 11.
 Crank shaft. J. T. Long. 1,753,709; Apr. 8.
 Crank shaft. H. Schrön. 1,780,947; Nov. 11.
 Crank shaft and connecting rod for internal-expansion engines. L. G. Weylandt. 1,754,380; Apr. 15.
 Crank-shaft assembly. G. D. Wilson. 1,752,625; Apr. 1.
 Crankshaft construction. G. J. Mead. 1,772,631; Aug. 12.
 Crank shaft, Counterbalanced. J. A. Oldson. 1,756,659; Apr. 29.
 Crank-shaft-twisting machine. M. H. Damerell. 1,756,634; Apr. 29.
 Crank-twisting machine. T. Shaw. 1,779,017; Oct. 21.
 Crank shafts, Balancing of. C. Clench. 1,783,073; Nov. 25.
 Crank shafts, Method and machine for twisting. H. M. Wolfe and C. A. Nichol. 1,778,879; Oct. 21.
 Cranking device. J. T. Bishop and R. W. Christy. 1,758,138; May 13.
 Crate. J. W. Anderson. 1,742,983; Jan. 7.
 Crate. L. E. Anderson. 1,772,381; Aug. 5.
 Crate. W. H. Hennessey. 1,746,470; Feb. 11.
 Crate attachment. D. A. La Gasse. 1,782,307; Nov. 18.
 Crate, Bottle. H. Wildberg. 1,770,331; July 8.
 Crate, Collapsible. W. F. Geddes. 1,779,124; Oct. 21.
 Crate, Collapsible furniture. E. F. Rau. 1,769,389; July 1.
 Crate, Fiber-board. H. B. Walter. 1,767,629; June 24.
 Crate for small animals, Shipping. M. C. Imler. 1,784,187; Dec. 9.

- Crate for use in weighting fabrics. E. J. Maskery. 1,758,956; May 20.
- Crate, Freight-handling. J. J. Fullerton. 1,775,956; Sept. 16.
- Crate, Fruit. G. H. Bell. 1,748,825; Feb. 25.
- Crate, Hog. W. N. Primm. 1,764,522; June 17.
- Crate, Milk-bottle. R. Stoddard. 1,781,825; Nov. 18.
- Crate, Packing. G. A. Small and J. J. Henze. 1,771,016; July 22.
- Crate, Pickling. C. W. Haller. Re17,882; Nov. 25.
- Crate, Poultry. A. Karlson. 1,771,492; July 29.
- Crate press. T. J. and J. W. Bell. 1,745,203; Jan. 28.
- Crating means for conduits. L. H. Frank. 1,774,641; Sept. 2.
- Crates, Spacing strip for bottle-shipping. F. H. Yeomans. 1,761,459; June 3.
- Cravat attachment. S. J. Lindskog. 1,750,232; Mar. 11.
- Cravat, four-in-hand type, Gentleman's. B. M. Levin. 1,756,295; Apr. 29.
- Cream cooler. R. E. Harter and G. McNally. 1,772,145; Aug. 5.
- Cream cooler. A. M. Samuelson. 1,783,585; Dec. 2.
- Cream cutter, Frozen-. E. D. Lamphere, jr. 1,784,603; Dec. 9.
- Cream separator. I. L. Harvey. 1,775,642; Sept. 16.
- Cream separator. J. and A. Persoons. 1,748,391; Feb. 25.
- Cream separator. W. L. Simpson. 1,779,830; Oct. 28.
- Cream separators, Lubricating system for. L. B. Sperry. 1,778,435; Oct. 14.
- Cream, Skin. J. Risler. 1,779,891; Oct. 28.
- Cream testers, Timer for. P. L. and B. F. Cool. 1,780,377; Nov. 4.
- Creamery waste, Treating. J. T. Travers. 1,747,802; Feb. 18.
- Creams and the like, Plant for molding. R. Savy, G. R. Baker, and W. E. Prescott. 1,781,345; Nov. 11.
- Creasing and cutting machine. J. T. Robinson and H. F. Cook. 1,787,170; Dec. 30.
- Creasing and scoring machine, Rotary. J. T. Robinson and G. E. Gooding. 1,746,284; Feb. 11.
- Creasing machine, Rotary. J. T. Robinson. 1,769,466; July 1.
- Credit register. R. James and J. E. Dungan. 1,745,218; Jan. 28.
- Crematory. A. H. Mann. 1,742,868; Jan. 7.
- Crepe-steaming rack. L. T. Carpenter. 1,752,884; Apr. 1.
- Creping machine. S. J. Campbell. 1,764,676; June 17.
- Creping mechanism. S. J. Campbell. 1,751,471; Mar. 25.
- Creping process. W. W. Rowe. 1,782,767; Nov. 25.
- Cresol from aqueous solutions of same, Recovering. H. Suida. 1,784,711; Dec. 9.
- Crevice in rock formations or the like, Method and apparatus for sealing. G. W. Christians. 1,763,219; June 10.
- Crib and swing, Combined. J. C. Anderegg. 1,746,098; Feb. 4.
- Crib, Sunshine. F. L. Knowles. 1,776,440; Sept. 23.
- Cribbing. O. S. Flath. 1,773,579; Aug. 19.
- Cribbing. J. S. Huntton. 1,787,199-200; Dec. 30.
- Cribbing. J. B. Rutter. 1,749,303; Mar. 4.
- Cribs, Pedal control for drop-side. J. Michal. 1,744,658; Jan. 21.
- Criminal confessions and photographically recording them. Apparatus for obtaining. H. A. Shelby. 1,749,090; Mar. 4.
- Crimping machine. J. M. Christman. 1,787,142; Dec. 30.
- Crimping mechanism for cylinder-forming machines. W. R. Myers. 1,761,990; June 3.
- Crockery and the like, Device for cleaning and washing. F. Staines. 1,782,018; Nov. 18.
- Cropping shears, Automatic. L. Johnson. 1,767,763; June 24.
- Cross arm and pin. J. H. Neville. 1,744,662; Jan. 21.
- Cross-flooding machine. G. Spiess. 1,782,323; Nov. 18.
- Crosshead. F. N. Bard. 1,758,212; May 13.
- Crosshead. C. Markel. 1,764,049; June 17.
- Crosshead. J. O. McArthur. 1,786,121; Dec. 23.
- Crosshead and shoe. C. Markel. 1,760,910; June 3.
- Crossing composed of vignoles rails. F. Werthmann. 1,765,856; June 24.
- Crossing gate, Automatic railroad-. V. Galizia. 1,759,742; May 20.
- Crossing-protection apparatus, Highway-. H. W. Wolff. 1,746,725; Feb. 11.
- Crossing signal. J. A. Morrison. 1,757,206; May 6.
- Crossing signal. E. Peters. 1,747,881; Feb. 18.
- Crossing signal, Railroad-. E. H. Englehorn. Des. 80,832; Apr. 1.
- Crossing signal, Railroad-. F. Payne. 1,782,312; Nov. 18.
- Crossing signal, Railway-. E. Watson. 1,748,965; Mar. 4.
- Crosstie structure for locomotive side frames. J. G. Blunt. 1,778,749; Oct. 21.
- Crown block. G. J. Cormier. 1,749,906; Mar. 11.
- Crown block. W. D. Davidson. 1,783,328; Dec. 2.
- Crucible for aluminothermic reactions. H. Schultz. 1,774,816; Sept. 2.
- Crucibles, Making. W. R. Whitney. 1,784,647; Dec. 9.
- Cruet, Water. J. J. O'Brien. 1,779,615; Oct. 28.
- Crusher. Sec—
- Fruit crusher. Rock crusher.
- Gyratory crusher. Single-roll crusher.
- Hammer crusher. Stone crusher.
- Crusher. W. A. Battey and C. A. Jamison. 1,743,996; Jan. 14.
- Crusher. R. Bernhard. 1,748,102; Feb. 25.
- Crusher. W. I. Bowden. 1,748,828; Feb. 25.
- Crusher. G. E. Chamberlain. 1,773,476; Aug. 19.
- Crusher. D. Cole. 1,775,750; Sept. 16.
- Crusher. L. De Vito. 1,747,970; Feb. 18.
- Crusher. J. E. Kennedy. 1,748,484; Feb. 25.
- Crusher and separator, Combination. E. H. Rider. 1,769,310; July 1.
- Crusher head for homogenizing apparatus. A. P. Andersen. 1,771,369; July 22.
- Crusher plate, Reinforced. C. E. Harrison. 1,748,879; Feb. 25.
- Crushing apparatus, Sugar-cane-. F. Maxwell. 1,763,855; June 17.
- Crushing machine. E. B. Symons. 1,776,454; Sept. 23.
- Crushing machinery, Screen bar for. O. Anderson. 1,746,512; Feb. 11.
- Crushing machinery, Screen bar for. J. E. Stine. 1,746,563; Feb. 11.
- Crushing Mill. H. E. Whipple. 1,777,061; Sept. 30.
- Crushing-roll apparatus. F. W. MacLennan. 1,761,268; June 3.
- Crushers and the like, Feeding device for. C. F. Smith. 1,761,240; June 3.
- Crutch. G. Scheihing. 1,769,167; July 1.
- Crutch attachment. T. E. Payne. 1,753,065; Apr. 1.
- Crutch tip. P. R. Wesley. Des. 81,900; Aug. 26.
- Crutch, Wheel-mounted adjustable-frame. L. C. Smoot. 1,757,784; May 6.
- Crypt. Burial. D. E. Minton and S. H. Gallagher. 1,768,369; June 24.
- Crystal apparatus, Piezo-electric-. H. D. Eisenhauer. 1,743,028; Jan. 7.
- Crystal mounting, Semirigid. C. W. Hansell. 1,783,014; Nov. 25.
- Crystal pendant. J. G. Fisher. Des. 81,574; July 15.
- Crystal-setting device. J. Shiffman and R. Mishel. 1,746,016; Feb. 4.
- Crystalline dextrose, Making. W. B. Newkirk. 1,783,626; Dec. 2.
- Crystallization. J. R. and T. Ray. 1,785,530; Dec. 16.
- Crystallization, Method of and apparatus for. E. W. Kopke. 1,749,588; Mar. 4.
- Crystallization process. W. E. Burke. 1,787,356; Dec. 30.
- Crystallizer. W. G. Hall. 1,769,779; July 1.
- Crystals in watch bezels, Installing nonbreakable. W. E. Porter. 1,746,965; Feb. 11.
- Cue tip. J. B. Crookston. 1,763,612; June 10.
- Cuff. E. A. Schlitz. 1,774,069; Aug. 26.
- Cuff and making the same. W. J. Beattie. 1,769,937; July 8.
- Cuffs of knickers, Connector device for. C. Douglass. 1,784,785; Dec. 9.
- Culinary appliance. A. J. Casale. 1,742,232; Jan. 7.
- Culinary article. M. J. Maness. 1,769,525; July 1.
- Culinary implement. F. Pfeiffer, sr. Des. 82,054; Sept. 16.
- Culinary means. A. Rohrmann and H. Schmidt. 1,787,171; Dec. 30.
- Culinary utensil. C. F. Burkhardt. 1,762,257; June 10.
- Cullet, Process and apparatus for producing granulated. G. Lufkin. 1,744,397; Jan. 21.
- Cultivating device. B. M. Rolph. 1,784,974; Dec. 16.
- Cultivator. J. Beaudry. 1,786,388; Dec. 23.
- Cultivator. O. M. Bullock. Re17,837; Oct. 21.
- Cultivator. A. H. S. Coventry. 1,745,009; Jan. 28.
- Cultivator. M. Doersch. 1,752,070; Mar. 25.
- Cultivator. F. V. Donald. 1,765,358; June 17.
- Cultivator. G. F. Dugger. 1,747,059; Feb. 11.
- Cultivator. A. D. Gallagher. 1,749,974; Mar. 11.
- Cultivator. J. W. Grim. 1,773,672; Aug. 19.
- Cultivator. G. Hardie. 1,785,901; Dec. 23.
- Cultivator. L. H. Kaupke. 1,767,851; June 24.
- Cultivator. S. L. Kidd. 1,759,854; May 27.
- Cultivator. R. H. Kipp. 1,769,142; July 1.
- Cultivator. J. C. Koch. 1,776,693; Sept. 23.
- Cultivator. H. Mehlig. 1,749,731; Mar. 4.
- Cultivator. A. W. Reynolds. 1,760,001; May 27.
- Cultivator. J. P. Seaholm. 1,784,499; Dec. 9.
- Cultivator. C. G. Strandlund. 1,775,835; Sept. 16.
- Cultivator. J. F. Zeilinger. 1,782,593; Nov. 25.
- Cultivator, Adjustable. D. R. Bomford and S. E. Alley. 1,779,158; Oct. 21.
- Cultivator and barrow. W. A. Maxwell. 1,774,388; Aug. 26.
- Cultivator and pulverizer. J. T. Doolan. 1,768,581; July 1.
- Cultivator and ridge leveler, Combined listed-corn. L. W. Chase, J. Smethers, J. C. Brand, and A. H. Barnhart. 1,745,740; Feb. 4.
- Cultivator attachment. W. F. Cecil. 1,756,180; Apr. 29.
- Cultivator attachment. J. T. Clark. 1,751,682; Mar. 25.
- Cultivator attachment. D. W. Duellman. 1,747,058; Feb. 11.
- Cultivator attachment. W. D. Edwards. 1,747,291; Feb. 18.
- Cultivator attachment. S. C. English. 1,760,940; June 3.
- Cultivator attachment. W. C. Speck. 1,763,271; June 10.
- Cultivator attachment for tractors. T. R. Cummings. 1,754,614; Apr. 15.

- Cultivator attachment for tractors. D. K. Trotter. 1,769,086; July 1.
- Cultivator, Disk. F. E. Allen. 1,766,164; June 24.
- Cultivator, Disk. W. F. Hamilton. 1,764,402; June 17.
- Cultivator, Disk. H. F. Towner. 1,762,844; June 10.
- Cultivator, Engine-driven rotary. D. C. Pedersen. 1,778,334; Oct. 14.
- Cultivator fender. R. C. Pelton. 1,773,853; Aug. 26.
- Cultivator, Hand. G. R. Bellah. 1,766,212; June 24.
- Cultivator harrow, Combined. A. Olsson. 1,782,934; Nov. 25.
- Cultivator hitch. A. Blecha. 1,781,972; Nov. 18.
- Cultivator, Lawn. H. D. Stidger. 1,742,563; Jan. 7.
- Cultivator, Lister. L. Kirilin. 1,747,515; Feb. 18.
- Cultivator reel. R. C. Brewer. 1,757,511; May 6.
- Cultivator, Rotary. J. P. Bagan. 1,776,612; Sept. 23.
- Cultivator shield. B. F. Reeves. 1,779,334; Oct. 21.
- Cultivator, shovel, weeder, and mulcher. H. R. Pence. 1,769,545; July 1.
- Cultivator, Spring-tooth. E. L. McOsker. 1,784,193; Dec. 9.
- Cultivator sweep, Detachable. W. B. Murphy. 1,786,124; Dec. 23.
- Cultivator, Tractor drawbar. B. Ray. 1,746,606; Feb. 11.
- Cultivator, Tractor-drawn. L. E. Stuart. 1,777,985; Oct. 7.
- Cultivator, Two-row lister. L. E. Savage. 1,744,579; Jan. 21.
- Cultivator, weeder, and pulverizer, Combination. J. Yackley. 1,767,162; June 24.
- Cultivator-wheel mounting. T. Brown. 1,780,900; Nov. 11.
- Cultivators, Attachment for listed corn. J. F. Kroupa. 1,767,378; June 24.
- Cultivators, Dragbar for. J. Goddard and R. A. Calvert. 1,783,081; Nov. 25.
- Cultivators, Hilling attachment for. C. M. De Yone. 1,785,676; Dec. 16.
- Cultivators, Line rack for. B. S. Kelley. 1,757,433; May 6.
- Cultivators, Seed-replanting attachment for. E. Ayers. 1,783,032; Nov. 25.
- Culture, Promoting date. H. L. Cavanagh. 1,765,482; June 24.
- Culvert. H. Hutchinson. 1,774,599; Sept. 2.
- Culvert, Drainage. P. Van Horne. 1,759,330; May 20.
- Culvert joint. J. P. Dolan. 1,771,167; July 22.
- Culvert, Metallic. J. B. Chambers. 1,755,594; Apr. 22.
- Culvert, Sheet-metal. W. E. Babe. 1,783,597; Dec. 2.
- Cup: See—
 Beverage cup. Oil cup.
 Collecting cup. Paper cup.
 Cone cup. Salt cup.
 Golf cup. Shaving cup.
 Grease cup. Teat cup.
 Hydraulic force cup.
- Cup and cone holder, Combination. J. W. Strickland. 1,757,689; May 6.
- Cup attachment for faucets, Bubbling. H. N. Cross. 1,772,209; Aug. 5.
- Cup dispenser. A. C. Wood and R. Bares. 1,753,357; Apr. 8.
- Cup dispenser, Conical. C. Barbieri. Re17,664; May 13.
- Cup dispenser, Drinking. H. A. Miller. 1,752,607; Apr. 1.
- Cup-dispensing mechanism. H. M. Henderson. 1,754,271; Apr. 15.
- Cup for milking machines, Teat. R. E. Maes. 1,769,032; July 1.
- Cup for sponge moisteners. C. C. Harris. 1,782,505; Nov. 25.
- Cup-making machine, Flat-bottom. H. Carle. 1,743,424; Jan. 14.
- Cup-making machine, Paper. E. G. Wessman and H. A. Stone. 1,766,420; June 24.
- Cup or similar article. H. Ufford. Des. 82,635; Nov. 25.
- Cup or similar article, Paper. A. S. Allen. Des. 81,218; May 27.
- Cup or the like. C. Wesp. Des. 81,728; July 29.
- Cup-shaped members, Apparatus for expanding. J. E. Batle. 1,753,680; Apr. 8.
- Cup-shaped members, Apparatus for forming. W. N. Booth. 1,766,098; June 24.
- Cup washer. J. J. McElroy and E. L. Beecher. 1,767,936; June 24.
- Cups, Apparatus for cleaning teat. H. C. Beckman. 1,757,035; May 6.
- Cups, Method of and machine for making. C. S. Batdorf. 1,756,478; Apr. 29.
- Cups, Production of paper. W. F. Hill. 1,743,215; Jan. 14.
- Cupola furnace. T. P. Anthony. 1,747,208; Feb. 18.
- Cupola top. C. G. Hawley. 1,747,669; Feb. 18.
- Cupric-oxide removal. W. T. Anderson, jr., and L. F. Bird. 1,773,160; Aug. 19.
- Cuprous compounds, Making. S. B. Heath and M. O. Keller. 1,763,781; June 17.
- Curb and street form. E. T. Harrold. 1,770,518; July 15.
- Curb block. T. Fliflet and T. B. Allardice. 1,754,939; Apr. 15.
- Curb box, Removable. M. W. Merriman. 1,744,278; Jan. 21.
- Curb form. G. H. Miller. 1,764,029; June 17.
- Curbings, Concrete. H. A. Blanchard. 1,780,904; Nov. 11.
- Curd-working machine. J. J. Derfus. 1,781,373; Nov. 11.
- Curette, Operating. I. C. Mierley. 1,749,919; Mar. 11.
- Curier, Electric hair. B. F. Ostrowski. 1,762,792; June 10.
- Curier, Hair. E. L. Smith. 1,774,532; Sept. 2.
- Curling iron. J. H. Jacobs. 1,744,386; Jan. 21.
- Curling machine, Hair. C. D. Oswald. 1,781,244; Nov. 11.
- Curling or waving hair, Device for. A. J. Laverdiere. 1,758,050; May 13.
- Curling stone. C. L. Gillis. 1,772,804; Aug. 12.
- Currency-stamping machines having counting mechanism, Control device of. U. Kohler. 1,786,251; Dec. 23.
- Current, Apparatus for generating electric. O. D. Treiber. 1,751,958; Mar. 25.
- Current apparatus, Speech. A. G. Zimmerman. 1,743,011; Jan. 7.
- Current-carrying contact, Wear-resisting. H. Blomberg. 1,771,977; July 29.
- Current-carrying device. M. L. Eckman. 1,778,628; Oct. 14.
- Current-collecting device. D. C. Hershberger. 1,754,016; Apr. 8.
- Current collector for electric vehicles. J. F. de Tóváros. 1,773,262; Aug. 19.
- Current-collecting mechanism. E. A. Binney. 1,757,611; May 6.
- Current collector. J. M. Barr and H. L. Smith. 1,756,004; Apr. 22.
- Current collector. J. F. de Tóváros. 1,744,623; Jan. 21.
- Current collector. G. W. Packer. 1,765,441; June 24.
- Current collector. W. Schaake. 1,747,489; Feb. 18.
- Current collector bows, Device for the prevention of the tilting movement of. F. Szalay. 1,760,795; May 27.
- Current collector for electric vehicles. J. F. de Tóváros. 1,744,622; Jan. 21.
- Current collector for overhead conductors of electric railways, Sliding. J. F. de Tóváros. 1,744,530; Jan. 21.
- Current collector for overhead wires of electric railways, Sliding. J. F. de Tóváros. 1,744,530; Jan. 21.
- Current commutator machines, Control system for alternating. F. Konn. 1,756,867; Apr. 29.
- Current-conducting device, Unidirectional. R. J. Piersol. 1,746,867; Feb. 11.
- Current-control system, Alternating. J. Kubler. 1,766,653; June 24.
- Current, Controlling the frequency of an alternating. R. V. L. Hartley. 1,743,670; Jan. 14.
- Current, Controlling the value of an electric. S. Ruttenberg. 1,772,193; Aug. 5.
- Current converter, Alternating. N. M. Hopkins. 1,747,937; Feb. 18.
- Current corrector for cable signals, Earth. G. H. Ridge. 1,747,084; Feb. 11.
- Current, Device for rectifying alternating. P. W. Dobben. 1,772,133; Aug. 5.
- Current device, Space. W. J. Brown. 1,750,386; Mar. 11.
- Current distribution, Apparatus for electric. G. R. Brown. 1,742,896; Jan. 7.
- Current-distribution system. L. M. Goldsmith. 1,778,845; Oct. 7.
- Current electromagnet, Alternating. H. N. Packard. 1,752,023; Mar. 25.
- Current generator, Alternating. T. S. Bindschedler and W. A. Wood. 1,786,888; Dec. 30.
- Current generation, Alternating. I. Langmuir. 1,778,457; Oct. 14.
- Current-generating apparatus, Electric. H. Weichsel. 1,761,855; June 3.
- Current impulses, Indicating. O. Lohaus. 1,786,666; Dec. 30.
- Current interrupter, Alternating-power. R. A. Millikan and R. W. Sorensen. 1,784,303; Dec. 9.
- Current-interrupting and arc-extinguishing means. E. O. Schweitzer. 1,761,091; June 3.
- Current into single-phase alternating current, Transforming polyphase alternating. T. Roskopf. 1,769,073; July 1.
- Current-limiting device. J. Slisz. 1,770,090; July 8.
- Current machines, Apparatus for exciting alternating. F. W. Gay. 1,770,073; July 8.
- Current-limiting means. F. W. Gay. 1,755,111; Apr. 15.
- Current-measuring device. A. H. Hotopp. 1,757,193; May 6.
- Current, Modulation of static frequency changer. M. Osnos. 1,778,724; Oct. 21.
- Current motor. W. H. Crofton. 1,745,356; Feb. 4.
- Current motor. P. B. McChesney. 1,767,995; June 24.
- Current motor. A. J. Zvirblis. 1,757,894; May 6.
- Current motor, Alternating. E. L. Barrett. 1,770,905; July 22.
- Current motor, Alternating. A. P. Myer. 1,750,240; Mar. 11.
- Current motor, Alternating. H. Weichsel. Re17,742; July 22.
- Current motor mechanism, Slow-speed alternating. P. Mayer. 1,750,237; Mar. 11.
- Current networks by asynchronous generators, Feeding alternating. K. Baudisch and G. Scharowsky. 1,746,333; Feb. 11.
- Current pressure-splitting device, Direct. A. Della Riccia. 1,759,759; May 20.
- Current rectifier, Alternating. H. G. André. 1,780,056; Oct. 28.
- Current rectifier, Alternating. R. C. Jacquelet. 1,767,367; June 24.

- Current rectifier and voltage regulator. T. E. Foulke. 1,772,562; Aug. 12.
- Current rectifier, Electric. S. Ruben. 1,751,360-3; Mar. 18.
- Current rectifier, Electric. S. Ruben. 1,779,188; Oct. 21.
- Current rectifier, Electrical alternating. E. Presser. 1,778,645; Oct. 14.
- Current, Rectifying alternating. E. E. Spitzer. 1,783,059; Nov. 25.
- Current-rectifying apparatus. C. B. Bartley and V. H. Dake. 1,782,228; Nov. 18.
- Current-rectifying device. W. O. Snelling. 1,742,324; Jan. 7.
- Current-rectifying device. W. O. Snelling. 1,745,723; Feb. 4.
- Current-rectifying device. W. O. Snelling. 1,766,462; June 24.
- Current-rectifying device. W. O. Snelling. 1,766,464; June 24.
- Current-rectifying device. W. O. Snelling. 1,766,467; June 24.
- Current-rectifying element, Alternating. S. J. M. Allen. 1,746,511; Feb. 11.
- Current-rectifying system. W. H. Grimditch. 1,759,745; May 20.
- Current rectifiers, Manufacturing alternating. E. Presser. 1,743,160; Jan. 14.
- Current regulator for electric lamps. C. L. Weichelt. 1,750,740; Mar. 18.
- Current reversing switch, Rotary. F. F. Criteser. 1,765,132; June 17.
- Current supplied to audions, Eliminating effect of variations in. G. B. Crouse. 1,759,545; May 20.
- Current-supply device. J. W. Fitz Gerald. 1,774,261; Aug. 26.
- Current supply for vacuum tubes, Plate. H. Benioff. 1,749,660; Mar. 4.
- Current system, Alternating. N. von Korshenewsky. 1,751,961; Mar. 25.
- Current, System for generation of polyphase. C. W. Hough. 1,763,309; June 10.
- Current-tap fitting. M. Propp. 1,751,842; Mar. 25.
- Current-transfer mechanism. L. M. Goldsmith. 1,777,844; Oct. 7.
- Current transformer. F. J. Fischer. 1,778,253; Oct. 14.
- Current transformer, Alternating. J. J. Frank. 1,745,159; Jan. 28.
- Current-transforming means, Electric. H. S. Petch. 1,774,944; Sept. 2.
- Current, Unilateral conductor for rectifying alternating. H. G. André. 1,782,129; Nov. 18.
- Currents, Apparatus for transmitting coded. L. V. Lewis. 1,774,754; Sept. 2.
- Currents, Controlling alternating. A. D. Eitzen. 1,752,944; Apr. 1.
- Currents, Distribution system for alternating. G. E. Palmer. 1,765,696; June 24.
- Currents, Eliminating disturbing. W. Doebke. 1,770,333; July 8.
- Currents in audion amplifiers, Reducing retroactive. S. Ballantine. 1,747,045; Feb. 11.
- Currents, Indicating device for high-frequency. A. Nyman. 1,750,326; Mar. 11.
- Currents, Method and apparatus for controlling electric. J. E. Lilienfeld. 1,745,175; Jan. 28.
- Currents of audible frequencies, Amplifying electrical. W. V. B. Roberts. 1,759,631; May 20.
- Currents, Producing alternating. I. Langmuir. 1,778,456; Oct. 14.
- Currents, Rectifying alternating. F. Schröter. 1,749,611; Mar. 4.
- Curtain-adjusting means for automobiles. C. M. Bergman. 1,777,545; Oct. 7.
- Curtain and portière rod. J. H. Boye. Des. 80,673; Mar. 11.
- Curtain and shade guard. H. W. and M. Lupton. 1,746,269; Feb. 11.
- Curtain-attaching means. H. Rumpf and I. Rumpf. 1,742,561; Jan. 7.
- Curtain attachment. F. Tallafarro. 1,753,909; Apr. 8.
- Curtain, Automobile. C. P. Weaver. 1,180,257; Nov. 4.
- Curtain batten. J. F. Levan. 1,765,595; June 24.
- Curtain confiner. C. Rogers. 1,750,816; Mar. 18.
- Curtain, Door. C. W. Linn, C. G. Bigelow, and H. O. Raiche. 1,753,795; Apr. 8.
- Curtain drier and stretcher. C. L. Roosevelt. 1,753,025; Apr. 1.
- Curtain drops, Operating means for. V. H. Volland. 1,747,916; Feb. 18.
- Curtain fixture. J. H. Boye. 1,786,052; Dec. 23.
- Curtain fixture. D. Hoyt. 1,764,310; June 17.
- Curtain fixture. E. E. Whitmore. 1,755,232-3; Apr. 22.
- Curtain, Foldable. C. H. Nordell. 1,749,191; Mar. 4.
- Curtain for automobiles, Adjustable. G. Harrold. 1,750,888; Mar. 18.
- Curtain for automobiles, Antiglare roller. R. Stresau. 1,774,112; Aug. 26.
- Curtain for mines, Ventilating. A. J. Lockhart. 1,778,979; Oct. 21.
- Curtain for motor vehicles. J. Holan. 1,767,071; June 24.
- Curtain for railroad-car windows. R. F. Golden. 1,780,913; Nov. 11.
- Curtain, Locomotive-cab. H. M. Gray. 1,762,576; June 10.
- Curtain-operating device for automobiles, Rear. G. S. Green. 1,772,892; Aug. 12.
- Curtain operating device, Rear. N. V. Kreger. 1,781,646; Nov. 11.
- Curtain-operating means. W. L. Dodge. 1,758,034; May 13.
- Curtain-operating mechanism. W. Rasmussen. 1,774,902; Sept. 2.
- Curtain-operator device, Rear. G. J. Wright. 1,749,621; Mar. 4.
- Curtain operator, Motor-vehicle rear. E. E. Hall. 1,755,734; Apr. 22.
- Curtain-operating mechanism for automobiles. E. Bollinger. 1,746,458; Feb. 11.
- Curtain or drop, Stage. F. E. Weidhaas. 1,756,043; Apr. 29.
- Curtain-pole end piece. W. C. Astrup. Des. 80,994-5; Apr. 22.
- Curtain, Porch. G. A. Phinn. 1,786,084; Dec. 23.
- Curtain protector. P. C. Zwinger. 1,751,504; Mar. 25.
- Curtain-retaining device. H. Rodstein and I. Nathanson. 1,784,496; Dec. 9.
- Curtain ring. J. H. Boye. 1,758,685; May 13.
- Curtain rod. M. J. Brunner. 1,764,037; June 17.
- Curtain rod. S. E. Settlemore. 1,773,796; Aug. 26.
- Curtain rod, Adjustable. M. E. Runser. 1,773,645; Aug. 19.
- Curtain-rod and window-shade mounting, Combined. J. S. Moss. 1,779,612; Oct. 28.
- Curtain rod or similar article. J. H. Boye. Des. 80,997; Apr. 22.
- Curtain rod or similar article. J. H. Boye. Des. 81,370; June 17.
- Curtain rod or similar article. J. H. Boye. Des. 81,621; July 22.
- Curtain rod or similar article. J. H. Boye. Des. 82,311-12; Oct. 21.
- Curtain-rod structure. G. W. Dover. 1,786,645; Dec. 30.
- Curtain roller. E. G. Simpson. 1,783,002; Nov. 25.
- Curtain-roller construction. T. W. Holt and J. F. Levan. 1,775,364; Sept. 9.
- Curtain-roller mounting. Releasable. H. H. Schroyer. 1,748,734; Feb. 25.
- Curtain-roller-operating mechanism. A. R. Bellerose. 1,772,700; Aug. 12.
- Curtain roller, Sheet-metal. H. W. Hack and J. M. Layng. 1,756,591; Apr. 29.
- Curtain spreader. C. W. Callahan. 1,746,143; Feb. 4.
- Curtain suspension and actuating means. R. C. Hodges. 1,746,256; Feb. 11.
- Curtain tie-back, Automatic. W. Occhiuzzo. 1,763,811; June 17.
- Curtain tie-back or similar article. J. Resto. Des. 82,178; Sept. 30.
- Curtain track. E. J. Vallen. 1,750,444-5; Mar. 11.
- Curtain, Waistband. O. K. Thomas and J. D. Malkin. 1,762,283; June 10.
- Curtains, Method and apparatus for draping. H. Dreyfuss. 1,764,396; June 17.
- Curtains of automobiles, Device for operating rear. W. Brown. 1,767,046; June 24.
- Curtains, Producing waistband. O. K. Thomas and J. D. Malkin. 1,762,284; June 10.
- Curve cutter. V. V. Colby. 1,775,813; Sept. 16.
- Cushion: See—
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| Chair cushion. | Packing cushion. |
| Die cushion. | Pin cushion. |
| Firearm cushion. | Soft spring cushion. |
| Journal-box cushion. | Spring-plank cushion. |
| Metatarsal cushion. | Window cushion. |
- Cushion. R. Claus. 1,742,186; Jan. 7.
- Cushion. L. S. Patterson. Des. 81,069; Apr. 29.
- Cushion and mat, Bathtub. M. Fishman. 1,759,348; May 20.
- Cushion-back dipper. W. J. Mullally. 1,766,255; June 24.
- Cushion cap for tools. J. B. Crofoot. Re17,684; May 27.
- Cushion connection for vehicle construction. A. H. Leipert. 1,783,801; Dec. 2.
- Cushion, foot muff, and carrier or receptacle, Combined seat. B. Rotherham. 1,776,983; Sept. 30.
- Cushion for an automobile, Adjustable arm. C. E. McKeag. 1,742,447; Jan. 7.
- Cushion for insulator pins and method of applying. K. A. Hawley. 1,778,154; Oct. 14.
- Cushion for sheet-metal presses. F. J. Rode. 1,757,737-8; May 6.
- Cushion for sheet-metal presses. F. J. Rode. 1,772,914; Aug. 12.
- Cushion for sheet-metal presses, Hydraulic. F. J. Rode. 1,777,130; Sept. 30.
- Cushion for side bearings. R. J. O'Brien. 1,762,887; June 10.
- Cushion head for spraying devices. J. A. Brooks. 1,770,764; July 15.
- Cushion, mattress, and the like, Pneumatic. R. W. Sampson. 1,777,477; Oct. 7.
- Cushion means for shoe shanks. W. J. Anding. 1,748,377; Feb. 25.
- Cushion step tread for automobiles. G. E. Whitlock. 1,785,755; Dec. 23.
- Cushion-tire bases, Bridging ring for. H. L. Mueller. 1,786,957; Dec. 30.
- Cushion tread for footwear. C. Roberts. 1,783,980; Dec. 9.
- Cushion wheel. A. A. Korn. 1,750,408; Mar. 11.

- Cushioned tip. W. A. Vollmer. 1,767,194; June 24.
 Cushioning and arch-supporting device. M. C. Messler. 1,778,683; Oct. 14.
 Cushioning and shock-absorbing device, Vehicle. W. C. Broadwell. 1,754,258; Apr. 15.
 Cushioning device for doors and windows. J. Milhander. 1,750,781; Mar. 18.
 Cushioning device for drawing presses. F. J. Rode. 1,773,439; Aug. 19.
 Cushioning device for marine propulsion. A. F. Masury. 1,755,549; Apr. 22.
 Cushioning device for presses. F. J. Rode. 1,774,614; Sept. 2.
 Cushioning device for presses. F. J. Rode. 1,776,271; Sept. 23.
 Cushioning device for railroad rails. J. R. O'Brien. 1,772,875; Aug. 12.
 Cushioning device for rock drills. C. C. Hansen. 1,777,305; Oct. 7.
 Cushioning device for sheet-metal presses. F. J. Rode. 1,778,229; Oct. 14.
 Cushioning means for egg cartons. J. E. Walsh. 1,763,570; June 10.
 Cushioning means for the fallers of gill boxes and intersecting frames. C. Gégauff. 1,763,926; June 17.
 Cushioning strip for sliding window panes. C. F. Lockman. 1,770,539; July 15.
 Cushioning structure. P. C. Bednarek. 1,748,666; Feb. 25.
 Cushions, Making carpet. P. R. Bettison. 1,742,338; Jan. 7.
 Cuspidor, Fountain. C. W. Moore. 1,754,757; Apr. 15.
 Cut-off, Automatic. S. E. Murphy and C. L. Gallian. 1,759,798; May 20.
 Cut-off, Automatic gas. N. J. Landar. 1,748,022; Feb. 18.
 Cut-off-controlling apparatus, Automatic gravity. M. C. Bright. 1,781,315; Nov. 11.
 Cut-off device for extruding machines. W. C. MacFarlane. 1,768,365; June 24.
 Cut-off for cigarette machines. R. J. A. Chandler. 1,786,519; Dec. 30.
 Cut-off for meters. W. L. Marden. 1,772,260; Aug. 5.
 Cut-off, Gas. H. J. Murray. 1,774,395; Aug. 26.
 Cut-off, Low-pressure. C. L. Bryant. 1,756,340; Apr. 29.
 Cut-off machine. E. J. Hornberger. 1,772,148; Aug. 5.
 Cut-off mechanism for electric stills, Automatic. A. M. Berg. 1,758,922; May 20.
 Cut-off mechanism for straw machines. S. T. Maltby. 1,777,802; Oct. 7.
 Cut-off, Water. W. H. Bentley. 1,768,305; June 24.
 Cut-out. M. J. Sandin. Re17,840; Oct. 21.
 Cut-out, Electrical. G. Klupfel and G. F. Lincks. 1,780,133; Oct. 28.
 Cut-out for heaters, Safety. H. J. Platt. 1,773,198; Aug. 19.
 Cut-out, Faulty-line-section. F. J. Nankivell. 1,743,795; Jan. 14.
 Cut-out for internal-combustion motors, Ignition. G. A. Gillen. 1,745,754; Feb. 4.
 Cut-out, Primary. N. J. Conrad. Re17,612; Mar. 4.
 Cut-outs, Secondary contact spring for plug. E. L. Hawley. 1,787,109; Dec. 30.
 Cutter: See—
 Adjustable cutter. Glass-gob cutter.
 Bead cutter. Grass cutter.
 Bean cutter. Groat cutter.
 Blade cutter. Gutter cutter.
 Bolt cutter. Heel cutter.
 Butter cutter. Hole cutter.
 Cable cutter. Lens cutter.
 Cane cutter. Linoleum cutter.
 Casing cutter. Milling cutter.
 Chaff cutter. Noodle cutter.
 Chain cutter. Onion cutter.
 Cheese cutter. Paper cutter.
 Cigar cutter. Pipe cutter.
 Circuit cutter. Potato cutter.
 Cooky and doughnut cutter. Rotary cutter.
 Cornstalk cutter. Sand cutter.
 Cream cutter. Seam cutter.
 Curve cutter. Sheet-metal cutter.
 Dado cutter. Slitting cutter.
 Egg cutter. Slot cutter.
 Endless cutter. Stalk cutter.
 Ensilage cutter. Tape cutter.
 Foil cutter. Thread cutter.
 Folder cutter. Tube cutter.
 Food cutter. Twine cutter.
 Fuse cutter. Vegetable cutter.
 Gasket cutter. Weed cutter.
 Glass cutter. Wire cutter.
 Cutter. E. Cheshire. 1,755,468; Apr. 22.
 Cutter. J. B. Galbraith. 1,763,299; June 10.
 Cutter. W. S. Jones. 1,779,628; Oct. 28.
 Cutter. J. O. Liffander. 1,772,905; Aug. 12.
 Cutter. A. E. Linke. 1,773,048; Aug. 12.
 Cutter. O. M. Malsch. 1,753,935; Apr. 8.
 Cutter. S. G. Martin. 1,783,023; Nov. 25.
 Cutter and grinder, Ensilage. C. W. Keith. 1,759,905; May 27.
 Cutter and lifter, Dandelion. W. J. La Tourrette. 1,751,481; Mar. 25.
 Cutter and planter, Seed-potato. E. O. Braaten and O. R. Harmer. 1,751,574; Mar. 25.
 Cutter and shaper head. O. A. Miller. 1,745,701; Feb. 4.
 Cutter bar for coal-cutting machines and the like. W. C. Black. 1,756,450; Apr. 29.
 Cutter bit and carrier therefor. N. D. Levin. 1,782,172; Nov. 18.
 Cutter bits, System and apparatus for making. S. T. Nelson. 1,774,993; Sept. 2.
 Cutter-carrying head for multiple lathes. L. E. Cobb. 1,776,180; Sept. 16.
 Cutter for liners of milking-machine teat cups. J. L. Hulbert. 1,780,016; Oct. 28.
 Cutter for rotary bits. J. A. Zublin. 1,758,875; May 13.
 Cutter for sugar cane and the like, Rotary. A. M. Simpson. 1,780,247; Nov. 4.
 Cutter head. W. G. Bean and U. M. Cool. 1,754,930; Apr. 15.
 Cutter head. A. A. Clarke. 1,780,170; Nov. 4.
 Cutter head. A. B. Fowler. 1,753,855; Apr. 8.
 Cutter head. L. C. Johnston. 1,750,474; Mar. 11.
 Cutter head. E. S. and H. L. Shimer. 1,780,846; Nov. 4.
 Cutter head for precision boring machines, Self-centering. H. Jacobsen. 1,777,265; Sept. 30.
 Cutter-head quick release. W. D. Johnson. 1,763,928; June 17.
 Cutter mounting, Roller-. W. L. Childs. 1,779,587; Oct. 28.
 Cutter or bean puller, Vine. C. H. Fowler. 1,759,741; May 20.
 Cutter or trimmer, Paper. F. E. Kuechler. 1,779,134; Oct. 21.
 Cutter relief mechanism for machine tools. W. E. Sykes. 1,750,028; Mar. 11.
 Cutter spindle. F. S. McQueston. 1,782,243; Nov. 18.
 Cutter underreamer, Renewable. J. Grant and S. L. Campbell. 1,743,769; Jan. 14.
 Cutters and the like, Feeding device for ensilage. F. J. Bullock. 1,758,557; May 13.
 Cutters, Device for removing stock from bias. W. C. Stevens. 1,745,127; Jan. 28.
 Cutters, Forming teeth on. H. W. Fletcher. 1,769,636; July 1.
 Cutters, Making helical. W. H. Wheatley. 1,780,805; Nov. 4.
 Cutting and flanging machines, Attachment for. O. R. Olson. 1,775,864; Sept. 16.
 Cutting and grinding mechanism. W. and E. Richards. 1,751,174; Mar. 18.
 Cutting and grinding mill. S. R. Gately. 1,767,921; June 24.
 Cutting and mixing machine. C. Offenhauser. 1,750,645; Mar. 18.
 Cutting and pasting device, Tape. E. F. Watson and B. S. Swezey. 1,742,293; Jan. 7.
 Cutting and perforating machine. R. M. Johnstone. 1,768,070; June 24.
 Cutting and welding apparatus. M. R. De Motte and R. C. Pierce. 1,762,260; June 10.
 Cutting and wrapping machine. E. C. Hegg. 1,755,061; Apr. 15.
 Cutting attachment. S. E. Sanderson. 1,748,904; Feb. 25.
 Cutting board. G. A. Erickson. 1,743,763; Jan. 14.
 Cutting board. A. Kasper. 1,745,099; Jan. 28.
 Cutting clamp. G. D. Haines. 1,746,529; Feb. 11.
 Cutting board. L. Vielbig. 1,776,961; Sept. 30.
 Cutting compound. C. H. Marble. 1,777,803; Oct. 7.
 Cutting compounds and the like, Device for feeding. G. B. Arones. 1,763,290; June 10.
 Cutting device. E. J. Beattie. 1,771,764; July 29.
 Cutting device. J. Fossa. 1,759,842; May 27.
 Cutting device. M. B. Kassel. 1,782,901; Nov. 25.
 Cutting device. H. W. Sherman. 1,751,293; Mar. 18.
 Cutting device and tool therefor. E. J. Beattie. 1,781,564; Nov. 11.
 Cutting device for transversely cutting moving paper webs. E. Lichtenstein. 1,750,531; Mar. 11.
 Cutting implement. C. H. Humphries. 1,770,157; July 8.
 Cutting instrument, Adjustable. O. M. Bratrud. 1,755,535; Apr. 22.
 Cutting instrument, Self-sharpening. A. Ignatieff. 1,769,222; July 1.
 Cutting machine. W. Gillooly. 1,767,208; June 24.
 Cutting machine. O. E. Jacques. 1,786,346; Dec. 23.
 Cutting machine. C. B. Gray. 1,782,420; Nov. 25.
 Cutting machine. W. E. Kay. 1,780,680; Nov. 4.
 Cutting machine. W. E. Kay. 1,782,305; Nov. 18.
 Cutting machine. J. F. Lawson. 1,782,692; Nov. 25.
 Cutting machine. T. P. Little. 1,762,828; June 10.
 Cutting machine. J. J. Pondelicek. 1,781,703; Nov. 18.
 Cutting machine. R. L. Powell. 1,744,795; Jan. 28.
 Cutting machine. B. Rabinowitz. 1,745,504; Feb. 4.
 Cutting machine. W. C. Stewart. 1,772,471; Aug. 12.
 Cutting machine. C. M. Stoner. 1,769,888; July 1.
 Cutting machine. K. Wiemer. 1,743,299; Jan. 14.
 Cutting machine. A. P. Yiakounis. 1,747,410; Feb. 18.
 Cutting machine and the like, Coal-. W. C. Black. 1,785,574; Dec. 16.
 Cutting machine, Board-. C. Absmeier. 1,786,726; Dec. 30.
 Cutting machine, Bun-. J. A. Ost. 1,766,450; June 24.
 Cutting machine, Corn-. F. W. Douthitt. 1,744,954; Jan. 28.

- Cutting machine, Corner. G. W. Klaucke. 1,781,111; Nov. 11.
- Cutting machine, Fabric-. H. M. Brown. 1,743,059; Jan. 7.
- Cutting machine, Fish-. A. R. Rogers. 1,750,431; Mar. 11.
- Cutting machine, Fish-. A. R. Rogers. 1,786,632; Dec. 30.
- Cutting machine for globe construction. P. J. King. 1,782,237; Nov. 18.
- Cutting machine for pattern binding, Miter-. H. J., J. H., and A. W. Sutherland. 1,759,025; May 20.
- Cutting machine for wood gutters. J. H. Mason. 1,767,994; June 24.
- Cutting machine, Household combination. J. L. Jackman. 1,755,446; Apr. 22.
- Cutting machine or the like, Paper or cardboard. K. Stegmann. 1,745,958; Feb. 4.
- Cutting machine, Paper-. A. W. Warsen. 1,744,818; Jan. 28.
- Cutting machine, Pipe-. W. C. Bucknam. 1,775,667; Sept. 16.
- Cutting machine, Sheet-. R. F. Paup. 1,779,916; Oct. 28.
- Cutting machine, Sheet-. E. H. Trump. 1,765,184; June 17.
- Cutting machine, Sheet-glass-. W. H. Clelland. 1,766,427; June 24.
- Cutting machine, Shingle-. R. G. Moir. 1,775,651; Sept. 16.
- Cutting machine, Slab-. A. Savage. 1,772,818; Aug. 12.
- Cutting machine, Strip-. H. A. Denmire. 1,745,985; Feb. 4.
- Cutting machine, Thread-. A. C. Hirsch and A. R. Krause. 1,744,224; Jan. 21.
- Cutting machine, Tile-. O. Walter. 1,750,737; Mar. 18.
- Cutting machine, Web-. G. W. Swift, jr. 1,754,702; Apr. 15.
- Cutting meat. J. W. Vaughan. 1,747,461; Feb. 18.
- Cutting mechanism. W. E. Molins. 1,759,018; May 20.
- Cutting mechanism. A. Novick. 1,746,048; Feb. 4.
- Cutting mechanism. G. W. Swift, jr. 1,756,223; Apr. 29.
- Cutting mechanism for bookmaking machines, Sheet-. C. C. Howard. 1,773,457; Aug. 19.
- Cutting mechanism for mop-making machines. A. Van Veen. 1,763,836; June 17.
- Cutting, mixing, and attrition mill, Rotary. R. C. Hopkins. 1,764,020; June 17.
- Cutting or slicing device. C. G. Rentos. 1,748,997; Mar. 4.
- Cutting sections of piezo crystals. C. B. Sawyer. 1,764,088; June 17.
- Cutting strips of material. S. Cohn. 1,745,476; Feb. 4.
- Cutting set, Combination bread and fruit. J. R. Hackett. 1,774,551; Sept. 2.
- Cutting tar or other plastic materials, Method and apparatus for. N. E. Siegle. 1,746,744; Feb. 11.
- Cutting threads applicable to all horizontal lathes, Apparatus for. L. Auguste and R. des Moutis. 1,761,768; June 3.
- Cutting torch. G. C. Quelch. 1,771,511; July 29.
- Cyanamides of the alkaline-earth metals and magnesium, Preparation of. N. Caro, A. R. Frank, H. H. Franck, and H. Heimann. 1,745,350; Feb. 4.
- Cyanide pot. V. P. Rumely. 1,769,313; July 1.
- Cyanide slimes and apparatus for use in same, Filtering. C. Lintecum. 1,744,480; Jan. 21.
- Cyanides, Recovering. R. R. Bryan. 1,787,033; Dec. 30.
- Cyanogen chlorides, Making. J. P. Schmittnägell. 1,779,984; Oct. 28.
- Cyanogen compounds from gases, Recovering. J. C. Haun. 1,742,505; Jan. 7.
- Cylinder, Aero auxiliary. J. H. Wheeler. 1,782,753; Nov. 25.
- Cylinder, Air-cooled. C. A. Bauer and C. B. Gustafson. 1,763,082; June 10.
- Cylinder and control for lathe chucks and the like, Pneumatic engine. G. F. Hopkins. 1,785,349; Dec. 16.
- Cylinder and mechanism operated thereby. S. R. Tymstra. 1,761,600; June 3.
- Cylinder and piston. P. F. Gruver. 1,761,123; June 3.
- Cylinder, Brake. F. G. Craig. 1,776,250; Sept. 23.
- Cylinder, Brake. H. A. Wahlert. 1,782,589; Nov. 25.
- Cylinder cleanser, Press-. W. K. Mick. 1,744,913; Jan. 28.
- Cylinder combustion engine, Annular-. F. A. Bullington. 1,778,182; Oct. 14.
- Cylinder, Compressor. A. W. Keema. 1,770,273; July 8.
- Cylinder construction for engines. W. Daly. 1,747,622; Feb. 18.
- Cylinder construction for two-cycle internal-combustion engines. H. B. Greening and J. W. Galloway. 1,778,999; Oct. 21.
- Cylinder, Cutting. H. A. Cumfer. 1,766,244; June 24.
- Cylinder, Engine. W. Hefti. 1,780,388; Nov. 4.
- Cylinder, Engine. G. Pielstick. 1,780,138; Oct. 28.
- Cylinders for forming cartons, etc. F. W. Adsit. 1,777,285; Oct. 7.
- Cylinder for ice-cream freezers. H. C. Cover. 1,742,900; Jan. 7.
- Cylinder for intaglio printing, Form. A. Egli. 1,774,256; Aug. 26.
- Cylinder for internal-combustion engines. W. Schenker. 1,762,425; June 10.
- Cylinder for laundry machines. J. Jorgenson. 1,764,265; June 17.
- Cylinder for paper-making machines and the like, Suction. R. B. Heys. 1,742,991; Jan. 7.
- Cylinder for printing presses, Plate. H. M. Barber. 1,763,124; June 10.
- Cylinder for spinning frames, Driving. F. E. Banfield, jr., and F. O. Hoagland. 1,766,585; June 24.
- Cylinder-forming machine. W. R. Myers and B. O. Opitz. 1,752,995; Apr. 1.
- Cylinder head. A. Boor. 1,748,105; Feb. 25.
- Cylinder head. O. C. Kreis. 1,743,276; Jan. 14.
- Cylinder-head combustion chamber. A. Taub. 1,757,399; May 6.
- Cylinder-head construction for internal-combustion engines. L. A. Gaw. 1,763,232; June 10.
- Cylinder head for gas engines. J. S. Newlon. 1,749,646; Mar. 4.
- Cylinder head for internal-combustion engines. J. Buchanan. 1,778,446; Oct. 14.
- Cylinder head for internal-combustion engines. F. and E. Carter. 1,770,732; July 15.
- Cylinder head for internal-combustion engines, Antidetonation. A. Moore. 1,754,643; Apr. 15.
- Cylinder head, Locomotive. E. C. Anderson. 1,743,908; Jan. 14.
- Cylinder heads, Casting. T. Pickering. 1,769,456; July 1.
- Cylinder-honing device. F. C. Moser. 1,781,856; Nov. 18.
- Cylinder, Jacquard-loom. C. A. Fisher. 1,773,305; Aug. 19.
- Cylinder lock. F. K. Heyer. 1,782,347; Nov. 18.
- Cylinder lock. J. Hines. 1,777,725; Oct. 7.
- Cylinder lock. R. G. M. Homolle. 1,784,444; Dec. 9.
- Cylinder lock. A. Lawrence. 1,785,634; Dec. 16.
- Cylinder locks to doors and furniture locks, Device for adjustably attaching. H. Münch. 1,766,081; June 24.
- Cylinder machine. Pneumatic. H. J. Reed and C. L. Spafford. 1,748,081; Feb. 25.
- Cylinder, Motor. F. Neale. 1,761,309; June 3.
- Cylinder of internal-combustion engine. F. H. Royce, A. J. Rowledge, and A. G. Elliott. 1,782,317; Nov. 18.
- Cylinder or bushing and recessing the same, Hollow. G. H. Clark. 1,751,906; Mar. 25.
- Cylinder or tube, Nautical. A. Toscano. 1,782,155; Nov. 18.
- Cylinder-position locator. J. G. Giampaoli. 1,772,829; Aug. 12.
- Cylinder, Printing-press. G. L. Fulk. 1,759,192; May 20.
- Cylinder, Pump. F. D. Stanley. 1,768,799; July 1.
- Cylinder-reboring machine. E. E. Davis and C. C. Koln. 1,745,207; Jan. 28.
- Cylinder structure. T. E. Herrick, jr. 1,781,582; Nov. 11.
- Cylinder structure, Locomotive-. L. W. Hance. 1,770,776; July 15.
- Cylinder, Washing-machine. A. F. Paris. 1,762,665; June 10.
- Cylinder, Washing-machine. J. H. Skitt. 1,777,774; Oct. 7.
- Cylinders and the like, Method of and apparatus for forge welding. J. Barrow. 1,743,307; Jan. 14.
- Cylinders, Apparatus for driving hollow. F. H. Hunt. 1,787,000; Dec. 30.
- Cylinders, Cutting cushion for folding. H. A. W. Wood. Re17,892; Dec. 2.
- Cylinders, Cutting cushion for folding. H. A. W. Wood. 1,766,807; June 24.
- Cylinders, Ejector for cutting. J. P. Feeney. 1,784,487; Dec. 9.
- Cylinders, End assembly for drum scale. A. W. Ferguson. 1,751,985; Mar. 25.
- Cylinders, Method of and apparatus for testing. J. J. Crowe. 1,783,412; Dec. 2.
- Cylinders, Photographic method of producing intaglio printing. 1,777,133; Sept. 30.
- Cylinders, Process and tool for surfacing blanket. A. E. Cilley. 1,762,940; Apr. 1.
- Cylindrical articles, Drying. C. T. Draper. 1,773,525; Aug. 19.
- Cylindrical articles from flat blanks, Making. W. H. Klocke. 1,760,558; May 27.
- Cylindrical surfaces, Device for finishing. G. R. Maupin. 1,748,959; Mar. 4.
- Cymene, Producing. I. W. Humphrey. 1,746,532; Feb. 11.
- Cystoscope, Small-sized. R. H. Wappler. 1,767,025; June 24.
- Cyto-vaccine of tubercle bacilli. J. S. Kominz. 1,766,131; June 24.
- Dado cutter. J. Garthe. 1,763,463; June 10.
- Dadoing and mortising attachment for portable power tools. G. H. Hoffman and G. E. Olson. 1,772,833; Aug. 12.
- Dam. E. Probst and F. Tölke. 1,742,369; Jan. 7.
- Dam for lead-sheath cables, Moistureproof and gas-tight. L. A. Reed. 1,774,292; Aug. 26.
- Dampener, Shimmying. C. H. Taylor. 1,783,348; Dec. 2.
- Damper. W. S. Miller. 1,749,498; Mar. 4.
- Damper and latching mechanism, Flue. G. E. Lauer. 1,785,385; Dec. 16.
- Damper and soot eliminator for heaters, Check-draft. D. B. Tolley. 1,764,370; June 17.
- Damper, Automatic. H. C. Baumgarten. 1,767,869; June 24.
- Damper, Automatic. H. E. Lake. 1,770,339; July 8.
- Damper, Automatic pipe. R. L. Meyers. 1,784,608; Dec. 9.

- Damper, Car-suspension-spring. F. W. Clark. 1,758,596; May 13.
- Damper, Check. H. J. Brown. 1,775,065; Sept. 2.
- Damper control. L. D. Harnett. 1,777,848; Oct. 7.
- Damper control. F. E. Maki. 1,777,854; Oct. 7.
- Damper control. R. T. Williams. 1,744,189; Jan. 21.
- Damper control for house heating systems. J. R. Williams. 1,750,960; Nov. 11.
- Damper for heating and ventilating units, Inlet and recirculating. M. J. Callahan. 1,747,158; Feb. 18.
- Damper for vehicle suspension springs, Automatic. W. McNeil. 1,761,485; June 3.
- Damper for warm-air furnaces. R. S. McNaney. 1,751,830; Mar. 25.
- Damper, Mechanical. G. D. Contri. 1,774,788; Sept. 2.
- Damper, Vibration. W. A. Nelson. 1,778,641; Oct. 14.
- Dampers, Attachment for. E. Van Noorden. 1,744,181; Jan. 21.
- Damping apparatus for the prevention of noise, flames, and recoil in firearms of the automatic type. Z. Wilman. 1,763,287; June 10.
- Damping means, Motion. H. P. Hollnagel. 1,743,775-6; Jan. 14.
- Damping or absorbing device for firearms for the prevention of sounds, flames, and recoil. Z. Wilman. 1,763,286; June 10.
- Dandy roll. W. K. Trotman. 1,752,311; Apr. 1.
- Darby, Plasterer's. F. Pacini. 1,769,855; July 1.
- Dashpot. E. Kaun. 1,775,349; Sept. 9.
- Date indicator, Perpetual. K. Kluge and W. Berthold. 1,755,696; Apr. 22.
- Davenport and bed, Combination. J. J. Mattscheck. 1,747,018; Feb. 11.
- Davenport, Bed. C. W. Meves. 1,760,161; May 27.
- Davenport-corner construction. W. O. McDaniel. 1,746,087; Feb. 4.
- Davenport, Folding. W. J. Duvall. 1,775,672; Sept. 16.
- Davenport or like article. O. A. Anderson. Des. 80,769; Mar. 25.
- Davenport or like article. O. A. Anderson. Des. 80,874; Apr. 8.
- Davenport or like article. W. F. Christiansen. Des. 80,675; Mar. 11.
- Davenport or like article. W. F. Christiansen. Des. 80,877; Apr. 8.
- Davenport or similar article. F. Havel. Des. 81,095; May 6.
- Davit, Ship's. R. B. Steward. 1,763,908; June 17.
- Davit, Ship's. H. G. Taylor. 1,776,959; Sept. 30.
- Dead-center device. J. H. Towers. 1,753,485; Apr. 8.
- Deaerator. S. Brown. 1,750,035; Mar. 11.
- Decapper for bottles. C. C. Crosby. 1,756,730; Apr. 29.
- Decarbonizer for internal-combustion engines. T. J. Malo. 1,772,011; Aug. 5.
- Deceleration indicator. W. H. Washburne. 1,779,685; Oct. 28.
- Deck, Floating. A. M. Griffin. 1,777,560; Oct. 7.
- Deck, Floating. A. M. Griffin. 1,783,118; Nov. 25.
- Deck house for vessels. E. H. Ewertz and J. T. Dalcher. 1,777,879; Oct. 7.
- Deck tank, Cellular-seal floating. R. D. George. 1,775,758; Sept. 16.
- Decking device. A. Copony. 1,761,103; June 3.
- Decking device for freight cars. A. Copony. 1,786,735-6; Dec. 30.
- Decking structure. C. L. Snyder. 1,774,297; Aug. 26.
- Deckle. C. Lowe. 1,746,434; Feb. 11.
- Deckle for paper-making machines. J. W. Harris. 1,764,260; June 17.
- Deckling and scoring machine. O. A. Jouret. 1,756,157; Apr. 29.
- Deckling machine. W. J. Rivard. 1,761,051; June 3.
- Decolorizing and color stabilizing hydrocarbon oil. V. Voorhees. 1,747,806; Feb. 18.
- Decolorizing fatty substances with adsorbents. P. W. Prutzman. 1,745,952; Feb. 4.
- Decorating. D. Fleetwood. 1,761,715; June 3.
- Decorating material. W. G. Jopson. 1,750,844; Mar. 18.
- Decoration and sign, Translucent. L. Kathe. 1,765,981; June 24.
- Decoration, Table. R. G. Cowan. 1,774,358; Aug. 26.
- Decorative article. S. Feiler. 1,745,365; Feb. 4.
- Decorative designs in relief, Casting. G. Korompay. 1,747,249; Feb. 18.
- Decorative device. J. Ridges. 1,765,940; June 24.
- Decorative fabric. A. L. Courter. Des. 82,728-32; Dec. 9.
- Decorticating and depulping machine. K. Erb. 1,782,918; Nov. 25.
- Decorticating machine. J. Heller. 1,766,513; June 24.
- Decoy duck. W. Robinson. 1,785,788; Dec. 23.
- Decoy of collapsible type. C. D. Emoff. 1,746,640; Feb. 11.
- Decoy, Predatory-bird. A. E. Kemmerling. 1,760,864; May 27.
- Deemulsifier. F. H. Wagner. 1,781,257; Nov. 11.
- Deflating machine. W. H. Campbell. 1,763,578; June 10.
- Deflecting machine. W. E. Sharp, G. F. Sandstrom, and G. H. Ridlon. 1,753,250; Apr. 8.
- Deflecting system. J. W. Legg. 1,750,275; Mar. 11.
- Deflection of a conical pencil of imaging rays, Device for partial. G. Hansen. 1,787,269; Dec. 30.
- Deflector. L. Battermann. 1,766,241; June 24.
- Deflector. J. L. Finch. 1,766,249; June 24.
- Deflector for motor-vehicle windows, Wind and rain. J. R. Tavior. 1,768,300; June 24.
- Deflector, Moving. A. Olson and W. Holmes. 1,747,384; Feb. 18.
- Deflector, Paper. L. R. Tufts and A. Olson. 1,784,854; Dec. 16.
- Deflector, Sheet. L. R. Tufts and A. Olson. 1,784,855; Dec. 16.
- Deformable chair. M. Fujita. 1,780,468; Nov. 4.
- Dehairing hogs, Apparatus for. J. W. Kohlhepp. 1,758,048; May 13.
- Dehairing machine. J. W. Kohlhepp. 1,754,562; Apr. 15.
- Dehydrant for electric insulators and contact points and restoring normal electric conditions. G. S. Lewin and C. A. Logue. 1,766,714; June 24.
- Dehydrating apparatus and method. S. L. Ames and H. Laughlin. 1,770,120; July 8.
- Dehydrating materials. J. F. Wait. 1,749,455; Mar. 4.
- Dehydration of substances suspended in water. R. Salwén and J. Ohn. 1,768,215; June 24.
- Dehydration. Reducing temperature by. W. L. Fleisher. 1,749,763; Mar. 11.
- Dehydrator. C. Dunning. 1,775,036; Sept. 2.
- Dehydrator having horizontal revolving electrodes. J. T. Worthington. 1,783,595; Dec. 2.
- Delivering apparatus for liquid soap. W. Weinberg. 1,762,901; June 10.
- Delivery apparatus. C. J. Paulson and M. L. Weiss. 1,747,387; Feb. 18.
- Delivery apparatus for confectionery machines. A. L. Bausman. 1,761,064; June 3.
- Delivery device for presses. F. S. English. 1,768,676; July 1.
- Delivery device, Liquid. R. S. Hunicke. 1,748,985; Mar. 4.
- Delivery fan. H. A. W. Wood. 1,756,616; Apr. 29.
- Delivery light, Train-order. F. C. Shumaker. 1,778,373; Oct. 14.
- Delivery mechanism, Cap. J. Nueske, jr. 1,748,076; Feb. 25.
- Delivery mechanism for newspaper-stuffing machines. S. Halvorsen. 1,755,150; Apr. 15.
- Delivery mechanism for newspaper stuffing or similar machines. S. Halvorsen. 1,755,149; Apr. 15.
- Delivery mechanism for signature-stitching machines. F. J. Greene. 1,784,590; Dec. 9.
- Demand meter. F. S. Marcellus. 1,781,588; Nov. 11.
- Demand meter, Maximum. J. Harris. 1,762,226; June 10.
- Demand meter, Pilot-controlled. E. S. Rush. 1,745,059; Jan. 28.
- Demodulation receiver, Double. B. Washington. 1,774,493; Aug. 26.
- Demonstration device. C. Gant. 1,755,952; Apr. 22.
- Demountable structure. L. M. Parker. 1,784,107; Dec. 9.
- Demountable supporting means for signal-switch mechanism. W. Carlson. 1,742,754; Jan. 7.
- Dental anchoring method and device. H. Boatner. 1,743,910; Jan. 14.
- Dental apparatus. D. W. McLean. 1,786,915; Dec. 30.
- Dental apparatus for eliminating wax from molds. F. S. Meyer. 1,776,267; Sept. 23.
- Dental attachment for removable bridgework. E. H. Ecker. 1,764,781; June 17.
- Dental blow torch. R. L. Hanan. 1,755,216; Apr. 22.
- Dental bridge. C. G. Miller. 1,774,449; Aug. 26.
- Dental bridge, Semifixed. M. C. Lasky. 1,749,493; Mar. 4.
- Dental burr-cleaning apparatus, Hygienic. A. Rügamer. 1,781,956; Nov. 18.
- Dental casting machine. J. A. Phillips. 1,769,603; July 1.
- Dental cement. C. C. Vogt. 1,760,388; May 27.
- Dental correction, Device for encouraging. N. A. Bushong. 1,756,482; Apr. 29.
- Dental crown, Porcelain-veneer. A. B. Baumgarten. 1,772,027; Aug. 5.
- Dental crown remover. O. A. Flagstad and R. G. Lee. 1,756,245; Apr. 29.
- Dental device. G. M. Hollenback. 1,750,804; Mar. 18.
- Dental device. G. M. Hollenback. 1,772,083; Aug. 5.
- Dental handpiece. J. Gross and I. Hellman. 1,781,508; Nov. 11.
- Dental impression bite. H. A. Galasso. 1,778,293; Oct. 14.
- Dental impression instrument. J. M. Craigo. 1,764,244; June 17.
- Dental instrument. W. A. Kelsey. 1,783,654; Dec. 2.
- Dental instrument. T. K. McKenzie. 1,783,252; Dec. 2.
- Dental instrument for forming cervical margins. F. S. Meyer. 1,743,154; Jan. 14.
- Dental investment mixer. E. A. Nelson and C. E. Larson. 1,751,097; Mar. 18.
- Dental investments, Apparatus for treating. R. V. Williams. 1,756,325; Apr. 29.
- Dental lathe and vibrator, Combined. E. A. Nelson and C. E. Larson. 1,784,307; Dec. 9.
- Dental molding machines, Vibratory device for. A. C. Sloan. 1,752,266; Mar. 25.
- Dental molds, Agitator for. R. R. Jones. 1,757,803; May 6.
- Dental plate and constructing same. G. A. Smith. 1,754,058; Apr. 8.
- Dental purposes, Handpiece for. W. Pannwitz. 1,747,947; Feb. 18.
- Dental root-canal point. L. R. Siegel. 1,757,595; May 6.
- Dental stress breaker. C. J. Grove. 1,746,037; Feb. 4.
- Dental supplies, Package of. W. A. Weaver. 1,784,646; Dec. 9.

- Denture. K. G. Anderson. 1,761,902; June 3.
 Denture. C. E. Bradley. 1,750,619; Mar. 18.
 Denture attachment. I. Stern. 1,743,871; Jan. 14.
 Denture, Reinforced. J. P. Tetreault. 1,781,738; Nov. 18.
 Dentures, Adjustable attachment for. S. Richardson. 1,765,851; June 20.
 Dentures, Apparatus and method of making. E. D. Ralph. 1,753,965; Apr. 8.
 Dentures, Forming attachments for. S. Richardson. 1,761,312; June 3.
 Dentures, Making. C. H. Wardell, jr. 1,742,430; Jan. 7.
 Dentures, Manufacturing. A. Stroe. 1,774,907; Sept. 2.
 Dentures, Obtaining central occlusion in the construction of artificial. F. J. Mulcahy. 1,764,115; June 17.
 Deodorizer for incinerators. E. Breitwieser. 1,773,256; Aug. 19.
 Deoxidizing system. C. A. Styer. 1,745,875; Feb. 4.
 Dephlegmators, Temperature-control system for. J. Price. 1,743,568; Jan. 14.
 Depositor. H. D. Ayars. 1,751,384; Mar. 18.
 Depository. J. R. Johnston. 1,771,332; July 22.
 Depository device. S. P. Yeo. 1,760,462; May 27.
 Depth-indicating device, Liquid-. H. W. King. 1,766,129-30; June 24.
 Derailing frog. C. Bess. 1,780,372; Nov. 4.
 Derailing tubs, trucks, and the like, in the event of their attaining an excessive speed. C. O. Deacon. 1,749,803; Mar. 11.
 Derivatives of the pyrazolanthrone and preparing them. K. Wilke, K. Thiess, and O. Braunsdorf. 1,772,620; Aug. 12.
 Dermatological instrument. W. S. Crater. 1,765,366; June 24.
 Derrick. J. W. Brown. 1,784,572; Dec. 9.
 Derrick. A. B. Crosthwait. 1,770,845; July 15.
 Derrick. E. H. Morris. 1,770,654; July 15.
 Derrick construction. H. E. White. 1,772,822; Aug. 12.
 Derrick or tower construction. C. H. Besse. 1,776,345; Sept. 23.
 Derrick safety appliance. R. F. Tuck. 1,782,701; Nov. 25.
 Derrick, Tubular. J. J. Mitchell. 1,751,348; Mar. 18.
 Derricks, Reinforcing leg and clamp for angle-iron. J. P. Foukes. 1,760,691; May 27.
 Desensitizer and desensitizing light-sensitive photographic materials. B. Wendt. 1,753,911; Apr. 8.
 Desiccating apparatus. W. S. Bowen. 1,774,350; Aug. 26.
 Desiccating apparatus. J. O. B. Coulling and P. N. Rylander. 1,778,310; Oct. 14.
 Desiccating apparatus. A. H. Harvey. 1,745,168; Jan. 28.
 Designation device. E. C. Mueller, jr. 1,751,247; Mar. 18.
 Designs and articles for use therein, Producing. C. Maier and W. Swaysland. 1,778,397; Oct. 14.
 Designs on cakes and the like, Device for making. T. Barbera. 1,781,209; Nov. 11.
 Designs on the surface of articles made from leather or the like, Method of producing raised. M. E. Bendelari. 1,758,186; May 13.
 Designs, Process and apparatus for producing artistic. R. Brunner. 1,780,969; Nov. 11.
 Designs to cylinders, Applying. W. H. Banzett. 1,767,644; June 24.
 Designs to printing surfaces, Transferring. P. G. Robinson, T. S. Foweraker, H. H. Beasley, and T. Sargent. 1,776,326; Sept. 23.
 Desk. M. Carrington and J. H. Klinck. 1,786,823; Dec. 30.
 Desk. W. E. Gunn. Des. 82,558; Nov. 18.
 Desk. J. R. McCarger. Des. 82,534; Nov. 11.
 Desk. P. M. Wege. Des. 80,593; Feb. 25.
 Desk accessory, Sectional. W. I. Cubberley. 1,750,575; Mar. 11.
 Desk and table, Combined folding. M. B. King. 1,775,769; Sept. 16.
 Desk and telephone holder, Combination. J. Martin. 1,769,445; July 1.
 Desk and the like. O. C. S. Olsen. 1,770,546; July 15.
 Desk, Bookkeeper's. G. W. Schulz. 1,765,742; June 24.
 Desk, Card-record. E. Ohnstrand. 1,786,628; Dec. 30.
 Desk, Combination. R. Winship. 1,751,569; Mar. 25.
 Desk distributor set. W. I. Cubberley. 1,750,576; Mar. 11.
 Desk, Folding. J. Bulkowski. 1,775,156; Sept. 9.
 Desk, Folding. W. B. Fahnestock. 1,787,363; Dec. 30.
 Desk, Ledger. J. D. Dickinson. 1,764,612; June 17.
 Desk, Merchandise-display. B. W. Haverfield. Des. 80,441; Feb. 4.
 Desk, Office. C. E. Wheeler. 1,780,287; Nov. 4.
 Desk or similar article, Toy. J. Kivy. Des. 82,837; Dec. 16.
 Desk or the like. E. J. Pauli. Des. 81,364; June 10.
 Desk protector. H. L. Todd. Des. 81,032; Apr. 22.
 Desk, Resonant shadeless. E. J. Smith. 1,767,156; June 24.
 Desk set. W. F. Benson. 1,777,741; Oct. 7.
 Desk set. W. F. Benson. 1,779,028; Oct. 21.
 Desk set. W. F. Benson. 1,783,772; Dec. 2.
 Desk set, Cradle-type, Telephone. R. F. Stehlik. 1,751,255; Mar. 18.
 Desk set, Pen. L. J. Most. 1,758,199; May 13.
 Desk stand, Fountain-pen. J. A. Fremon and A. S. De Haven. 1,782,109; Nov. 18.
 Desk stand, Fountain-pen. W. A. Sheaffer and W. R. Cuthbert. 1,783,630; Dec. 2.
 Desk-stapling machine. F. Polzer. 1,773,823; Aug. 26.
 Desk table. E. D. Weldon. 1,759,178; May 20.
 Desk, table top, and counter edging. S. C. Awbrey. 1,768,731; July 1.
 Desk, Typewriter. B. E. Richardson. 1,778,510; Oct. 14.
 Desk, Typewriter. J. Rodenstein. 1,754,303; Apr. 15.
 Desks and the like, Top for. R. H. McLeod. 1,784,969; Dec. 16.
 Desks, Flap-supporting structure for. L. Van Sciver. 1,779,648; Oct. 28.
 Destructor, Refuse. A. E. W. James. 1,758,157; May 13.
 Desuperheater, Steam. P. O. Vandever. 1,774,114; Aug. 26.
 Detachable coupling, Quick-. G. W. De Loache. 1,744,367; Jan. 21.
 Detecting and salvaging device. G. Spacinski. 1,773,759; Aug. 26.
 Detecting grounds, Apparatus for. J. Kopeliowitsch and J. Stoecklin. 1,752,991; Apr. 1.
 Detecting slight vibration in a force, Method of and apparatus for. B. J. Babbitt. 1,746,627; Feb. 11.
 Detector: See—
 Ammonia-gas detector. Register detector.
 Check detector. Smoke detector.
 Gas detector. Temperature detector.
 Leak detector. Vacuum-tube detector.
 Radio program detector. Weft detector.
 Detector. C. W. Rice. 1,769,463; July 1.
 Detector. G. Sague. 1,769,039; July 1.
 Detector element. W. O. Snelling. 1,766,461; June 24.
 Detector for identifying electric conductors and testing for short circuits. A. P. Adam. 1,746,809; Feb. 11.
 Detector for misfiring. W. L. McLaughlin. 1,776,838; Sept. 30.
 Detergent. B. F. Carver. 1,767,345; June 24.
 Detergent and preparing same. A. H. Cowles. 1,745,844; Feb. 4.
 Detergent and producing the same. A. H. Cowles. 1,774,872; Sept. 2.
 Determining a constituent in a mixture of substances. H. Schmick. 1,758,088; May 13.
 Detonating toy. H. Morris. 1,759,756; May 20.
 Detonator. F. H. Bergeim. 1,744,693; Jan. 21.
 Detonator and process of making. C. A. Woodbury. 1,783,372; Dec. 2.
 Detonator, Delay-action. G. C. Bacon. 1,765,294; June 17.
 Developing apparatus. R. F. Allin. 1,745,655; Feb. 4.
 Developing apparatus. R. F. Allin. 1,757,950; May 13.
 Developing apparatus. A. Langsner. 1,757,672; May 6.
 Developing apparatus. A. Langsner. 1,758,326; May 13.
 Developing apparatus. A. Langsner. 1,758,611; May 13.
 Developing apparatus. A. Langsner. 1,759,483-4; May 20.
 Developing apparatus. A. Langsner. 1,761,304; June 3.
 Developing apparatus with tubular gas discharge. A. Langsner. 1,760,149; May 27.
 Developing, draining and drying frame, Photographic-film. C. L. Griffin. 1,747,770; Feb. 18.
 Developing rack. I. L. Cook. 1,747,930; Feb. 18.
 Device for applying oil or other liquid to thread. C. E. Coleman. 1,767,203; June 24.
 Device for ascertaining the energy spent during rowing. M. Stump and K. Reyher. 1,779,992; Oct. 28.
 Device for assisting hearing. D. Phipps. 1,763,103; June 10.
 Device for carrying heavy bodies on and releasing them from aircraft. A. E. Jones. 1,784,011; Dec. 9.
 Device for cleaning gill-box fallers. T. Bredbury. 1,762,853; June 10.
 Device for controlling the delivery of compressed air. T. McLaughlin and P. J. Stone. 1,773,593; Aug. 19.
 Device for converting a reciprocating or oscillating motion into rotary motion. P. A. S. Iversen. 1,774,888; Sept. 2.
 Device for converting electric oscillations into mechanical vibrations. R. Vermeulen, A. T. van Urk, and T. H. Hermans. 1,781,795; Nov. 18.
 Device for cutting sheet glass. P. Bredin. 1,774,225; Aug. 26.
 Device for delivering matches in match-making machines. H. Kugler. 1,777,696; Oct. 7.
 Device for detecting oxygen in hydrogen. G. W. Penney. 1,778,834; Oct. 21.
 Device for determining the progress of work. G. Reinicke. 1,776,842; Sept. 30.
 Device for equalizing stresses. I. Yassenoff. 1,765,749; June 24.
 Device for grinding valves or the like. A. Riegel. 1,767,700; June 24.
 Device for guiding flash molded strip material or the like into machines for operating thereon. E. D. Putt. 1,769,714; July 1.
 Device for handling loose materials. F. W. Vodoz. 1,765,511; June 24.
 Device for holding mufflers. H. S. Powell. 1,776,394; Sept. 23.
 Device for holding rolls of paper. E. E. Maston. Re17,843; Oct. 21.
 Device for holding vehicles. L. H. Heuer. 1,774,270; Aug. 26.
 Device for indicating the degree of swelling of materials. M. L. Mueller. 1,773,114; Aug. 19.
 Device for introduction, immersion, and aspersion of medicaments. E. Buchwald. 1,773,571; Aug. 19.
 Device for lifting invalids. F. Scheidegger. 1,760,443; May 27.

- Device for mechanically determining and indicating the degree of usage of a mechanism. D. Schatz. 1,780,603; Nov. 4.
- Device for operating upon fluidal matter. H. G. Lykken. 1,768,620; July 1.
- Device for positioning string handles on paper bags. C. G. Eaton. 1,762,857; June 10.
- Device for pressing articles. P. C. Christiansen. 1,772,707; Aug. 12.
- Device for preventing abrasion between drill pipes and surrounding well casings. W. T. Woods. 1,764,769; June 17.
- Device for preventing boiling over of milk. E. Fried. 1,782,417; Nov. 25.
- Device for preventing safe robberies. O. L. Beverly. 1,764,191; June 17.
- Device for preventing theft and unauthorized use of power vehicles. J. Croning. 1,772,747; Aug. 12.
- Device for prevention of fires in oil stills. A. F. Cornner and G. W. K. King. 1,775,847; Sept. 16.
- Device for producing and dispensing lather. F. P. Galipoli. 1,771,292; July 22.
- Device for producing slits, grooves, or the like in the surface of monolithic structures. A. C. Fischer. 1,769,631; July 1.
- Device for protection of goods displayed in show windows against theft. M. D. Schneyer and S. Cochran. 1,752,578; Apr. 1.
- Device for recording and indicating beater settings. G. S. Witham, sr. 1,776,306; Sept. 23.
- Device for recording sales transactions. J. E. Johnson. 1,769,028; July 1.
- Device for reducing the rate of fire of automatic firearms. G. Mascarucl. 1,771,132; July 22.
- Device for removing water from musical instruments of the horn type. F. G. Stewart. 1,775,788; Sept. 16.
- Device for replacing checker bricks. B. D. Brown. 1,767,832; June 24.
- Device for retaining the flue dust in blast furnaces. J. Stoecker. 1,742,733; Jan. 7.
- Device for separating liquids. C. W. Stratford. 1,777,535; Oct. 7.
- Device for sharpening safety-razor blades. P. M. Salerni. 1,772,617; Aug. 12.
- Device for shunting vehicles off a main line of track. A. Scheuchzer. 1,782,941; Nov. 25.
- Device for stirring frozen desserts. R. E. Maxwell. 1,760,654; May 27.
- Device for straightening automobile bodies and frames. E. Johnson. 1,773,187; Aug. 19.
- Device for supplying water to stone saws. A. Vates. 1,765,890; June 24.
- Device for testing relative frictional characteristics of materials. C. E. Carpenter. 1,772,415; Aug. 5.
- Device for the care of the teeth and mouth. E. Major. 1,769,747; July 1.
- Device for the travel of endless bands. G. Lebocey. 1,770,316; July 8.
- Device for transmitting intelligence. W. H. Conklin. 1,771,953; July 29.
- Device for transporting finely-divided materials. J. Crites. 1,772,244; Aug. 5.
- Device for treating the stomach with ultra-violet rays. M. S. Newman. 1,782,906; Nov. 25.
- Device having wear-resisting surface. L. J. Ollesheimer. 1,769,160; July 1.
- Device to insure the bursting of all kinds of bombs in whatever position of impact or fall. E. Manzolini, V. Capobianco, and F. Scarponi. 1,780,624; Nov. 4.
- Dewatering sand and gravel, Device for. E. P. Escher. 1,773,479; Aug. 19.
- Dextrose, Making. W. B. Newkirk. 1,750,939; Mar. 18.
- Dextrose, Manufacture of. W. B. Newkirk. 1,750,938; Mar. 18.
- Diacyl-3, 3'-diamino-4, 4'-dihydroxy-5, 5'-diiodoarsenobenzene, Synthesis of. A. D. Macallum. 1,782,432; Nov. 25.
- Diacydyl compounds and preparing the same, Aromatic. O. Wulff, R. Sedlmayr, and W. Eckert. 1,747,535; Feb. 18.
- Diagnostic instrument. C. E. H. Armbruster. 1,782,705; Nov. 25.
- Dial. H. Shapiro. 1,771,513; July 29.
- Dial and hands for a timepiece, Combined. T. T. Wynn. Des. 81,038; Apr. 22.
- Dial cleaner for automatic telephones. A. Bissiri. 1,743,312; Jan. 14.
- Dial control. O. H. Luther. 1,743,927; Jan. 14.
- Dial, Horological. J. Konigsberg. 1,776,001; Sept. 16.
- Dial illumination. J. J. Wharam. 1,757,493; May 6.
- Dial indicator. F. J. Pratt. 1,768,931; July 1.
- Dial-lighting device for automatic telephones. F. L. Peyton. 1,759,205; May 20.
- Dial mechanism. W. A. Ready. 1,751,658; Mar. 25.
- Dial of a timepiece or similar article. T. T. Wynn. Des. 81,040; Apr. 22.
- Dial or similar article, Watch. H. Moeller. Des. 81,104; May 6.
- Dial protector, Telephone-. I. M. Martin. 1,762,726; June 10.
- Dial-reading axial adjustment for shaper feeds. W. F. Zimmermann. 1,772,445; Aug. 5.
- Dial, Scale. G. E. Chatillon and R. B. Wasson. Des. 81,085; May 6.
- Dial-test indicator. L. P. Boucher. 1,778,481; Oct. 14.
- Dial, Timepiece. J. T. Mooney. Des. 81,839-40; Aug. 19.
- Dial, Tuning. J. W. Fitz Gerald. 1,744,265; Jan. 21.
- Dial, Tuning. J. O. Gargan. 1,747,233; Feb. 18.
- Dialkyl sulphates, Production of. R. M. Isham. 1,744,227; Jan. 21.
- Di-alkyl urea. T. L. Davis. 1,785,730; Dec. 23.
- Dialyzing apparatus. E. Heibig. 1,757,364; May 6.
- Diaper. E. G. Brewer. 1,762,468; June 10.
- Diaphragm. N. Baldwin. 1,744,032; Jan. 21.
- Diaphragm. H. C. Harrison. 1,781,387; Nov. 11.
- Diaphragm. M. Nystrom. 1,783,926; Dec. 2.
- Diaphragm. A. P. Pinkler. 1,751,356; Mar. 18.
- Diaphragm and its manufacture. O. S. Marckworth. 1,744,561; Jan. 21.
- Diaphragm and mounting, Acoustic. N. Baldwin. 1,763,876; June 17.
- Diaphragm for acoustic instruments or apparatus. C. B. Lenthall. 1,757,091; May 6.
- Diaphragm for acoustical instruments. W. D. La Rue. 1,742,265; Jan. 7.
- Diaphragm for electroacoustic apparatus. E. Gerlach. 1,749,635; Mar. 4.
- Diaphragm for sound-reproducing machines. A. E. Squyars. 1,772,163; Aug. 5.
- Diaphragm head for puncturing closure disks. S. E. Allen and O. N. Wiswell. 1,762,806; June 10.
- Diaphragm support for personal wear. V. F. Kemp. 1,764,209; June 17.
- Diaphragms, Making. M. Nystrom. 1,783,386; Dec. 2.
- Diaphragms, Making flexible. C. S. Kelley. 1,742,398; Jan. 7.
- Diathermic treatment of the human body, Device for the. E. Last. 1,786,541; Dec. 30.
- Diathermy. H. S. Akers. 1,748,937; Mar. 4.
- Diathermy current, Apparatus for the application of. C. E. Campbell. 1,746,379; Feb. 11.
- Diazo-salt preparation and preparing it, Stable. O. Staebelin. 1,744,149; Jan. 21.
- Dibasic calcium hypochlorite, Preserving. H. S. Schultze. 1,743,242; Jan. 14.
- Dice box. E. W. Koch. 1,781,983; Nov. 18.
- Die: See—
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| Clay-molding die. | Pipe die. |
| Coil-forming die. | Printing die. |
| Corner die. | Rib-forming die. |
| Hat-forming die. | Screw-cutting die. |
| Heading die. | Thread-cutting die. |
| Macaroni die. | Threading die. |
- Die. A. J. Muhlbach. 1,774,809; Sept. 2.
- Die. A. Olgay. 1,765,770; June 24.
- Die. J. A. Parker. 1,782,999; Nov. 25.
- Die blocks for forging turbine blades, Making. R. C. Allen. 1,770,964; July 22.
- Die-casting appliance, Pressure. K. F. Wagner. 1,782,248; Nov. 18.
- Die-casting machine. E. N. Dollin and C. C. Jacobson. 1,781,168; Nov. 11.
- Die-casting machine. M. Stern. 1,760,258; May 27.
- Die-casting machine. M. Stern. 1,760,610; May 27.
- Die-casting machine, Automatic. E. Carlson. 1,765,653; June 24.
- Die-casting method and machine, Multiple-mixture. A. Akers. 1,781,939; Nov. 18.
- Die-chaser-grinding fixture. W. J. Hogg and F. Neumann. 1,783,540; Dec. 2.
- Die cushion. S. Marghitan. 1,745,549; Feb. 4.
- Die cushion. S. Marghitan. 1,776,919; Sept. 30.
- Die for flange bearings, Sizing. A. H. Valentine and J. C. Lemming. 1,750,290; Mar. 11.
- Die for flanging sheet metal. J. A. McGregor. 1,780,433; Nov. 4.
- Die for forming throat sheets for boilers. W. Mees. 1,747,127; Feb. 11.
- Die for laying wire rope and wire-rope strands. J. E. Evans. 1,759,105; May 20.
- Die for making journal-box wedges. W. G. Powell. 1,770,323; July 8.
- Die for molding insulating materials. T. A. Both. 1,770,766; July 15.
- Die for preparing and ornamenting shoe-upper members, Cutting. W. L. Brock. 1,772,335; Aug. 5.
- Die for shoe cut-outs, Stilt-anvil. C. A. Cadenbach. 1,772,455; Aug. 12.
- Die for the manufacture of chains. J. Reid, A. M. Leahy, and C. G. Lutts. 1,753,942; Apr. 8.
- Die, Forming. R. J. Curtis. 1,784,579; Dec. 9.
- Die head. O. Hoelzel. 1,742,913; Jan. 7.
- Die head. V. R. Koontz. 1,782,472; Nov. 25.
- Die head. H. T. Shearer. 1,706,567-8; May 27.
- Die head, Self-opening. A. F. Breitenstein. 1,753,819; Apr. 8.
- Die head, Self-opening. A. F. Breitenstein. 1,753,848; Apr. 8.
- Die head, Self-opening. A. F. Breitenstein. 1,756,277; Apr. 29.
- Die-heading machine, Open-. C. T. Brennan. 1,755,312; Apr. 22.
- Die-hobbing machine. W. Law. 1,769,742; July 1.
- Die-lapping machine. W. Haddow. 1,760,406; May 27.
- Die mechanism. C. Fassinger. 1,785,116; Dec. 16.
- Die mechanism. J. W. Spera. 1,777,772; Oct. 7.
- Die mechanism for constructing metallic wheels. F. W. Burger. 1,765,757; June 24.

- Die mechanism for sizing and testing metal wheel spiders. F. W. Burger. 1,765,756; June 24.
- Die rolling, Method and apparatus for. W. H. Donner. 1,772,538; Aug. 12.
- Die-rolling process and apparatus. W. H. Donner. 1,758,563; May 13.
- Die set. K. Janiszewski. 1,757,309; May 6.
- Die-sinking or engraving machine. J. E. Johnson. 1,753,206; Apr. 8.
- Dielectric substance. A. R. Lukens. 1,752,917; Apr. 1.
- Diestock. R. E. Hyde. 1,784,099; Dec. 9.
- Diestock. I. W. Nonneman. 1,750,241; Mar. 11.
- Diestock. T. Petersen. 1,748,458-9; Feb. 25.
- Diestock. T. Petersen. 1,781,932; Nov. 18.
- Diestock. L. V. Stoeltzlen. 1,781,936; Nov. 18.
- Diestock, Multiple. W. V. Bulman. 1,744,522; Jan. 21.
- Diestock, Stamped. R. E. Hyde. 1,783,964; Dec. 9.
- Die structure. W. H. Sommer. 1,765,744; June 24.
- Dies and method for closing pressed-metal pipe fittings. H. G. Carlson. 1,777,351; Oct. 7.
- Dies, Apparatus for polishing. F. Krause. 1,758,953; May 20.
- Dies, Forming. S. Wadsten. 1,760,675; May 27.
- Dies, Lapping. W. Haddow. 1,759,112; May 20.
- Dies, Making embossing. G. R. Meyercord and C. B. Norris. 1,747,311; Feb. 18.
- Dies, Manufacturing. F. L. Keller. 1,764,633; June 17.
- Dies used as in production of metal threads or wires, Mounting the. C. Archer. 1,751,382; Mar. 18.
- Differential. C. Andrade, jr. 1,742,679; Jan. 7.
- Differential. C. Andrade, jr. 1,781,996; Nov. 18.
- Differential. F. E. Crawford. 1,756,939; May 6.
- Differential. G. F. Eckart. 1,780,745; Nov. 4.
- Differential compensating float. F. E. Leahy. 1,777,145; Sept. 30.
- Differential, Compound duplex. W. R. Brewer. 1,776,677; Sept. 23.
- Differential, Friction. L. C. Josephs, jr. 1,779,629; Oct. 28.
- Differential loop for heating systems. W. K. Simpson. 1,777,333; Oct. 7.
- Differential mechanism. H. E. Altgelt. 1,749,964; Mar. 11.
- Differential mechanism. H. A. Cartwright. 1,743,060; Jan. 7.
- Differential mechanism. W. D. Heap. 1,775,312; Sept. 9.
- Differential mechanism. F. W. Seck. 1,777,702; Oct. 7.
- Differential mechanism. E. Wildhaber. 1,750,981; Mar. 18.
- Differential mechanism. E. Wildhaber. 1,777,024; Sept. 30.
- Differential mechanism. F. E. Wyman. 1,757,069; May 6.
- Differential motion for traversing card grinding rollers. J. Dronsfield. 1,785,731; Dec. 23.
- Diffusing apparatus for spreading products for the maintenance of roadways, Centrifugal. A. J. Scharf. 1,751,531; Mar. 25.
- Diffusion plant. C. Camuset. 1,782,603; Nov. 25.
- Digester for sulphite wood pulp. E. Morterud. 1,785,591; Dec. 16.
- Digger: See—
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| Back digger. | Potato digger. |
| Ditch digger. | Potato or like digger. |
| Grass digger. | Peanut digger. |
- Digger and plow, Quack-grass. S. H. Heinmiller. 1,772,996; Aug. 12.
- Digger and reamer, Post-hole. A. E. Miller. 1,751,521; Mar. 25.
- Digging and cleaning machine, Ditch. E. Heumann. 1,765,919; June 24.
- Digging machine, Plant-. L. McClain. 1,785,588; Dec. 16.
- Digging machine, Potato-. R. C. Zuckerman. 1,761,286; June 3.
- Digging tooth with hard-metal core. F. A. Fahrenwald. 1,778,213; Oct. 14.
- Dihydroxyacetone, Preparing. W. Lenz. 1,755,656; Apr. 22.
- Di-isopropyl carbonyl compound. A. Knorr and A. Weissenborn. 1,776,154; Sept. 16.
- Dilatometer, Differential recording. P. Chevenard. 1,766,775; June 24.
- Dilator. H. F. Gau. 1,780,912; Nov. 11.
- Dilator. W. J. Kirk. 1,750,272; Mar. 11.
- Dimmer for automobile headlights. D. O. Dever. 1,745,083; Jan. 28.
- Dimmer glasses. J. L. and H. H. Rollins. 1,744,282; Jan. 21.
- Dimmers, Actuating means for electric-light. H. J. Atticks and J. G. Saltzman. 1,782,390; Nov. 18.
- Dining set and cabinet, Combined. A. C. Bennett. 1,748,380; Feb. 25.
- Diphenyloxide and the like, Making. W. J. Hale. 1,744,961; Jan. 28.
- Dipper. J. H. Konigsberg. 1,769,226; July 1.
- Dipper, Excavating. B. S. Ferguson. 1,755,438; Apr. 22.
- Dipper, Excavating. W. E. Miley. 1,745,436; Feb. 4.
- Dipper, Excavating. W. E. Miley. 1,751,745; Mar. 25.
- Dipper device. C. B. Hicks. 1,778,598; Oct. 14.
- Dipper for semisolid materials. M. E. Miller. 1,760,561-2; May 27.
- Dipper, Ice-cream. J. H. Grummer. 1,761,986; June 3.
- Dipper, Ice-cream. C. G. Hertzner. 1,760,358; May 27.
- Dipper, Ice-cream. R. Schupfer and L. B. Eaton. 1,773,013; Aug. 12.
- Dipper tooth. E. C. Bauer. 1,776,676; Sept. 23.
- Dipper tooth. W. S. McKee and E. C. Bauer. 1,780,397; Nov. 4.
- Dipper tooth. J. R. Watts. 1,783,350; Dec. 2.
- Dipper-tooth structure. L. E. Younie. 1,775,984; Sept. 16.
- Dipper trip and monkey-line winder, Semiautomatic. G. G. Morin. 1,765,089; June 17.
- Dipping means for quenching articles. A. S. Phelps. 1,775,254; Sept. 9.
- Dipping or coating apparatus. P. A. Raiche. 1,774,453; Aug. 26.
- Direction finder. H. O. Peterson. 1,764,747; June 17.
- Direction-finder observations, Coordination of. S. W. Dean. 1,759,938; May 27.
- Direction finding. B. R. Hubbard. 1,753,418; Apr. 8.
- Direction indicator. H. Blum. 1,779,799; Oct. 28.
- Direction indicator. F. A. Daechsel. 1,749,754; Mar. 11.
- Direction indicator. A. P. Davis. 1,773,808; Aug. 26.
- Direction indicator. B. Eliggi. Des. 81,961; Sept. 9.
- Direction indicator. W. D. Morgan and E. Knapton. 1,757,678; May 6.
- Direction indicator. G. W. Neff. 1,745,948; Feb. 4.
- Direction indicator. G. Pohlmann and J. Statmann. 1,744,794; Jan. 28.
- Direction indicator. B. H. Smith. 1,766,199; June 24.
- Direction indicator. F. Weidinger. 1,781,888; Nov. 18.
- Direction indicator, Automobile. B. Jablonsky. 1,751,637; Mar. 25.
- Direction indicator for automobiles. A. Zapart. 1,749,459; Mar. 4.
- Direction indicator, Vehicle. A. Chislock. 1,782,773; Nov. 25.
- Direction-indicator-operating means. G. E. Bates. 1,748,534; Feb. 25.
- Direction signal. C. Dabney. 1,753,110; Apr. 1.
- Direction signal. J. P. Meehan. 1,770,083; July 8.
- Direction signal, Automobile. R. Taeubert. 1,776,051; Sept. 16.
- Directional receiving, Arrangement for. A. Herzog. 1,755,180; Apr. 22.
- Directional recording, Method of and apparatus for. O. R. Marsh. 1,754,520; Apr. 15.
- Directional signal, Protected. T. Patocka. 1,783,307; Dec. 2.
- Directory attachment for telephones. L. L. Sherwood. 1,778,042; Oct. 14.
- Dirigible. T. Rose. 1,766,358; June 24.
- Dirigible. R. H. Upson. 1,762,845; June 10.
- Dirigible craft, Automatic control of the steering of. J. B. Henderson. 1,765,583; June 24.
- Dirigible driving light. W. R. Johnston. 1,746,118; Feb. 4.
- Dirigibly-mounted light. C. Sklarek. 1,772,918; Aug. 12.
- Dirt and dust remover for mining machines. T. J. and R. C. Crombie. 1,766,429; June 24.
- Dirt mover. H. Maschek. 1,780,239; Nov. 4.
- Discharge device, Gas or vapor. L. J. Buttolph. 1,778,417; Oct. 14.
- Discharge tube. C. Bol. 1,757,233; May 6.
- Discharge tube. C. Bol and B. van der Pol. 1,745,887; Feb. 4.
- Discharge tube. J. H. de Boer and P. Clausing. 1,767,437; June 24.
- Discharge tube, Electric. S. Loewe. 1,748,386; Feb. 25.
- Discharge tube, Vapor-. E. Lübcke. 1,746,484; Feb. 11.
- Discharging articles, Method of and apparatus for. D. E. Gray and G. R. Crites. 1,776,556; Sept. 23.
- Discharging device for pump, drill, or other cylinders, Contents. E. S. Sloan. 1,742,939; Jan. 7.
- Discharging dyed cellulose-acetate materials. A. Fischeser. 1,747,540; Feb. 18.
- Discharging insecticides from aircraft. H. Junkers. 1,761,889; June 3.
- Disconnect switch. H. D. Salisbury. 1,774,456; Aug. 26.
- Disconnector. C. W. Gorman. 1,778,360; Oct. 14.
- Disconnector arrangement, Conductor. J. Rah. 1,782,547; Nov. 25.
- Disconnecting coupling. A. Peterson. 1,753,300; Apr. 8.
- Disconnecting hook. F. Margeson. 1,759,127; May 20.
- Disconnecting switch. H. J. Crabbs. 1,745,080; Jan. 28.
- Disconnecting switch. A. T. Twiss. 1,747,460; Feb. 18.
- Dish. A. Cannella. Des. 82,250; Oct. 14.
- Dish. S. W. Farber. Des. 81,437; June 24.
- Dish. S. W. Farber. Des. 81,872; Aug. 26.
- Dish and faucet, Combination soap. J. Fraser. Des. 80,439; Feb. 4.
- Dish and holder and assembling the same, Sundae. W. A. Green. 1,762,977; June 10.
- Dish and utensil washing machine. A. B. Bowman. 1,757,356; May 6.
- Dish-drying apparatus. S. Olson. 1,765,996; June 24.
- Dish for hors d'œuvre. F. J. Cuthbertson. 1,768,976; July 1.
- Dish or other article of hollow ware. A. G. Kintz. Des. 81,796; Aug. 12.
- Dish or similar article. G. N. Allen. Des. 82,012; Sept. 16.
- Dish or similar article. W. P. Graham. Des. 80,520-23; Feb. 18.
- Dish or similar article. W. P. Graham. Des. 82,422; Nov. 4.
- Dish or similar article. J. E. Phillips. Des. 82,343; Oct. 21.
- Dish or similar article, Candy. W. C. McCartney. Des. 80,847; Apr. 1.

- Dish or similar article, Covered. G. Wesp. Des. 82,121; Sept. 23.
- Dish or similar article, Glass. W. J. Graham. Des. 82,554; Nov. 18.
- Dish, Reversible serving. L. J. Ware. 1,756,963; May 6.
- Dish, Serving. J. H. Bens. 1,754,594; Apr. 15.
- Dish, Soap. A. N. Spanel. Des. 82,004; Sept. 9.
- Dish, Soap. A. N. Spanel and M. Robitaille. Des. 82,184; Sept. 30.
- Dished wheel. S. I. Prescott. 1,765,848; June 24.
- Dishwasher. F. G. Brotz. 1,771,524; July 29.
- Dishwasher. M. G. Clark and W. G. Fording. 1,755,101; Apr. 15.
- Dishwasher. B. S. Coe and E. J. Ashley. 1,745,323; Jan. 28.
- Dishwasher. J. Popper. 1,772,466; Aug. 12.
- Dishwasher. A. J. Poteet. 1,777,152; Sept. 30.
- Dishwasher. A. W. Smith. 1,763,992; June 17.
- Dishwasher. F. A. Walker. 1,780,452; Nov. 4.
- Dishwasher, Mechanical. F. A. Walker. 1,777,058; Sept. 30.
- Dishwasher, Mechanical. F. A. Walker. 1,782,950; Nov. 25.
- Dishwasher, Mechanical. J. H. Weidman. 1,757,278; May 6.
- Dishwashers, Impeller for mechanical. F. A. Walker. 1,787,220; Dec. 30.
- Dish washing and drying machine, Combined. C. N. Gerosa. 1,755,539; Apr. 22.
- Dishwashing apparatus. M. Marangoni. 1,771,934; July 29.
- Dishwashing fixture. G. W. Fisher. 1,767,841; June 24.
- Dishwashing machine. J. E. Catlett. 1,781,052; Nov. 11.
- Dishwashing machine. F. L. Davidson. 1,757,831; May 6.
- Dishwashing machine. H. L. Phillips. 1,765,444; June 24.
- Dishwashing machine. E. G. Reese. 1,747,321; Feb. 18.
- Dishwashing machine. A. B. Schmidt and L. A. James. 1,760,779; May 27.
- Dishwashing machine. E. S. Stoddard. 1,760,668; May 27.
- Dishwashing machine. A. R. Torres. 1,748,530; Feb. 25.
- Dishwashing machine. E. D. Watt and G. W. Conover. 1,783,349; Dec. 2.
- Dishwashing machine. G. Webb. 1,762,847; June 10.
- Disinfectant and antiseptic product. J. M. Schaffer. 1,745,507; Feb. 4.
- Disinfectant composition. M. Engelmann. 1,780,008; Oct. 28.
- Disinfectant compositions, Making. M. Engelmann. 1,783,377; Dec. 2.
- Disinfectant, Nonhydroscopic seed. M. Engelmann. 1,776,423; Sept. 23.
- Disinfectant, Seed. M. Engelmann. 1,752,424; Apr. 1.
- Disinfectant, Seed. M. S. Kharasch. 1,770,886-7; July 15.
- Disinfecting apparatus. U. J. Smith. 1,746,745; Feb. 11.
- Disinfecting, bactericidal, insecticidal, fungicidal, and vermin-destroying preparation. R. Lieske and W. Schepss. 1,766,441; June 24.
- Disinfecting device for sanitary flushing tanks. R. de Lamprecht. 1,745,010; Jan. 28.
- Disintegrating and conveying materials, Device for. A. Farner. 1,752,902; Apr. 1.
- Disintegrating, grinding, reducing to fibers, mixing, or felting humid or dry materials, Apparatus for. E. Sterzl. 1,745,727; Feb. 4.
- Disintegrating, kneading, mixing, and drying machine. A. Kramer. 1,767,376; June 24.
- Disintegrating machine. D. C. Addicks. 1,764,138; June 17.
- Disintegrating machine. E. Roth. 1,748,679; Feb. 25.
- Disintegrating mill. A. M. Marsh. 1,762,122; June 3.
- Disintegrating, mixing, aerating, and ejecting sand or the like, Apparatus for. G. Spencer. 1,769,806; July 1.
- Disintegration of matter. W. Koehler. 1,746,731; Feb. 11.
- Disintegrator. W. M. Duncan. 1,745,478; Feb. 4.
- Disintegrator for cleaning gases and the like. H. F. J. Nolze. 1,743,380; Jan. 14.
- Disk bit. F. W. Hild. 1,749,344; Mar. 4.
- Disk bit, Multiple-cutter. I. C. Bell. Re17,856; Nov. 11.
- Disk, Bottle-closure. W. L. Wright. 1,779,350; Oct. 21.
- Disk, Clutch. C. E. Swenson. 1,762,673; June 10.
- Disk, Controlled-aperture scanning. C. F. Jenkins. 1,748,383; Feb. 25.
- Disk, Crank. L. Robertson. 1,782,746; Nov. 25.
- Disk distributor for cylinder printing presses, Duplex. C. L. Low. 1,748,358; Feb. 25.
- Disk drill, Rotary. W. S. Holdaway. 1,769,371; July 1.
- Disk, Duplex scanning. C. F. Jenkins. 1,785,262; Dec. 16.
- Disk feeder and mixer. L. C. Bonnot. 1,781,097; Nov. 11.
- Disk for harrows. E. R. Lavender. 1,742,401; Jan. 7.
- Disk for soil pulverizers, Multiple. J. Parker. 1,769,601; July 1.
- Disk for washing machines, Agitating. H. L. Ogg. 1,765,071; Apr. 15.
- Disk harrow. W. D. Dewend. 1,780,644; Nov. 4.
- Disk harrow. W. L. Paul. 1,785,144; Dec. 16.
- Disk harrow. W. R. Peterson. 1,786,863; Dec. 30.
- Disk-harrow assembly and draft hitch. H. W. Berkler. 1,775,842; Sept. 16.
- Disk-harrow lever. C. E. Webber. 1,742,979; Jan. 7.
- Disk harrow, Reversible. W. R. Peterson. 1,769,162; July 1.
- Disk-harrow seeder attachment. O. E. Reimer. 1,765,176; June 17.
- Disk implement. J. R. Barker. 1,775,269; Sept. 9.
- Disk or lid feeding and inserting device. C. Taylor. 1,744,178; Jan. 21.
- Disk, Polishing. G. Lüdorf. 1,761,890; June 3.
- Disk-rolling process. G. M. Evans. 1,764,943; June 17.
- Disk underreamer, Rotary. J. S. Brown. 1,758,187; May 13.
- Disk-washing machine. J. Heusser. 1,772,749; Aug. 12.
- Disk wheel. D. H. Bellamore. 1,745,973; Feb. 4.
- Disk wheel. D. H. Bellamore. 1,780,897; Nov. 11.
- Disk wheel. W. N. Booth. Des. 82,540; Nov. 18.
- Disk wheel. C. V. Brown. 1,773,569; Aug. 19.
- Disk wheel. H. W. Kranz. 1,752,992; Apr. 1.
- Disk wheel. F. L. Main. 1,761,927; June 3.
- Disk wheel, Metal. W. Barber. 1,768,947; July 1.
- Disk wheel, Resilient. S. C. Hatfield. 1,783,469; Dec. 2.
- Disks and the like, Apparatus for stacking closure. K. G. Quade and C. H. La Beef. 1,774,401; Aug. 26.
- Disks, Making abrasive. A. J. Doermann. 1,785,437; Dec. 16.
- Disks, Manufacturing grinding and polishing. E. Becker. 1,755,158; Apr. 15.
- Disks, Method and apparatus for rolling tapered wheel. J. W. Hughes. 1,750,176; Mar. 11.
- Disks, Rolling. J. W. Hughes. 1,767,796; June 24.
- Disks to a closing mold, Method and apparatus for feeding. L. T. Frederick. 1,782,989; Nov. 25.
- Dispatch carrier, Pneumatic. A. Drenkard, jr. 1,745,786; Feb. 4.
- Dispatch system, Pneumatic. K. Packendorf. 1,778,369; Oct. 14.
- Dispenser. H. J. Cocks. 1,751,129; Mar. 18.
- Dispenser. M. Hollender. 1,743,605; Jan. 14.
- Dispenser. C. H. Lush and H. C. Warfield. 1,770,739; July 15.
- Dispenser. W. A. Schatz. 1,781,035; Nov. 11.
- Dispenser, Adhesive-tape. H. C. Yates and F. L. Hann. 1,759,599; May 20.
- Dispenser and ash tray, Combined cigarette. M. Salinger. Des. 81,666; July 22.
- Dispenser and cutter, Butter. T. Kaskouras. 1,758,257; May 13.
- Dispenser and humidifier, Cigarette. M. Alland. 1,744,195; Jan. 21.
- Dispenser and lighter for cigarettes and cigars. F. C. Copeland. 1,774,131; Aug. 26.
- Dispenser and match box holder, Combined cigarette. C. Rosine. Des. 81,851; Aug. 19.
- Dispenser, Automatic liquid-fuel. C. Braby. 1,751,073; Mar. 18.
- Dispenser, Automatic liquid-fuel. C. Braby. 1,780,292; Nov. 4.
- Dispenser, Beverage. L. G. Ames and R. C. Browne. Des. 80,768; Mar. 25.
- Dispenser, Beverage. W. E. Leibing. Des. 81,753; Aug. 5.
- Dispenser charge-regulating device. F. W. Fitch. 1,783,419; Dec. 2.
- Dispenser, Coffee. J. Terborg. 1,751,535; Mar. 25.
- Dispenser, Conical-cup. C. Barbieri. 1,762,948; June 10.
- Dispenser, Cup. G. De Vries. 1,761,009; June 3.
- Dispenser, Dish. F. J. Getz. 1,762,975; June 10.
- Dispenser, Dose. R. A. Stewart. 1,770,185; July 8.
- Dispenser for cigarettes and other rodlike bodies. J. P. Remington. 1,778,729; Oct. 21.
- Dispenser for lighters, Fluid. J. J. Donovan and F. L. V. Spring. 1,775,423; Sept. 9.
- Dispenser for particulate materials. L. H. Morin. 1,767,009; June 24.
- Dispenser for tooth paste. I. Strouse. 1,776,137; Sept. 16.
- Dispenser, Fountain. C. L. Casanave. Des. 81,865; Aug. 26.
- Dispenser, Grease. C. R. Buchet. 1,753,849; Apr. 8.
- Dispenser, Grease. R. H. Moulton. 1,752,537; Apr. 1.
- Dispenser, Gummed-tape. P. A. Stover and N. A. Young. 1,774,042; Aug. 26.
- Dispenser, Ice-cream. G. G. Garvis. 1,769,218; July 1.
- Dispenser, Liquid. A. J. Gorlick. 1,769,505; July 1.
- Dispenser, Liquid. L. Grauman. 1,770,611; July 15.
- Dispenser, Liquid. B. B. Maynard and F. L. De Sanno. 1,765,844; June 24.
- Dispenser, Liquid. H. M. Ross. 1,743,485; Jan. 14.
- Dispenser, Liquid and powdered soap. G. H. Packwood, jr. 1,779,914; Oct. 28.
- Dispenser, Magazine-type. F. J. Root. 1,742,668; Jan. 7.
- Dispenser, Medicine. R. H. Hill. 1,770,173; July 8.
- Dispenser, Mucilage. L. S. Kositchek. Des. 80,793; Mar. 25.
- Dispenser, Multiple-valve. J. L. McCain. 1,768,129; June 24.
- Dispenser, Napkin. A. E. Cofrin. 1,768,118; June 24.
- Dispenser or the like, Cigarette. H. C. Stoll. Des. 81,507; July 1.
- Dispenser, Paper. A. S. Krueger and G. W. Hay. 1,744,644; Jan. 21.
- Dispenser, Paper-cup. P. R. Simmons. 1,742,371; Jan. 7.
- Dispenser, Portable grease. R. H. Moulton. 1,764,970; June 17.
- Dispenser, Sirup. C. A. Look. Des. 81,497; July 1.
- Dispenser, Soap. H. A. Javins. 1,770,473; July 15.
- Dispenser, Soft-soap. F. M. Funk. 1,760,404; May 27.
- Dispenser, Sugar. I. Bergelson. 1,752,720; Apr. 1.

- Dispenser, Sugar. E. M. Brown. 1,763,551; June 10.
 Dispenser, Sugar. A. N. Tebieff. Des. 80,976; Apr. 15.
 Dispenser, Tooth-paste. A. C. Strauss and D. W. Blair. 1,763,273; June 10.
 Dispensers, Regulatable discharge means for soap. G. H. Packwood, jr. 1,775,912; Sept. 16.
 Dispensing and cooling box, Beverage. H. R. Loosley. 1,750,675; Mar. 18.
 Dispensing and cutting device, Twine. J. E. Kroemer. 1,782,971; Nov. 25.
 Dispensing and display device, Beverage. H. C. Smith. 1,780,687; Nov. 4.
 Dispensing and measuring apparatus. H. C. Cushing. 1,778,449; Oct. 14.
 Dispensing and measuring device. W. W. Campbell. 1,768,826; July 1.
 Dispensing and vending machine. J. W. Ames. 1,744,603; Jan. 21.
 Dispensing apparatus. F. S. Barks. 1,767,426; June 24.
 Dispensing apparatus. E. Brunhoff. 1,778,843; Oct. 21.
 Dispensing apparatus. E. Brunhoff. 1,778,845; Oct. 21.
 Dispensing apparatus. H. J. Cocks. 1,751,128; Mar. 18.
 Dispensing apparatus. H. Eerkes. 1,778,589; Oct. 14.
 Dispensing apparatus. E. Hurlbrink and G. Meister. 1,778,390; Oct. 14.
 Dispensing apparatus. J. La Reddola. 1,745,427; Feb. 4.
 Dispensing apparatus. V. Van der Linde. 1,768,723; July 1.
 Dispensing apparatus. R. C. Wolfe. 1,745,287; Jan. 28.
 Dispensing apparatus, Article-. A. Doebeli. 1,746,192; Feb. 4.
 Dispensing apparatus, Automatic. H. Miller. 1,766,717; June 24.
 Dispensing apparatus, Beverage. C. M. Cordley. 80,781; Mar. 25.
 Dispensing apparatus, Beverage-. H. W. Tuttle. 1,776,054; Sept. 16.
 Dispensing apparatus, Coin-controlled liquid-. E. E. Cooper. 1,752,150; Mar. 25.
 Dispensing apparatus, Control for. H. B. Higgins, jr. 1,757,801; May 6.
 Dispensing apparatus, Drink-. E. A. Calleson. 1,776,539; Sept. 23.
 Dispensing apparatus, Fluid-. P. S. Allen and D. N. Alexander. 1,758,552; May 13.
 Dispensing apparatus, Fluid-. R. L. Bacher. 1,781,045; Nov. 11.
 Dispensing apparatus, Gasoline-. D. Brouse. 1,771,993; Aug. 5.
 Dispensing apparatus, Gift-. A. C. Westgate. 1,763,733; June 17.
 Dispensing apparatus, Liquid-. C. D. Blackmon. Des. 81,681; July 29.
 Dispensing apparatus, Liquid-. C. M. Cordley. Des. 81,178; May 20.
 Dispensing apparatus, Liquid-. J. B. Davis. 1,749,469; Mar. 4.
 Dispensing apparatus, Liquid-. J. B. Davis. 1,752,068; Mar. 25.
 Dispensing apparatus, Liquid-. J. B. Davis. 1,779,270; Oct. 21.
 Dispensing apparatus, Liquid-. J. B. Davis. 1,779,904; Oct. 28.
 Dispensing apparatus, Liquid-. F. W. Delanoy and L. Deutsch. 1,771,747; July 29.
 Dispensing apparatus, Liquid-. T. Di Tella. 1,766,287; June 24.
 Dispensing apparatus, Liquid-. T. Di Tella. 1,774,790; Sept. 2.
 Dispensing apparatus, Liquid-. F. B. Eilers. 1,764,097; June 17.
 Dispensing apparatus, Liquid-. F. B. Eilers. 1,783,916; Dec. 2.
 Dispensing apparatus, Liquid-. J. J. Groetken. 1,761,885; June 3.
 Dispensing apparatus, Liquid-. A. P. Hitzeman. 1,757,836; May 6.
 Dispensing apparatus, Liquid-. W. H. Parker. 1,781,881; Nov. 18.
 Dispensing apparatus, Liquid-. L. D. Thompson. 1,784,852; Dec. 16.
 Dispensing apparatus, Liquid-. R. Westberg and E. Timm. 1,753,278; Apr. 8.
 Dispensing apparatus, Liquid-beverage-. C. R. Hilty. 1,772,545; Aug. 12.
 Dispensing apparatus, Lubricating-oil-. E. J. Sweetland. 1,747,608; Feb. 18.
 Dispensing apparatus, Portable. W. E. Doughty. 1,778,248; Oct. 14.
 Dispensing apparatus, Powder-. E. Brunhoff. 1,778,844; Oct. 21.
 Dispensing apparatus, Soap-. H. Cordell. 1,761,875; June 3.
 Dispensing apparatus, Sugar-. C. Yucius. 1,763,118; June 10.
 Dispensing apparatus, Toothpick-. J. M. Blestek. 1,742,184; Jan. 7.
 Dispensing attachment, Liquid-. C. E. Baker. 1,745,656; Feb. 4.
 Dispensing bin, Rotary. R. Morris. Re17,769; Aug. 12.
 Dispensing can. J. H. Miller. 1,763,316; June 10.
 Dispensing can, Lubricant-. H. A. Franchere and A. E. Jepp. 1,751,732; Mar. 25.
 Dispensing cartridge, Medicament-. H. S. Cook. 1,783,956; Dec. 9.
 Dispensing device. A. L. Blatti. 1,768,561; July 1.
 Dispensing device. E. Carns. 1,758,999; May 20.
 Dispensing device. F. Carroll. 1,752,885; Apr. 1.
 Dispensing device. R. L. Cornelius. 1,754,084; Apr. 8.
 Dispensing device. G. S. Cox and H. J. Almstedt. 1,773,723; Aug. 26.
 Dispensing device. J. S. Daniels. 1,783,414; Dec. 2.
 Dispensing device. S. C. Germont. 1,775,719; Sept. 16.
 Dispensing device. J. Gertner. 1,773,306; Aug. 19.
 Dispensing device. J. E. Henderson. 1,743,917; Jan. 14.
 Dispensing device. A. S. Hood. 1,776,258; Sept. 23.
 Dispensing device. R. C. Iddings. 1,768,909; July 1.
 Dispensing device. J. Kantor and C. H. Miller. 1,763,971; June 17.
 Dispensing device. T. Kaskouras. 1,764,728; June 17.
 Dispensing device. J. W. Lysons. 1,773,820; Aug. 26.
 Dispensing device. J. T. Misiak. 1,778,767; Oct. 21.
 Dispensing device. D. P. Polk and J. P. Remington. 1,764,642; June 17.
 Dispensing device. G. Raymond. 1,785,097; Dec. 16.
 Dispensing device. H. M. Reiner. 1,742,320; Jan. 7.
 Dispensing device. M. Ruiz. 1,769,392; July 1.
 Dispensing device. S. Segal. 1,770,672; July 15.
 Dispensing device. O. A. Schoen. 1,765,622; June 24.
 Dispensing device. W. Tittle. 1,767,491; June 24.
 Dispensing device. J. R. Umstead. 1,753,585; Apr. 8.
 Dispensing device. F. S. Upham. 1,773,329; Aug. 19.
 Dispensing device. L. W. Wakeham. 1,769,478; July 1.
 Dispensing device. W. A. Whittle. 1,772,377; Aug. 5.
 Dispensing device. P. H. D. Winsor. 1,777,906; Oct. 7.
 Dispensing device for air-sealed cans. F. Leather. 1,770,576; July 15.
 Dispensing device for dental alloy and mercury. F. G. Jellison. 1,767,928; June 24.
 Dispensing device, Gasoline-. J. Nelson and L. C. Gadbois. 1,776,226; Sept. 16.
 Dispensing device, Gasoline-. J. J. Tokheim. 1,763,544; June 10.
 Dispensing device, Liquid-. J. K. Darby. 1,771,326; July 22.
 Dispensing device, Liquid-. F. C. Kimmel. 1,785,316; Dec. 16.
 Dispensing device, Liquid-. H. K. Pratt. 1,760,914; June 3.
 Dispensing device, Liquid-. J. J. Robinson. 1,764,525; June 17.
 Dispensing device, Liquid-soap-. A. R. Hesselblad. 1,774,438; Aug. 26.
 Dispensing device, Oil-. H. G. Davis. 1,782,715; Nov. 25.
 Dispensing device, Portable. H. R. Price and E. W. Nice. 1,766,764; June 24.
 Dispensing device, Tooth-paste-. E. Hausberg. 1,742,536; Jan. 7.
 Dispensing edible commodities, Device for D. Bereck. 1,743,092; Jan. 14.
 Dispensing freshly-refrigerated foods, Apparatus for. E. C. Styberg. 1,748,963; Mar. 4.
 Dispensing gasoline and the like. Apparatus for. S. J. Pocock. 1,767,256; June 24.
 Dispensing gun for decarbonizing liquids. M. L. Blair. 1,749,312; Mar. 4.
 Dispensing liquids, Device for. G. F. Wentz. 1,763,732; June 17.
 Dispensing machine. W. G. Crankshaw. 1,752,067; Mar. 25.
 Dispensing machine. A. L. Loehr. 1,755,699; Apr. 22.
 Dispensing machine, Automatic gum tape-. J. Rugen. 1,767,942; June 24.
 Dispensing machine, Envelope-. H. B. Woods. 1,756,418; Apr. 29.
 Dispensing machine for plastic substances. G. A. Chaus-towich. 1,771,075; July 22.
 Dispensing machine, Gummed-tape-. R. G. Beach. 1,748,940; Mar. 4.
 Dispensing machine, Gummed-tape-. R. G. Beach. 1,749,407; Mar. 4.
 Dispensing machine, Package-. H. E. Nagle. 1,783,479; Dec. 2.
 Dispensing machines, Controlling mechanism for. C. W. Nixon. 1,753,091; Apr. 1.
 Dispensing mechanism. A. Schroeder. 1,744,925; Jan. 28.
 Dispensing mechanism. N. J. H. Wood. 1,772,409; Aug. 5.
 Dispensing mechanism, Liquid-. W. M. Harks. 1,773,484; Aug. 19.
 Dispensing mechanism, Liquid-. W. S. Townsend. 1,778,738; Oct. 21.
 Dispensing stand, Article-. E. Kanter and E. Feldman. Des. 81,337; June 10.
 Dispensing stopper, Liquid-. L. H. Dunlap. 1,746,727; Feb. 11.
 Dispensing tube. E. H. Barker. 1,754,496; Apr. 15.
 Dispensing tube. F. L. MacDonald. 1,765,281; June 17.
 Dispensing vessel, Glass. F. S. Barbiers. 1,752,291; Apr. 1.
 Dispersion and making the same. R. W. Lewis. 1,783,365-6; Dec. 2.
 Dispersion and making the same. R. W. Lewis. 1,787,418; Dec. 30.
 Dispersions, Preparing. E. B. Myers. 1,774,609; Sept. 2.
 Dispersions, Process and apparatus for producing. C. R. MacDonald. 1,774,205; Aug. 26.

- Displacement apparatus. A. C. Durdin, jr. 1,753,556; Apr. 8.
- Display and dispensing apparatus, Combined. A. Welle-meyer. 1,787,347; Dec. 30.
- Display and dispensing apparatus, Liquid. F. G. Stanford and H. L. Glaze. 1,754,531; Apr. 15.
- Display and dispensing device. L. E. Pratt. 1,764,468; June 17.
- Display and illuminated transparency. J. L. Ford. 1,771,532; July 29.
- Display and index rack. E. A. Sutcliffe. 1,785,988; Dec. 23.
- Display and merchandising system. R. Miller. 1,753,663; Apr. 8.
- Display and storage device, Combined. H. A. Stout. 1,781,769; Nov. 18.
- Display and vending case, Combined. R. M. Messinger. Des. 82,951; Dec. 30.
- Display apparatus. E. A. Burrows. 1,757,764; May 6.
- Display apparatus. R. M. Craig. 1,768,574-5; July 1.
- Display apparatus. R. M. Craig. 1,777,550; Oct. 7.
- Display apparatus. J. Eifel. 1,751,270; Mar. 18.
- Display apparatus. M. Hartman, G. L. Ohmart, and T. H. Hawkinson. 1,762,685; June 10.
- Display apparatus. L. R. McDonald. 1,750,642; Mar. 18.
- Display apparatus. M. W. Nordlinger and L. Klein. 1,763,317; June 10.
- Display apparatus. J. G. Steiss. 1,777,666; Oct. 7.
- Display apparatus. B. S. Watling. 1,763,841; June 17.
- Display apparatus, Advertising. J. Lashenick. 1,780,651; Nov. 4.
- Display apparatus, Merchandise. B. N. MacGregor. 1,754,113; Apr. 8.
- Display apparatus and operating the same. G. A. Wear-ham. 1,780,773; Nov. 4.
- Display apparatus and operating the same. G. A. Wear-ham. 1,782,328; Nov. 18.
- Display apparatus, Liquid-. F. G. Stanford and G. Baker. 1,782,943; Nov. 25.
- Display apparatus, Window-curtain-. A. Reid. 1,770,110; July 8.
- Display board. E. E. Leu. 1,759,486; May 20.
- Display box. J. P. Fegely. 1,762,923; June 10.
- Display box. R. A. Lambert. 1,770,618; July 15.
- Display box. M. Lesser. Des. 82,568; Nov. 18.
- Display box. R. McClelland, H. K. Powell and S. N. Leopold. 1,780,760; Nov. 4.
- Display box. H. K. Powell. 1,761,232; June 3.
- Display box. V. F. Ridgway. 1,747,486; Feb. 18.
- Display box. S. Segal. 1,779,498; Oct. 28.
- Display box. C. O. Todd. 1,762,900; June 10.
- Display case. B. R. Gay. 1,754,711; Apr. 15.
- Display case. J. G. Green. Des. 82,556; Nov. 18.
- Display case. M. M. Orr and C. E. Doxey. Des. 80,738; Mar. 18.
- Display case, Glass. F. J. Nichols. Des. 82,276; Oct. 14.
- Display case, Refrigerated. E. F. Deacon. 1,744,070; Jan. 21.
- Display case, Refrigerator. J. E. Gloekler. 1,771,998; Aug. 5.
- Display cases and the like, Construction for. H. F. Keil. 1,755,880; Apr. 22.
- Display cases, Construction for. H. Hansen. 1,782,819; Nov. 25.
- Display container, Folding. A. J. Tanner. 1,746,721; Feb. 11.
- Display device. H. B. Barker. 1,763,741; June 17.
- Display device. J. T. Bluff. 1,780,061; Oct. 28.
- Display device. J. G. Bohart. 1,778,414; Oct. 14.
- Display device. W. F. Buckingham. 1,770,227; July 8.
- Display device. W. F. Crawford. 1,747,428; Feb. 18.
- Display device. E. H. Cummings. 1,775,932; Sept. 16.
- Display device. Z. W. Day. 1,767,745; June 24.
- Display device. J. C. Duke. 1,749,696; Mar. 4.
- Display device. G. F. Egan. 1,768,674-5; July 1.
- Display device. L. S. Geer. 1,753,004; Apr. 1.
- Display device. F. W. Gibson. 1,754,199; Apr. 8.
- Display device. R. Jelinek. 1,752,952; Apr. 1.
- Display device. A. W. Johnson. 1,784,597; Dec. 9.
- Display device. L. E. Kahn. 1,785,449; Dec. 16.
- Display device. P. Laroche. 1,755,607; Apr. 22.
- Display device. A. Mayer. 1,786,253; Dec. 23.
- Display device. T. F. Moore. 1,759,519; May 20.
- Display device. C. F. Neiley. 1,771,967; July 29.
- Display device. J. J. O'Brien. 1,763,318; June 10.
- Display device. J. J. O'Brien. 1,777,933; Oct. 7.
- Display device. T. O'Rourke. Des. 82,688; Dec. 2.
- Display device. H. Sarafian. 1,754,242; Apr. 15.
- Display device. R. M. Sherrill. 1,744,680; Jan. 21.
- Display device. B. F. Stenz. 1,760,792; May 27.
- Display device. J. Wozniak and E. G. Bremforder. 1,785,105; Dec. 16.
- Display device, Advertising. R. W. Good and J. Ceres. 1,770,692; July 15.
- Display device, Advertising. R. B. Simpson. Des. 81,468; June 24.
- Display device for automobiles. D. Weisberger. 1,770,682; July 15.
- Display device for containers. J. F. Weidmann. 1,748,032; Feb. 18.
- Display device for dispensing pumps. A. L. Wertz. 1,765,956; June 24.
- Display device for jewelry. C. E. Koeth. 1,762,478; June 10.
- Display device for show cases, windows, and similar places. W. Hoffmann. 1,762,987; June 10.
- Display device, Hosiery-. S. Gemeiner. 1,771,845; July 29.
- Display device, Package-. J. J. Scherotto. 1,752,655; Apr. 1.
- Display device, Picture-packet. B. Cherry. 1,772,338; Aug. 5.
- Display device, Translucency-. M. G. Blum. 1,746,578; Feb. 11.
- Display equipment. W. B. Morton and L. F. Beisner. 1,765,935; June 24.
- Display figure and making same. R. A. Freundlich. 1,751,273; Mar. 18.
- Display figure, Embossed. M. M. Levy and W. I. Smith. Des. 81,344; June 10.
- Display fixture. J. B. Auerbach. 1,775,151; Sept. 9.
- Display fixture. A. C. Scholz. 1,769,316; July 1.
- Display form. L. W. Reinhardt. 1,755,794; Apr. 22.
- Display fountain, Beverage-. H. L. Glaze and F. G. Stan-ford. 1,782,685; Nov. 25.
- Display fountain, Liquid-. F. G. Stanford and G. Baker. 1,782,944; Nov. 25.
- Display head. E. D. Kidd. Des. 81,244; May 27.
- Display heater. C. W. Mabey. 1,744,234; Jan. 21.
- Display-holding attachment. J. T. Bluff. 1,780,060; Oct. 28.
- Display insert. A. Fishman. 1,759,189; May 20.
- Display jar, Agitating. A. E. Repenning and C. J. Howel. 1,786,450; Dec. 30.
- Display machine. H. Armstrong. 1,755,761; Apr. 22.
- Display matter, Device for the production of apparently-moving. A. Abel. 1,787,334; Dec. 30.
- Display means, Poster-. C. M. Dabrohua. 1,765,057; June 17.
- Display means, Shadow-motion. A. B. Leech. 1,752,014; Mar. 25.
- Display mechanism, Information-. E. Eichenberger. 1,757,360; May 6.
- Display or advertising device. W. M. Barry. 1,750,986; Mar. 18.
- Display package for paper napkins or the like. R. W. Beach. 1,760,106; May 27.
- Display rack. A. C. Chappory, jr., and J. B. Posey. 1,767,433; June 24.
- Display rack. E. L. Des Jardins. 1,747,228; Feb. 18.
- Display rack. C. C. Ferris. 1,765,223; June 17.
- Display rack. W. T. Hormes. 1,752,595; Apr. 1.
- Display rack. W. C. Hornaday. 1,760,135; May 27.
- Display rack. J. C. Huffman. 1,752,985; Apr. 1.
- Display rack. V. H. Jones. 1,772,462; Aug. 12.
- Display rack. W. C. Kelly, G. T. Price, D. Bruce and G. L. Goeller. 1,776,471; Sept. 23.
- Display rack. M. D. Mendle. 1,763,247; June 10.
- Display rack. W. J. Neitzke. 1,747,642; Feb. 18.
- Display rack. W. Olsen. 1,769,232; July 1.
- Display rack. J. K. Reckford. 1,779,146; Oct. 21.
- Display rack. W. Rosengarten. 1,744,578; Jan. 21.
- Display rack. F. W. Teachout. 1,759,721; May 20.
- Display rack for ornamental tile. A. B. Coleman. 1,784,577; Dec. 9.
- Display rack, Fruit-. A. J. Geartts. 1,754,998; Apr. 15.
- Display rack, Hat-. J. Reichert. 1,747,951; Feb. 18.
- Display rack, Mobile. J. B. Pitts. 1,749,259; Mar. 4.
- Display rack, Newspaper-. A. K. Kilgore. 1,746,778; Feb. 11.
- Display rack, Portable. C. R. Seltzer. 1,755,615; Apr. 22.
- Display rack, Portable. C. R. Seltzer. 1,777,863; Oct. 7.
- Display rack, Rug-. D. R. Reed. 1,745,713; Feb. 4.
- Display rack, Shoe-. W. C. Pease. 1,745,706; Feb. 4.
- Display receptacle and individual container for toilet preparations, Combined. L. D. Mathias. Des. 80,281; Jan. 7.
- Display receptacle, Merchandise-. T. J. Viviano. Des. 80,340; Jan. 14.
- Display revolving stand. J. Hunyady. 1,755,477; Apr. 22.
- Display ring, Transparent. L. G. Nelson. 1,761,271; June 3.
- Display stand. R. A. Bartholdi. Des. 80,475; Feb. 11.
- Display stand. A. M. Borland, jr. 1,751,505; Mar. 25.
- Display stand. L. A. Danco. Des. 81,180; May 20.
- Display stand. M. G. Gibson. 1,760,131; May 27.
- Display stand. H. L. Griffith. 1,745,164; Jan. 28.
- Display stand. J. G. Huye. 1,767,134; June 24.
- Display stand. A. Kaufman. 1,769,140; July 1.
- Display stand. C. H. Kelsea. 1,771,126; July 22.
- Display stand. N. Kopp. Des. 81,654; July 22.
- Display stand. H. P. Lamar. 1,744,647; Jan. 21.
- Display stand. H. Marsh. Des. 82,098-9; Sept. 23.
- Display stand. H. Marsh. 1,747,981; Feb. 18.
- Display stand. M. D. Mendle. 1,762,185; June 10.
- Display stand. M. Metzger. 1,752,017; Mar. 25.
- Display stand. L. A. Nielsen. 1,764,413; June 17.
- Display stand. U. K. Pamperin. 1,775,945; Sept. 16.
- Display stand. R. D. Pryde. 1,761,088; June 3.
- Display stand. C. P. Rice. 1,758,976; May 20.
- Display stand. M. Tardy. 1,768,271; June 24.
- Display stand. J. B. Ward. 1,744,996; Jan. 28.
- Display stand. E. B. Weston. 1,779,788; Oct. 28.
- Display stand, Advertising. E. A. Born. 1,751,614; Mar. 25.
- Display stand, Advertising powder-puff. S. L. Pomer-antz. Des. 82,956; Dec. 30.
- Display stand, Collapsible. M. J. Marrits. 1,760,309; May 27.

- Display stand, Collapsible. M. J. Marrits. 1,771,264; July 22.
- Display stand, Dispenser. A. E. Repenning. Des. 81,503; July 1.
- Display stand, Ensemble. J. Brownstein. Des. 81,083-4; May 6.
- Display stand for elastic belts, Demonstrating. De W. Fox. 1,769,737; July 1.
- Display stand for grave vaults. B. C. Ladd. 1,746,355; Feb. 11.
- Display stand for merchandise and the like. J. Horwath. 1,776,071; Sept. 16.
- Display stand for packaged confections. E. W. Eckerly. 1,757,076; May 6.
- Display stand, Goods-vending. G. P. Grant. Des. 82,555; Nov. 18.
- Display stand, One-piece folding. H. Ziemmerman. 1,745,328; Jan. 28.
- Display stand, Revolving. C. Dumler. 1,782,257; Nov. 18.
- Display stand, Sanitary. E. C. Saemisch. 1,748,656; Feb. 25.
- Display stand, Tire-. E. Dymont. 1,780,381; Nov. 4.
- Display system, Electric-. J. P. Tarbox. 1,769,554; July 1.
- Display table. J. F. Huckel. Des. 80,532; Feb. 18.
- Display-tray system and trays therefor. D. B. William. 1,758,098; May 13.
- Displaying advertising, Machine for. T. S. S. Wagner. 1,747,746; Feb. 18.
- Displaying variable information, Indicating device for. A. Hinkel. 1,753,786; Apr. 8.
- Distillation. W. Gensecke. 1,771,561; July 29.
- Distillation. H. V. Welch. 1,768,179; June 24.
- Distillation apparatus. J. A. Gibb. 1,755,778; Apr. 22.
- Distillation apparatus. L. J. Simon. 1,787,399; Dec. 30.
- Distillation apparatus. D. T. Williams. 1,777,950; Oct. 7.
- Distillation apparatus. D. T. Williams. 1,778,177; Oct. 14.
- Distillation, Apparatus for dry. M. Kulzinski. 1,770,107; July 8.
- Distillation, Continuous. N. E. Loomis. 1,756,032; Apr. 29.
- Distillation, Fractional. R. B. Chillas, jr. Re17,595; Feb. 18.
- Distillation, Fractional. W. F. Stroud, jr., and R. B. Chillas, jr. 1,744,421; Jan. 21.
- Distillation of solid materials, Apparatus for the. C. P. Tolman. 1,773,893; Aug. 26.
- Distillation of vinasses under reduced pressure, Dry. J. Guilissen. 1,756,191; Apr. 29.
- Distillation or like column. A. Kuhn. 1,772,399; Aug. 5.
- Distillation, Process and apparatus for fractional. M. B. Cooke. 1,744,261; Jan. 21.
- Distillation, Process of and apparatus for destructive. R. H. Crozier. 1,759,821; May 20.
- Distiller's wash and other by-products and agricultural or industrial residue, Industrial process for the treatment of. M. Bernier, A. and C. F. Duriez, and H. Schotsmans. 1,747,538; Feb. 18.
- Distilling apparatus. W. S. Elliott. 1,782,959; Nov. 25.
- Distilling apparatus and method. E. O. Benjamin. 1,784,956; Dec. 16.
- Distilling material and cracking oil. F. T. Snyder. 1,781,934; Nov. 18.
- Distortion motor. M. A. Schwartz. 1,756,800; Apr. 29.
- Distributing apparatus. E. C. Umbreit. 1,750,552; Mar. 11.
- Distributing apparatus for cigarettes and other articles. F. Olivaux. 1,758,168; May 13.
- Distributing device. W. B. C. Washburn. 1,753,957; Apr. 8.
- Distributing machine. W. G. Coulter. 1,744,613; Jan. 21.
- Distributing machine. G. R. Webber. 1,777,269; Sept. 30.
- Distributing system. A. D. Pritchard. 1,765,447; June 24.
- Distribution box. J. Rah. 1,762,485; June 10.
- Distribution means for pulverulent material. C. Skentelbery and G. R. Alden. 1,754,124; Apr. 8.
- Distribution system. H. D. Brown. 1,760,580; May 27.
- Distribution system. E. F. Carter and H. E. Allen. 1,783,904; Dec. 2.
- Distribution system and sectionalizing switch therefor. Electrical. J. D. Wood. 1,769,560; July 1.
- Distributor. T. Greavu. 1,743,770; Jan. 14.
- Distributor. J. B. Harry. 1,745,297; Jan. 28.
- Distributor. L. B. Sauer. 1,778,836; Oct. 21.
- Distributor, Adjustable. V. V. McArtor. 1,777,930; Oct. 7.
- Distributor, Automatic ensilage. A. A. Sievert. 1,786,677; Dec. 30.
- Distributor for fertilizer and the like. D. L. Long. 1,778,424; Oct. 14.
- Distributor, Powder. C. M. Cobb. 1,776,489; Sept. 23.
- Ditch cleaner. J. W. Peck. 1,765,031; June 17.
- Ditch digger. J. B. Ruatti. 1,769,074; July 1.
- Ditch digger. F. N. Weber. 1,767,417; June 24.
- Ditch-digging machine. H. H. Barber. 1,762,568; June 10.
- Ditch-digging machine. C. H. Ruth. 1,782,478; Nov. 25.
- Ditch trimmer. J. M. Crom. 1,776,941; Sept. 30.
- Ditcher, Blind. H. I. Umbarger. 1,765,185; June 17.
- Ditcher back filler. A. E. Norris. 1,769,269; July 1.
- Ditcher guide. J. C. McClurkin. 1,779,101; Oct. 21.
- Ditchers, Extension wing for irrigation. R. C. Chattin. 1,777,689; Oct. 7.
- Ditching machine. H. H. Barber. 1,762,569; June 10.
- Ditching machine. A. Montano. 1,750,680; Mar. 18.
- Ditching machine. G. W. Stockton. 1,758,132; May 13.
- Ditching machines and the like, Bucket chain for. C. L. George. 1,760,489; May 27.
- Ditching machines, Dirt spreader for. G. F. Scheckler. 1,767,017; June 24.
- Dithio derivatives from aldehydes, Manufacture of. G. J. Leuck. 1,756,158; Apr. 29.
- Dithiophosphates, Making. C. J. Romieux and H. P. Wohnsiedler. 1,748,619; Feb. 25.
- Diverter for stenciling. J. C. Zubli. 1,745,076; Jan. 28.
- Dividing strip. R. W. Hardie. 1,785,028; Dec. 16.
- Diving apparatus. J. F. O'Rourke. 1,785,528; Dec. 16.
- Diving apparatus. G. Uhlig. 1,755,939; Apr. 22.
- Dobby finger and support. H. Marsh. 1,748,040; Feb. 18.
- Dobby heads, Attachment for reversible. W. M. Wattie. 1,786,687; Dec. 30.
- Dobby mechanism of looms for weaving. J. and H. R. Heatley. 1,770,778; July 15.
- Dock, Floating. R. B. De Long. 1,765,405; June 24.
- Dock for flying machines. H. Junkers. 1,751,639; Mar. 25.
- Documents transmitted by radio, Device for recording. E. Belin. 1,781,944; Nov. 18.
- Doffing device. O. F. Bledsoe, jr. 1,751,389; Mar. 18.
- Doffing mechanism for spinning, twisting, and like machines. J. P. Mackie. 1,752,678; Apr. 1.
- Dog pan. H. E. Hodgson. 1,773,141; Aug. 19.
- Dogging mechanism for sawmill carriages. F. E. Martin. 1,772,052; Aug. 5.
- Dog-racing apparatus. S. M. Pineles. 1,756,066; Apr. 29.
- Dog-racing apparatus. W. R. Twiford and G. Oehler. 1,755,676; Apr. 22.
- Doily. W. E. Jones. Des. 81,288; June 3.
- Doily. E. Karfiol. Des. 80,318; Jan. 14.
- Doily. E. Karfiol. Des. 80,841; Apr. 1.
- Doily. E. Karfiol. Des. 81,338-9; June 10.
- Doily. E. Karfiol. Des. 82,158-9; Sept. 30.
- Doll. C. C. Blair. Des. 82,656; Dec. 2.
- Doll. M. Frosali. Des. 81,973; Sept. 9.
- Doll. S. Gordon. Des. 81,786; Aug. 12.
- Doll. N. R. Herbison. 1,778,670; Oct. 14.
- Doll. L. Herman. 1,750,404; Mar. 11.
- Doll. H. S. Hopkins. Des. 81,191; May 20.
- Doll. M. M. Ivey. 1,754,558; Apr. 15.
- Doll. J. L. Kallus. Des. 80,766; Mar. 18.
- Doll. J. L. Kallus. 1,772,900; Aug. 12.
- Doll. L. L. McCall. Des. 82,843; Dec. 16.
- Doll. D. McNeill. Des. 80,803; Mar. 25.
- Doll. H. Ross. 80,742; Mar. 18.
- Doll. A. Stanley. Des. 81,763; Aug. 5.
- Doll. C. Stein and W. M. Heller. 1,753,032; Apr. 1.
- Doll. C. Stein and W. M. Heller. 1,768,334; June 24.
- Doll. V. D. Steineman. Des. 82,917; Dec. 23.
- Doll. L. Wallach. 1,746,568; Feb. 11.
- Doll. R. O. Wilson and C. O. Schuler. 1,785,800; Dec. 23.
- Doll, Advertising. J. L. Kallus. Des. 82,826; Dec. 16.
- Doll, Candy. M. C. Knapp. Des. 81,245; May 27.
- Doll, Corn-shuck. M. C. Revis. Des. 81,460-1; June 24.
- Doll, Dancing. P. B. Penkoff. Des. 81,500; July 1.
- Doll-eye mounting. A. Konoff and S. Marcus. 1,779,943; Oct. 28.
- Doll eyes. S. Marcus. 1,787,572; Dec. 30.
- Doll eyes. J. H. Wilhelm. 1,786,588; Dec. 30.
- Doll eyes, Producing. A. Konoff. 1,769,582; July 1.
- Doll figure. F. Keeler. Des. 80,732-3; Mar. 18.
- Doll head or similar article. A. Gramlich. Des. 80,481; Feb. 11.
- Doll-head structure. S. Marcus. 1,785,781; Dec. 23.
- Doll kitchen. L. Dillinger. Des. 80,409; Jan. 28.
- Doll, Novelty. Z. B. Fitchner. Des. 80,939; Apr. 15.
- Doll or similar article. A. Gramlich. Des. 81,638; July 22.
- Doll, Rag. V. D. Ayres. Des. 81,123; May 13.
- Dolls and like toys, Eye set for. S. Marcus and A. Konoff. 1,784,531; Dec. 9.
- Dolls and the like, Tongue and teeth set for. S. Marcus. 1,782,433; Nov. 25.
- Doll's carriage and sound-producing means, Combined. L. Marx. 1,751,047; Mar. 18.
- Doll's cradle and sound-producing means, Combined. L. Marx. 1,749,081; Mar. 4.
- Dolls, Eyelashes for. V. Keney. 1,763,930; June 17.
- Dolls, Eye mounting for. L. J. Grubman. 1,784,519-20; Dec. 9.
- Doll's eyes. G. W. Janicik. 1,771,891; July 29.
- Dolls' eyes to dolls' heads, Attaching. I. A. Rommer. 1,760,002; May 27.
- Dolls' heads, Mouth equipment for. S. Marcus and A. Konoff. 1,787,207; Dec. 30.
- Dolls, Making artificial eyes for. L. J. Grubman. 1,768,192; May 13.
- Dolls, Movable eye for. A. A. Gerling. 1,746,112; Feb. 4.
- Dolls, Twin. E. S. Parson. Des. 80,739; Mar. 18.
- Dolly. W. Ferguson. 1,746,076-7; Feb. 4.
- Dolly. L. Stearman. 1,754,407; Apr. 15.
- Dolly, Air-return. J. Ditson and A. E. Peters. 1,747,164; Feb. 18.
- Dolomite and other carbonates of magnesium, Treatment of. J. Blumenfeld. 1,778,659; Oct. 14.
- Domestic appliance. R. L. Lee. 1,755,481; Apr. 22.

- Domestic appliance. R. L. Lee. 1,758,161; May 13.
 Domestic appliance. R. L. Lee. 1,759,947; May 27.
 Domestic appliance. R. L. Lee. 1,768,616-17; July 1.
 Door. D. C. Bakehouse. 1,787,302; Dec. 30.
 Door. F. C. Heinen and W. W. Darrow. 1,768,060; June 24.
 Door. B. B. Kahn. 1,786,429; Dec. 30.
 Door. H. C. Rusch. 1,767,703; June 24.
 Door. B. B. Whittam. 1,769,979; July 8.
 Door and frame gauge. J. H. Hobbs. 1,778,496; Oct. 14.
 Door and lintel for silos. A. I. Anderson. 1,749,687; Mar. 4.
 Door and mirror frame, Cabinet. E. A. Smith. 1,750,366; Mar. 11.
 Door and the like. E. Kenyon. 1,770,702; July 15.
 Door and the like. S. S. Thomas. 1,765,036; June 17.
 Door and wall bed, Combination. A. L. Jones. 1,769,224; July 1.
 Door attachment. G. W. Ackerman. 1,749,055; Mar. 4.
 Door, Automatic. A. K. Baker. 1,767,271; June 24.
 Door, Automatic. G. D. Hall. 1,767,448; June 24.
 Door, Automatic. A. W. Kohl. 1,744,641; Jan. 21.
 Door, Automobile. J. Ledwinka. Des. 81,710; July 29.
 Doorbolt. W. D. Ferris. 1,763,694; June 17.
 Door, Box-car. J. Holderness. 1,761,301; June 3.
 Door, Box-car. E. R. Viberg. 1,746,749; Feb. 11.
 Door brace, Garage. P. Tishken. 1,773,209; Aug. 19.
 Door bumper. C. W. Kelly. 1,775,645; Sept. 16.
 Door, Burglarproof. S. M. Weinstein. 1,749,237; Mar. 4.
 Door, Car. A. S. Barrows. 1,748,942; Mar. 4.
 Door, Car. A. S. Barrows. 1,752,286; Apr. 1.
 Door, Car. G. B. Dorey. 1,756,455; Apr. 29.
 Door, Car. C. E. Eklind and K. J. Tobin. 1,745,846; Feb. 4.
 Door catch, Safety. S. E. Steventon and D. H. Wiggs. 1,775,786; Sept. 16.
 Doorcheck. B. E. Byrd. 1,766,011; June 24.
 Doorcheck. M. L. Dodge. 1,787,147; Dec. 30.
 Doorcheck. A. C. Earhart. 1,749,573; Mar. 4.
 Doorcheck. F. K. Eastman. 1,752,423; Apr. 1.
 Doorcheck. F. K. Eastman. 1,755,288; Apr. 22.
 Doorcheck. P. J. Harrah and J. H. Pearson. 1,769,289; July 1.
 Doorcheck. W. F. Hendry. 1,759,846; May 27.
 Doorcheck. J. J. R. W., and G. Jones. 1,769,514; July 1.
 Doorcheck. D. R. Lasier. 1,753,214; Apr. 8.
 Doorcheck. D. L. Moore. 1,743,678; Jan. 14.
 Doorcheck. H. G. Simmons. 1,757,261; May 6.
 Doorcheck. J. Weiss. 1,780,662; Nov. 4.
 Doorcheck, Automobile. J. J. Moore. 1,742,820; Jan. 7.
 Doorcheck bracket. S. M. Nedesky. Des. 80,285; Jan. 7.
 Doorcheck for railroad cars. M. P. McLaughlin. 1,771,184; July 22.
 Door check or stop. A. C. Earhart. 1,757,075; May 6.
 Door-cleaning apparatus. J. McIntosh. 1,759,014; May 20.
 Door closer. R. S. Potter. 1,763,323; June 10.
 Door closer and check. F. C. Garrison. 1,773,988; Aug. 26.
 Door closer and check. P. Lang. 1,743,360; Jan. 14.
 Door closer and electric interlock with zone-control device. P. Lang. 1,748,233; Feb. 25.
 Door closer, Automatic. H. W. Shonnard. 1,786,782; Dec. 30.
 Door closer, Garage. K. A. Brauning. 1,775,931; Sept. 16.
 Door closer, Pneumatic. H. J. Leberherz. 1,759,649; May 20.
 Door-closing device. C. C. Cox. 1,775,849; Sept. 16.
 Door-closing device. J. Eaton. 1,780,673; Nov. 4.
 Door-closing mechanism. C. C. Tomkinson and H. P. Van Cleave. 1,768,722; July 1.
 Door, Coke-oven. L. Wilputte. 1,745,390; Feb. 4.
 Door, Combination. D. J. Benoit. 1,771,569; July 29.
 Door, Compound. G. King and F. A. Howard. 1,771,380; July 22.
 Door construction. H. J. Ferris. 1,774,877; Sept. 2.
 Door construction. W. Marshall. 1,744,051; Jan. 21.
 Door construction. C. Morgana. 1,751,746; Mar. 25.
 Door construction. A. Wasberg and K. J. Tobin. 1,746,569; Feb. 11.
 Door construction. G. R. Zellmer. 1,778,443; Oct. 14.
 Door construction, Charging. T. W. Stone. 1,748,316; Feb. 25.
 Door construction for railway cars and locking means therefor. End. E. R. Schulz. 1,760,173; May 27.
 Door construction for stove casings. C. L. Gohmann. 1,754,096; Apr. 8.
 Door construction, Garage. W. D. Ferris. 1,777,485; Oct. 7.
 Door construction, Garage. W. D. Ferris. 1,783,378; Dec. 2.
 Door construction, Garage. W. D. Ferris. 1,787,238; Dec. 30.
 Door construction, House-car. F. Ditchfield. 1,752,334; Apr. 1.
 Door construction, Overhead. D. A. Wilson. 1,747,206; Feb. 18.
 Door construction, Refrigerator. H. D. Geyer. 1,753,567; Apr. 8.
 Door construction, Side. K. J. Tobin and W. W. Darrow. Re17,812; Sept. 23.
 Door construction, Wood. C. W. Coleman. 1,769,985; July 8.
 Door-control apparatus. R. Hill. 1,782,040; Nov. 18.
 Door-control apparatus. R. Hill. 1,787,073; Dec. 30.
 Door-control device. J. C. McCune. 1,742,407; Jan. 7.
 Door-counterbalancing means. G. E. Pickup. 1,745,709; Feb. 4.
 Door device, Car. W. E. Wine. 1,755,529; Apr. 22.
 Door, Double overhead. C. G. Johnson. 1,784,292; Dec. 9.
 Door dovetail. F. W. Beyer. 1,746,849; Feb. 11.
 Door, Elevator. J. W. Peelle. 1,763,858; June 17.
 Door, Elevator. R. S. Peelle. 1,763,860; June 17.
 Door, Elevator. J. A. Schweig. 1,771,102; July 22.
 Door engine. J. M. Dapron. 1,744,069; Jan. 21.
 Door engine, Constant-speed. P. R. Forman. 1,772,773; Aug. 12.
 Door expander. R. S. Heise. 1,755,691; Apr. 22.
 Door fastener, Railway-car. J. A. Hicks. 1,744,118; Jan. 21.
 Door, Fire-box. J. G. Robinson. 1,765,740-1; June 24.
 Door, Fireproof. I. Siegel. 1,769,757; July 1.
 Door, Folding. E. J. G. Phillips. 1,764,976; June 17.
 Door, Folding. E. J. G. Phillips. 1,768,267; June 24.
 Door for automobile bodies. J. Ledwinka. Re17,623; Mar. 18.
 Door for garages and the like, Overhead swingable. O. L. Dautrick. 1,757,955; May 13.
 Door for hangars and other structures. A. Rush. 1,784,948; Dec. 16.
 Door for radiant gas heaters. A. F. Thompson. 1,753,673; Apr. 8.
 Door for railway hopper cars. G. G. Gilpin. 1,786,747; Dec. 30.
 Door for silos. L. D. Houghtaling. 1,750,600; Mar. 11.
 Door for switchboards, Safety. H. Gross. 1,774,265; Aug. 26.
 Door for vehicle bodies, Rear. J. R. Scherer. 1,753,907; Apr. 8.
 Door for vehicles. E. C. G. England. 1,754,226; Apr. 15.
 Door for vehicles for removing house refuse. P. Schubert. 1,753,135; Apr. 1.
 Door for washer drums. H. Prothers. 1,751,946; Mar. 25.
 Doorframe. I. A. Baum. 1,785,174; Dec. 16.
 Doorframe. W. W. Herring. 1,748,766; Feb. 25.
 Door frame, Adjustable. H. R. Grable. 1,775,720; Sept. 16.
 Door frame, Hopper-car. W. E. Wine. Re17,806; Sept. 16.
 Door frame, Refrigerator. G. W. Frick. 1,783,235; Dec. 2.
 Door, Freight-car. B. J. Baskerville. 1,744,152; Jan. 21.
 Door, Furnace. E. Williams. Re17,864; Nov. 11.
 Door, Garage. B. B. Hoover. 1,750,042; Mar. 11.
 Door, Grain. F. Fuller and O. Brand. 1,744,160; Jan. 21.
 Door, Grain-car. J. Siemsen. 1,749,163; Mar. 4.
 Door guide, Automobile. T. A. Mealia. 1,766,183; June 24.
 Door handle. J. L. Brownell. Des. 82,598; Nov. 25.
 Door handle. G. J. Haan. 1,779,431; Oct. 28.
 Door handle. C. B. Lowe. 1,779,438; Oct. 28.
 Door handle. W. Schnell and D. E. Lemm. Des. 80,332; Jan. 14.
 Door handle for vehicles, Outside. S. J. Fox. 1,744,957; Jan. 28.
 Door handle or similar article for an automotive vehicle. W. Schnell. Des. 81,026; Apr. 22.
 Door handle or similar article, Motor-vehicle. W. Schnell. Des. 81,465-6; June 24.
 Door handle or similar article, Motor-vehicle. W. Schnell. Des. 81,760-1; Aug. 5.
 Door hanger. F. A. Lamm. 1,761,215; June 3.
 Door hanger, Garage. C. H. Schneider. 1,773,634; Aug. 19.
 Door hanger, Sliding. J. Paeyna and J. Antosz. 1,775,827; Sept. 16.
 Door hanger, Sliding. B. Rowntree. 1,784,910; Dec. 16.
 Door, Heater. J. H. Sandell. Des. 80,855; Apr. 1.
 Door, Hinged. M. Mariño. 1,775,681; Sept. 16.
 Door-holding device. F. O. Erickson. 1,770,202; July 8.
 Door-holding device. J. P. Grimley. 1,782,816; Nov. 25.
 Door-holding device. F. J. Yachyra. 1,764,590; June 17.
 Door-holding means. D. R. Lasier. 1,749,979; Mar. 11.
 Door, House-car end. K. J. Tobin. 1,746,917; Feb. 11.
 Door, Inspection and clean-out. D. L. Feltbam. 1,747,292; Feb. 18.
 Door interlock, Electric elevator. R. C. Green. 1,756,738; Apr. 29.
 Door-interlocking device. J. C. McCune. 1,778,117; Oct. 14.
 Door, Kalamain. W. W. MacGruder. 1,771,304; July 22.
 Doorkeeper, Automatic. N. Rassier. 1,779,752; Oct. 28.
 Doorknob. E. Ellingson. 1,744,458; Jan. 21.
 Doorknob. H. L. Evans. 1,742,952; Jan. 7.
 Doorknob. E. W. Lowes. 1,762,447; June 10.
 Doorknob attachment. M. McDonald. 1,756,871; Apr. 29.
 Doorknob, Sanitary. B. Polcari. 1,783,097; Nov. 25.
 Door knocker. E. C. Aldrich. Des. 81,269; June 3.
 Door knocker and switch, Combined. C. C. Case, Jr. 1,743,597; Jan. 14.
 Doorlatch. S. J. Habicht. 1,783,785; Dec. 2.
 Door-latch striker. F. J. McGuinness. 1,782,071; Nov. 18.
 Door-latch unit. F. D. Grund. 1,775,818; Sept. 16.
 Door lifter. S. J. Jacobsmeier. 1,771,121; July 22.
 Door-lifting means. A. Wasberg and K. J. Tobin. 1,750,653; Mar. 18.
 Door-lock. G. C. Georgison. 1,776,945; Sept. 30.

- Door lock. J. W. Hall. 1,770,751; July 15.
 Door lock. J. Holtzman. 1,787,272; Dec. 30.
 Door lock. C. P. Nelson. 1,754,396; Apr. 15.
 Door lock. H. O. Rivers. 1,770,864; July 15.
 Door lock. J. A. Rymer. 1,769,166; July 1.
 Door lock. J. A. Rymer. 1,769,314; July 1.
 Doorlock. C. D. Sarkisian. 1,764,807; June 17.
 Door lock. W. R. Schlage. 1,751,101; Mar. 18.
 Door lock. F. J. Van Dooren. 1,777,776; Oct. 7.
 Door lock. A. Wodarra. 1,751,184; Mar. 18.
 Door lock, Coin-controlled. J. E. Olvis. 1,751,288; Mar. 18.
 Door-locking device for demountable bodies. B. F. Fitch. 1,773,982; Aug. 26.
 Door-locking mechanism for coke-quenching cars. E. W. Schellentrager. 1,755,077; Apr. 15.
 Door mechanism. A. N. Otis. 1,752,806; Apr. 1.
 Door mechanism. C. C. Tomkinson. 1,754,841; Apr. 15.
 Door mechanism, Car-. W. E. Wine. 1,757,893; May 6.
 Door mechanism, Car-. W. E. Wine. 1,758,591; May 13.
 Door mechanism, Car-. W. E. Wine. 1,768,227; June 24.
 Door mechanism, Car-. W. E. Wine. 1,768,302; June 24.
 Door mechanism, Car. W. E. Wine. 1,777,596; Oct. 7.
 Door mechanism, Elevator-. A. J. Rosentreter. 1,751,058; Mar. 18.
 Door mechanism for railway cars. W. E. Wine and B. W. Kadel. 1,751,183; Mar. 18.
 Door mechanism for railway cars. W. E. Wine. 1,759,677; May 20.
 Door mechanism, Garage-. E. E. Gustavson. 1,774,484; Aug. 26.
 Door mechanism, Yielding. H. F. Flowers. 1,749,530; Mar. 4.
 Door, Metal. G. C. Bishop. 1,748,103; Feb. 25.
 Door, Metal. G. C. Bishop. 1,748,167; Feb. 25.
 Door, Metal. H. A. Stevens. 1,748,195; Feb. 25.
 Door, Metal car. F. C. Heinen and W. W. Darrow. 1,753,375; Apr. 8.
 Door, Metallic car. A. S. Barrows. 1,762,151; June 10.
 Door, Mine. A. J. Gurney. 1,748,448; Feb. 25.
 Door motor device. P. R. Forman. 1,748,509; Feb. 25.
 Door mount, Cabinet. E. V. Hughes. 1,775,491; Sept. 9.
 Door mounting. W. P. Huebner. 1,771,041; July 22.
 Door mounting. A. M. Smith. 1,778,434; Oct. 14.
 Door mounting for cabinets and the like. L. E. Bates. 1,776,648; Sept. 23.
 Door of molded asphalt composition, Refrigerator. H. D. Geyer. 1,749,336; Mar. 4.
 Door opener. J. A. Hemrich. 1,775,093; Sept. 9.
 Door opener, Automatic. W. Sykes. 1,773,124; Aug. 19.
 Door opener, Box-car-. S. P. Stark. 1,743,248; Jan. 14.
 Door opener for box cars. S. P. Stark. 1,743,249; Jan. 14.
 Door opener, Furnace-. A. Bandow. 1,764,142; June 17.
 Door opener, Garage-. R. V. Morse. 1,755,788; Apr. 22.
 Door opening and closing mechanism. H. C. Miller. 1,769,185; July 1.
 Door-opening device. W. Miller. 1,784,374; Dec. 9.
 Door opening for railway cars, Convertible side-. C. J. Ellis. 1,751,802; Mar. 25.
 Door-operated signal. C. Tillberg. 1,783,267; Dec. 2.
 Door operating and locking mechanism. A. Perlman. 1,781,297; Nov. 11.
 Door operating and pusher machine, Coke oven. G. H. Niles. 1,779,443; Oct. 28.
 Door-operating apparatus, Elevator-. G. L. Allen. 1,782,223; Nov. 18.
 Door-operating device. E. Krohn and V. A. Lillquist. 1,753,272; Apr. 8.
 Door-operating device. I. E. Morrow. 1,781,594; Nov. 11.
 Door-operating device. G. Tucker. 1,768,173; June 24.
 Door-operating device for stoves and furnaces. C. L. Gohmann. 1,754,095; Apr. 8.
 Door-operating means for elevators. F. A. Boedtcher. 1,746,850; Feb. 11.
 Door-operating mechanism. H. G. Ainsworth. 1,783,354; Dec. 2.
 Door-operating mechanism. H. T. Black. 1,782,982; Nov. 25.
 Door-operating mechanism. J. A. Brubaker. 1,744,823; Jan. 28.
 Door-operating mechanism. F. P. Crowley. 1,761,008; June 3.
 Door-operating mechanism. P. R. Dobson. 1,746,341; Feb. 11.
 Door-operating mechanism. A. C. Farr. 1,753,083; Apr. 1.
 Door-operating mechanism. S. B. Haseltine. 1,747,511; Feb. 18.
 Door-operating mechanism. S. B. Haseltine. 1,755,580-1; Apr. 22.
 Door-operating mechanism. S. B. Haseltine. 1,761,208; June 3.
 Door-operating mechanism. S. B. Haseltine. 1,764,443; June 17.
 Door-operating mechanism. M. Johnsen and F. C. Holling. 1,771,637; July 29.
 Door-operating mechanism. P. Lang. 1,754,563; Apr. 15.
 Door-operating mechanism. L. Meyer. 1,781,694; Nov. 18.
 Door-operating mechanism. F. L. Morse. 1,777,526; Oct. 7.
 Door-operating mechanism. G. M. Schantz. 1,760,528; May 27.
 Door-operating mechanism. K. J. Tobin. 1,748,257; Feb. 25.
 Door-operating mechanism, Bucket. G. E. Webb. 1,770,054; July 8.
 Door-operating mechanism, Electric. L. P. Hynes. 1,760,063; May 27.
 Door-operating mechanism, Elevator-. W. B. Crowell. 1,745,357; Feb. 4.
 Door-operating mechanism for mixing machines. A. C. Christensen. 1,771,398; July 29.
 Door-operating mechanism, Remote-controlled. G. A. Crosman. 1,760,298; May 27.
 Door operation, Car-. L. P. Hynes. 1,760,062; May 27.
 Door operator, Garage-. A. Herr. 1,753,340; Apr. 8.
 Door operator, Prison-. J. B. Strauss. 1,757,751; May 6.
 Door or gate operating device. E. R. Turner. 1,755,904; Apr. 22.
 Door or gate operating mechanism. J. O. Barrett. 1,759,293; May 20.
 Door or window screen, Automobile. L. H. Nicholson. 1,782,173; Nov. 18.
 Door, Oven. W. Moll. 1,782,739; Nov. 25.
 Door-peep-hole frame. L. Day. Des. 81,867; Aug. 26.
 Door plate. H. Hoff. Des. 81,834; Aug. 19.
 Door, Power-actuated. F. L. Morse. 1,747,178; Feb. 18.
 Door, Pressed metal vehicle. J. Ledwinka. 1,774,020; Aug. 26.
 Door pull. O. E. Uhlmann. Des. 82,402-3; Oct. 28.
 Door, Railway-car hopper. G. G. Gilpin. 1,781,454; Nov. 11.
 Door, Railway-car side. G. E. Coutant. 1,775,848; Sept. 16.
 Door-reinforcing device. C. J. Anderson. 1,778,013; Oct. 14.
 Door, Refrigerator. C. C. Spreen. 1,753,952; Apr. 8.
 Door, Refrigerator-display-case. C. V. Hill. 1,769,951; July 8.
 Door release, Electric. A. Herz. 1,772,604; Aug. 12.
 Door, Sealing. W. H. D'Ardenne. 1,753,774; Apr. 8.
 Door-securing device. E. Ellingson. 1,744,456; Jan. 21.
 Door-securing device. J. R. MacKinnon. 1,773,233; Aug. 19.
 Door, Silo. E. F. Zuber and F. A. Dowling. 1,783,992; Dec. 9.
 Door, Slidable. J. P. McWilliams. 1,742,408; Jan. 7.
 Door stay. C. F. Sponsler. 1,754,579; Apr. 15.
 Doorstop. J. W. Barnett. Des. 82,654; Dec. 2.
 Doorstop. C. Tuteur. Des. 82,405; Oct. 28.
 Doorstop. C. Verch. 1,776,305; Sept. 23.
 Door stop and holder. H. E. Hubbs and L. D. Malone. 1,763,238; June 10.
 Doorstop or the like. L. J. Laroche. Des. 82,682; Dec. 2.
 Door structure or the like, Metallic. J. P. Pearson. 1,750,428; Mar. 11.
 Door structure, Sliding. L. A. Bittorf. 1,777,136; Sept. 30.
 Door, Supplemental. A. Smith. 1,777,901; Oct. 7.
 Door tumbler lock, Jail-. J. T. Whitehouse. 1,773,332; Aug. 19.
 Door, Vehicle. G. E. Grimm. 1,759,193; May 20.
 Door, Vehicle-operated garage. J. Tenbrook. 1,760,023; May 27.
 Door, Vending-machine. C. W. Musser. Des. 82,105; Sept. 23.
 Door viewer. H. Spector. Des. 80,866; Apr. 1.
 Door, Warehouse. R. S. Peelle. 1,749,985; Mar. 11.
 Door, Warehouse. R. S. Peelle. 1,763,859; June 17.
 Door with hinge. A. F. Wasmuth. 1,785,661; Dec. 16.
 Doors and door frames, Attachment for. G. Solms, jr. 1,775,974; Sept. 16.
 Doors and locks, Master control system for cell. D. F. Youngblood. 1,785,471; Dec. 16.
 Doors and locks, Master operating mechanism for cell. D. F. Youngblood. 1,785,470; Dec. 16.
 Doors and the like, Adjustable tightening device for. G. Wagner, F. Funke, and R. Heymanns. 1,751,373; Mar. 18.
 Doors and the like, Automatic stopping and reversal of electromechanically-operated. H. B. Goldman. 1,745,990; Feb. 4.
 Doors and the like, Operating means for. H. D. Colman and D. J. Stewart. 1,773,219; Aug. 19.
 Doors, Apparatus for automatically closing and locking safe. C. F. Wolters and C. Shulte. 1,749,203; Mar. 4.
 Doors, Assembly of pressed-metal automobile. J. Ledwinka. 1,773,818; Aug. 26.
 Doors, Device for operating double sliding. P. R. Forman. 1,743,812; Jan. 14.
 Doors, Indicating device for locker. W. J. Dobkin. 1,777,296; Oct. 7.
 Doors of drum weirs, Mechanism for operating swing-ing. F. Duwe. 1,777,404; Oct. 7.
 Doors, Operating device for coke-oven. H. Petsch. 1,772,402; Aug. 5.
 Doors, Operating mechanism for box cars. S. P. Stark. 1,743,247; Jan. 14.
 Doors, Operating mechanism for mine. A. J. Gurney. 1,748,447; Feb. 25.
 Doors or gates for mining and other purposes, Control of. L. B. Child and A. G. Kershaw. 1,778,661; Oct. 14.
 Doors, Speaking attachment for. G. W. Ackerman. Des. 82,240; Oct. 14.
 Dot-filling retainer. L. E. Monroe. 1,759,518; May 20.
 Double-screw jack. A. L. Johnson. 1,759,621; May 20.
 Double-throw switch. C. L. Bugbee. 1,778,209; Oct. 14.
 Double-throw switch. H. J. Hammerly. 1,785,192; Dec. 16.

- Double-wall pipe. W. T. Truax. 1,769,322; July 1.
 Dough, Apparatus for handling. J. C. Gordon. 1,750,002; Mar. 11.
 Dough-batch feeder and the like. C. E. Carpenter. 1,776,780; Sept. 30.
 Dough brake. F. M. Aldrich and C. L. Hansen. 1,760,185; May 27.
 Dough-cutting machine. T. Piekos. 1,753,217; Apr. 8.
 Dough-cutting machine and the like. J. C. Paterson. 1,763,320; June 10.
 Dough divider. H. Devlin. 1,763,345; June 10.
 Dough divider. W. G. Kirchhoff. 1,778,218; Oct. 14.
 Dough divider. F. Streich. 1,757,099; May 6.
 Dough divider and rounder. F. H. Van Houten. 1,764,586; June 17.
 Dough dividing and working machine, Automatic. O. Kremmling. 1,782,006; Nov. 18.
 Dough-dividing apparatus. F. H. Van Houten. 1,784,559; Dec. 9.
 Dough-dividing machine. A. Mairich. 1,742,774; Jan. 7.
 Dough-dividing machine. J. E. Pointon and L. S. Harber. 1,763,322; June 10.
 Dough dividing and working machine. G. Rausch. 1,766,943; June 24.
 Dough-handling apparatus. F. H. Van Houten. 1,770,222; July 8.
 Dough into cakes, Method and device for dividing bread. E. Pensotti. 1,777,178; Sept. 30.
 Dough-kneading machine. R. Sartor. 1,759,137; May 20.
 Dough, Method of and machine for working pieces of. O. Kremmling. 1,761,399; June 3.
 Dough mixer. W. Guethler. 1,746,892; Feb. 11.
 Dough mixer. W. G. Kirchhoff. 1,778,363; Oct. 14.
 Dough mixer and breaker. H. G. Fain. 1,750,710; Mar. 18.
 Dough, Mixing. J. M. Van Houten. 1,759,289; May 20.
 Dough mixing and kneading machine. F. Aeschbach. 1,770,292; July 8.
 Dough-mixing apparatus. J. M. Van Houten. 1,759,290; May 20.
 Dough-molding machine. L. S. Harber. 1,781,546; Nov. 11.
 Dough-molding machine. L. S. Harber and J. E. Pointon. 1,757,306; May 6.
 Dough-molding machine. R. Male. 1,755,963; Apr. 22.
 Dough-molding machine. E. T. Parsons. 1,745,228; Jan. 28.
 Dough-molding machine. F. H. Van Houten. 1,753,393; Apr. 8.
 Doughnut machine and the like. C. E. Carpenter. 1,747,503; Feb. 18.
 Doughnut machine and the like. C. E. Carpenter. 1,776,781; Sept. 30.
 Dough-sheeting machine. T. L. Green. 1,762,268; June 10.
 Dough-working device. W. E. Broeg. 1,746,521; Feb. 11.
 Dowel. G. Sergeeff. 1,767,019; June 24.
 Dowel for concrete structures. B. Briody. 1,752,327; Apr. 1.
 Dowel pin and mortise lock. J. R. Gilpin. 1,776,500; Sept. 23.
 Dowel-pin construction. M. T. Ruddy. 1,749,547; Mar. 4.
 Down-draft heater. S. N. Coates. 1,748,208; Feb. 25.
 Downer or diaphragm for motion-picture apparatus. A. Dina. 1,755,175; Apr. 22.
 Draft arm for a soda fountain. D. C. Seitz. Des. 82,630; Nov. 25.
 Draft arrangement for spinning flax, jute, and similia. fiber, Double. G. P. Wershinin. 1,766,864; June 24.
 Draft attachment, Auxiliary. W. A. Noel. 1,749,839; Mar. 11.
 Draft attachment for vehicles. G. Adkins. 1,770,291; July 8.
 Draft bar for cotton-picking machines. J. P. Dagenhart. 1,774,132; Aug. 26.
 Draft connector. L. E. Conner. 1,744,612; Jan. 21.
 Draft control for furnaces, Automatic. F. Davison. 1,769,497; July 1.
 Draft equalizer, Animal. P. M. Hodge. 1,766,384; June 24.
 Draft excluder. F. Fuchs and A. Štěpán. 1,774,642; Sept. 2.
 Draft-key cotter. D. S. Barrows. 1,775,884; Sept. 16.
 Draft mechanism. C. T. Ray. 1,764,086; June 17.
 Draft member. M. H. Martin. 1,786,914; Dec. 30.
 Draft-producing device, Forced-. J. W. Bragstad. 1,776,777; Sept. 30.
 Draft-producing device, Forced-. J. W. Bragstad. 1,776,805; Sept. 30.
 Draft-regulating appliance for furnaces. A. J. Reed. 1,700,760; July 15.
 Draft regulator, Automatic. C. J. Ashley. 1,786,931; Dec. 30.
 Draft regulator, Pneumatic. W. J. Cook. 1,770,588; July 15.
 Draft rigging. C. Hankins. 1,772,830; Aug. 12.
 Draft rigging. D. S. Barrows. 1,761,171; June 3.
 Draft rigging. D. S. Barrows. 1,786,419; Dec. 30.
 Draft rigging. B. W. Kadel. 1,758,285; May 13.
 Draft rigging, Railway. E. H. Lehman. 1,763,974; June 17.
 Draft stabilizer. E. A. and E. A. Field, jr. 1,783,418; Dec. 2.
 Drafting board. M. M. Harding. 1,756,289; Apr. 29.
 Drafting implement. T. P. Leaman. 1,759,989; May 27.
 Drafting instrument, Proportioning. T. J. Soth. 1,771,903; July 29.
 Drafting instrument. A. G. Sanden. 1,755,024; Apr. 15.
 Drafting machine. W. S. Harmon. 1,746,830; Feb. 11.
 Drafting outfit. W. E. White. 1,753,760; Apr. 8.
 Drag, Body. T. J. Dilworth. 1,758,149; May 13.
 Drag conveyer, Universal. F. Griffith. 1,786,343; Dec. 23.
 Drag for automobiles, Nonskid. L. C. Jones. 1,745,098; Jan. 28.
 Drag for recovering dead bodies and the like. G. R. McAlpine. 1,753,468; Apr. 8.
 Drag-line fair lead. R. L. Brown. 1,767,737; June 24.
 Drag link. J. W. Frazier. 1,773,986; Aug. 26.
 Drag-link connection. E. G. Sprung. 1,747,741; Feb. 18.
 Drag, Rotary road. C. B. Schertz. 1,747,955; Feb. 18.
 Drag to the spinning bobbins in dyer spinning and like frames, Applying. H. A. Boyd. 1,763,752; June 17.
 Drain, Adjustable floor. A. Hess. 1,779,936; Oct. 28.
 Drain, Automatic. J. J. Hennessy. 1,748,982; Mar. 4.
 Drain board. F. Geiger. 1,785,771; Dec. 23.
 Drain connection. E. F. Niedecken. 1,786,771; Dec. 30.
 Drain fitting. W. S. Fleming. 1,749,878; Mar. 11.
 Drain fitting, Convertible. W. S. Fleming. 1,766,621; June 24.
 Drain, floor. E. W. N. Boosey. 1,786,558; Dec. 30.
 Drain for window screens, Rain. E. A. Malm. 1,780,492; Nov. 4.
 Drain outlets, Device for flushing. L. N. Hitchcock. 1,769,061; July 1.
 Drain pan. H. Warman. 1,742,886; Jan. 7.
 Drain pipes, Apparatus for cleaning out. J. C. Miller. 1,783,256; Dec. 2.
 Drain protector. G. B. Grosjean. 1,783,082; Nov. 25.
 Drain, Removable overflow. A. Killander. 1,779,256; Oct. 21.
 Drain, Roof. J. C. Cromwell. 1,753,262; Apr. 8.
 Drain trap. J. E. Ehret. 1,760,126; May 27.
 Drain trap. W. B. Nance. 1,751,877; Mar. 25.
 Drainage apparatus for floating roofs. O. A. Balley. 1,761,700; June 3.
 Drainage control. J. M. Barrett. 1,754,781; Apr. 15.
 Drainage control. F. M. Bosworth. 1,778,581; Oct. 14.
 Drainage fitting. E. W. N. Boosey. 1,786,597; Dec. 30.
 Drainage system. E. Murrey. 1,760,314; May 27.
 Drainer. A. A. Morris. 1,763,174; June 10.
 Drainer. W. A. Muller. 1,760,205; May 27.
 Draining mechanism, Tub-. J. G. Fehn. 1,744,376; Jan. 21.
 Drainpipes, Headwall for. M. L. Sullivan. 1,760,380; May 27.
 Draperies, etc., Device for displaying. L. Holder. 1,744,635; Jan. 21.
 Drapery. J. C. Olsen. 1,773,007; Aug. 12.
 Drapery. S. C. Shulman. 1,776,047; Sept. 16.
 Drapery hanger. E. S. Lee. 1,776,631; Sept. 23.
 Drapery hook. W. Blome. 1,746,232; Feb. 11.
 Drapery hook. B. B. Fick. 1,750,513; Mar. 11.
 Drapery pole end. W. A. Blake. Des. 80,719; Mar. 18.
 Drapery rod. R. N. McClure. 1,785,838; Dec. 23.
 Drapery-rod centerpiece. A. Geiges. Des. 80,262; Jan. 7.
 Drapery-rod centerpiece. A. Geiges. Des. 80,264; Jan. 7.
 Drapery-rod centerpiece. F. Green. Des. 80,268-9; Jan. 7.
 Drapery-rod end piece. A. Geiges. Des. 80,261; Jan. 7.
 Drapery-rod end piece. A. Geiges. Des. 80,263; Jan. 7.
 Drapery-rod end piece. F. Greene. Des. 80,266-7; Jan. 7.
 Drapery rods, Connection for. P. J. Mitchels. 1,752,020; Mar. 25.
 Drapery, Window. E. A. King. 1,778,499; Oct. 14.
 Drawbar, Shock-insulator. R. F. Cowell. 1,754,309; Apr. 15.
 Draw pot. W. S. McKinley. 1,744,406; Jan. 21.
 Draw pot for sheet-glass apparatus. L. Manabourg. 1,761,220; June 3.
 Draw-works brace. J. C. Rains. 1,762,740; June 10.
 Draw works for use with bild drives. W. D. Davidson. 1,783,914; Dec. 2.
 Draw-works girt, Interchangeable. W. D. Sawyer. 1,786,089; Dec. 23.
 Draw works, Two-post, three-speed, three-shaft large-drum. E. Timbs. 1,760,184; May 27.
 Drawworks, Two-post, two-speed, three-shaft portable. E. Timbs and L. E. Zerbe. 1,783,988; Dec. 9.
 Drawer. E. J. Card and V. A. Gionberg. 1,757,293; May 6.
 Drawer. L. F. Dettenborn. 1,749,937; Mar. 11.
 Drawer construction for filing cabinets. D. E. Hunter. 1,761,303; June 3.
 Drawer, Electrically-operated. F. J. Kramer. 1,774,442; Aug. 26.
 Drawer, Filing. LeR. Hutchins and J. D. Leat. 1,768,467; June 24.
 Drawer guide. F. Vogt. 1,786,045; Dec. 23.
 Drawer-operating mechanism. W. F. Schott. 1,775,538; Sept. 9.
 Drawer pull. J. A. McBride. Des. 82,949; Dec. 30.
 Drawer slide. J. Vaaler. 1,754,448; Apr. 15.
 Drawer slide. D. B. K. Van Raalte. 1,751,060; Mar. 18.
 Drawer slide. P. M. Wege. 1,750,448; Mar. 11.
 Drawer, Remote-controlled. C. T. James. 1,778,857; Oct. 21.
 Drawers, Attachment for draftsmen's. R. C. Eaton. 1,774,792; Sept. 2.

Drawing and pushing device for central couplings of vehicles. A. Schrelle and J. Lenz. 1,775,972; Sept. 16.
Drawing device for spinning frames and for preparing machines. J. Pdimlin. 1,749,393; Mar. 4.
Drawing frame. E. Stansfield and E. Brunner. 1,782,549; Nov. 25.

Drawing-in-filling preventer. T. Caux. 1,763,456; June 10.
Drawing instrument. G. J. W. Pipirs. 1,745,188; Jan. 28.
Drawing instrument. B. M. Shaub. 1,751,366; Mar. 18.
Drawing machine. A. C. Belles. 1,765,047; June 17.
Drawing material. H. E. Braeg. 1,780,113; Oct. 28.
Drawing mechanism. A. C. Butler. 1,765,050; June 17.
Drawing mechanism for textile rovings. F. Casablancas. 1,765,127; June 17.

Drawing press. A. A. Dyerlein. 1,768,503; June 24.
Drawing press. J. E. Dobson. 1,753,695; Apr. 8.
Drawing press. R. W. Glasner. 1,778,358; Oct. 14.
Drawing press. R. J. Pardee. 1,753,717; Apr. 8.
Drawing press. R. B. Treer. 1,742,673; Jan. 7.
Drawing press, Toggle. W. Klocke. 1,762,398; June 10.
Drawings, Producing. K. K. Knecht. 1,753,344; Apr. 8.
Dredge-bucket teeth. W. B. Jenkins. 1,769,998; July 8.

Dredge, Hydraulic. M. F. Keese. 1,772,547; Aug. 12.
Dredger, Suction. F. Ewig. 1,754,746; Apr. 15.
Dredgers, Hold for. F. Ewig. 1,750,095; Mar. 11.
Dredging machine. E. S. Johnson. 1,769,999; July 8.
Dredging machine. O. B. Perry. 1,762,794; June 10.
Dredging machine, Hydraulic. C. R. Penney. 1,777,575; Oct. 7.

Dredging system, Hydraulic. A. Neveling. 1,759,490; May 20.

Dress. D. Long. Des. 80,279; Jan. 7.
Dress. D. Long. Des. 80,574; Feb. 25.
Dress. D. Long. Des. 80,658-9; Mar. 4.
Dress. D. Long. Des. 80,795-8; Mar. 25.
Dress. D. Long. Des. 80,845-6; Apr. 1.
Dress. D. Long. Des. 80,957; Apr. 15.
Dress. D. Long. Des. 80,959; Apr. 15.
Dress. D. Long. Des. 81,098-9; May 6.
Dress. D. Long. Des. 81,493; July 1.
Dress. D. Long. Des. 81,711; July 29.
Dress. D. Long. Des. 82,382-3; Oct. 28.
Dress. D. Long. Des. 82,385-6; Oct. 28.
Dress. D. Long. Des. 82,569; Nov. 18.
Dress. D. Long. Des. 82,841; Dec. 16.
Dress, Diving. V. R. McBride and H. R. Ward. 1,760,512; May 27.

Dress, Ensemble. D. Long. Des. 82,332; Oct. 21.
Dress, Ensemble. D. Long. Des. 82,510; Nov. 11.
Dress garment for ladies' wear, Outer. H. Greenbaum. Des. 82,496; Nov. 11.

Dress-hanger body. L. Kanowitz. Des. 81,983; Sept. 9.
Dress, Lady's. D. Hubert. Des. 81,537; July 8.
Dress, Lady's. T. Young. Des. 81,771; Aug. 5.
Dresser. E. H. Smith. 1,764,229; June 17.
Dressing, Belt. G. Leone. 1,751,342; Mar. 18.
Dressing stand. F. Goodman. 1,777,275; Sept. 30.
Dressing table. W. A. French. Des. 80,365; Jan. 21.

Drier: See—

Air drier.	Hair drier.
Apron drier.	Laundry drier.
Can-end drier.	Loop drier.
Centrifugal drier.	Lumber drier.
Chemical loop drier.	Needle drier.
Cleaning drier.	One-apron drier.
Cloth drier.	Paper drier.
Clothes drier.	Paper-machine drier.
Coal drier.	Revolving drier.
Copra drier.	Rotary drier.
Film drier.	Salt drier.
Filter-cake loop drier.	Sand drier.
Garment drier.	Slasher drier.
Glove drier.	Spray drier.
Grain drier.	Sugar drier.

Drier. C. J. Bleil. 1,749,525; Mar. 4.
Drier. F. A. Jadin. 1,777,493; Oct. 7.
Drier. R. Kastead. 1,749,485; Mar. 4.
Drier. H. Klein. 1,775,130; Sept. 9.
Drier. L. G. Merritt. 1,759,130; May 20.
Drier and cleaner, Grain. F. A. Jamison. 1,769,345; July 1.
Drier and stretcher, Curtain. F. L. Hannum. 1,781,177; Nov. 11.

Drier apparatus. N. V. Johnson. 1,770,593; July 15.
Drier apparatus for paper-making machines. R. Carpenter. 1,756,630; Apr. 29.
Drier-felt seam construction. H. N. Hill. 1,748,880; Feb. 25.
Drier for dough products. F. Cenzi. 1,754,262; Apr. 15.
Drier for sand and the like. H. W. Nagel. 1,787,280; Dec. 30.

Drier for tubular fabrics. N. Marien. 1,745,499; Feb. 4.
Drier for Veneer, wall board, and the like. A. J. Vance. Re17,594; Feb. 11.

Drier or similar article, Stocking. F. Arnett. Des. 82,212; Oct. 7.

Drill: See—

Boring drill.	Electric drill.
Breast drill.	Grain drill.
Core drill.	Hammer drill.
Core by-pass drill.	Mine drill.
Disk drill.	Miner's drill.
Drive drill.	Mining drill.
Earth-boring drill.	Multiple drill.

Drill: See—

Radial drill.	Rotary drill.
Reversible close-quarter drill.	Subaquatic drill.
Rock drill.	Submarine drill.
Roller cutter drill.	Twist drill.
	Well drill.

Drill. H. R. Decker. 1,756,285; Apr. 29.
Drill. T. Grant. 1,752,524; Apr. 1.

Drill. W. W. Landrum. 1,756,489; Apr. 29.
Drill. R. E. McIntosh. 1,746,046; Feb. 4.
Drill. C. A. and O. Signell. 1,764,989; June 17.

Drill. J. Silberger. 1,778,043; Oct. 14.
Drill and bit, Core. W. I. McLaughlin. 1,752,388; Apr. 1.

Drill and tapping machine, Convertible. D. C. Klausmeyer. 1,746,264; Feb. 11.

Drill apparatus, Multiple-. W. P. Hunt. 1,784,288; Dec. 9.

Drill attachment. C. D. Fowler. 1,750,957; Mar. 18.
Drill bit. J. Dahl. 1,754,671; Apr. 15.

Drill bit. J. P. Miller. 1,783,580; Dec. 2.
Drill bit. R. O. Pickin. 1,760,317; May 27.

Drill bit. S. G. Woodruff and E. D. Storts. 1,746,455; Feb. 11.

Drill-bit agitator. J. Bishop. 1,745,351; Feb. 4.
Drill bit, Multiple-disk. C. S. Crickmer and I. C. Bell. Re17,700; June 17.

Drill bit, Rotary. W. V. Seifert. 1,747,908; Feb. 18.
Drill bit, Well-. G. Gartling. 1,746,933; Feb. 11.

Drill bits, Automatic feed device for rotary. J. W. Hauk. 1,785,086; Dec. 16.

Drill chuck. G. W. Emrick. 1,764,291; June 17.
Drill chuck. G. W. Emrick. 1,775,994; Sept. 16.

Drill-cutter mounting. J. R. Dallerup. 1,768,577; July 1.
Drill-feeding device. C. C. Hansen. 1,753,007; Apr. 1.

Drill-head adapter plate. H. W. Bockhoff. 1,759,388; May 20.

Drill jar, Well-. F. A. Fields. 1,775,673; Sept. 16.
Drill, Manufacturing forged percussion masonry twist. H. W. Pleister and J. Karitzky. 1,759,416; May 20.

Drill mechanism, Rotary. E. V. Crowell. 1,767,350; June 24.

Drill mounting, Portable Universal. C. C. Hansen. 1,758,316; May 13.

Drill or reamer, Expanding. S. L. Campbell. 1,756,509; Apr. 29.

Drill or screw driver, Hand. H. E. Simson. 1,752,703; Apr. 1.

Drill pipe. J. C. Stokes. 1,746,132; Feb. 4.
Drill pipe, Floating supporter for. J. A. Zublin. 1,764,488; June 17.

Drill press. A. H. Patterson and B. C. Moots. 1,742,517; Jan. 7.

Drill press, Narrow-frame. G. E. Hallenbeck. 1,751,994; Mar. 25.

Drill-press vise. J. N. Cayo. 1,758,733; May 13.
Drill projectile for bombarding planes. F. Marie. 1,765,017; June 17.

Drill rig. J. W. Cook. 1,763,552; June 10.
Drill rods, Connection for. S. B. Redfield. 1,781,032; Nov. 11.

Drill spindles, Hydraulic feed mechanism for radial. R. R. Roberts and W. J. F. Forward. 1,757,685; May 6.

Drill stem. J. F. Bozeman and J. D. Cole. 1,766,326; June 24.

Drill-stem joints, Product for treating. De R. Frizell. 1,758,598; May 13.

Drill stems, Making. G. A. Montgomery. 1,749,981; Mar. 11.

Drill tube. T. D. Davies. 1,761,709; June 3.

Drill unit, Fluid-actuated. R. M. Galloway. 1,764,098; June 17.

Drill with all change gears centralized in head, Radial. D. C. Klausmeyer. 1,746,703; Feb. 11.

Driller, Dummy. W. A. Loomis. 1,779,480; Oct. 28.
Drilling and pumping apparatus, Well. J. Bricken. 1,776,779; Sept. 30.

Drilling apparatus. H. Barnett. 1,777,156; Sept. 30.
Drilling apparatus. J. S. Mitchell. 1,784,154; Dec. 9.

Drilling apparatus. O. E. Murphy. 1,775,774; Sept. 16.
Drilling apparatus. C. C. Scharpenberg. 1,786,173; Dec. 23.

Drilling apparatus. L. H. Wellensiek. 1,784,404; Dec. 9.
Drilling apparatus, Control mechanism for rotary. E. E. Greve. 1,785,257; Dec. 16.

Drilling apparatus, Electric. C. Contal and P. Krettly. 1,768,119; June 24.

Drilling apparatus, Deep-well-. C. E. Reed. 1,764,854; June 17.

Drilling apparatus, Well-. W. Sheldon. 1,774,531; Sept. 2.

Drilling apparatus, Well-. C. S. Wright. 1,750,982; Mar. 18.

Drilling bit. G. C. Slcombe and A. J. Cormier. 1,781,413; Nov. 11.

Drilling bit, Core-. R. R. Candee and O. F. Harding. 1,785,405; Dec. 16.

Drilling bit, Underreaming well-. J. S. Brown. 1,776,018; Sept. 16.

Drilling machine. J. S. Barnes. 1,748,941; Mar. 4.
Drilling machine. G. H. Gilman. 1,771,036; July 22.

Drilling machine. E. J. Kingsbury. 1,780,083; Oct. 28.
Drilling machine. J. F. Mirrielees. 1,760,430; May 27.

- Drilling machine feed mechanism. B. M. W. Hanson. 1,748,476; Feb. 25.
- Drilling machine having interchangeable hand and power feeds. D. C. Klausmeyer. 1,746,265; Feb. 11.
- Drilling machine, Rotary. E. E. Greve. 1,785,256; Dec. 16.
- Drilling machine, Rotary well-. J. D. Spalding. 1,782,769; Nov. 25.
- Drilling-machine spindles, Feeding device for. F. C. Spencer. 1,752,465; Apr. 1.
- Drilling machine, Well. J. H. Wilt. 1,775,578; Sept. 9.
- Drilling machinery, Spudding cushion for. T. Williams. 1,783,006; Nov. 25.
- Drilling machines, Feed mechanism for. J. Friedl. 1,767,752; June 24.
- Drilling machines, Hydraulic feed mechanism for. J. Oakley. 1,750,684; Mar. 18.
- Drilling machines, Work-feeding device for. J. S. Stull. 1,752,468; Apr. 1.
- Drilling mechanism. E. T. Hall. 1,761,337; June 3.
- Drilling mechanism. E. E. Miller. 1,761,357; June 3.
- Drilling mechanism. C. F. Osgood. 1,760,316; May 27.
- Drilling mechanism. C. F. Osgood. 1,761,310; June 3.
- Drilling mechanism. F. W. Vodoz. 1,781,887; Nov. 18.
- Drilling mechanism, Rock-. E. G. Gartin. 1,774,482; Aug. 26.
- Drilling mechanism, Rock-. C. F. Osgood. 1,774,035; Aug. 26.
- Drilling mechanism, Rock-. T. R. E. Rundqvist. 1,761,313; June 3.
- Drilling mechanism, Rock-. T. R. E. Rundqvist. 1,774,186; Aug. 26.
- Drilling or fishing jar. G. C. McCool. 1,770,214; July 8.
- Drilling rig. M. T. Archer. 1,756,804; Apr. 29.
- Drilling rig, Well-. L. H. McCollum. 1,774,939; Sept. 2.
- Drilling rig, Well-. T. M. Wilkins. 1,758,728; May 13.
- Drilling system, Rotary earth-. H. D. James. 1,786,755; Dec. 30.
- Drilling system, Well-. G. P. Lehmann. 1,778,501; Oct. 14.
- Drill-steel centralizer. G. M. Nell. 1,768,994; July 1.
- Drill-steel retainer. J. E. Renfer. 1,779,107; Oct. 21.
- Drills, Blowing device for rock. L. C. Bayles. 1,758,492; May 13.
- Drills, Chuck mechanism for rock. C. C. Hansen. 1,745,166; Jan. 28.
- Drills, Feeding device for rock. C. C. Hansen. 1,763,701; June 17.
- Drills, Guide for rock. R. Griffith. 1,755,255; Apr. 22.
- Drills, Mount for percussive. G. M. Nell. 1,751,287; Mar. 18.
- Drills, Operating well-boring. A. B. Cross and W. H. Frazier. 1,745,567; Feb. 4.
- Drills, Retracting device for rock. C. C. Hansen. 1,744,964; Jan. 28.
- Drills, Rotation mechanism for rock. G. W. Hulshizer. 1,776,509; Sept. 23.
- Drills, Rotation mechanism for rock. E. B. Lear. 1,773,366; Aug. 19.
- Drills, Shell mount for rock. F. Bayliff and G. M. Nell. 1,751,302; Mar. 18.
- Drills, Traversing mechanism for radial. C. F. Randolph. 1,768,932; July 1.
- Drills, Venting means for pneumatic. R. A. Norling. 1,779,245-6; Oct. 21.
- Drills, Venting means for pneumatic. R. A. Norling. 1,785,527; Dec. 16.
- Drills, Welding. F. O. Hoagland. 1,784,932; Dec. 16.
- Drink-collecting device. R. G. Tetra. 1,767,820; June 24.
- Drink-dispenser base, Soft-. C. Stoyanoff. Des. 81,764; Aug. 5.
- Drink mixer. H. A. Andersen. 1,762,376; June 10.
- Drink mixer. R. A. Blish and A. P. Jorgenson. 1,743,102-5; Jan. 14.
- Drink mixer. R. B. Gilchrist. 1,762,391; June 10.
- Drink mixer. E. Nielsen. 1,764,338; June 17.
- Drink mixer. S. J. Poplawski. 1,765,095; June 17.
- Drink mixer. P. H. Robinson. 1,762,353; June 10.
- Drink mixer and juice extractor, Combined. C. Ringwald. Des. 82,703; Dec. 2.
- Drink-mixer unit. G. C. Schmitz. 1,767,262; June 24.
- Drink-mixing device. H. K. Jensen. 1,764,079; June 17.
- Drinking fountain, Automatic animal. G. Allman and S. B. Hemming. 1,771,947; July 29.
- Drinking fountain, Portable sanitary. S. Qulsling. 1,781,599; Nov. 11.
- Drinking fountain, Poultry. E. J. J. Mueller. 1,787,015; Dec. 30.
- Drip coffeepot. R. F. Krause. Des. 82,162; Sept. 30.
- Drip pan. L. Mason. 1,751,344; Mar. 18.
- Drip pan and baffle member for refrigerating cases, Combination. H. M. Hunt. 1,761,629; June 3.
- Drive and control mechanism for veneer lathes and the like. T. W. Dike and F. Sawford. 1,745,890; Feb. 4.
- Drive and oil pump, Combination. S. Dean. 1,785,112; Dec. 16.
- Drive and release mechanism for type-casting matrix strips. C. A. Macomic. 1,777,268; Sept. 30.
- Drive attachment for lawn mowers, Parallel. H. W. Palm. 1,764,851; June 17.
- Drive, Automotive. T. Jensen. 1,784,524; Dec. 9.
- Drive, Boom. C. E. Foote. 1,761,716; June 3.
- Drive control for motor-driven lawn mowers. H. L. Blydenburgh. 1,779,583; Oct. 28.
- Drive, Direct bucket. E. H. Lichtenberg. 1,785,031; Dec. 16.
- Drive drill, Direct-. D. C. Klausmeyer. 1,746,263; Feb. 11.
- Drive for centrifugal separators, Two-speed. C. Schmitz. 1,771,468; July 29.
- Drive for electric trucks, Auxiliary. M. P. Vukosav. 1,766,163; June 24.
- Drive for endless conveyers, Intermittent. I. R. Hippenmeyer. 1,775,029; Sept. 2.
- Drive for grinder wheels, Electric. A. G. Decker. 1,784,133; Dec. 9.
- Drive for high-speed spindles. C. T. Raule. 1,752,542; Apr. 1.
- Drive for motor boats. K. Haussmann. 1,784,354; Dec. 9.
- Drive for motor vehicles. J. W. Christie. 1,751,394; Mar. 18.
- Drive for reciprocating conveyers. R. W. Dull. 1,770,263; July 8.
- Drive for rotating brushes, wheels, etc. O. R. Hasty. 1,760,843; May 27.
- Drive for talking machines. L. L. C. Jaffard. 1,777,973; Oct. 7.
- Drive for the stepped drums of calculating machines. A. Kottmann. 1,786,164; Dec. 23.
- Drive for wood-pulp grinders and the like. W. L. Merrill. 1,785,490; Dec. 16.
- Drive head for driving pipes. C. C. Hansen. 1,774,884; Sept. 2.
- Drive means for lathes and similar machines. H. Dalton. 1,747,621; Feb. 18.
- Drive mechanism. C. A. Rinker. 1,766,307; June 24.
- Drive mechanism. E. Vandecan. 1,773,607; Aug. 19.
- Drive mechanism, Carpet-sweeper brush-. F. W. Pullen. 1,786,864; Dec. 30.
- Drive mechanism for conveyer belts. G. F. Dodge. 1,776,419; Sept. 23.
- Drive mechanism, Intermittent. F. R. Chester. 1,776,651; Sept. 23.
- Drive mechanism, Motor-truck-. A. R. Le Moon. 1,761,135; June 3.
- Drive mechanism, Rotary. J. J. Schmitt. 1,755,026; Apr. 15.
- Drive, Motor. R. W. Davis. 1,762,130; June 3.
- Drive or clutch mechanism for winches. J. E. Le Bus. 1,786,351; Dec. 23.
- Drive or conveyer chain, Sectional. G. D. Ryther. 1,756,136; Apr. 29.
- Drive ring. E. St. John. 1,750,694; Mar. 18.
- Drive, Roller. C. M. Silberberger. 1,762,034; June 3.
- Drive vibratory fork, Contact-. A. M. Curtis. 1,757,704; May 6.
- Driver attachment for rock drills, Pile-. W. A. Smith, sr., and W. A. Smith, jr. 1,776,521; Sept. 23.
- Driving and engine-truck box lubricator. G. W. Keller. 1,751,160; Mar. 18.
- Driving and stopping mechanism. L. E. Topham. 1,774,792; Sept. 2.
- Driving and speed-varying mechanism. S. Klein. 1,759,856; May 27.
- Driving box for locomotive engines. H. Swoyer. 1,763,019; June 10.
- Driving box, Locomotive. M. H. Roberts. 1,777,578-9; Oct. 7.
- Driving-box lubricator. F. W. Martin. 1,781,337; Nov. 11.
- Driving construction, Automotive. L. R. Buckendale. 1,754,604; Apr. 15.
- Driving device. F. W. Rudlin. 1,775,917; Sept. 16.
- Driving lining tubes for molding concrete piles in the ground. E. Frankignoul. 1,764,948; June 17.
- Driving means, Flexible. F. N. Bardwell. 1,759,833; May 27.
- Driving means for wire-stranding machines. D. R. Francis. 1,774,880; Sept. 2.
- Driving mechanism. T. A. Bryson. 1,771,525; July 29.
- Driving mechanism. C. F. Drumm, jr. 1,771,487; July 29.
- Driving mechanism. C. F. Gilchrist. 1,776,115; Sept. 16.
- Driving mechanism. K. K. Huppmann. 1,773,489; Aug. 19.
- Driving mechanism. D. C. Klausmeyer and T. L. Gibson. 1,743,460; Jan. 14.
- Driving mechanism. N. A. Strand. 1,785,055; Dec. 16.
- Driving mechanism. F. A. Truesdell. 1,776,302; Sept. 23.
- Driving mechanism for amusement devices. A. Spillman. 1,773,636; Aug. 19.
- Driving mechanism for bobbin shafts of roving frames. F. E. Banfield, jr., and G. F. Albrecht. 1,766,586; June 24.
- Driving mechanism for butter-working rolls. A. C. Houglund. 1,766,176; June 24.
- Driving mechanism for conveyor belts. E. F. Maas. 1,769,703; July 1.
- Driving mechanism for intermittently-rotating shafts. C. L. Bach. 1,759,535; May 20.
- Driving mechanism for machines. G. H. Amonsén. 1,752,411; Apr. 1.
- Driving mechanism for power-driven vehicles. R. B. Ross, jr., and W. D. Staveley. 1,746,870; Feb. 11.
- Driving mechanism for rolling-mill wedges. A. L. Ellis. 1,771,750; July 29.
- Driving mechanism for Scotch feed. A. M. Langlois. 1,770,239; July 8.

- Driving mechanism for turntables of talking machines. J. W. Dyer. 1,753,505; Apr. 8.
- Driving mechanism for washing machines. F. B. Schuyler. 1,742,616; Jan. 7.
- Driving mechanism. Intermittent. H. M. Swindler. 1,782,520; Nov. 25.
- Driving mechanism used in connection with dental tools. H. Meyer. 1,780,495; Nov. 4.
- Driving mechanism, Variable. J. L. Perkins and H. D. Croft. 1,755,127; Apr. 15.
- Driving mechanism, Vehicle. A. I. Marcum. 1,744,320; Jan. 21.
- Driving mechanisms at a constant rate of rotation, Means to keep mechanical. G. Von Arco. 1,772,373; Aug. 5.
- Driving unit for loud-speakers. L. R. Titcomb. 1,774,855; Sept. 2.
- Drop cord. C. D. Wayne. 1,786,276; Dec. 23.
- Drop pit. W. Nagell. 1,773,746; Aug. 26.
- Drop-leaf table. J. Kimp. 1,751,586; Mar. 25.
- Dropper; *Sec*—
- Cherry dropper. Hill dropper.
- Drum. H. G. Hunt. 1,767,133; June 24.
- Drum. J. A. Meyer. 1,752,568; Apr. 1.
- Drum. B. Schwartz. 1,769,551; July 1.
- Drum accessory. J. A. Meyer. 1,744,483; Jan. 21.
- Drum and making it, High-pressure. B. Broido. 1,743,877; Jan. 14.
- Drum, Barking. J. Strindlund. 1,779,568; Oct. 28.
- Drum beater. J. Pignocco. 1,769,712; July 1.
- Drum, Collapsible. L. L. Clark. 1,768,438; June 24.
- Drum, Collapsible. V. Karbowski and W. C. Smith. 1,754,273; Apr. 15.
- Drum for furnaces. H. Beese. 1,762,951; June 10.
- Drum for green-pea-vine hullers, Screen. F. Hamachek. 1,762,225; June 10.
- Drum for toy hoists. A. C. Gilbert. 1,777,666; Oct. 7.
- Drum machine, Rotary. H. H. Wolfe and H. L. Myers. 1,782,376; Nov. 18.
- Drum player, Automatic. J. Verrecchia. 1,782,247; Nov. 18.
- Drum plug and faucet lock. T. C. Nunes. 1,762,582; June 10.
- Drum, Snare. R. H. Hiers and H. A. 1,783,843; Dec. 2.
- Drums, Making. W. A. Jones. 1,782,899; Nov. 25.
- Dry battery. C. A. Gillingham. 1,779,767; Oct. 28.
- Dry battery. M. H. Thurnauer. 1,771,827; July 29.
- Dry battery. D. E. Wyre. 1,761,098; June 3.
- Dry cell. W. D. Staley. 1,760,090; May 27.
- Dry cell and electrode therefor. G. W. Heise and H. H. Thompson. 1,775,763; Sept. 16.
- Dry-cell battery. A. K. Huntley. 1,765,673; June 24.
- Dry cell, Electric. J. G. Jackson. 1,763,969; June 17.
- Dry-cell-making machinery, Automatic. S. Sokolow. 1,744,148; Jan. 21.
- Dry-cell manufacture. H. E. Kip. 1,773,229; Aug. 19.
- Dry cells, Apparatus for making. R. A. Lorig. 1,766,661; June 24.
- Dry cells, Making. W. F. Hendry. 1,786,945; Dec. 30.
- Dry-cleaning machine. O. Thibault and R. Reid. 1,760,218; May 27.
- Dry closet. C. T. Cadwallader. 1,764,149; June 17.
- Dry room. J. B. Sando. 1,763,541; June 10.
- Drying. O. Söderlund and T. Gram. 1,755,373; Apr. 22.
- Drying and finishing machine. S. Norden. 1,760,516; May 27.
- Drying and pressing apparatus, Hosiery. J. O. V. Setten. 1,777,705; Oct. 7.
- Drying and rinsing apparatus, Centrifugal clothes. P. E. Geldhof. 1,787,242; Dec. 30.
- Drying apparatus. B. R. Andrew. 1,776,609; Sept. 23.
- Drying apparatus. R. J. Aune. 1,751,023; Mar. 18.
- Drying apparatus. H. Haas. 1,750,003; Mar. 11.
- Drying apparatus. H. Haas. 1,778,318; Oct. 14.
- Drying apparatus. E. Hopkinson. 1,750,753; Mar. 18.
- Drying apparatus. A. Kolitsch. 1,746,431; Feb. 11.
- Drying apparatus. A. T. Oakley and P. Lupke, jr. 1,750,813; Mar. 18.
- Drying apparatus. T. W. Prosser. 1,755,334; Apr. 22.
- Drying apparatus. W. M. Strong. 1,749,451; Mar. 4.
- Drying apparatus. J. D. Ullgren. 1,779,571; Oct. 28.
- Drying apparatus and method. L. Buck. 1,766,595; June 24.
- Drying apparatus and method. D. D. Peebles. 1,761,149; June 3.
- Drying apparatus and process of drying. J. J. and J. B. Berrigan. 1,770,727; July 15.
- Drying apparatus, Distributing head for. J. C. MacLachlan. 1,742,478; Jan. 7.
- Drying apparatus for gelatin carbon tissue. T. Chester. 1,762,910; June 10.
- Drying apparatus for skeins. A. E. Villemey. 1,771,906; July 29.
- Drying apparatus, Laundry. J. J. Hegarty. 1,759,113; May 20.
- Drying apparatus, Mold-. L. F. Nock. 1,742,721; Jan. 7.
- Drying articles. A. W. Morris. 1,757,205; May 6.
- Drying device. J. V. Riley. 1,786,316; Dec. 23.
- Drying device. J. A. Shoemaker. 1,780,446; Nov. 4.
- Drying device, Hand and face. P. Emmrich. 1,750,094; Mar. 11.
- Drying device, Web-. A. E. F. Moone. 1,742,365; Jan. 7.
- Drying, drumming, cleaning, caging, and finishing fur machine, Combined. H. Gabbe. 1,763,462; June 10.
- Drying form. P. J. Timberlake. 1,770,869; July 15.
- Drying-form machine, Hosiery-. P. Guggenheim. 1,761,296; June 3.
- Drying frame, Handkerchief-. L. Flentye. 1,760,548; May 27.
- Drying liquid materials. D. J. Van Marle. 1,762,250; June 10.
- Drying macaroni and other products made from a paste of flour and water. A. W. Quiggle. 1,756,992; May 6.
- Drying machine. H. Koplin. 1,786,349; Dec. 23.
- Drying machine. L. G. and E. H. Merritt and R. W. Stanley. 1,757,092; May 6.
- Drying machine. B. A. Parks. 1,773,852; Aug. 26.
- Drying machine. A. D. Staley. 1,765,628; June 24.
- Drying machine, Centrifugal. T. A. Bryson. 1,786,475; Dec. 30.
- Drying machines, Automatic carrier-turning mechanism for. J. W. Dennis. 1,766,984; June 24.
- Drying machines, Heating device for. E. Robeson. 1,768,002; June 24.
- Drying materials. F. A. Secord. 1,760,444; May 27.
- Drying material, Process and apparatus for. F. P. Renneburg. 1,771,141; July 22.
- Drying mechanism for garment presses, Air-. G. Parizot. 1,755,488; Apr. 22.
- Drying of moist material. O. Söderlund and T. Gram. 1,766,843; June 24.
- Drying of road-making aggregates and other broken or granular materials. J. F. Wake. 1,755,377; Apr. 22.
- Drying or carbonizing machine. F. M. Crossman. 1,769,491; July 1.
- Drying or heating. A. J. Nelson and R. W. Neel. 1,744,492; Jan. 21.
- Drying process and apparatus. A. A. Criqui. 1,751,472; Mar. 25.
- Drying strips chiefly cinematographic and photographic films, Device for. R. E. Philippe. 1,748,188; Feb. 25.
- Drying system. F. C. Farnsworth. 1,750,837; Mar. 18.
- Drying tumbler. J. W. Seifert. 1,762,594; June 10.
- Drying wet materials. R. E. Kristensson. 1,778,079; Oct. 14.
- Dual fan-dusting machine. R. R. Ezdorf and A. J. Brown. 1,785,945; Dec. 23.
- Dual intake manifold. D. E. Anderson. 1,761,958; June 3.
- Dumb-bell, Orthodontic. H. C. Ferris. 1,749,632; Mar. 4.
- Dumb-waiter closing and locking device. W. A. Curtis. 1,768,121; June 24.
- Dump body, Vehicle. R. T. Osman. 1,784,464; Dec. 9.
- Dump for carrier systems, Automatic. L. B. H. Bixler and W. L. Bixler. 1,761,188; June 3.
- Dump for steam shovels, Automatic. G. Thomas. 1,773,066; Aug. 12.
- Dumper, Rotary car. A. Allen. 1,778,821; Oct. 21.
- Dumping body. W. C. Anthony. 1,755,803; Apr. 22.
- Dumping fork. W. W. Wallace. 1,745,839; Feb. 4.
- Dumping means for weeder. C. L. Key. 1,775,245; Sept. 9.
- Dumping mechanism, Vehicle. L. J. McMillin. 1,774,182; Aug. 26.
- Duodenal drainage, Apparatus for practice of. O. B. Schellberg. 1,749,089; Mar. 4.
- Duplex burner. E. O. Daniels. 1,761,905; June 3.
- Duplex operating device. I. M. Laddon and W. A. Ring. 1,774,558; Sept. 2.
- Duplicating apparatus. L. W. Wagner. 1,775,979; Sept. 16.
- Duplicating device. J. D. McLeod. 1,759,795; May 20.
- Duplicating machine. G. P. Clark. 1,767,237; June 24.
- Duplicating machine. J. J. Flanagan. 1,746,642; Feb. 11.
- Duplicating machine. H. F. Heileman. 1,764,261; June 17.
- Duplicating machine. W. K. Moll. 1,753,442; Apr. 8.
- Duplicating machine. G. Sabik. 1,749,160; Mar. 4.
- Duplicating machine. R. E. L. Spence, jr. 1,756,395; Apr. 29.
- Duplicating machine or copygraph and operating same. C. W. Jean. 1,745,219; Jan. 28.
- Duplicating machines, Feed mechanism for rotary. E. J. Brasseur. 1,756,674; Apr. 29.
- Duplicating machines, Paper-stop device for. W. K. Moll. 1,759,200; May 20.
- Duplicating ribbon mechanism. S. Yoshimura. 1,761,460; June 3.
- Duplicating with the aid of stencils. D. Gestetner. 1,771,563; July 29.
- Duplicator. S. Horii. 1,777,920; Oct. 7.
- Duplicator. H. K. Lorentzen. 1,760,152; May 27.
- Duplicator. J. E. Norman. 1,780,095; Oct. 28.
- Duplicator. F. A. Zibelman. 1,745,969; Feb. 4.
- Duplicator, Rotary. G. H. Padgham. 1,774,900; Sept. 2.
- Dust, Apparatus for separating and collecting. J. Whitmore. 1,759,382; May 20.
- Dust arrester. S. S. Parsons. 1,747,131; Feb. 11.
- Dust arrester, Centrifugal. F. H. Wagner. 1,743,171; Jan. 14.
- Dust arrester, Continuous. G. A. Boesger. 1,775,304; Sept. 9.
- Dust-bag ring. H. E. Hoover. 1,783,240; Dec. 2.
- Dustcap device. A. P. Kearns. 1,764,208; June 17.
- Dust cap or the like, Quick-detachable. M. C. Schweinert. 1,777,329; Oct. 7.
- Dustcap, Quick-detachable. E. F. Tobold. 1,749,170; Mar. 4.
- Dust cart. K. Schmidt. 1,781,346; Nov. 11.

- Dust-collecting system. S. W. Kirk and W. R. Meuttman. 1,758,668; May 13.
- Dust collection. C. F. Morse and E. L. Hogan. 1,785,453; Dec. 16.
- Dust collector. R. A. Goodhue. 1,770,074; July 8.
- Dust collector. C. L. Johnson. 1,765,871; June 24.
- Dust collector. G. Kohlmeier. 1,769,182; July 1.
- Dust collector. V. Lorentz. 1,771,852; July 29.
- Dust collector. W. P. Marcellies. 1,774,757; Sept. 2.
- Dust collector or separator. J. Whitmore. 1,766,237; June 24.
- Dust collectors, Attachment for. J. A. Guth. 1,761,336; June 3.
- Dust from gases, Apparatus for separating. A. Stievenart. 1,754,126; Apr. 8.
- Dust from gases or vapors, Apparatus for removing. E. M. Salerni. 1,758,624; May 13.
- Dust from moist gases, Separating. J. B. Taylor. 1,770,020; July 8.
- Dust from tobacco, Apparatus for loosening and removing. V. Lorentz. 1,775,907; Sept. 16.
- Dust guard. D. S. Barrows. 1,760,105; May 27.
- Dust guard. W. D. Hamerstadt. 1,775,624; Oct. 28.
- Dust gun. H. O. Huntington. 1,777,278; Sept. 30.
- Dust or fume from air, Apparatus for separating. J. P. Van Gelder. 1,764,861; June 17.
- Dust separator. S. N. Chew. 1,780,641; Nov. 4.
- Dust separator. R. Ruemelin. 1,743,934; Jan. 14.
- Dust separating and collecting system, Elastic-fluid. G. M. Spencer. 1,785,331; Dec. 16.
- Dust separator. A. Jordahl. 1,786,208; Dec. 23.
- Duster. Broadcast. R. R. Ezdorf and A. J. Brown. 1,785,944; Dec. 23.
- Duster, Flour. H. Devlin. 1,748,543; Feb. 25.
- Duster, Paper hair. N. J. Carbone, jr. 1,757,853; May 6.
- Duster, Peel. W. W. Le Rue. 1,771,495; July 29.
- Duster, Rock. A. J. Gurney. 1,781,509; Nov. 11.
- Dusting and spraying machine. A. J. Brown and R. R. Ezdorf. 1,785,932; Dec. 23.
- Dusting device. H. A. Inman. 1,757,528; May 6.
- Dusting device, Automatic tube. P. W. Lehman. 1,736,437; Dec. 30.
- Dusting machine. A. J. Brown and R. R. Ezdorf. 1,785,933; Dec. 23.
- Dusting machine. E. L. Sherling and G. E. Cunningham. 1,758,065; May 13.
- Dye. W. Kritchewsky, H. C. Prutsman, and E. Morrill. 1,752,184; Mar. 25.
- Dye and dyeing therewith, New anthraquinone. A. Shepherdson and W. W. Tatum. 1,761,370; June 3.
- Dye and making the same, Azo. H. Jordan. 1,756,248; Apr. 29.
- Dye bath, Nonaqueous. E. R. Schlatter. 1,754,285; Apr. 15.
- Dye-carrying layer for photographic films and the like. S. E. Sheppard and J. G. McNally. 1,768,795; July 1.
- Dye containing a diphenylurea nucleus, Disazo. L. W. Geller. 1,782,682; Nov. 25.
- Dye derived from diamino carbazoles and arylides of unsulphonated hydroxy carboxylic acid, Primary disazo. H. Clingstein and H. W. Grimm. 1,751,633; Mar. 25.
- Dye effluents, Treating. P. Mahler. 1,747,175; Feb. 18.
- Dye, -mercapto-propionic acid anthraquinone. H. Berthold. 1,760,806; May 27.
- Dye preparation. M. B. Parrish. 1,780,981; Nov. 11.
- Dye solution. C. S. Miner. 1,760,076; May 27.
- Dyeing. J. Baddiley. 1,757,502; May 6.
- Dyeing. J. Baddiley. 1,757,505; May 6.
- Dyeing. A. Bodmer. Re17,894; Dec. 2.
- Dyeing. R. R. Sleeper. 1,758,877; May 13.
- Dyeing acetate silk. R. S. Horsfall. L. G. Lawrie, and J. A. R. Henderson. 1,759,010; May 20.
- Dyeing and like machine. C. S. Bedford. 1,763,945; June 17.
- Dyeing and wet treating of fabric, Apparatus for. W. Fehrmann. 1,765,912; June 24.
- Dyeing apparatus. V. Böhm. 1,744,740-1; Jan. 28.
- Dyeing apparatus. H. E. Brewin and A. C. Mackey. 1,747,048; Feb. 11.
- Dyeing apparatus. L. A. Uttrich. 1,752,712; Apr. 1.
- Dyeing apparatus. H. E. Van Ness. 1,759,144-5; May 20.
- Dyeing apparatus. L. White. 1,747,885; Feb. 18.
- Dyeing apparatus. Knitting-machine spot. R. G. Jennings. 1,767,762; June 24.
- Dyeing cellulose esters or cellulose ethers. E. Fischer. 1,755,640; Apr. 22.
- Dyeing, coloring and coating, Apparatus for. P. Mijer, L. C. Scott, and G. S. Radford. 1,755,302; Apr. 22.
- Dyeing, coloring, and coating, Apparatus for. L. C. Scott. 1,786,031; Dec. 23.
- Dyeing, coloring, and tinting composition, Liquid. A. David. 1,747,861; Feb. 18.
- Dyeing machine. F. Hinnekens. 1,761,562; June 3.
- Dyeing machine. J. H. Thompson. 1,730,798; May 27.
- Dyeing of rubber. E. G. Croakman. 1,742,757; Jan. 7.
- Dyeing process and mechanism. R. C. Rahm. 1,756,067; Apr. 29.
- Dyeing regenerated cellulose silk. J. Baddiley. P. Chorley, and R. Brightman. 1,757,504; May 6.
- Dyeing with azo dyes. J. Baddiley, P. Chorley, and R. Brightman. 1,757,497-8; May 6.
- Dyeings on the fiber, Preparing. W. Hentrich, M. Hardtmann, and E. Tietze. 1,759,258; May 20.
- Dyes and producing the same, Trisazo. H. E. Woodward. 1,784,617; Dec. 9.
- Dyestuff and dyestuffs produced thereby, Solubilizing a perylenetetracarboxylic di-imide. A. J. Hailwood. 1,776,971; Sept. 30.
- Dyestuff and making same. J. Fröhlich. 1,743,034; Jan. 7.
- Dyestuff and making same, Vat. E. Honold. 1,744,163; Jan. 21.
- Dyestuff, Anthraquinone-thioxanthone vat. A. Lüttringhaus and F. Kačer. 1,783,659; Dec. 2.
- Dyestuff, Azo. H. Clingstein. 1,747,539; Feb. 18.
- Dyestuff, Azo. H. Wagner, E. Hoffa, E. Runne, E. Thoma, and H. Heyna. 1,754,070; Apr. 8.
- Dyestuff from 2-3-hydroxynaphthoic acid arylids and making the same, Azo. L. Laska and A. Zitscher. 1,744,172; Jan. 21.
- Dyestuff from 1,12 perylene quinone, Manufacturing a green vat. W. Penecke. 1,783,137; Nov. 25.
- Dyestuff intermediate from halogen benzoyl-benzoic acids. J. Thomas and H. A. E. Drescher. 1,779,221; Oct. 21.
- Dyestuff, Isatin carbazole compound vat. M. P. Schmidt, and O. Limpach. 1,783,588; Dec. 2.
- Dyestuff of the benzothionaphthene series, Vat. K. Thiess and E. Fischer. 1,783,592; Dec. 2.
- Dyestuff paste, Sulphur. E. Voetter. 1,749,963; Mar. 11.
- Dyestuff produced from aminobenzyl- ω -sulfonic acid and acid-substituted aromatic amines, Monazo. W. Duisberg, W. Hentrich, and L. Zeh. 1,755,871; Apr. 22.
- Dyestuff, Vat. K. Schirmacher and K. Eishold. 1,755,667; Apr. 22.
- Dyestuff, Vat. H. Wagner, R. Brune, M. Hessenland, E. Hoffa, F. Müller, and H. Heyna. 1,762,040; June 3.
- Dyestuffs, Aminodiarylsulfonylpyrazolone azo. H. Schweitzer and W. Neelmeier. 1,749,677; Mar. 4.
- Dyestuffs and azo dyestuffs obtainable thereby, Production of azo. R. Stuesser. 1,785,845; Dec. 23.
- Dyestuffs and making same, Azo. L. Laska and A. Zitscher. 1,746,659; Feb. 11.
- Dyestuffs and making same, Azo. H. Wagner. 1,749,681; Mar. 4.
- Dyestuffs and making same, Azo. W. Zerweck. 1,758,385; May 13.
- Dyestuffs and making same, Indigoid. R. Stocker. 1,755,972; Apr. 22.
- Dyestuffs and making same, Vat. B. Mayer and H. Siebenbürger. 1,771,802; July 29.
- Dyestuffs and making the same, New acid azo. W. Hentrich and L. Zeh. 1,746,939; Feb. 11.
- Dyestuffs and making the same, Sulphurized. R. W. Hess. 1,776,904; Sept. 30.
- Dyestuffs and making them, Azo. H. Heyna, W. Kirst, H. Kracker, and K. Moldaenke. 1,746,652; Feb. 11.
- Dyestuffs and making them, Azo. E. Hoffa and E. Thoma. 1,745,676; Feb. 4.
- Dyestuffs and material dyed therewith, Azo. W. Eckert and W. Kirst. 1,758,313; May 13.
- Dyestuffs and material dyed therewith, Azo. K. Thiess. 1,785,846; Dec. 23.
- Dyestuffs containing metals and making same, Azo. F. Straub and W. Anderau. 1,786,272; Dec. 23.
- Dyestuffs and material dyed therewith, Azo. H. Wagner, A. Kuchenbecker, and R. Huss. 1,758,340; May 13.
- Dyestuffs and preparing same, Azo. E. Glietenberg and A. Sigwart. 1,752,075; Mar. 25.
- Dyestuffs and preparing them, Azo. E. Hoffa and F. Müller. 1,759,259; May 20.
- Dyestuffs and preparing them, Azo. H. Wagner, H. Eichwede, and E. Fischer. 1,758,383; May 13.
- Dyestuffs and preparing them, New vat. E. Hoffa and H. Heyna. 1,762,817; June 10.
- Dyestuffs and producing them, Trisazo. H. Schweitzer. 1,749,513; Mar. 4.
- Dyestuffs, Azo. M. Mendoza and K. H. Saunders. 1,766,950; June 24.
- Dyestuffs, Azo. K. Thiess. 1,784,398; Dec. 9.
- Dyestuffs, Azo. H. Wagner, O. Sohst, and J. Rachor. 1,765,640; June 24.
- Dyestuffs containing chlorine, Producing sulphurized vat. G. Kalischer, H. Salkowski, and F. Frister. 1,758,365; May 13.
- Dyestuffs containing chromium. H. Kämmerer. 1,753,120; Apr. 1.
- Dyestuffs containing chromium and making same. F. Straub. 1,775,477; Sept. 9.
- Dyestuffs containing metal, Manufacture of. F. Straub, J. Gyr, and O. Kaiser. 1,779,298; Oct. 21.
- Dyestuffs containing metals and making same. H. Gubler, G. De Montmollin, and J. Spieler. 1,783,083; Nov. 25.
- Dyestuffs containing metals and making same. H. B. Gubler. 1,783,084; Nov. 25.
- Dyestuffs containing sulphur and chromium and making same. F. Straub, H. Mayer, and H. Schneider. 1,758,865; May 13.
- Dyestuffs derived from amino-acylamino-salicyl-diphenylsulphones, Azo. W. Neelmeier. 1,749,836; Mar. 11.
- Dyestuffs derived from indoline bases and preparing same. O. Wahl. 1,755,678; Apr. 22.
- Dyestuffs from azines and process of making, Sulphide. R. W. Pope and M. Wyler. 1,778,165; Oct. 14.
- Dyestuffs from dihalogeno-alkylisatins, Indigoid vat. C. Krauss. 1,784,452; Dec. 9.
- Dyestuffs, Halogenated aminothionaphthene-2,3'-indole-indigoid. R. Herz, F. Farr, K. Thiess, and C. J. Müller. 1,778,076; Oct. 14.
- Dyestuffs, Indigoid vat. K. Thiess, T. Meissner, and C. J. Müller. 1,760,797; May 27.

- Dyestuffs, Manufacture and production of vat. A. Lüttringhaus, P. Nawiasky, and A. Krause. 1,747,520; Feb. 18.
- Dyestuffs, Manufacture of. P. Nawiasky and A. Krause. 1,759,273; May 20.
- Dyestuffs, Manufacture of new azo. K. H. Saunders. 1,766,947; June 24.
- Dyestuffs, Manufacture of stable, dry, easily soluble leuco preparations of vat. E. Bauder. 1,771,763; July 29.
- Dyestuffs, Manufacturing sulphur. G. Kalischer and H. Ritter. 1,759,261; May 20.
- Dyestuffs, Mordant azo. M. Mendoza and K. H. Saunders. 1,766,948; June 24.
- Dyestuffs, Naphtho-carbazole-hydroxy-azo. H. Grimmel and H. Clingstein. 1,766,434; June 24.
- Dyestuffs, New azo. E. Fellmer. 1,784,343; Dec. 9.
- Dyestuffs, New azo. M. Kahn. 1,762,020; June 3.
- Dyestuffs, New azo. H. Schweitzer. 1,775,605; Sept. 9.
- Dyestuffs, New indigoid. W. Bauer, W. Neelmeier, and T. Nocken. 1,782,706; Nov. 25.
- Dyestuffs, New primary disazo. J. Baddiley, P. Chorley, and R. Brightman. 1,776,801; Sept. 30.
- Dyestuffs, New vat. P. Nawiasky and A. Krause. 1,780,836; Nov. 4.
- Dyestuffs, Obtaining fast dyeings and prints with vat. P. Brandt and K. Glenz. 1,779,305; Oct. 21.
- Dyestuffs of anthracene series containing nitrogen and preparing same, Vat. K. Wilke and J. Stock. 1,759,249; May 20.
- Dyestuffs of the anthraquinone series, Acid wood. G. Kränzlein, F. Roemer, and E. Kronholz. 1,750,976; Nov. 11.
- Dyestuffs of the anthraquinone series, Acid wool. G. Kränzlein, E. Kronholz, and F. Roemer. 1,750,227; Mar. 11.
- Dyestuffs of the anthraquinone series, Acid wool. G. Kränzlein, E. Kronholz, and F. Römer. 1,750,228; Mar. 11.
- Dyestuffs of the anthraquinone series, New brown vat. W. Zerweck. 1,785,801; Dec. 23.
- Dyestuffs of the anthraquinone series, New valuable vat. W. Mieg. 1,718,238; Nov. 11.
- Dyestuffs of the anthraquinone series, Vat. K. Krauer and G. Hess. 1,774,443; Aug. 26.
- Dyestuffs of the diamino-diphenyl series and preparing the same, Sulphonated water soluble. K. Thies and B. Deicke. 1,780,048; Oct. 28.
- Dyestuffs of the indigoid series, Vat. W. Neelmeier and T. Nocken. 1,760,769; May 27.
- Dyestuffs of the phenonaphthosafranin series, Manufacture of acid. P. Laeuger. 1,779,279; Oct. 21.
- Dyestuffs of the phenonaphthosafranin series, Manufacture of acid. P. Laeuger. 1,782,356; Nov. 18.
- Dyestuffs of the pyrazolone series and making same, Azo. G. Bonhöte. 1,771,767; July 29.
- Dyestuffs of the triarylmethane series and preparing the same, Water-soluble. B. Francke and H. Moehrke. 1,747,541; Feb. 18.
- Dyestuffs of the triphenylmethane series, New. K. Schmidt. 1,749,113; Mar. 4.
- Dyestuffs of the violanthrone series and making same, Vat. H. Siebenbürger. 1,770,815; July 15.
- Dyestuffs, Preventing the settling out of paste. W. H. Clutterbuck. 1,758,145; May 13.
- Dyestuffs produced from amino-benzyl-w-sulphonic acids, Monazo. W. Duisberg, W. Hentrich, and L. Zeh. 1,757,419; May 6.
- Dyestuffs, Production of fast dyeings and printings with vat. G. de Niederhäusern. 1,747,107; Feb. 11.
- Dyestuffs, Production of new vat. A. Lüttringhaus, P. Nawiasky and A. Krause. 1,747,521; Feb. 18.
- Dyestuffs, Production of new vat. P. Nawiasky and J. Müller. 1,742,317; Jan. 7.
- Dyestuffs, Sulphur. E. Kramer, B. Bollweg, and L. Zeh. 1,759,264; May 20.
- Dyestuffs, Sulphur. E. Kramer, L. Zeh, and B. Bollweg. 1,758,324; May 13.
- Dyestuffs, Trimethylthionaphthene vat. E. Hoffa and H. Heyna. 1,782,724; Nov. 25.
- Dyestuffs, Vat. H. Neresheimer and W. Schneider. 1,749,501; Mar. 4.
- Dyestuffs which are alanines of the anthraquinone series and their derivatives. W. Duisberg, W. Hentrich, and L. Zeh. 1,749,242; Mar. 4.
- Dyestuffs which are complex copper-ammine compounds. W. Hentrich and M. Hardtmann. 1,746,651; Feb. 11.
- Dyestuffs, Yellowish vat. G. Kränzlein, H. Greune, and H. Vollmann. 1,767,377; June 24.
- Dyeing. J. Baddiley, R. Brightman, and P. Chorley. 1,776,802; Sept. 30.
- Dyeing, Apparatus for textile. E. J. Abbott. 1,775,542; Sept. 9.
- Dyeing cellulose ester and ether. L. G. Lawrie. 1,772,515; Aug. 12.
- Dyeing fabrics, Method of and apparatus for. E. Cadgene. 1,773,169; Aug. 19.
- Dyeing filamentous textile substances. E. J. Abbott. 1,775,543; Sept. 9.
- Dyeing machine. H. Nabholz. 1,780,628; Nov. 4.
- Dyeing pelts, hairs, feathers, and the like. P. Virck. 1,775,074; Sept. 2.
- Dyeing process. A. Escaich and J. P. Worms. 1,774,428; Aug. 26.
- Dyeings and printings, Producing fast. P. Virck. 1,774,621; Sept. 2.
- Dyes and intermediates derived from pyranthrone, Manufacture of new vat. A. Shepherdson and A. J. Hailwood. 1,776,200; Sept. 16.
- Dyes and making, Sulphide. M. Wyler. 1,779,508; Oct. 28.
- Dyes and producing the same, Azo. O. Sohst. 1,754,652; Apr. 15.
- Dyes and their application, Manufacture of new secondary disazo. J. Baddiley. 1,757,506; May 6.
- Dyes, Anthraquinone. A. Shepherdson and W. W. Tatum. 1,761,369; June 3.
- Dyes, Application of azo. J. Baddiley. 1,757,503; May 6.
- Dyes, Application of secondary disazo. J. Baddiley. 1,757,501; May 6.
- Dyes, Azo. R. Stüsser. 1,750,067; Mar. 11.
- Dyes derived from aminosulphonates, Azo. K. H. Saunders. 1,766,946; June 24.
- Dyes from 1:8-aminonaphthol sulphonic acid, Relating to manufacture of new secondary disazo. J. Baddiley. 1,757,500; May 6.
- Dyes, Manufacture of new azo. J. Baddiley, P. Chorley, and R. Brightman. 1,757,496; May 6.
- Dyes, Manufacture of vat. H. T. Bucherer. 1,745,004; Jan. 28.
- Dyes, New secondary disazo. J. Baddiley, P. Chorley, and R. Brightman. 1,757,499; May 6.
- Dyes, Preparing triarylmethane. F. W. Lynch and E. H. Rodd. 1,772,516; Aug. 12.
- Dyes, Preparing triarylmethane. E. H. Rodd and F. W. Lynch. 1,772,522-3; Aug. 12.
- Dyes to textile fibers, Application of vat. A. R. Thompson, jr. 1,759,071; May 20.
- Dynamite, Gelignite and gelatin. R. L. Hill. 1,778,718; Oct. 21.
- Dynamite, Low-velocity ammonia. W. H. Ward. 1,743,172; Jan. 14.
- Dynamo-electric machine. J. F. Lincoln and E. E. Dreese. 1,784,102; Dec. 9.
- Dynamo plant, Prime-mover. F. H. Prescott. 1,742,874; Jan. 7.
- Dynamo plants, Controlling prime-mover. A. Pfau. 1,761,797; June 3.
- Dynamometer. C. V. Temple. 1,755,849; Apr. 22.
- Dynamometer, Balanced fluid. J. Tracy. 1,743,409; Jan. 14.
- Dynamos on motor vehicles, Mounting. O. Boden. 1,762,571; June 10.
- Earpiece. A. C. Dunn. 1,755,775; Apr. 22.
- Ear protector. L. Jauss. 1,768,068; June 24.
- Ear protector. L. M. Pence. 1,772,223; Aug. 5.
- Earth and other filtering clays, Revivifying fuller's. H. Lowery. 1,763,167; June 10.
- Earth-boring drill. C. E. Reed. Des. 17,741; July 22.
- Earth-boring drill. F. L. Scott. 1,747,395; Feb. 18.
- Earth-boring sampler. J. Steigh and E. F. Choate. 1,776,166; Sept. 16.
- Earth leakages in alternating-current lines, Apparatus for controlling and indicating. M. Schleicher. 1,784,546; Dec. 9.
- Earth-mold-making machine. E. G. Carr. 1,768,663; July 1.
- Earth-penetrating pile. L. Pierce. 1,771,312; July 22.
- Earthworking apparatus. W. Turner. 1,770,679; July 15.
- Easel. E. M. Roberts. 1,755,518; Apr. 22.
- Easel. H. Wilson. 1,757,032; May 6.
- Easel, Artist's. G. W. Cahall. 1,782,118; Nov. 18.
- Easel, Display. J. E. Ferguson. 1,742,854; Jan. 7.
- Easel, Display. S. W. Wiener. 1,762,675; June 10.
- Easel frame. F. D. Courtenay. Des. 81,744; Aug. 5.
- Eaves-trough hanger. C. P. Mullen. 1,755,453; Apr. 22.
- Ebonite composition and producing the same. H. Gray. 1,769,506; July 1.
- Eccentric drive. T. N. Pierson. 1,781,474; Nov. 11.
- Echo suppressor. D. Mitchell and J. Herman. 1,772,552; Aug. 12.
- Echo suppressor. H. C. Silent. 1,745,457; Feb. 4.
- Echo suppressor. D. Mitchell and H. C. Silent. 1,772,550-1; Aug. 12.
- Economizer. G. P. Jackson, K. Toensfeldt, and H. Steele. 1,786,909; Dec. 30.
- Economizer. D. S. Jacobus. 1,747,671; Feb. 18.
- Economizer. D. S. Jacobus and W. A. Jones. 1,765,532; June 24.
- Economizer. W. A. Jones. 1,762,134; June 3.
- Economizer. W. F. Keenan, jr. 1,782,205; Nov. 18.
- Economizer. O. de Lorenzl. 1,757,621; May 6.
- Economizer. J. R. Nason. 1,752,452; Apr. 1.
- Economizer for hot-water and steam boilers, Detachable head. L. D. Summers. 1,748,091; Feb. 25.
- Economizer for use with furnaces. J. G. Strock. 1,750,203; Mar. 11.
- Edentulous mouths, Method and apparatus for use in taking impressions of. C. B. Dennis. 1,763,553; June 10.
- Edge-folding machine. R. Reüter. 1,771,968; July 29.
- Edge gauge. G. W. Jacques. 1,767,589; June 24.
- Edge-scouring machine. R. J. Burns. 1,773,343; Aug. 19.
- Edge trimmer. A. Ruebel. 1,753,132; Apr. 1.
- Edge-turning machine. C. B. Norris. 1,747,317; Feb. 18.
- Edible, Perforated. T. Etter and J. L. Dunn. Des. 81,273; June 3.
- Educational apparatus. S. L. Redman. 1,766,355; June 24.

- Educational appliance. H. Herzfeld. 1,764,448; June 17.
Educational appliance. T. W. Klink. 1,766,521; June 24.
Educational appliance. J. O. Ott. 1,742,781; Jan. 7.
Educational appliance. H. P. Sachse. 1,767,774; June 24.
Educational appliance. F. H. Shelledy. 1,751,106; Mar. 18.
Educational appliance. H. M. Wolfson. 1,784,952; Dec. 16.
Educational appliance and making the same. H. H. Root. 1,775,603; Sept. 9.
Educational device. S. O. Bondeson. 1,781,047; Nov. 11.
Educational device. J. H. Guy. 1,762,864; June 10.
Educational device. P. R. Hanna. 1,745,674; Feb. 4.
Educational device. T. E. Thompson. 1,750,977; Mar. 18.
Educational device for interchangeable topics. L. E. Myers. 1,729,241; May 20.
Educational game apparatus. B. Applegate. 1,767,424; June 24.
Effervescent composition, Stable. L. T. Andrews. 1,764,996; June 17.
Effigy. F. B. Baker. 1,756,420; Apr. 29.
Egg beater. S. T. Hobbs. 1,767,454; June 24.
Egg beater. H. G. Kuck. 1,761,634; June 3.
Egg beater. R. Stone and J. Cameron. 1,768,012; June 24.
Egg beater, Demountable. J. A. Pardini and I. Andreotti. 1,752,650; Apr. 1.
Egg beater or the like. A. W. Round. 1,755,132; Apr. 15.
Egg boiler, Automatic. P. P. Chapin and W. J. Kupec. 1,753,740; Apr. 8.
Egg boiler, Automatic. H. G. Drysdale. 1,778,997; Oct. 21.
Egg box. H. A. Inman. 1,767,797; June 24.
Egg candle. R. B. Hochstadter and F. Hochstadter. 1,760,697; May 27.
Egg carrier. C. L. Rice. 1,752,574; Apr. 1.
Egg-case filler. M. M. Benoit. 1,754,541; Apr. 15.
Egg-cleaning apparatus. L. G. Cramer. 1,776,784; Sept. 30.
Egg cutter. P. Michelon and G. Fugier. 1,750,484; Mar. 11.
Egg gatherer. A. De Paemelaere. 1,749,472; Mar. 4.
Egg-handling machine. E. G. Larsen. 1,779,174; Oct. 21.
Egg-inspection apparatus. J. F. Mahlstedt. 1,764,802; June 17.
Egg opener. D. H. Jones. 1,765,491; June 24.
Egg-preserving machine. A. E. Lindstrom. 1,749,219; Mar. 4.
Egg-protecting means. P. A. A. Rouls. 1,749,675; Mar. 4.
Egg rack. A. J. Hyde. 1,754,020; Apr. 8.
Egg separator. H. Kramer. 1,759,512; May 20.
Egg separator. A. Neubert. 1,744,665; Jan. 21.
Egg tester. H. A. Packard. 1,777,014; Sept. 30.
Egg-testing device. J. Pampe. 1,760,658; May 27.
Egg-testing device. A. Vesperman. 1,753,488; Apr. 8.
Egg-turning device. R. L. Strain. 1,766,410; June 24.
Egg whip and the like. S. Schiff. 1,785,563; Dec. 16.
Egg-yolk substitutes, Production of. B. Rewald. 1,762,077; June 3.
Eggs, Apparatus for separating and collecting the whites and yolks of. J. W. Eskholme. 1,747,432; Feb. 18.
Eggs from fish hatcheries, Device for removing. J. Berger. 1,759,729; May 20.
Eggs, Preservation of. S. Fowler and E. Edser. 1,742,386; Jan. 7.
Eggs, Preserving. T. M. Rector. 1,744,575; Jan. 21.
Eggs, Preserving. D. E. Seaward. 1,785,461; Dec. 16.
Ejecting device. A. G. Lockwood. 1,776,161; Sept. 16.
Ejecting implement for cold-pressed headed bolts. K. Nagel. 1,743,564; Jan. 14.
Ejector for the contents of collapsible tubes. S. G. Johnson. 1,773,104; Aug. 19.
Ejector in series. J. G. Weir. 1,777,239; Sept. 30.
Elastic band structure. L. Nachman and S. Finkelstein. 1,751,595; Mar. 25.
Elastic fabric, Curvilinear. J. V. Moore. 1,770,740; July 15.
Elastic fabric, Curvilinear. J. V. Moore. 1,772,955; Aug. 12.
Elastic fabric, Making curvilinear. J. V. Moore. 1,772,956; Aug. 12.
Elastic fabric, Mechanism and method for producing. J. V. Moore. 1,772,957; Aug. 12.
Elastic fabric, Producing. J. V. Moore. 1,772,958; Aug. 12.
Elastic fabrics, Knitting. R. J. Wilkinson. 1,775,033; Sept. 2.
Elastic reciprocating member. S. A. Guiberson, jr. 1,786,012; Dec. 23.
Elastic strand, Covered. L. B. Chisholm. 1,766,776; June 24.
Elastic tension device. L. Spino and J. Nicoletta. 1,759,719; May 20.
Elastic tubular articles, Method and apparatus for severing. G. F. Wilson. 1,758,729; May 13.
Elastic webbing. H. Aull. Des. 81,319; June 10.
Elastic webbing. G. E. Clauss. 1,747,051; Feb. 11.
Elastic webbing. J. Hirsch. 1,782,041; Nov. 18.
Elastic woven fabric. T. F. Moore. 1,755,787; Apr. 22.
Electric accumulator. H. Leitner. 1,750,230; Mar. 11.
Electric accumulator. C. H. O. Lubeck. 1,785,202; Dec. 16.
Electric air heater, Portable. A. T. Linccum. 1,749,039; Mar. 4.
Electric apparatus. C. A. Birch-Field. 1,745,974; Feb. 4.
Electric apparatus. W. H. F. Schmieding. 1,744,283; Jan. 21.
Electric apparatus, Yielding drive for dynamo. R. P. Lansing. 1,743,222; Jan. 14.
Electric appliance for the measuring of the acuteness of hearing. H. Sell. 1,778,985; Oct. 21.
Electric barriers and the like, Securing. P. Nicholay. 1,786,446; Dec. 30.
Electric battery. C. A. Gillingham. 1,758,362; May 13.
Electric battery. W. E. Holland. 1,744,896; Jan. 28.
Electric battery. W. E. Holland. 1,781,640; Nov. 11.
Electric boiler. L. H. Veronneau. 1,745,068; Jan. 28.
Electric brake. E. N. Baldwin. 1,775,582; Sept. 9.
Electric braking. L. Janisch and W. Welsch. 1,760,556; May 27.
Electric bulb or similar article. G. Niebel. Des. 82,049; Sept. 16.
Electric bulb or similar article. G. Niebel. Des. 82,515; Nov. 11.
Electric bulb or similar article. G. Niebel. Des. 82,687; Dec. 2.
Electric bulbs, Base construction for. A. C. Korte, S. Redeker, and K. Mahnke. 1,753,609; Apr. 8.
Electric cell. B. W. Bullen and F. J. Wallace. 1,773,445; Aug. 19.
Electric cell. A. Helbronner and E. Dutt. 1,777,202; Sept. 30.
Electric-cell-testing machine. V. T. Comer. 1,781,914; Nov. 18.
Electric-circuit controlling and timing device. H. C. Wanner and L. H. Moss. 1,749,404; Mar. 4.
Electric compensator. R. E. Bates. 1,755,345; Apr. 22.
Electric conductor. A. Hart. 1,776,903; Sept. 30.
Electric conductors, Pole attachment for. R. G. Williams. 1,754,924; Apr. 15.
Electric connector. L. Desloge. 1,744,071; Jan. 21.
Electric connector. F. C. Kollath. 1,743,821; Jan. 14.
Electric contact. C. F. Carpenter. 1,770,839; July 15.
Electric contact clip. E. P. Seghers. 1,768,936; July 1.
Electric control device. W. A. Marrison. 1,757,727; May 6.
Electric control for reducing valves, etc. C. D. Peterson. 1,755,020; Apr. 15.
Electric control system, Dynamo-. E. B. Thurston. 1,754,779; Apr. 15.
Electric control, Thermostatically-actuated. W. W. Williams. 1,763,573; June 10.
Electric controller. R. R. Dunlop. 1,780,703; Nov. 4.
Electric controller, Liquid. H. Brooke. 1,784,332; Dec. 9.
Electric controller of the liquid type. V. Breeze. 1,762,007; June 3.
Electric convenience outlet. G. Carlson. 1,776,146; Sept. 16.
Electric cooking appliance. A. and M. Bersted. 1,759,431; May 20.
Electric-cord swivel connector. J. March and J. Dailey. 1,746,159; Feb. 4.
Electric-cord take-up. B. Gottlieb. 1,748,601; Feb. 25.
Electric couple, Asymmetric. S. Ruben. 1,751,359; Mar. 18.
Electric couple, Asymmetric. S. Ruben. 1,751,460; Mar. 18.
Electric coupling. F. Coates. 1,786,600; Dec. 30.
Electric coupling member. D. G. Robinson. 1,764,227; June 17.
Electric-current connection. J. Lofgren. 1,750,014; Mar. 11.
Electric-current-outlet member. T. C. Powell. 1,754,646; Apr. 15.
Electric currents, Apparatus for rectifying alternating. L. H. Peter. 1,750,123; Mar. 11.
Electric currents, Device for interrupting. J. H. J. Maartens. 1,774,446; Aug. 26.
Electric currents, Separating undesired from desired. E. G. Gage. 1,758,940; May 20.
Electric depilator. X. R. Oliver. 1,747,643; Feb. 18.
Electric device for cooking food or the like. L. E. Sater. 1,754,574; Apr. 15.
Electric device, Piezo-. W. A. Marrison. 1,746,788; Feb. 11.
Electric device, Vapor. C. A. Sabbah. 1,752,204; Mar. 25.
Electric discharge device. E. F. W. Alexanderson. 1,787,300; Dec. 30.
Electric discharge device. C. Bol and J. J. Numans. 1,761,175; June 3.
Electric discharge device. F. W. Peek, jr. 1,783,052; Nov. 25.
Electric discharge device. J. E. Potter. 1,756,878; Apr. 29.
Electric-discharge device. H. C. Rentschler. 1,760,524; May 27.
Electric discharge, Device for producing an. L. N. Brillouin. 1,752,228; Mar. 25.
Electric discharge tube, Luminous. J. J. Madine. 1,764,048; June 17.
Electric distribution system. A. E. Anderson. 1,751,380; Mar. 18.
Electric distribution system. T. F. Barton. 1,780,068; Nov. 4.
Electric distribution system. D. K. Blake. 1,785,612; Dec. 16.
Electric distribution system. D. K. Blake. 1,785,720-1; Dec. 16.

- Electric distribution system. W. J. McLachlan. 1,785,710-13; Dec. 16.
- Electric distribution, System of. A. E. Anderson. 1,743,748; Jan. 14.
- Electric distribution, System of. E. H. Hall. 1,743,771; Jan. 14.
- Electric drill. E. L. Connell. 1,754,222; Apr. 15.
- Electric drill. M. Lynam. 1,742,961; Jan. 7.
- Electric drives, Control for. R. D. Krape. 1,776,158; Sept. 16.
- Electric fan, oscillating. N. W. Gilbert and A. E. Jabet. 1,757,797; May 6.
- Electric feeler mechanism. H. A. Gowing and S. O. Dodge. 1,747,296; Feb. 18.
- Electric fire or radiator. H. H. Berry. 1,768,284; June 24.
- Electric fitting. G. W. Goodridge. 1,754,999; Apr. 15.
- Electric fixture. H. T. Palste. 1,756,929; Apr. 29.
- Electric fixture. P. C. Shapiro. 1,758,129; May 13.
- Electric fixture. S. Sharlin. Des. 81,029; Apr. 22.
- Electric-fixture device. L. Kozlowski. 1,783,020; Nov. 25.
- Electric furnace. A. J. Asch. 1,757,895; May 6.
- Electric furnace. E. Bornand and H. A. Schlaepfer. 1,754,142; Apr. 8.
- Electric furnace. R. M. Cherry. 1,755,051; Apr. 15.
- Electric furnace. A. E. Greene. 1,751,913; Mar. 25.
- Electric furnace. A. Imbery. 1,784,670; Dec. 9.
- Electric furnace. C. L. Ipsen. 1,751,408; Mar. 18.
- Electric furnace. W. Keenan. 1,751,334; Mar. 18.
- Electric furnace. A. D. Keene. 1,763,239; June 10.
- Electric furnace. A. Stansfield. 1,748,805; Feb. 25.
- Electric furnace. C. Steenstrup. 1,771,942; July 29.
- Electric furnace. H. W. Strong. 1,762,201; June 10.
- Electric furnace. M. Unger. 1,786,322; Dec. 23.
- Electric energy, System for the generation and distribution of. C. L. Hommel. 1,783,935; Dec. 2.
- Electric energy translating. J. L. Fearing. 1,743,443; Jan. 14.
- Electric generator. L. L. Borreson. 1,773,074; Aug. 12.
- Electric generator. H. J. Graham. 1,776,233; Sept. 16.
- Electric heater. C. C. Abbott. 1,770,823-4; July 15.
- Electric heater. B. Bognar. 1,767,044; June 24.
- Electric heater. E. V. Conklin. 1,774,635; Sept. 2.
- Electric heater. G. Eaton. 1,753,601; Apr. 8.
- Electric heater. A. E. Ellinger. Des. 82,490; Nov. 11.
- Electric heater. A. K. Fischer. 1,771,752; July 29.
- Electric heater. E. F. Holinger. 1,782,825; Nov. 25.
- Electric heater. L. P. Hynes. 1,760,065; May 27.
- Electric heater. H. V. Leckie and W. H. Woodford. 1,767,294; June 24.
- Electric heater. C. S. Mallett and G. W. Heinbuch. 1,773,687; Aug. 19.
- Electric heater. L. McKinney. 1,778,807; Oct. 21.
- Electric heater. E. B. Overshiner. 1,751,754; Mar. 25.
- Electric heater. C. Packeritz. 1,743,566; Jan. 14.
- Electric heater. C. P. Randolph. 1,742,558; Jan. 7.
- Electric heater and vaporizer. I. E. Aske. 1,770,384; July 15.
- Electric-heater element and making same. J. W. Greenleaf. 1,745,757; Feb. 4.
- Electric heater, Variable. A. Fazekas. 1,779,668; Oct. 28.
- Electric heating apparatus, Automatic. F. W. Andrews. 1,753,190; Apr. 8.
- Electric immersion heater. H. J. Rider. 1,773,546; Aug. 19.
- Electric impulses and for controlling the orientation of commutators, Arrangement for reception of. A. Barnay. 1,746,881; Feb. 11.
- Electric indicating instrument. M. E. Cheney. 1,753,917; Apr. 8.
- Electric indicating instrument. M. J. Huggins. 1,745,488-9; Feb. 4.
- Electric inductance furnace. W. Esmarch. 1,748,706; Feb. 25.
- Electric induction furnace. A. E. Greene. 1,751,912; Mar. 25.
- Electric insect destroyer. A. J. Frost. 1,754,748; Apr. 15.
- Electric installation in combination with pressure-splitting device. A. D. Riccia. 1,760,777; May 27.
- Electric ionization device. E. E. Charlton. 1,747,050; Feb. 11.
- Electric iron. P. S. Campbell. 1,781,158; Nov. 11.
- Electric iron. C. De Atley. 1,764,246; June 17.
- Electric jack. S. M. Kenerson. 1,777,755; Oct. 7.
- Electric journal boxes, switch boxes, etc., Knock-out for. S. Hammer. Re17,765; Aug. 12.
- Electric light and radio power plant and battery-charging system, Combined. C. F. Hauntz. 1,764,447; June 17.
- Electric-light-bulb jacket or similar article. H. E. Bleier. Des. 82,724; Dec. 9.
- Electric-light fixture, Ceiling. W. Knapp. 1,748,352; Feb. 25.
- Electric light, portable. E. L. Brown. Des. 82,133; Sept. 30.
- Electric lock. A. Cook. 1,774,636; Sept. 2.
- Electric lock. W. C. McWhirter. 1,782,788; Nov. 25.
- Electric machine. A. Preedit. 1,762,455; June 10.
- Electric machine. B. H. Wappler and C. Fayer. 1,748,812; Feb. 25.
- Electric machine, Alternating-current. H. de Pistoye. 1,755,815; Apr. 22.
- Electric machine, Alternating-current dynamo-. J. I. Hull. 1,742,957; Jan. 7.
- Electric machine, Double-speed, synchronous, dynamo-. P. L. Alger. 1,770,871; July 15.
- Electric machine, Double-speed, synchronous, dynamo. R. W. Wieseman. 1,752,871; Apr. 1.
- Electric machine drive, Synchronous variable-speed. W. R. Perry. 1,757,734; May 6.
- Electric machine, Dynamo-. V. G. Apple. 1,756,501; Apr. 29.
- Electric machine, Dynamo-. J. M. Barr. 1,756,672; Apr. 29.
- Electric machine, Dynamo-. F. Creedy. 1,781,538; Nov. 11.
- Electric machine, Dynamo-. J. F. H. Douglas. 1,785,515; Dec. 16.
- Electric machine, Dynamo-. J. D. Karle. 1,769,785-6; July 1.
- Electric machine, Dynamo-. J. C. MacFarlane and W. A. MacFarlane. 1,761,836; June 3.
- Electric machine, Dynamo-. P. McShane. 1,776,518; Sept. 23.
- Electric machine, Dynamo-. J. M. Pestarini. 1,749,673; Mar. 4.
- Electric machine, Dynamo-. J. M. Pestarini. 1,755,073; Apr. 15.
- Electric machine, Dynamo-. W. E. Richard. 1,753,533; Apr. 8.
- Electric machine, Dynamo-. G. L. Ringland. 1,761,587; June 3.
- Electric machine, Dynamo-. W. A. Turbayne. 1,774,304; Aug. 26.
- Electric machine, Dynamo-. P. Wachsmann. 1,783,064; Nov. 25.
- Electric machine, Dynamo-. J. D. Wallace and C. H. Landis. 1,750,446; Mar. 11.
- Electric machine, Dynamo-. J. H. Yeager. 1,772,655; Aug. 12.
- Electric-machine element, Dynamo-. V. G. Apple. 1,784,815; Dec. 16.
- Electric-machine elements, Winding dynamo-. V. G. Apple. 1,780,456; Nov. 4.
- Electric machine, Polyphase commutator dynamo-. A. Heyland. 1,754,017; Apr. 8.
- Electric-machine stator, Dynamo-. J. M. Barr. 1,742,182; Jan. 7.
- Electric machine, Synchronous dynamo-. J. F. H. Douglas and E. W. Kane. 1,782,200; Nov. 18.
- Electric machine, Totally inclosed and ventilated. H. Perlesz. 1,759,415; May 20.
- Electric machines, Commutation in dynamo-. J. Kozisek. 1,774,332; Aug. 26.
- Electric machines, Corona elimination in dynamo-. M. Schenkel. 1,784,997; Dec. 16.
- Electric machines, Exciter and exciting system for dynamo-. W. Seiz. 1,761,753; June 3.
- Electric machines, Leakage-flux shield for dynamo-. I. Yokota. 1,769,816; July 1.
- Electric machines, Standardizing the manufacture of dynamo-. T. Schou. 1,751,559; Mar. 25.
- Electric machines, Winding for. W. J. Krause. 1,776,767; Sept. 23.
- Electric machines, Winding for dynamo-. R. Langlois. 1,747,941; Feb. 18.
- Electric mat switch. R. H. Brockman. 1,776,992; Sept. 30.
- Electric meat and like, Roaster. J. Seegmuller. 1,765,247; June 17.
- Electric melting furnace. F. Linnhoff. 1,782,359; Nov. 18.
- Electric meter. E. H. Freeman. 1,768,552; July 1.
- Electric meter. H. Frohlich. 1,770,204; July 8.
- Electric meter. H. W. Roeling, B. F. Austin, and J. G. Bauer. 1,745,272; Jan. 28.
- Electric meter. C. D. Sutton. 1,782,519; Nov. 25.
- Electric-meter connection. H. J. Blakeslee. 1,747,217; Feb. 18.
- Electric mixer. B. Gould. 1,743,271; Jan. 14.
- Electric mixer. B. Gould. 1,774,509; Sept. 2.
- Electric motor. J. Alexander. 1,761,767; June 3.
- Electric motor. J. Erickson. 1,778,938; Oct. 21.
- Electric motor. B. L. McNeerney. 1,782,242; Nov. 18.
- Electric motor. A. E. Oswald. 1,750,122; Mar. 11.
- Electric motor. A. E. Oswald. 1,754,645; Apr. 15.
- Electric motor. A. E. Oswald. 1,762,735; June 10.
- Electric motor. L. M. Perkins. 1,766,799; June 24.
- Electric motor. M. C. Spencer. 1,761,159; June 3.
- Electric motor. W. Stumpf. 1,770,113; July 8.
- Electric motor. J. F. Whelan. 1,761,552; June 3.
- Electric motor. A. Wiedner. 1,764,921; June 17.
- Electric motor and dynamo machine. H. B. Mortimer. 1,748,075; Feb. 25.
- Electric-motor block with speed-reducing device, Portable. L. A. Wisler. 1,744,998; Jan. 28.
- Electric motor, Compensated asynchronous. P. Lettrilhart. 1,751,484; Mar. 25.
- Electric motor, Demountable. E. Knecht. 1,778,678; Oct. 14.
- Electric motor, Inverted. E. Cornella. 1,780,867; Nov. 4.
- Electric motor, Reciprocating. E. G. Parvin. 1,745,503; Feb. 4.
- Electric motor, Self-cooled. G. C. Breidert. 1,779,657; Oct. 28.
- Electric motor, Synchronous. R. Valverde. 1,758,417; May 13.
- Electric motors, Apparatus for controlling. J. B. Wiard. 1,773,712; Aug. 19.
- Electric motors, Control for. F. C. McNicol. 1,775,730; Sept. 16.

- Electric oscillations, Apparatus for producing. A. M. Nicolson. 1,760,251; May 27.
- Electric oscillator system. P. T. Farnsworth. 1,758,359; May 13.
- Electric outlet device. H. E. Slade. 1,759,595; May 20.
- Electric packer. M. A. Harris. 1,753,412; Apr. 8.
- Electric pickup. H. P. Donle. 1,774,494; Aug. 26.
- Electric pick-up device. E. Toman. 1,786,042; Dec. 23.
- Electric portable cluster, Adjustable. M. B. Bowen. 1,749,799; Mar. 11.
- Electric power distribution. W. Spennemann. 1,762,672; June 10.
- Electric prepayment supply system. R. Hornby and E. H. Wratten. 1,743,777; Jan. 14.
- Electric protective arrangement. C. Kibblewhite. 1,747,247; Feb. 18.
- Electric protective arrangement for A. C. power circuits. J. R. Beard. 1,779,724; Oct. 28.
- Electric protective system. C. C. Gallop and G. H. Gardner. 1,770,398; July 15.
- Electric reciprocating motor. J. A. Traylor. 1,772,596; Aug. 12.
- Electric refining furnace. T. F. Baily. 1,778,578; Oct. 14.
- Electric reflecting heater. W. W. Hicks. 1,785,413; Dec. 16.
- Electric regulation. J. L. Creveling. 1,766,489; June 24.
- Electric regulator. H. M. Stoller. 1,763,016-17; June 10.
- Electric regulator, Automatic. J. PeSout. 1,745,447; Feb. 4.
- Electric regulator or overload-limiting apparatus, Automatic. A. Barbagelata. 1,787,303; Dec. 30.
- Electric resistance. C. S. Hawley. 1,760,057; May 27.
- Electric resistance unit. D. L. Summey. 1,776,845; Sept. 30.
- Electric scintillating jeweler's advertising device. A. E. Gover. 1,771,710; July 29.
- Electric selector mechanism. H. L. Krum. 1,783,382; Dec. 2.
- Electric service connection. J. H. Cannon. 1,755,166; Apr. 22.
- Electric signal. M. F. Alder. 1,784,326; Dec. 9.
- Electric signaling system and apparatus. J. Maher. 1,774,025; Aug. 26.
- Electric snap switch. W. C. Tregoning. 1,783,635-6; Dec. 2.
- Electric snap switch. F. A. Young and R. H. Boardman. 1,782,836; Nov. 25.
- Electric space-discharge devices, Operation of. G. H. Stevenson. 1,763,015; June 10.
- Electric supply system. C. P. Randolph and F. H. McCormick. 1,749,718; Mar. 4.
- Electric steam boiler. E. L. Emerson. 1,775,122; Sept. 9.
- Electric switch. F. B. Adam. 1,786,727; Dec. 30.
- Electric switch. C. D. Ainsworth. 1,765,363; June 24.
- Electric switch. C. D. Ainsworth. 1,768,535-6; July 1.
- Electric switch. J. A. Amos. 1,777,067; Sept. 30.
- Electric switch. J. M. Andersen. 1,774,627; Sept. 2.
- Electric switch. C. A. Anderson and J. C. Osborn. 1,754,494; Apr. 15.
- Electric switch. F. W. Andrew. 1,764,596; June 17.
- Electric switch. R. H. Baker and C. W. Parsons. 1,783,690; Dec. 2.
- Electric switch. T. S. Bindschedler. 1,773,164; Aug. 19.
- Electric switch. F. A. Boedcher. 1,768,027; June 24.
- Electric switch. T. A. Both. 1,785,068; Dec. 16.
- Electric switch. A. J. Bowie. 1,748,752; Feb. 25.
- Electric switch. C. Bramming. Re17,897; Dec. 9.
- Electric switch. G. Brühlmann. 1,754,349; Apr. 15.
- Electric switch. I. W. Burgess. 1,783,903; Dec. 2.
- Electric switch. G. A. Burgess. 1,786,935; Dec. 30.
- Electric switch. G. A. Burnham. 1,777,072; Sept. 30.
- Electric switch. H. E. Campbell and E. F. Meckelburg. 1,782,916; Nov. 25.
- Electric switch. L. Caruso. 1,744,950; Jan. 28.
- Electric switch. V. A. Conklin. 1,752,236; Mar. 25.
- Electric switch. J. R. Cook. 1,781,441; Nov. 11.
- Electric switch. F. C. DeReamer and W. R. Young. 1,751,398; Mar. 18.
- Electric switch. V. R. Despard. 1,784,514; Dec. 9.
- Electric switch. H. A. Douglas. 1,761,434; June 3.
- Electric switch. H. A. Douglas. 1,775,990; Sept. 16.
- Electric switch. A. H. Fleet. 1,757,709; May 6.
- Electric switch. F. W. Gay. 1,753,650; Apr. 8.
- Electric switch. B. E. Getchell. 1,744,626; Jan. 21.
- Electric switch. B. E. Getchell. 1,771,214; July 22.
- Electric switch. B. E. Getchell. 1,783,421; Dec. 2.
- Electric switch. L. H. Goetz. 1,763,649; June 17.
- Electric switch. G. W. Goodridge. 1,771,329; July 22.
- Electric switch. M. Guett. 1,744,629; Jan. 21.
- Electric switch. C. H. D. Hayward. 1,772,147; Aug. 5.
- Electric switch. E. M. Hewlett and W. W. Willard. 1,781,178; Nov. 11.
- Electric switch. J. D. Hilliard. 1,760,554; May 27.
- Electric switch. J. D. Hilliard. 1,784,669; Dec. 9.
- Electric switch. J. J. Hogan. 1,758,793; May 13.
- Electric switch. A. G. Horvath. 1,765,016; June 17.
- Electric switch. L. Kellner. 1,780,894; Nov. 4.
- Electric switch. S. M. Kenerson. 1,773,583; Aug. 19.
- Electric switch. A. Krastin. 1,783,656; Dec. 2.
- Electric switch. J. S. Lawson. 1,784,735; Dec. 9.
- Electric system. T. C. Lenox. 1,783,804; Dec. 2.
- Electric switch. N. D. Levin. 1,779,043; Oct. 21.
- Electric switch. W. B. March. 1,780,026; Oct. 28.
- Electric switch. T. R. Martin. 1,766,526; June 24.
- Electric switch. I. E. McCabe. 1,777,887; Oct. 7.
- Electric switch. E. F. Meckelburg. 1,753,016; Apr. 1.
- Electric switch. G. J. Meuer. 1,773,595; Aug. 19.
- Electric switch. G. J. Meuer. 1,780,434; Nov. 4.
- Electric switch. G. J. Meuer. 1,783,298; Dec. 2.
- Electric switch. G. J. Meuer. 1,783,665; Dec. 2.
- Electric switch. E. and H. Moxter. 1,757,054; May 6.
- Electric switch. E. Nielsen. 1,764,337; June 17.
- Electric switch. H. E. Norviel. 1,749,352; Mar. 4.
- Electric switch. H. E. Norviel. 1,750,280; Mar. 11.
- Electric switch. H. E. Norviel. 1,753,620; Apr. 8.
- Electric switch. H. E. Norviel. 1,779,444; Oct. 28.
- Electric switch. H. E. Norviel. 1,785,911-2; Dec. 23.
- Electric switch. H. E. Norviel and V. Ecoff. 1,753,621; Apr. 8.
- Electric switch. A. J. Pahl. 1,769,600; July 1.
- Electric switch. L. A. M. Phelan. 1,745,640; Feb. 4.
- Electric switch. L. A. M. Phelan. 1,774,108-9; Aug. 26.
- Electric switch. O. H. Pieper and C. R. Meitzler. 1,743,232; Jan. 14.
- Electric switch. F. H. Prescott. 1,753,624; Apr. 8.
- Electric switch. P. P. Quayle. 1,752,930; Apr. 1.
- Electric switch. S. Ruppel. 1,772,291; Aug. 5.
- Electric switch. C. H. Sanderson. 1,751,364; Mar. 18.
- Electric switch. M. Schleicher. 1,746,363; Feb. 11.
- Electric switch. O. Schneider. 1,776,600; Sept. 23.
- Electric switch. S. L. Snelerson and J. L. Hildebrand. 1,782,516; Nov. 25.
- Electric switch. C. F. Schwenker. 1,760,529; May 27.
- Electric switch. E. E. Smart. 1,746,911; Feb. 11.
- Electric switch. R. D. Smith. 1,767,709; June 24.
- Electric switch. A. Splittberger. 1,755,083; Apr. 15.
- Electric switch. G. Stern. 1,748,905; Feb. 25.
- Electric switch. W. C. Stevens and G. J. Meuer. 1,781,710; Nov. 18.
- Electric switch. G. B. Thomas. 1,757,820; May 6.
- Electric switch. C. Thumim. 1,787,291; Dec. 30.
- Electric switch. G. H. Tovey and C. Thumim. 1,752,127; Mar. 25.
- Electric switch. W. J. Traxel. 1,758,629; May 13.
- Electric switch. H. Trencham. 1,783,062; Nov. 25.
- Electric switch. J. B. Trescott. 1,775,147; Sept. 9.
- Electric switch. V. A. Trier. 1,777,942; Oct. 7.
- Electric switch. H. E. Van Dorn. 1,752,763; Apr. 1.
- Electric switch. H. L. Van Valkenburg. 1,749,200; Mar. 4.
- Electric switch. H. L. Van Valkenburg. 1,754,585; Apr. 15.
- Electric switch. F. G. von Hoorn. Re17,736; July 15.
- Electric switch. L. S. Walle. 1,768,385; June 24.
- Electric switch. K. E. Wenzlawski. 1,781,260; Nov. 11.
- Electric switch. G. O. Wilms. 1,763,027; June 10.
- Electric switch. J. D. Wood. 1,787,227; Dec. 30.
- Electric switch, Automatic. C. E. Hanny. 1,772,412; Aug. 5.
- Electric switch, Coin-controlled. W. Podrouzek. 1,766,354; June 24.
- Electric switch house, Portable metal. M. B. Wood. 1,750,250; Mar. 11.
- Electric switch, Inclosed. H. Brachtl. 1,772,982; Aug. 12.
- Electric switch, Multiple. E. Traub. 1,745,516; Feb. 4.
- Electric switch, Quick-action. A. J. Veall. 1,758,870; May 13.
- Electric switch, Single-button. L. H. Harlow. 1,784,437; Dec. 9.
- Electric switch, Thermostatic. C. K. Davis and A. Dick. 1,766,430; June 24.
- Electric switch, Thermostatically-actuated. I. E. McCabe. 1,762,183; June 10.
- Electric switches, Device for operating. A. H. Brandon. 1,743,314; Jan. 14.
- Electric switches, Operating mechanism for. F. E. Fisher. 1,760,547; May 27.
- Electric system. J. L. Creveling. 1,744,296; Jan. 21.
- Electric system. J. L. Creveling. 1,746,726; Feb. 11.
- Electric system. J. L. Creveling. 1,766,490; June 24.
- Electric system. J. L. Creveling. 1,774,873; Sept. 2.
- Electric system for vehicles. A. H. Neuland. 1,773,844-5; Aug. 26.
- Electric systems, Protection of. G. C. Cree. 1,752,942; Apr. 1.
- Electric systems, Protection of. R. H. Park. 1,752,807; Apr. 1.
- Electric systems, Protection of. H. S. Petch. 1,776,131; Sept. 16.
- Electric tapper, Portable. A. G. Decker. 1,752,422; Apr. 1.
- Electric terminal block. L. W. Serrell. 1,750,246; Mar. 11.
- Electric torch furnace. T. S. Curtis. 1,747,756; Feb. 18.
- Electric transformer. S. Z. De Ferranti. 1,786,899; Dec. 30.
- Electric transmitter suitable for use in automatic telegraphy. R. D. Salmon. 1,773,866; Aug. 26.
- Electric tube display. L. E. Klotz. Des. 81,751; Aug. 5.
- Electric tube, Vacuum. E. Y. Robinson. 1,743,238; Jan. 14.
- Electric tube, Vacuum. E. Y. Robinson. 1,754,120; Apr. 8.
- Electric wave transmission system. P. H. Betts. 1,784,957; Dec. 16.
- Electric waves, Apparatus for producing. J. De Beaumont and E. H. Blum. 1,752,632; Apr. 1.

- Electric waves, Directive projecting system of. H. Yagi. 1,745,342; Jan. 28.
- Electric weld remover. R. R. Cravens. 1,746,462; Feb. 11.
- Electric winding, Weatherproof. H. H. Wermine. 1,763,115; June 10.
- Electric winding with variable pitch. A. S. Kanter. 1,754,685; Apr. 15.
- Electric wires, Ornamental conductor for. R. C. Schemmel. Re17,691; June 3.
- Electric wiring device and accessory. I. A. Bennett. 1,782,527; Nov. 25.
- Electrical amplifiers, Methods of and apparatus for operating. E. H. Loftin. 1,763,401; June 10.
- Electrical apparatus. F. G. Back. 1,770,121; July 8.
- Electrical apparatus. J. G. Campbell. 1,768,565; July 1.
- Electrical apparatus. J. G. Campbell and C. Warner. 1,768,564; July 1.
- Electrical apparatus. W. A. Collins. 1,760,837; May 27.
- Electrical apparatus. J. R. Fehr. 1,759,106; May 20.
- Electrical apparatus. F. Firestone. 1,783,234; Dec. 2.
- Electrical apparatus. M. W. Fish. 1,768,591; July 1.
- Electrical apparatus. P. H. Geiger. 1,771,212; July 22.
- Electrical apparatus. P. H. Geiger. 1,774,054; Aug. 26.
- Electrical apparatus. R. M. Gilson. 1,756,589; Apr. 29.
- Electrical apparatus. L. S. Keilholz. 1,768,607; July 1.
- Electrical apparatus. F. W. Lyle. 1,761,635; June 3.
- Electrical apparatus. O. E. Marvel. 1,766,505; June 24.
- Electrical apparatus. M. Moneyron. 1,760,656; May 27.
- Electrical apparatus. J. H. Reyner, B. Wood, and A. H. Curtis. 1,755,934; Apr. 22.
- Electrical apparatus. W. H. F. Schmieding. 1,759,958; May 27.
- Electrical apparatus. W. H. F. Schmieding. 1,768,637; July 1.
- Electrical apparatus. H. A. Thompson. 1,743,253; Jan. 14.
- Electrical apparatus. H. A. Thompson. 1,759,923; May 27.
- Electrical apparatus. L. R. Wilder. 1,746,977; Feb. 11.
- Electrical apparatus. H. M. Williams. 1,776,276; Sept. 23.
- Electrical apparatus. C. W. Wyman. 1,770,504; July 15.
- Electrical apparatus. C. W. Wyman. 1,770,723; July 15.
- Electrical apparatus, Adjusting. G. J. Eltz, jr. 1,759,841; May 27.
- Electrical apparatus and insulating bushing therefor, High-tension. G. E. Jansson. 1,775,529; Sept. 9.
- Electrical apparatus, Compensating for error-producing influences in. H. L. Tanner. 1,743,252; Jan. 14.
- Electrical apparatus for automatically controlling peak demands. E. T. Moore. Re17,851; Oct. 28.
- Electrical apparatus involving cables. R. M. Gilson. 1,748,763; Feb. 25.
- Electrical apparatus, Protection of. J. Kopeliowitsch and J. Kubler. 1,748,719; Feb. 25.
- Electrical apparatus, Reducing hysteresis effects in. H. L. Tanner. 1,749,897; Mar. 11.
- Electrical apparatus, Reducing the effects of residual magnetism in. H. L. Tanner. 1,749,929; Mar. 11.
- Electrical apparatus, System of protection and control for. T. A. E. Belt. 1,755,095; Apr. 15.
- Electrical coil and manufacturing it. C. A. Purdy. 1,748,993; Mar. 4.
- Electrical communicating system. C. R. Gauthier. 1,758,570; May 13.
- Electrical communication-receiving apparatus. J. Herman. 1,769,431; July 1.
- Electrical conditions, Control of. A. A. Oswald and E. J. Sterba. 1,778,725; Oct. 21.
- Electrical conductor. A. B. Dibner. 1,782,812; Nov. 25.
- Electrical conductor. O. A. Frederickson. 1,772,436; Aug. 5.
- Electrical conductor and making the same. F. Palmer and J. E. McAuliffe. 1,781,521; Nov. 11.
- Electrical conductor cords and to an apparatus used in such method, Method of binding the ends of. W. A. Rankin. 1,763,255; June 10.
- Electrical conductor stud and making the same. R. M. Spurck. 1,779,297; Oct. 21.
- Electrical conductors, Apparatus for making. C. E. Vawter. 1,757,692; May 6.
- Electrical conductors, Apparatus for testing. A. H. Adams. 1,782,397; Nov. 25.
- Electrical conductors, Apparatus for testing. G. A. Bouvier and H. L. Case. 1,782,402; Nov. 25.
- Electrical conductors, Apparatus for the manufacture of. J. M. G. Fullman and L. J. Rittelmann. 1,747,769; Feb. 18.
- Electrical conductors, Binding insulated. P. F. Hellermann. 1,748,765; Feb. 25.
- Electrical conductors from extraneous electrical potential, Protection of. R. W. Osborne. 1,773,238; Aug. 19.
- Electrical conductors, Making composite. W. T. Barrans. 1,765,521; June 24.
- Electrical conductors, Method of and apparatus for insulating. A. H. Adams. 1,765,520; June 24.
- Electrical conductors, Method of and apparatus for testing. G. A. Bouvier. 1,782,403; Nov. 25.
- Electrical conductors, Method of and apparatus for testing. F. R. Carrington. 1,743,318; Jan. 14.
- Electrical connector. J. A. Kuller. 1,744,230; Jan. 21.
- Electrical connector. B. P. McKinley. 1,784,020; Dec. 9.
- Electrical connector. H. Neubert. 1,746,161; Feb. 4.
- Electrical connector. H. L. Stanton and A. McB. Crawford. Re17,828; Oct. 14.
- Electrical connector. P. F. Williams. 1,776,275; Sept. 23.
- Electrical connector or similar article. D. L. Hadley. Des. 82,499; Nov. 11.
- Electrical connecting device for electrical connecting systems. S. W. Borden. 1,754,601; Apr. 15.
- Electrical connecting system. S. W. Borden. 1,754,600; Apr. 29.
- Electrical connection. V. C. Hamister. 1,743,888; Jan. 14.
- Electrical connection. I. E. McCabe. 1,752,957; Apr. 1.
- Electrical connection device. H. B. Jones. 1,784,236; Dec. 9.
- Electrical connection plug. B. F. Conner. 1,778,549-50; Oct. 14.
- Electrical contact. A. T. Carter. 1,743,807; Jan. 14.
- Electrical contact. T. S. Fuller. 1,743,768; Jan. 14.
- Electrical contact device. A. M. Curtis. 1,757,703; May 6.
- Electrical contact with crystalline cuprous oxide, Securing good. W. T. Anderson, jr., and L. F. Bird. 1,749,995; Mar. 11.
- Electrical contacts, Producing. J. Shallcross. 1,744,810; Jan. 28.
- Electrical control apparatus. W. M. Brower. 1,756,727; Apr. 15.
- Electrical control apparatus. R. Maclaren. 1,773,234; Aug. 19.
- Electrical control system. L. Johnson. 1,778,672; Oct. 14.
- Electrical control system. J. C. McDonald. 1,753,383; Apr. 8.
- Electrical controlling apparatus. H. S. Young. 1,744,821; Jan. 28.
- Electrical controlling device. F. G. L. Boyer. 1,757,072; May 6.
- Electrical cord switch. W. Huppert. Des. 80,272; Jan. 7.
- Electrical couple, Polarized. P. E. Edelman. 1,773,665; Aug. 19.
- Electrical coupling. J. Buchli. 1,766,594; June 24.
- Electrical detector for railway switches. T. E. D. Marks and B. R. Padmore. 1,776,264; Sept. 23.
- Electrical device. L. T. Robinson. 1,760,527; May 27.
- Electrical device and the manufacture thereof. J. H. Cohen. 1,763,343; June 10.
- Electrical device, Automatically-timed. J. Mulder. 1,751,875; Mar. 25.
- Electrical device for recharging batteries. J. D. Broadfoot. 1,743,593; Jan. 14.
- Electrical device, Oil-insulated. F. M. Clark. 1,776,309; Sept. 23.
- Electrical device, Safety. G. E. Wadsworth. 1,785,290; Dec. 16.
- Electrical devices, Heat treating. H. D. Madden. 1,758,004; May 13.
- Electrical discharge device. W. F. Hendry. 1,769,024; July 1.
- Electrical distribution. B. K. Ozanne. 1,778,465; Oct. 14.
- Electrical distribution and control means therefor, System of. P. F. Williams. 1,782,558; Nov. 25.
- Electrical distribution system. W. R. G. Baker. 1,755,859; Apr. 22.
- Electrical distribution system. D. K. Blake. 1,776,719; Sept. 23.
- Electrical distribution system. E. R. Evans. 1,770,334; July 8.
- Electrical distribution system. W. S. Moody. 1,780,032; Oct. 28.
- Electrical distribution system. W. H. F. Schmieding. 1,768,636; July 1.
- Electrical distribution system. H. P. Sparkes. 1,745,870; Feb. 4.
- Electrical distribution, System and method of. C. T. Siebs. 1,765,458; June 24.
- Electrical distribution, System of. C. T. Siebs. 1,765,460; June 24.
- Electrical element. H. D. Ralston. 1,750,492; Mar. 11.
- Electrical fixture. A. A. Smith. 1,780,847; Nov. 4.
- Electrical fitting. F. A. Tefft. 1,754,066; Apr. 8.
- Electrical flasher. W. G. Keith. 1,775,242; Sept. 9.
- Electrical flash light. J. J. Darlington. 1,755,472; Apr. 22.
- Electrical furnace. H. N. Shaw. 1,742,286; Jan. 7.
- Electrical generating apparatus, Constant-speed multifrequency. W. Dornig. 1,780,702; Nov. 4.
- Electrical generating system. L. M. Goldsmith. 1,777,668; Oct. 7.
- Electrical generating system. F. F. Starr. 1,768,641; July 1.
- Electrical ground connection. E. G. K. Anderson. 1,772,976; Aug. 12.
- Electrical ground rod. G. B. Flenner. 1,745,922; Feb. 4.
- Electrical heating device. J. H. Smith. 1,771,273; July 22.
- Electrical heating unit. C. W. Logan. 1,748,958; Mar. 4.
- Electrical high-resistance unit. S. Loewe. 1,751,587; Mar. 25.
- Electrical indicating device, Method and apparatus for. M. E. Cheney. 1,745,782; Feb. 4.
- Electrical indicating instrument. I. W. Brogger. 1,784,417; Dec. 9.
- Electrical indicating instrument. M. E. Cheney. 1,745,603; Feb. 4.
- Electrical indicating instrument. L. Edenburg. 1,757,659; May 6.
- Electrical indicating instrument. W. C. McCoy. 1,783,851; Dec. 2.

- Electrical induction apparatus. J. Biermanns. 1,758,820; May 13.
- Electrical induction apparatus. L. F. Blume and W. O. Dwyer. 1,756,846; Apr. 29.
- Electrical induction apparatus. M. Unger. 1,769,871; July 1.
- Electrical inductive apparatus and system, Unidirectional. J. W. McNairy. 1,756,924; Apr. 29.
- Electrical impulses. Obtaining high-voltage. N. W. McLachlan. 1,743,152; Jan. 14.
- Electrical installations against overvoltages, System for the protection of. G. Campos. 1,755,979; Apr. 22.
- Electrical instrument. A. J. Allen. 1,782,525; Nov. 25.
- Electrical instrument. K. Klein. 1,758,322; May 13.
- Electrical instrument for diagnosing and assisting defective hearing. B. Langenbeck and H. Sell. 1,750,960; Mar. 18.
- Electrical instruments, Control of. J. W. Legg. 1,764,410; June 17.
- Electrical insulation and means for making the same. J. F. Cullin. 1,748,381; Feb. 25.
- Electrical leakage, Prevention of. E. A. Lederer. 1,752,748; Apr. 1.
- Electrical length of paths for the transmission of electrical energy, Method and apparatus for comparing and adjusting the. F. A. Hubbard. 1,752,528; Apr. 1.
- Electrical line apparatus. E. J. De Right. 1,758,312; May 13.
- Electrical machines, Controlling the output of. C. L. Stokes. 1,768,165; June 24.
- Electrical machines, Slot winding for. L. Roebel. 1,777,226; Sept. 30.
- Electrical machines with transformer banks by phase changing and voltage changing, Connecting. F. W. Gay. 1,782,263; Nov. 18.
- Electrical machines with transformer banks, Connecting. F. W. Gay. 1,782,262; Nov. 18.
- Electrical meter. P. Paschen and G. Reime. 1,765,611; June 24.
- Electrical meter switch. W. T. Arnold. 1,782,454; Nov. 25.
- Electrical method and apparatus. J. Kremer. 1,748,927; Feb. 25.
- Electrical motor. T. P. Kimman. 1,769,063; July 1.
- Electrical movement for loud-speakers. M. C. Hopkins. 1,782,094; Nov. 18.
- Electrical network. K. S. Johnson. 1,781,396; Nov. 11.
- Electrical network. O. J. Zobel. 1,760,973; June 3.
- Electrical outlet. H. R. MacFadyen. 1,773,050; Aug. 12.
- Electrical outlet device, Dual. H. E. Slade. 1,757,748; May 6.
- Electrical panel board. J. Burnett. 1,744,209; Jan. 21.
- Electrical patting instrument. J. O. Cadieux. Des. 81,522; July 8.
- Electrical pick-up. M. C. Hopkins. 1,760,647; May 27.
- Electrical pick-up. W. D. Smith. 1,783,265; Dec. 2.
- Electrical picture-transmission receiving system. F. Gray. 1,745,756; Feb. 4.
- Electrical plug and socket. W. Nonnenman. 1,753,064; Apr. 1.
- Electrical plug receptacle. G. J. Meuer. 1,787,084; Dec. 30.
- Electrical precipitation. H. A. Wintermute and C. W. J. Hedberg. 1,766,421; June 24.
- Electrical precipitating apparatus. A. Arras. 1,767,338; June 24.
- Electrical precipitation, Apparatus for. W. Deutsch. 1,773,963; Aug. 26.
- Electrical precipitation, Apparatus for. W. Sykes. 1,767,265; June 24.
- Electrical precipitation, Method and apparatus for. H. A. Wintermute and C. W. J. Hedberg. 1,766,422; June 24.
- Electrical precipitation of suspended material from gases, Apparatus for. F. Seipp. 1,773,876; Aug. 26.
- Electrical precipitation, System of. C. S. Weyandt. 1,760,461; May 27.
- Electrical precipitator. G. E. McCloskey. 1,752,920; Apr. 1.
- Electrical precipitator construction. H. A. Wintermute and C. W. J. Hedberg. 1,773,835; Aug. 26.
- Electrical protective apparatus. W. Walty. 1,752,970; Apr. 1.
- Electrical protective device. J. S. Peck and G. E. Gittins. 1,745,865; Feb. 4.
- Electrical protective device. A. H. Schirmer. 1,759,023; May 20.
- Electrical protective system. R. Bauch. 1,765,395; June 24.
- Electrical protective system. N. P. Hinton. 1,768,688; July 1.
- Electrical protective system. T. W. Ross. 1,745,867; Feb. 4.
- Electrical protective system. R. A. Shetzline. 1,744,058; Jan. 21.
- Electrical quantities, Measuring. P. A. Borden, H. S. Baker, and L. A. Paine. 1,765,563; June 24.
- Electrical recording apparatus. H. W. Rogers. 1,773,601; Aug. 19.
- Electrical regulation, System and apparatus for. H. Grob. 1,771,537; July 29.
- Electrical regulator. F. H. Clough and H. W. Taylor. 1,775,514; Sept. 9.
- Electrical regulator. C. A. Nickle. 1,743,797; Jan. 14.
- Electrical regulator. R. H. Park. 1,743,798; Jan. 14.
- Electrical regulator. R. D. Parry. 1,784,642; Dec. 9.
- Electrical regulator. F. H. Winter. 1,785,569; Dec. 16.
- Electrical regulator unit, Self-contained. F. W. Hewitt. 1,745,420; Feb. 4.
- Electrical reproducer. H. C. Harrison. 1,747,829; Feb. 18.
- Electrical reproducing device. F. L. Dyer. 1,752,943; Apr. 1.
- Electrical resistance. E. R. Stoekle. 1,767,715; June 24.
- Electrical resistance and formation of the same. Harold Pender. 1,771,055; July 22.
- Electrical resistance and making same. E. R. Stoekle. 1,767,716; June 24.
- Electrical resistance construction. H. Pender. 1,771,056; July 22.
- Electrical resistance device. F. R. and F. Friedrich. 1,772,281; Aug. 5.
- Electrical resistance device. A. S. Howell. 1,745,487; Feb. 4.
- Electrical-resistance elements and the like, Producing. F. Eichenberger. 1,765,572; June 24.
- Electrical resistance furnace. P. Schlenker. 1,745,915; Feb. 4.
- Electrical resistance unit and terminal. W. M. Heina. 1,772,893; Aug. 12.
- Electrical resistance units, Preparation of. L. L. Jones and J. A. Flanzer. 1,762,990; June 10.
- Electrical resistor. L. Bradley. 1,743,705; Jan. 14.
- Electrical resistor. J. F. Tritie. 1,783,863; Dec. 2.
- Electrical resistor, conductor, and the like. J. Kelleher. 1,742,259; Jan. 7.
- Electrical signaling. H. J. J. M. de Regnauld de Bellesize. 1,745,359; Feb. 4.
- Electrical signals, Receiver of high-frequency. A. H. Taylor. 1,743,052; Jan. 7.
- Electrical structure. W. Dubilier. 1,759,230; May 20.
- Electrical supervisory system for automatic control water-gas machines. M. Parsons. 1,778,706; Oct. 14.
- Electrical switch. J. C. Bogle. 1,765,297; June 17.
- Electrical switch. J. H. Cohen. 1,784,820; Dec. 16.
- Electrical switch. W. S. Gould and R. A. Klock. 1,747,069; Feb. 11.
- Electrical switch. J. C. Rea. 1,747,320; Feb. 18.
- Electrical switch. J. C. Rea. 1,783,389; Dec. 2.
- Electrical switch. J. F. Seuffert. 1,777,330; Oct. 7.
- Electrical switch. M. C. Spencer. 1,744,930; Jan. 28.
- Electrical switch. A. G. Steinmayer. 1,745,561; Feb. 4.
- Electrical switch. A. G. Steinmayer. 1,747,035; Feb. 16.
- Electrical switch. K. M. Strand. 1,746,370; Feb. 11.
- Electrical switch. G. O. Wilms. Re17,649; Apr. 22.
- Electrical switch. G. O. Wilms. 1,780,216; Nov. 4.
- Electrical switch apparatus. D. R. Furnas. 1,768,245; June 24.
- Electrical switch, Automatic. R. V. Owen. 1,754,398; Apr. 15.
- Electrical switch, Automatic. R. V. Owen. 1,766,528; June 24.
- Electrical switch, Thermostatically-operated. E. J. Levy. 1,781,289; Nov. 11.
- Electrical switching system. D. Cesareo. 1,751,263; Mar. 18.
- Electrical system. H. I. Becker. 1,774,958; Sept. 2.
- Electrical system. D. C. Prince. 1,752,109; Mar. 25.
- Electrical system. D. C. Prince. 1,779,332; Oct. 21.
- Electrical system. F. W. Springer. 1,749,397; Mar. 4.
- Electrical system and device. G. G. Adams. 1,746,754; Feb. 11.
- Electrical system for outboard motors. A. Schreil and H. J. Hillborn. 1,765,454; June 24.
- Electrical system for secret transmission. J. C. Steinberg. 1,753,353; Apr. 8.
- Electrical system of distribution. E. J. Blake. 1,750,156; Mar. 11.
- Electrical system of distribution. L. Von Ohlsen. 1,745,519; Feb. 4.
- Electrical terminal. E. Miller. 1,771,805; July 29.
- Electrical terminal members, Forming. De H. G. Scrantom. 1,782,447; Nov. 25.
- Electrical testing instrument. A. H. Benson. 1,765,479; June 24.
- Electrical testing system. E. Bruce. 1,781,363; Nov. 11.
- Electrical testing system. J. B. Murphy. 1,759,019; May 20.
- Electrical therapeutic apparatus. R. W. Chapman. 1,757,110; May 6.
- Electrical timing device. F. E. Pendleton. 1,757,733; May 6.
- Electrical transformer. H. J. Cameron. 1,769,906; July 1.
- Electrical transforming system. K. A. Oplinger. 1,764,341; June 17.
- Electrical transmission system. P. W. Blye. 1,750,966; Nov. 11.
- Electrical tuning, Selective. H. N. Bliss. 1,750,060; Mar. 18.
- Electrical Utility machine. F. P. Glosb. 1,772,944; Aug. 12.
- Electrical variations, Control of. O. E. Buckley and J. B. Johnson. 1,778,751; Oct. 21.
- Electrical vibrating motor. F. Cutting and I. G. Maloff. 1,779,114; Oct. 21.
- Electrical winding. A. J. Seymour. 1,748,802; Feb. 25.
- Electrical winding. H. W. Turner. 1,756,892; Apr. 29.
- Electrically conductive article. E. F. Kiefer. 1,774,381; Aug. 26.

- Electrically-driven agitating machine. E. J. Hileman. 1,764,404; June 17.
- Electrically-heated pad. S. E. Skinner. 1,758,177; May 13.
- Electrically-operated derail, Automatic. P. H. Crago. 1,768,668; July 1.
- Electrically-operated switch. S. S. Matthes. 1,751,164; Mar. 18.
- Electrically-operated vibratory devices such as are used in the recording or reproduction of sound. M. Trouton. 1,774,681; Sept. 2.
- Electrically transmitting imagery. F. M. Robb. 1,768,634; July 1.
- Electricity, Discharge bar for neutralizing static. W. H. Chapman. 1,782,340; Nov. 18.
- Electricity meter. A. L. Emens. 1,762,218; June 10.
- Electricity on hides, Method and device for compensating. F. Hausmann. 1,766,512; June 24.
- Electroacoustic device. J. P. Minton and A. S. Ringel. 1,750,900; Mar. 18.
- Electroacoustic device. J. P. Minton and A. S. Ringel. 1,770,491; July 15.
- Electrocapillary device. M. Latour. 1,757,775; May 6.
- Electrode. T. S. Fuller. 1,778,668; Oct. 14.
- Electrode. W. C. Geer. 1,770,514; July 15.
- Electrode. H. C. Rentschler. 1,760,526; May 27.
- Electrode. M. O. Sem. 1,774,674; Sept. 2.
- Electrode. J. Westly. 1,757,695; May 6.
- Electrode and contact element. A. J. Mandell. 1,769,229; July 1.
- Electrode and holder, Combined. V. L. Soderberg. 1,747,685; Feb. 18.
- Electrode and making the same, Arc welding. P. O. Noble and J. A. Capp. 1,770,799; July 15.
- Electrode, Arc welding. B. Turner. 1,773,653; Aug. 19.
- Electrode composition for electron-discharge devices. S. Dushman. 1,747,061-4; Feb. 11.
- Electrode, Earth. S. W. Borden. 1,783,035; Nov. 25.
- Electrode, Flux-coated. A. M. Ross. 1,768,998; July 1.
- Electrode for arc lamps. W. H. Hardman and F. Girvin. 1,775,078; Sept. 2.
- Electrode for arc welding and making the same. E. W. Schwartz and F. R. Kaimer. 1,770,811; July 15.
- Electrode for electric welding or soldering. E. J. Clarke. 1,763,417; June 10.
- Electrode for electrical precipitators, Collecting. C. B. Clyne. 1,773,951; Aug. 26.
- Electrode for electrolytic cells. E. F. Lundeen. 1,749,145; Mar. 4.
- Electrode for electrolytic condensers and the like. R. D. Merzhon. 1,784,532; Dec. 9.
- Electrode for the electric arc. E. K. Dewey. 1,774,694-5; Sept. 2.
- Electrode joint. C. Kuhlmann. 1,785,587; Dec. 16.
- Electrode, Resistance welding. R. E. Powell. Re17,604; Feb. 25.
- Electrode, Sponge. F. H. Wappler and W. Loos. 1,769,090; July 1.
- Electrode suitable for arc welding. F. Meunier. 1,754,116; Apr. 8.
- Electrode with insulating tip, High-frequency vesical. M. Molony. 1,770,653; July 15.
- Electrodes, Apparatus for removing dust from. A. L. Labbe. 1,758,404; May 13.
- Electrodes, Coating for welding. R. E. Kinkead. 1,778,392; Oct. 14.
- Electrodes in glass tubes, Fixing. F. B. Hale. 1,775,198; Sept. 9.
- Electrodes, Manufacture of self-baking. M. O. Sem and C. W. Söderberg. 1,751,177; Mar. 18.
- Electrodeposition of rubber. W. A. Williams. 1,779,841; Oct. 21.
- Electrodynamic device. E. C. Wente. 1,766,473; June 24.
- Electrolier. C. De Witt. Des. 80,308; Jan. 14.
- Electrolier. D. Frankel. Des. 81,636-7; July 22.
- Electrolysis. U. C. Tainton. 1,759,493; May 20.
- Electrolysis device. J. Brigida. 1,781,362; Nov. 11.
- Electrolyte for lead accumulators and using the same. M. Kugel. 1,748,485; Feb. 25.
- Electrolyte for rectifiers, condensers, and the like and making the same. W. D. Dooley. 1,748,011; Feb. 18.
- Electrolytic apparatus. W. G. Allan. 1,771,984; July 29.
- Electrolytic apparatus. F. G. Clark and J. N. Smith. 1,757,235; May 6.
- Electrolytic apparatus. A. E. Knowles. 1,767,375; June 24.
- Electrolytic apparatus for refining aluminum and for like processes. P. L. Hulin. 1,782,616; Nov. 25.
- Electrolytic cell. P. K. Aubel. 1,745,348; Feb. 4.
- Electrolytic cell. W. E. Holland and L. J. Pearson. 1,781,641; Nov. 11.
- Electrolytic cell. A. E. Hudd. 1,758,255; May 13.
- Electrolytic cell. F. Lawaczek. 1,771,097; July 22.
- Electrolytic cell. F. F. Poland. 1,745,688; Feb. 4.
- Electrolytic-cell hook-up. F. H. Buck. 1,766,875; June 24.
- Electrolytic cells and the like, Apparatus for cooling. R. A. Klock. 1,766,026; June 24.
- Electrolytic method of cleaning metal. T. E. Dunn. 1,775,671; Sept. 16.
- Electrolytic process and apparatus. H. C. Harrison. 1,768,358; June 24.
- Electrolytic rectifier. L. P. Bensing. 1,775,417; Sept. 9.
- Electrolytic rectifier. A. W. Hull. 1,769,837; July 1.
- Electrolytic rectifier. E. F. Lundeen. 1,769,228; July 1.
- Electrolytic system. J. W. Scott. 1,764,650; June 17.
- Electrolyzer. L. Ughetti La Corsa. 1,770,789; July 15.
- Electromagnet. E. R. Carichoff. 1,758,782; May 13.
- Electromagnet. E. W. Petzing. 1,763,007; June 10.
- Electromagnet. P. Trombetta. 1,761,759; June 3.
- Electromagnet. H. F. Waters and V. R. Brown. 1,767,725; June 24.
- Electromagnet. L. J. Wick. 1,765,958; June 24.
- Electromagnet device. A. N. Van Nostrand. 1,744,346; Jan. 21.
- Electromagnetic apparatus. L. L. Nettleton and H. O. Holte. 1,742,367; Jan. 7.
- Electromagnetic apparatus for the transmission of images. L. Thurm. 1,771,360; July 22.
- Electromagnetic blow-out device. R. E. Hellmund. 1,751,205; Mar. 18.
- Electromagnetic brake. F. O. Clizbe. 1,783,280; Dec. 2.
- Electromagnetic control system. A. A. Thomas. 1,774,619; Sept. 2.
- Electromagnetic controlling apparatus. J. Pfretzschner. 1,749,842; Mar. 11.
- Electromagnetic coupling. B. Wittkubns. 1,787,225; Dec. 30.
- Electromagnetic device. F. J. Fox. 1,770,131; July 8.
- Electromagnetic device. J. R. Fry. 1,762,774; June 10.
- Electromagnetic device. C. I. Hall. 1,769,877; July 1.
- Electromagnetic device. J. T. E. Hillhouse. 1,743,453; Jan. 14.
- Electromagnetic device. E. D. Mead. 1,763,003; June 10.
- Electromagnetic device. N. Y. Priessman. 1,763,008; June 10.
- Electromagnetic device. C. F. Robinson. 1,744,922; Jan. 28.
- Electromagnetic draining device. H. Van Keuren. 1,786,878; Dec. 30.
- Electromagnetic pick-up. M. Alden. 1,756,966; May 6.
- Electromagnetic pick-up device. R. Hillner. 1,774,975; Sept. 2.
- Electromagnetic relay for controlling electric circuits. M. Tchoubritsch. 1,773,649; Aug. 19.
- Electromagnetic reproducer. J. Weinberger. 1,770,501; July 15.
- Electromagnetic reproducer or recorder. W. C. Jones. 1,762,991; June 10.
- Electromagnetic sound-producing device. J. H. Van Wagenen. 1,786,465; Dec. 30.
- Electromagnetic sound reproducer. W. C. Anderson. 1,777,271; Sept. 30.
- Electromagnetic sound reproducer. P. Rootes. 1,778,402; Oct. 14.
- Electromagnetic switch. F. Döring and K. Müller. 1,756,540; Apr. 29.
- Electromagnetic system. H. C. Harrison. 1,773,082; Aug. 12.
- Electromagnetic transmitter. A. A. Thomas. 1,780,409; Nov. 4.
- Electromagnetic transmitter and receiver. A. A. Thomas. 1,778,048; Oct. 14.
- Electromagnetic translating device. A. A. Thomas. Re17,617; Mar. 4.
- Electromagnetic unit and method of and apparatus for calibrating the flux thereof, Polarized push-pull. M. R. Hutchison. 1,774,920; Sept. 2.
- Electromagnetically-controlled hydraulic governor for electric and other arc furnaces. L. Tagliaferri. 1,774,213; Aug. 26.
- Electromechanical apparatus for the automatic dropping of any article. R. Alkan and G. Lesourd. 1,765,897; June 24.
- Electromechanical device of the induction type. E. W. Challans. 1,748,944; Mar. 4.
- Electromechanical system. W. G. Cady. 1,781,680; Nov. 18.
- Electromotor. B. F. Hutches, jr. 1,770,753; July 15.
- Electron-discharge apparatus. W. E. Paul. 1,751,418; Mar. 18.
- Electron-discharge apparatus. C. Spaeth. 1,743,629; Jan. 14.
- Electron-discharge apparatus. H. C. Thompson. 1,756,889; Apr. 29.
- Electron-discharge apparatus. J. C. Warner. 1,756,893; Apr. 29.
- Electron-discharge device. R. E. H. Carpenter. 1,775,886; Sept. 16.
- Electron-discharge device. J. E. Ferguson and B. E. Schackelford. 1,745,921; Feb. 4.
- Electron-discharge device. N. P. Hinton. 1,750,307; Mar. 11.
- Electron-discharge device. A. J. Kloneck. 1,742,262; Jan. 7.
- Electron-discharge device. L. K. Marshall. 1,758,710; May 13.
- Electron-discharge device. A. Mavrogenis. Re17,640; Apr. 8.
- Electron-discharge device. L. E. Mitchell. 1,748,026; Feb. 18.
- Electron-discharge device. W. A. Ruggles. 1,742,935; Jan. 7.
- Electron-discharge device. W. A. Ruggles. 1,768,421; June 24.
- Electron-discharge device. P. Schwerin. 1,766,460; June 24.
- Electron-discharge device and getter therefor. E. A. Lederer. 1,752,747; Apr. 1.

- Electron-discharge device, Duplex. W. J. Desmond. 1,762,960; June 10.
- Electron-discharge device with indirectly-heated cathode. C. E. Huffman. 1,765,487; June 24.
- Electron-discharge-tube amplifier system. H. I. Danziger and L. L. Jones. 1,779,931; Oct. 28.
- Electron-discharge-tube generator. E. Schrack and R. Ettenreich. 1,745,559; Feb. 4.
- Electron-emission material. H. C. Rentschler, J. W. Marden, and C. T. Ulrey. 1,760,440; May 27.
- Electron-emitting devices and the like, Manufacture of. C. T. Ulrey. 1,760,454; May 27.
- Electron-tube arrangement for high-frequency communication. E. Kiehne. 1,746,430; Feb. 11.
- Electrooptical image-producing system. R. K. Potter. 1,777,016; Sept. 30.
- Electrooptical-image production. B. C. Mathes. 1,760,159; May 27.
- Electrooptical system. R. V. L. Hartley. 1,742,912; Jan. 7.
- Electrooptical system. R. V. L. Hartley. 1,786,652; Dec. 30.
- Electrooptical system. J. W. Horton. 1,775,241; Sept. 9.
- Electrooptical system. H. E. Ives. 1,746,729; Feb. 11.
- Electrooptical system. H. Nyquist. 1,773,785; Aug. 26.
- Electrooptical transmission. R. K. Potter. 1,772,519; Aug. 12.
- Electrooptical transmission. F. W. Reynolds. 1,780,364; Nov. 4.
- Electropaint. L. J. D. Healy. 1,744,469; Jan. 21.
- Electroplating. A. O. Langseth. 1,757,671; May 6.
- Electroplating. W. S. Murray. 1,772,840; Aug. 12.
- Electroplating apparatus. K. Baranowski. 1,786,592; Dec. 30.
- Electroplating apparatus. J. C. Newey and C. B. Jerred. 1,744,792; Jan. 28.
- Electroplating, Apparatus for. S. Ishisaka. 1,771,680; July 29.
- Electroplating bath. J. Bedo. 1,754,075; Apr. 8.
- Electroplating, Controlling. R. J. Piersol. 1,785,389; Dec. 16.
- Electroplating machine. C. G. Miller. 1,782,791; Nov. 18.
- Electroplating process. R. B. P. Crawford and R. D. Snyder. 1,750,092; Mar. 11.
- Electroplating process. R. J. Wirshing and H. R. Faas. 1,761,948; June 3.
- Electroplating-tank apparatus. A. H. Hannon. 1,773,179; Aug. 19.
- Electropneumatic brake. L. M. Aspinwall. 1,763,120; June 10.
- Electropneumatic brake. M. C. Rowley. 1,742,415; Jan. 7.
- Electropneumatic brake. T. H. Thomas. 1,742,428; Jan. 7.
- Electropneumatic brake. T. H. Thomas. 1,754,246; Apr. 15.
- Electropneumatic brake. T. H. Thomas. 1,758,724; May 13.
- Electropneumatic brake. T. H. Thomas. 1,776,300; Sept. 23.
- Electropneumatic brake. T. H. Thomas and J. N. Good. 1,786,178; Dec. 23.
- Electropneumatic time-element relay. W. H. Ponsonby and J. J. Lang. 1,769,910; July 1.
- Electroresponsive device. F. G. Arkell. 1,743,749; Jan. 14.
- Electroresponsive device. H. W. Brown. 1,748,862; Feb. 25.
- Electroresponsive device. A. Cohn. 1,760,542; May 27.
- Electroresponsive device. A. S. Fitz Gerald. 1,754,154; Apr. 8.
- Electroresponsive device. J. W. McNairy. 1,756,923; Apr. 29.
- Electrostatic charges on moving surfaces, Controlling. W. H. Chapman. 1,782,712; Nov. 25.
- Electrostatic pick-up device. W. D. Crozier. 1,777,397; Oct. 7.
- Electrostatic precipitator. R. B. Rathbun. 1,763,010; June 10.
- Electrostatic reproducer. R. H. Leffler. 1,786,436; Dec. 30.
- Electrotherapeutic machine. H. P. Pullwitt. 1,764,347; June 17.
- Electrotherapeutic machine. H. P. Pullwitt. 1,780,600; Nov. 4.
- Electrothermal treatment of cheese. C. H. Parsons and W. D. Richardson. 1,774,610; Sept. 2.
- Electrothermic zinc furnace. E. C. Gaskill. 1,775,591; Sept. 9.
- Electrotype plates and the like, Method of and apparatus for straightening and solidifying. F. A. Hengst. 1,757,569; May 6.
- Electrotype plates, Cleaning. W. R. Lakeman. 1,749,822; Mar. 11.
- Electrotypes, Apparatus for backing. F. X. Temmen. 1,779,253; Oct. 21.
- Elevating and lowering mechanism for magazines of charging machines. O. Tweit. 1,770,560; July 15.
- Elevating bin, Portable. P. E. Kelley. 1,743,038; Jan. 7.
- Elevating conveyer. F. M. Taylor. 1,757,819; May 6.
- Elevating devices in wells, Method of and apparatus for. J. C. Stokes. 1,779,567; Oct. 28.
- Elevating fluid, Apparatus for. L. H. Miles. 1,773,784; Aug. 26.
- Elevating mechanism. J. W. Howell. 1,751,480; Mar. 25.
- Elevating mechanism for drilling machines. A. M. Sosa and W. G. Hoelscher. 1,764,810; June 17.
- Elevator: See—
- Automatic locking elevator. Portable elevator.
 - Bucket elevator. Rod elevator.
 - Fluid elevator. Sucker-rod elevator.
 - Grain elevator. Toy elevator.
 - Inclined elevator. Water elevator.
 - Liquid elevator. Well elevator.
 - Pipe elevator.
- Elevator. J. Bergsten. 1,751,852; Mar. 25.
- Elevator. F. A. Browne. 1,749,872; Mar. 11.
- Elevator. D. Dalin. 1,778,847; Oct. 21.
- Elevator. J. J. Dolan. 1,775,021; Sept. 2.
- Elevator. J. R. Jackson, jr. 1,758,605; May 13.
- Elevator. F. Monroe. 1,782,933; Nov. 25.
- Elevator. R. A. Morton. 1,785,141; Dec. 16.
- Elevator. J. D. Spalding. 1,750,822; Mar. 18.
- Elevator. C. E. Wilcox. 1,782,754; Nov. 25.
- Elevator and conveyer, Water. J. S. Stinson. 1,764,539; June 17.
- Elevator boot. T. N. Pierson. 1,761,842; June 3.
- Elevator box. L. H. Thoen. 1,744,933; Jan. 28.
- Elevator brake. W. G. Turnbull and H. C. Crane. 1,746,372; Feb. 11.
- Elevator-cab construction. C. C. Campbell. 1,752,661; Apr. 1.
- Elevator control. O. F. Shepard. 1,743,627; Jan. 14.
- Elevator-control device. J. R. Jackson, jr. 1,784,933; Dec. 16.
- Elevator-control system. E. M. Bouton. 1,782,708; Nov. 25.
- Elevator-control system, Push-button. E. W. Seeger. 1,777,131; Sept. 30.
- Elevator-control system, Push-button. E. W. Seeger. 1,783,629; Dec. 2.
- Elevator-door lock. G. O. J. Kleven. 1,779,173; Oct. 21.
- Elevator dumping device. J. Fairhead. 1,768,585; July 1.
- Elevator for grain, etc. A. H. Eckhardt and H. F. Harloff. Re17,782; Aug. 26.
- Elevator for grain, etc. A. H. Eckardt and H. F. Harloff. 1,747,471; Feb. 18.
- Elevator for sucker rods and the like. N. K. Smith. 1,774,675; Sept. 2.
- Elevator gates, Suspension means for. H. W. Shonnard. 1,745,772; Feb. 4.
- Elevator installation. C. J. Gilroy. 1,770,267; July 8.
- Elevator installation. E. W. Peterson. 1,752,025; Mar. 25.
- Elevator leg. R. J. and J. L. Owens. 1,752,612; Apr. 1.
- Elevator link. J. G. White. 1,779,895; Oct. 28.
- Elevator links, Making weldless. G. W. Moore. 1,756,376; Apr. 29.
- Elevator mechanism. J. S. Da Costa. 1,781,806; Nov. 18.
- Elevator-operator position-indicating device. J. Jones. 1,775,348; Sept. 9.
- Elevator-signal restoration system. F. A. Boedter. 1,767,871; June 24.
- Elevator system. D. L. Lindquist, E. L. Dunn, and D. C. Larson. 1,767,891; June 24.
- Elevator system and control, Dual. F. J. Sprague. 1,763,198; June 10.
- Elevator system, Automatic-stop. W. F. Eames. Re-17,555; Jan. 7.
- Elevator system, Electric. G. B. Grosvenor. 1,767,125; June 24.
- Elevator system for loading and unloading dirigible airships. T. B. Slate. 1,772,229; Aug. 5.
- Elevators, Control system for. F. Hymans. 1,771,458; July 29.
- Eliminating electric shock. J. H. Hunt. 1,744,044; Jan. 14.
- Eliminator, "Jerked-in" filling. R. B. Stancill. 1,782,749; Nov. 25.
- Eliminator, Static. W. A. Seller. 1,774,068; Aug. 26.
- Elliptical parts, Device for forming. B. C. Travis. 1,751,772; Mar. 25.
- Emasculator. L. V. Hastings. 1,772,421; Aug. 5.
- Embalmer's plug. C. L. Arnold. 1,782,332; Nov. 18.
- Embalming table, Convertible. H. M. Leonard. 1,746,950; Feb. 11.
- Emblem. C. L. Stange. Des. 82,006; Sept. 9.
- Emblem or similar article. I. B. Edelstein. Des. 82,081; Sept. 23.
- Emblem or similar article. L. M. Goodman. Des. 80,869; Apr. 1.
- Emblem or similar article. R. C. Leydecker. Des. 82,097; Sept. 23.
- Emblem or similar article, Service cap. A. F. Worden. Des. 82,122; Sept. 23.
- Emblem plate, Automobile. E. Henry. Des. 80,380; Jan. 21.
- Embossing cutter head. A. S. Plater. 1,752,107; Mar. 25.
- Embroidering machine. F. Grütter. 1,772,993; Aug. 12.
- Embroidering machine, Automatic single-needle. F. J. Gahlert and M. Bretschneider. 1,742,953; Jan. 7.
- Embroidery, lace, and similar artistic products, Manufacture of. V. R. Kokatnur. 1,748,608; Feb. 25.
- Emerald or emerald-green sapphire, Synthetic oriental. E. G. Sandmeier. 1,775,867; Sept. 16.
- Emergency heater. W. A. Brown. Re17,637; Apr. 8.
- Emergency section for ships. C. F. Rodin. 1,768,152; June 24.
- Emery-wheel dresser. S. Fryckberg. 1,775,124; Sept. 9.

- Empennage structure for aircraft. J. G. Yonkese. 1,747,565; Feb. 18.
- Emulsified compositions, Making. L. Kirschbraun. 1,781,645; Nov. 11.
- Emulsifier, mixer, and the like. C. S. H. Snow. 1,771,321; July 22.
- Emulsifying and analogous apparatus. V. G. Walsh. 1,780,853; Nov. 4.
- Emulsifying apparatus. S. B. Drucker. 1,772,073; Aug. 5.
- Emulsion. O. Röhm. 1,751,217; Mar. 18.
- Emulsion. F. W. Sullivan, jr. 1,773,123; Aug. 19.
- Emulsion and makings same. H. B. Goodwin. 1,774,092; Aug. 26.
- Emulsion, Bituminous. G. S. Hay. 1,778,760; Oct. 21.
- Emulsions, Breaking. J. W. Beckman. 1,753,641; Apr. 8.
- Emulsions from partially-oxidized petroleum wax and making the same. A. W. Burwell. 1,768,523; June 24.
- Emulsions, Manufacture of bituminous. J. S. Miller, jr. 1,752,449; Apr. 1.
- Emulsions of mineral oils, Process and product for treating. W. B. Lerch. 1,747,119; Feb. 11.
- Emulsions, Preparing. K. Hattori. 1,752,176; Mar. 25.
- Emulsions, Preserving. A. Musher. 1,782,011; Nov. 18.
- Emulsions, Resolving. F. H. Penn. 1,771,096; July 22.
- Emulsions, Treating. W. T. Reddish. 1,747,987; Feb. 18.
- Enamel-ware articles, Making. J. Foster, jr. 1,752,073; Mar. 25.
- Enamel ware, Making. O. Hommel. 1,779,273; Oct. 21.
- Enamels, Producing vitreous. C. J. Kinzie. 1,785,777; Dec. 23.
- End gate. C. H. Arntzen. 1,753,637; Apr. 8.
- End gate. W. C. Lamkins. 1,758,325; May 13.
- End gate. C. A. Persinger. 1,759,323; May 20.
- End gate. F. E. Taylor. 1,777,386; Oct. 7.
- End gate and retaining means therefor. B. A. Smith. 1,755,672; Apr. 22.
- End-gate lock. A. J. Bisek. 1,768,659; July 1.
- End hook. W. J. Roy. 1,775,174; Sept. 9.
- End hook. A. E. R. Speidel. Des. 82,289; Oct. 14.
- Endless cutter. W. Geithle. 1,745,090; Jan. 28.
- Endless pattern band for textile machinery. P. Sander. 1,765,286; June 17.
- Enema. D. Sarason. 1,747,391; Feb. 18.
- Enema pad. A. F. Shekter. 1,780,800; Nov. 4.
- Energy-transmission means. S. A. Reed. 1,786,264; Dec. 23.
- Energy, Utilization of hydraulic. F. Lawaczek. 1,780,490; Nov. 4.
- Engine: See—
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| Aircraft engine. | Jordan engine. |
| Air engine. | Leverage engine. |
| Cam engine. | Logging engine. |
| Combustion-chamber engine. | Oil-burning engine. |
| Combustion engine. | Oscillating air engine. |
| Combustion power engine. | Oscillating engine. |
| Compression engine. | Otto-cycle engine. |
| Crankless engine. | Piston engine. |
| Cylinder combustion engine. | Pumping engine. |
| Door engine. | Reciprocating engine. |
| Explosive engine. | Refining engine. |
| Fluid engine. | Rotary engine. |
| Four-cycle engine. | Sleeve-valve engine. |
| Gas engine. | Starter engine. |
| Gas-generating combustion engine. | Steam engine. |
| Gasoline engine. | Steam turbine engine. |
| High-pressure engine. | Two-cycle engine. |
| Hot-air engine. | Two-stroke-cycle engine. |
| Internal and external combustion engine. | Valve engine. |
| | Water-cooled engine. |
| | Winding engine. |
| | X-type engine. |
- Internal-combustion engine.
- Engine. P. Bastien. 1,785,108; Dec. 16.
- Engine. F. F. Finch. 1,763,959; June 17.
- Engine. H. Ford. 1,744,218; Jan. 21.
- Engine. H. Ford. 1,753,825; Apr. 8.
- Engine. G. E. Franklin. 1,762,437; June 10.
- Engine. P. H. Gundal. 1,779,878; Oct. 28.
- Engine. H. M. Keith. 1,770,311; July 8.
- Engine. G. R. Lawrence. 1,748,072; Feb. 25.
- Engine. H. M. Leonard. 1,751,281; Mar. 18.
- Engine. V. Link. 1,751,743; Mar. 25.
- Engine. A. E. Peters. 1,742,725; Jan. 7.
- Engine. F. W. Severin. 1,773,877; Aug. 26.
- Engine. E. A. Stalker. 1,753,759; Apr. 8.
- Engine. T. P. Tune. 1,758,482; May 13.
- Engine. R. Zumwalt. 1,767,953; June 24.
- Engine acting as a pump, Heat. J. R. F. M. Lasmolles. 1,750,229; Mar. 11.
- Engine and operating it, Internal-combustion rotary. O. Hermann. 1,742,706; Jan. 7.
- Engine and operating same, Internal-combustion. A. A. Tacchella. 1,753,253; Apr. 8.
- Engine and operating the same, Internal-combustion. F. Oberhaensli. 1,758,460; May 13.
- Engine and supercharging device, Two-cycle internal-combustion. M. H. Crimmins. 1,786,106; Dec. 23.
- Engine and turbine, Combined reciprocating. H. Wach. 1,764,061; June 17.
- Engine and turbine, Reciprocating. H. Wach. 1,774,116; Aug. 26.
- Engine and valve structure. P. G. Frazier. 1,757,302; May 6.
- Engine circulation system. W. E. Adams. 1,769,932; July 8.
- Engine combustion chamber. F. A. Bullington. 1,782,395; Nov. 25.
- Engine construction. A. D. MacFarlane. 1,784,192; Dec. 9.
- Engine construction. D. G. Mackenzie. 1,777,007; Sept. 30.
- Engine construction. E. Nibbs. 1,751,653; Mar. 25.
- Engine-control means. R. L. Nafziger. 1,742,719; Jan. 7.
- Engine-cooling cowl. O. H. Spencer. 1,783,318; Dec. 2.
- Engine cooling means, Sleeve-valve. O. C. Kreis. 1,746,538; Feb. 11.
- Engine-cooling system. L. P. Barlow. Re17,627; Mar. 25.
- Engine cooling system for hydroaeroplanes. A. Rohrbach. 1,779,078; Oct. 21.
- Engine cooling system, Internal-combustion. A. Christianson. 1,780,517; Nov. 4.
- Engine crank shaft, Balancer. I. A. Weaver. 1,777,341; Oct. 7.
- Engine-cranking device. W. Noble. 1,747,126; Feb. 11.
- Engine-cylinder head, Sleeve-valve. A. M. Niven. 1,780,763; Nov. 4.
- Engine-draft regulator, Locomotive. K. Alze. 1,751,187; Mar. 18.
- Engine drain or compression-release valve. J. G. and C. T. Barclay. 1,780,857; Nov. 4.
- Engine drive mechanism. R. Abell. 1,784,409; Dec. 9.
- Engine-driven generator. F. H. Pritchard. 1,771,938; July 29.
- Engine equipped with scavenging pump annex, Two-stroke-cycle internal-combustion. R. Gaupp. 1,777,841; Oct. 7.
- Engine filter clothing, Prepared automotive. E. J. Sweetland. 1,753,277; Apr. 8.
- Engine-fuel-control apparatus. E. Dickey. 1,768,579; July 1.
- Engine governor. A. Brandl and C. F. Wegner. 1,774,080; Aug. 26.
- Engine heater. W. Turnwald. 1,759,969; May 27.
- Engine heater, Internal-combustion. F. A. Chapman and W. Kotvis. 1,765,655; June 24.
- Engine-lubrication means. J. R. Mares. 1,750,235; Mar. 11.
- Engine mounting for automotive vehicles. R. Sardeson and F. J. La Mere. 1,751,100; Mar. 18.
- Engine-mounting means. W. C. Martin. 1,755,126; Apr. 15.
- Engine mounting, Resilient. R. Sardeson, F. J. LaMere, and J. Corser. 1,767,015; June 24.
- Engine of the fuel-injection type, Reversible internal-combustion. G. Pielstick. 1,753,020; Apr. 1.
- Engine of the non-Diesel type operating on gas fuels, Two-cycle internal-combustion. A. W. Hubbell. 1,747,171; Feb. 18.
- Engine of the solid-fuel-injection type, Internal-combustion. W. Riehm. 1,767,701; June 24.
- Engine of the two-stroke type, Internal-combustion. C. E. Heibig. 1,756,354; Apr. 29.
- Engine-operating device. C. A. Lee. 1,776,331; Sept. 23.
- Engine, particularly applicable to combined internal-combustion and steam engines, Steam. E. Brillié. 1,754,602; Apr. 15.
- Engine preheater. S. V. Jackson. 1,764,021; June 17.
- Engine provided with a piston and a connecting rod. J. Brons. 1,755,347; Apr. 22.
- Engine, pump, compressor, and the like. H. Heinrich. 1,762,983; June 10.
- Engine, pump, and compressor, Fluid-pressure. H. R. Ricardo and J. F. Alcock. 1,776,982; Sept. 30.
- Engine scavenging and fueling mechanism. O. H. Spencer. 1,742,621; Jan. 7.
- Engine, Securing means for internal-combustion. J. J. McBridge. 1,784,461; Dec. 9.
- Engine-starting apparatus. R. Chilton. 1,752,835; Apr. 1.
- Engine-starting apparatus. R. Chilton. 1,778,886; Oct. 21.
- Engine-starting apparatus. W. A. Chryst. 1,749,319; Mar. 4.
- Engine-starting means. J. A. Heany. 1,778,387; Oct. 14.
- Engine-starting mechanism. DeW. Tappan and F. F. Dorsey. 1,747,146; Feb. 11.
- Engine-testing gauge. G. Zitzmann. 1,758,271; May 13.
- Engine with fuel injection, Oil. F. Lang. 1,759,161; May 20.
- Engine with fuel injection, Oil. F. Lang. 1,759,163; May 20.
- Engine with slot scavenging and airless fuel injection, Two-cycle. W. Riehm. 1,781,194; Nov. 11.
- Engine with slot scavenging, Double-acting gas. W. Riehm. 1,776,665; Sept. 23.
- Engine with slot scavenging, Double-acting two-stroke combustion. H. Becker. 1,779,112; Oct. 21.
- Engines, Air-regulating device for internal-combustion. A. Balash. 1,785,726; Dec. 23.
- Engines, Attachment for internal-combustion. L. H. Mort. 1,783,746; Dec. 2.
- Engines, Automatic air-inlet valve for internal combustion. J. L. Ardern. 1,786,283; Dec. 23.
- Engines, Fuel-injecting device for internal-combustion. K. J. E. Hesselman. 1,786,844; Dec. 30.
- Engines, Fuel-injection device for explosion. F. Hofmann. 1,786,946; Dec. 30.
- Engines, Humidifying device for internal-combustion. J. S. Funalman. 1,784,831; Dec. 16.

- Engines and balancing same, Crank shaft for V-type. C. L. Walker. 1,754,918; Apr. 15.
- Engines and the like, Linkwork for reciprocating. E. M. Bythway. 1,768,436; June 24.
- Engines, Air cooling the cylinders of internal-combustion. J. Bowen. 1,780,809; Nov. 4.
- Engines, Apparatus for igniting internal-combustion. L. Saives. 1,782,940; Nov. 25.
- Engines, Apparatus for internal-combustion. P. Turisano. 1,778,923; Oct. 21.
- Engines, Assembling internal-combustion. R. O. Gill. 1,768,049; June 24.
- Engines, Attachment for internal-combustion. H. E. Kanehal. 1,766,437; June 24.
- Engines, Automatic controlling system for internal-combustion. E. T. Larkin. 1,776,683; Sept. 23.
- Engines, Automatic stopping and starting device for gasoline. K. A. and R. C. Graves and H. Juneau. 1,749,668; Mar. 4.
- Engines, Auxiliary air supply and mixing device for internal-combustion. G. A. Brunelle. 1,748,203; Feb. 25.
- Engines, Auxiliary feeding for internal-combustion. J. B. Bergougnoux. 1,756,781; Apr. 29.
- Engines, Balancer for reciprocating. A. B. Gilbert. 1,762,860; June 10.
- Engines, Bed for vertical internal-combustion. E. Herkt. 1,766,383; June 24.
- Engines, Cam-shaft-driving mechanism for internal-combustion. W. O. Warner. 1,743,173; Jan. 14.
- Engines, Charge forming device for internal-combustion. F. E. Aseltine. 1,782,333; Nov. 18.
- Engines, Charge mixing and atomizing device of internal-combustion. W. Hulley. 1,748,130; Feb. 25.
- Engines, Charge-supplementing apparatus for internal-combustion. A. Moore. 1,766,676-7; June 24.
- Engines, Charge-treating device for internal-combustion. A. Breitling. 1,782,709; Nov. 25.
- Engines, Choke means for two-cycle. O. H. Spencer. 1,780,635; Nov. 4.
- Engines, Cleaning lubricant cases of. W. L. Osborne. 1,751,053; Mar. 18.
- Engines, Combined charge and air heater for internal-combustion. J. R. Francis. 1,751,511; Mar. 25.
- Engines, Construction of internal-combustion. J. M. Heinrich. 1,757,862; May 6.
- Engines, Cooling apparatus for internal-combustion. P. J. and C. H. Jorgensen. 1,745,622; Feb. 4.
- Engines, Cooling system for internal-combustion. I. H. Ayres. 1,754,301; Apr. 15.
- Engines, Cooling means for. O. H. Spencer. 1,777,534; Oct. 7.
- Engines, Cylinder head for internal-combustion. C. Ruegg. 1,750,729; Mar. 18.
- Engines, Device for cooling aircraft. H. A. Hicks. 1,761,560; June 3.
- Engines, Distributor unit for ignition systems of internal-combustion. S. I. Fekete. 1,768,549; July 1.
- Engines, Dust separator for internal-combustion. C. F. Heinss, sr. 1,752,081; Mar. 25.
- Engines, Feeding device for internal-combustion. E. Seignol. 1,772,160; Aug. 5.
- Engines, Floating-wrist-pin construction for internal-combustion. S. Svenson. 1,769,474; July 1.
- Engines for electric-current generators, Apparatus for the regulation of driving. G. Wünsch. 1,752,135; Mar. 25.
- Engines, Fuel and exhaust-gas control device for. J. Wickersham. Re17,692; June 3.
- Engines, Fuel distributor for combustion. E. Rathbun. 1,770,861; July 15.
- Engines, Fuel-feeding apparatus for internal-combustion. J. K. Olsen. 1,780,310; Nov. 4.
- Engines, Fuel-feeding system for internal-combustion. H. C. Mallory. 1,745,105; Jan. 28.
- Engines, Fuel injecting and igniting means for oil. E. A. Sperry. 1,751,254; Mar. 18.
- Engines, Fuel-supply system for internal-combustion. R. F. Ensign. 1,779,374; Oct. 21.
- Engines, Gas-saving attachment for internal-combustion. H. F. Boeman. 1,750,086; Mar. 11.
- Engines, Intake system for internal-combustion. G. R. Lawrence. 1,745,020; Jan. 28.
- Engines, Manufacture of internal-combustion. J. Fejes. 1,743,031; Jan. 7.
- Engines, Method and apparatus for shipping. G. L. Lundborg and R. B. Israel. 1,764,737; June 17.
- Engines of the high-pressure type, Process and apparatus for regulating multistage steam. O. H. Hartmann and F. Wempe. 1,759,452; May 20.
- Engines on aircraft, Arrangement of. A. Rohrbach. 1,782,013; Nov. 18.
- Engines, Power-shaft connection for internal-combustion. J. V. Maurais. 1,784,902; Dec. 16.
- Engines, pumps, or the like, Guideway for reciprocating. A. Aldrich. 1,785,688; Dec. 16.
- Engines, Priming. J. A. Diener. 1,744,953; Jan. 28.
- Engines, Process and apparatus for starting internal-combustion. W. Riehm. 1,753,021; Apr. 1.
- Engines, Removable valve cage for internal-combustion. A. Hasbrouck. 1,760,497; May 27.
- Engines, Reversing and speed-regulating mechanism for steam. H. W. Todd. 1,770,441; July 15.
- Engines, Safety attachment for internal-combustion. M. K. Barnard. 1,757,353; May 6.
- Engines, Starting and reversing device for internal-combustion. P. Praetorius. 1,742,276; Jan. 7.
- Engines, Steam-cooling system for internal-combustion. I. H. Ayres. 1,754,300; Apr. 15.
- Engines, Steam-distribution system for Woolf's piston compound. R. Christiansen. 1,746,104; Feb. 4.
- Engines, Supercharging method for internal-combustion. G. Becker. 1,750,919; Mar. 18.
- Engines, Throttle-controlling means for internal-combustion. W. B. Jupp. 1,783,431; Dec. 2.
- Engines, Vacuum-cleaner attachment for automobile. S. R. Gould. 1,750,800; Mar. 18.
- Engines, Valve-clearance-adjusting device for automobile. G. H. Schoen. 1,746,797; Feb. 11.
- Engines, Vaporizing device for. P. J. Kent. 1,748,717; Feb. 25.
- Engines, Ventilated hood for. S. E. Holt. 1,742,598; Jan. 7.
- Engines when the main supply is cut off, Apparatus for supplying steam to. R. Wood. 1,754,184; Apr. 8.
- Engines with an ignition chamber, Device for operating internal-combustion. E. Herkt. 1,750,403; Mar. 11.
- Engraving, Automatic. N. S. Amstutz. 1,768,729; July 1.
- Engraving machine. L. K. Braren. 1,754,256; Apr. 15.
- Engraving machine. P. M. Henkes. 1,750,594; Mar. 11.
- Engraving machine, Mold-. C. Uschmann. 1,748,591; Feb. 25.
- Engraving mechanism. L. S. Castonguay. 1,770,457-8; July 15.
- Engraving-press attachment. W. J. Ecker, jr. 1,760,049; May 27.
- Ensemble suit. D. Long. Des. 81,251; May 27.
- Ensilage cutter. C. R. Raney, M. M. Merwin, and H. A. Watchek. 1,769,163; July 1.
- Ensilage distributor. F. C. Reinke. 1,787,261; Dec. 30.
- Ensilage-distributing apparatus. W. G. Welles. 1,765,115; June 17.
- Entertainment and athletic apparatus for the use of children. F. F. Trzesniewski. 1,744,594; Jan. 21.
- Entrance switch. J. C. Lewis. 1,770,211; July 8.
- Envelope. J. S. Boeker. 1,745,289; Jan. 28.
- Envelope. H. C. Cox. 1,755,814; Apr. 22.
- Envelope. T. E. Gjørup. 1,768,836; July 1.
- Envelope. E. D. Glass. 1,773,671; Aug. 19.
- Envelope. W. Helezer. 1,765,157; June 17.
- Envelope. W. B. Hilbert. 1,772,312; Aug. 5.
- Envelope, Balloon. J. D. Edwards. 1,749,474; Mar. 4.
- Envelope, Combination. C. W. Fraser. 1,772,280; Aug. 5.
- Envelope. N. Sternheimer. 1,768,164; June 24.
- Envelope, Duodelivery. S. S. Little. 1,746,315; Feb. 11.
- Envelope, Duplex. W. H. Rife. 1,751,216; Mar. 18.
- Envelope, Filing. G. Seelman, jr. 1,777,452; Oct. 7.
- Envelope-fastener-applying mechanism. A. Olgay. 1,745,581; Feb. 4.
- Envelope feeder. E. C. Hess. 1,784,836; Dec. 16.
- Envelope-filling machine. H. B. Collins. 1,752,784; Apr. 1.
- Envelope for greeting cards. I. A. Deline. Des. 81,632; July 22.
- Envelope for laundering machines. W. F. Grupe. 1,771,784; July 29.
- Envelope machine. H. J. Goss. 1,765,419; June 24.
- Envelope machine. A. Novick. 1,762,452; June 10.
- Envelope machine. A. Olgay. 1,752,608; Apr. 1.
- Envelope machine and the like. C. W. Pettman. 1,747,646; Feb. 18.
- Envelope machines, Patch-applying mechanism for. W. H. Sheppard. 1,766,693; June 24.
- Envelope opener. L. Boll. 1,756,113; Apr. 29.
- Envelope opener. C. A. Mayer. 1,753,710; Apr. 8.
- Envelope-opening machine. A. Weiss. 1,750,338; Mar. 11.
- Envelope, Postal. R. Lee. 1,765,166; June 17.
- Envelope, Safety. A. Gonzalez. 1,765,146; June 17.
- Envelope sealer. B. Zuckerman, jr. 1,767,908; June 24.
- Envelope sheet, Letter. M. S. Yerkovich. 1,751,610; Mar. 25.
- Envelope-stuffing machine, Automatic. J. H. Marsh. 1,754,831; Apr. 15.
- Envelope, Valentine. M. Warren. Des. 82,863; Dec. 16.
- Envelope, Window. W. T. Von Winkler. 1,766,416; June 24.
- Envelopes from paper or similar material, Process and arrangement for manufacturing open-end and open-side. A. Winkler and M. Dünnebier. 1,774,536; Sept. 2.
- Enzymic products, Preparing. C. J. M. M. Le Petit. 1,779,243; Oct. 21.
- Ephedrine-aldehyde compound and solution and preparing such compound. E. H. Stuart. 1,749,361; Mar. 4.
- Ephedrine inhalant and producing same. E. B. Carter. 1,762,128; June 3.
- Ephedrine-ketone compound and solution and preparing such compound. E. H. Stuart. 1,749,452; Mar. 4.
- Equalized brake. R. F. Weed. 1,770,959; July 22.
- Equalizer bar. T. J. Applebaker. 1,764,237; June 17.
- Equalizer rod. J. A. L. Möller. 1,763,363; June 10.
- Eraser, Adjustable. A. A. Page. 1,766,935; June 24.
- Eraser attachment for typewriters. S. A. Crosby. 1,782,060; Nov. 18.
- Eraser cleaner. J. F. Palmer. 1,757,545; May 6.
- Eraser, Finger. W. Paris. 1,770,426; July 15.
- Erasing device. J. C. Speer. 1,777,812; Oct. 7.
- Erector for tunnel linings. W. B. Updegraff. 1,766,568; June 24.

- Ergosterol, Purifying. C. E. Bills. 1,775,540; Sept. 9.
- Erythrene and its homologues from derivatives of glycols, Production of. A. T. Maximoff. 1,748,722; Feb. 25.
- Escalator. G. R. Bartlett. 1,743,995; Jan. 14.
- Escapement device for submarines. E. M. S. Corliss. 1,773,807; Aug. 26.
- Escutcheon. R. H. Cunningham. 1,768,576; July 1.
- Escutcheon for control dials. R. C. Enderwood. Des. 80,831; Apr. 1.
- Escutcheon for wired radio receiver. A. M. Trogner. Des. 81,674; July 22.
- Escutcheon for wired radio tuner. A. M. Trogner. Des. 81,606; July 15.
- Escutcheon plate. J. Geloso. Des. 81,745; Aug. 5.
- Escutcheon plate. D. L. Hadley. Des. 82,258; Oct. 14.
- Escutcheon plate. F. Weindel, jr. Des. 82,713; Dec. 2.
- Escutcheon plate for automobile instrument boards. C. W. Van Ranst. Des. 80,815; Mar. 25.
- Escutcheons, name plates, labels, and the like, Producing embossed. B. L. Adams. 1,762,539; June 10.
- Essentials from coffee and other substances, Extracting. G. W. Tarkington. 1,752,761; Apr. 1.
- Esters from aldehydes, Manufacture of. C. O. Young. 1,785,166; Dec. 16.
- Esters of aliphatic alcohols, Production of phosphoric. F. Nicolai. 1,766,720-1; June 24.
- Esters of alpha hydroxy-iso-butyric acid. C. Bogin and C. W. Simms. 1,775,636; Sept. 16.
- Esters of cellulose, Manufacture of mixed. C. S. Webber and C. J. Staud. 1,785,466; Dec. 16.
- Esters of colophony and related substances, Mixed. H. A. Bruson. 1,783,165; Nov. 23.
- Esters of fatty acids and of mixtures containing fatty acids, Manufacture of. E. Wecker. 1,758,634; May 13.
- Esters, Production of. G. F. Horsley. 1,770,779; July 15.
- Esters, Production of. J. Martin and I. J. Krehma. 1,770,414; July 15.
- Esters of the borneols, Manufacture of. K. Stephan and F. Ulfers. 1,755,750; Apr. 22.
- Esters of the borneols, Manufacturing. F. Ulfers. 1,755,752; Apr. 22.
- Etching machine, Hinged-plate-carrier. F. T. Powers. 1,775,655; Sept. 16.
- Etching machine. R. R. Robertson. 1,783,390; Dec. 2.
- Etching, Process of and product for photographic. A. B. Davis. 1,751,908; Mar. 25.
- Ethers, Manufacturing aminonaphthol. A. Zitscher. 1,784,408; Dec. 9.
- Ethyl esters, Preparing. A. R. Cade. 1,781,050; Nov. 11.
- Ethylis-isopropyl alpha bromo acetamid and preparing the same. G. Hildebrandt, E. Leube, and W. Biehler. 1,780,131; Oct. 28.
- Ether for storage, shipment and sale, Packing. J. T. Glekler. 1,742,206; Jan. 7.
- Etherification of carbohydrates. O. Leuchs. 1,746,663; Feb. 11.
- Evaporating or degasifying apparatus. C. E. Lucke. 1,754,722; Apr. 15.
- Evaporator. L. Bruehl. 1,764,195; June 17.
- Evaporator. H. W. How. 1,782,143; Nov. 18.
- Evaporator. A. Lenning. 1,779,135; Oct. 21.
- Evaporator. W. Sieck, jr. 1,750,434; Mar. 11.
- Evaporator, Bow-tube film-type. R. C. Jones. 1,769,907; June 3.
- Evaporator element. G. W. Gail. 1,751,317; Mar. 18.
- Evaporator element. G. W. Gail and A. J. Kusel. 1,757,041; May 6.
- Evaporator for refrigerating apparatus. L. Bruehl. 1,764,192; June 17.
- Evaporator for refrigerating plants. E. Freundlich. 1,753,856; Apr. 8.
- Evaporator for refrigerating systems. R. W. Davenport. 1,769,116; July 1.
- Evaporator and deodorizer, Milk. C. M. Peterson. 1,778,959; Oct. 21.
- Evaporators, Making. T. J. Little, jr. 1,779,911; Oct. 28.
- Examining and irrigating table. H. S. Allison. 1,762,944; June 10.
- Examining table. H. S. Allison. 1,749,867; Mar. 11.
- Examining table. S. Tascarella. 1,776,204; Sept. 16.
- Excavating and conveying machine, Material. W. M. Huffman. 1,763,786; June 17.
- Excavating and loading machine. J. H. Blair. 1,749,968; Mar. 11.
- Excavating apparatus. E. H. Fundom. 1,769,991; July 8.
- Excavating apparatus. F. H. Hunt and F. A. Schroeder. 1,787,001; Dec. 30.
- Excavating device. J. W. Page. 1,747,130; Feb. 11.
- Excavating dipper. W. E. Miley. 1,770,543; July 15.
- Excavating dipper. W. J. Mullally. 1,757,328; May 6.
- Excavating dippers and the like, Teeth for. W. E. Miley. 1,750,116; Mar. 11.
- Excavating, elevating, and loading machine. H. K. Clemons. 1,783,462; Dec. 2.
- Excavating, loading, and dumping device. H. K. Clemons. 1,777,164; Sept. 30.
- Excavating machine. R. R. Downie. 1,772,451; Aug. 12.
- Excavating machine. C. C. Hansen. 1,783,787; Dec. 2.
- Excavating machine. C. C. Johnston. 1,757,908; May 6.
- Excavating machine. C. B. King, B. Jacoby, and D. J. Shelton. 1,783,293; Dec. 2.
- Excavating machine. R. Kurtz. 1,785,353; Dec. 16.
- Excavating machine. W. K. Liggett. 1,765,682; June 24.
- Excavating machine. W. J. Newman and J. P. Carroll. 1,763,810; June 17.
- Excavating machine, Earth-. A. Clark. 1,786,335; Dec. 23.
- Excavating machinery. W. M. Bager and W. Lehman. 1,773,252; Aug. 19.
- Excavating, Retaining device or form when. W. S. Ramey. 1,768,146; June 24.
- Excavating shovel. H. J. Brendlin. 1,766,053; June 24.
- Excavating shovel. J. W. Page. 1,747,025; Feb. 11.
- Excavating tooth. L. W. Van Buskirk. 1,753,392; Apr. 8.
- Excavation machine. C. F. Rayburn. 1,777,626; Oct. 7.
- Excavator. L. P. Clutter. 1,765,905; June 24.
- Excavator. G. H. Greiman. 1,754,551; Apr. 15.
- Excavator. H. Marks. 1,764,518; June 17.
- Excavator and conveyer, Pneumatic. H. A. Frohm. 1,754,507; Apr. 15.
- Excavator and operating same. F. Elwood. 1,743,123; Jan. 14.
- Excavator, Back-digging. E. J. Wilson. 1,764,922; June 17.
- Excavator, Full-revolving. B. C. Clutter and G. E. Wagner. 1,765,967; June 24.
- Excavator, Hand. W. Tönhardt. 1,761,503; June 3.
- Excavator, Slackline. J. H. Street. 1,759,525; May 20.
- Excavator scoops, Power-operated trip for. G. E. Wagner and L. P. Clutter. 1,765,893; June 24.
- Excavator tooth. E. R. Standfuss. 1,767,713; June 24.
- Excavator trip. A. Orloff. 1,762,523; June 10.
- Excavators, Back-filling attachment for. G. E. Wagner. 1,765,892; June 24.
- Excavators, Power control for. P. Burke. 1,756,051; Apr. 29.
- Excelsior-cutting machine. J. L. Monkhouse. 1,784,305; Dec. 9.
- Exerciser casing. W. E. Sharp. Des. 80,812; Mar. 25.
- Exerciser, Finger. J. Breza. 1,743,264; Jan. 14.
- Exerciser, Health. M. W. McArdle. Des. 80,384; Jan. 21.
- Exerciser, Health. M. W. McArdle. Des. 80,386; Jan. 21.
- Exerciser, Wrist. P. J. Hess. 1,774,973; Sept. 2.
- Exercising apparatus. J. C. Baine. 1,744,607; Jan. 21.
- Exercising apparatus. H. Blickman. 1,752,412; Apr. 1.
- Exercising apparatus. H. O. Costello. 1,753,309; Apr. 8.
- Exercising apparatus. B. F. Fisher. 1,746,111; Feb. 4.
- Exercising apparatus. K. Kiefer. 1,782,728; Nov. 25.
- Exercising apparatus. F. King. 1,749,488; Mar. 4.
- Exercising apparatus. J. Pagano. 1,749,544; Mar. 4.
- Exercising apparatus. J. M. Thomson and P. Hardy. 1,750,549; Mar. 11.
- Exercising device. S. S. Brame. 1,774,224; Aug. 26.
- Exercising device. D. C. Hall. 1,779,594; Oct. 28.
- Exercising device. A. Happel. 1,779,039; Oct. 21.
- Exercising device. W. C. Mills. 1,771,965; July 29.
- Exercising device. A. M. Webb. 1,784,082; Dec. 9.
- Exercising device, Mechanical. H. E. McCoy. 1,786,165; Dec. 23.
- Exercising device, Treadmill. A. J. Wood. 1,766,089; June 24.
- Exercising machine. C. L. Duff. 1,783,376; Dec. 2.
- Exercising machine. E. L. Hyde. 1,784,289; Dec. 9.
- Exercising machine. C. E. Reddig. 1,774,402; Aug. 26.
- Exercising-machine frame. E. P. Larsh. Des. 80,536; Feb. 18.
- Exercising and massaging machine. W. C. Carr. 1,782,866; Nov. 25.
- Exhaust box. J. E. Albertoli. 1,772,532; Aug. 12.
- Exhaust box for silencing internal-combustion engines, Closed. W. Förstel. 1,761,471; June 3.
- Exhaust connection. J. B. Yazel. 1,780,693; Nov. 4.
- Exhaust device for indirect-heated gas-fired ovens and the like. E. O. Engels. 1,757,361; May 6.
- Exhaust heater. H. P. Renwick. 1,742,873; Jan. 7.
- Exhaust mechanism, Underwater. F. T. Irgens. 1,785,089; Dec. 16.
- Exhaust pipe, Butterfly-valve. S. Armitage. 1,761,960; June 3.
- Exhaust purifier. W. Riehm. 1,766,945; June 24.
- Exhaust silencer for aircraft motors and the like. O. S. Bie. 1,778,101; Oct. 14.
- Exhaust-steam injector. J. F. Griffin and A. Williams. 1,757,566; May 6.
- Exhaust ventilator. O. Giles. 1,772,140; Aug. 5.
- Exhauster, Automatic. J. R. Hamilton. 1,763,777; June 17.
- Exhauster fan, Device for improving the aerodynamic efficiency of an. E. N. Fales. 1,752,427; Apr. 1.
- Exhauster for canned goods. C. F. Colbert. 1,762,129; June 3.
- Exhauster for sprinkler systems. W. B. Griffith. 1,765,423; June 24.
- Exhausting mechanism. C. A. Dunham. 1,761,819; June 3.
- Exhibition bench. A. Hartmann. 1,784,438; Dec. 9.
- Exhibition and advertisement stand. M. A. Braastad. 1,756,849; Apr. 29.
- Exhibitor, Automatic. P. E. McFarland. 1,784,607; Dec. 9.
- Exhibitor, Changeable. W. J. Gray. 1,753,603; Apr. 8.
- Exhibitor, Changeable. A. J. Kauffman. 1,779,475; Oct. 28.
- Exhibitor, Changeable. C. Seffens and J. R. Robinson. 1,786,133; Dec. 23.
- Exhibitor, Changeable. D. A. J. Thomas. 1,775,056; Sept. 2.
- Exhibitor, Changeable. E. von der Lippe-Lipski. 1,784,364; Dec. 9.

- Exothermic reactions, Carrying out. K. Staib. 1,764,582; June 17.
- Expander. P. R. Forman. 1,760,052; May 27.
- Expanding brake. N. R. Brownier. 1,749,901; Mar. 11.
- Expanding machine. H. D. Stevens. 1,757,750; May 6.
- Expansible-collapsible element. O. W. Heise. 1,774,437; Aug. 26.
- Expansion and contraction joint, Combined. A. C. Fischer. 1,770,168; July 8.
- Expansion and contraction switch. H. G. Schlichter. 1,761,456; June 3.
- Expansion bolt. L. R. Zifferer. 1,772,063-4; Aug. 5.
- Expansion compensator. S. E. Meyers. 1,776,292; Sept. 23.
- Expansion element. H. A. Brysselbout. 1,763,754; June 17.
- Expansion joint. D. S. Boyden. 1,786,642; Dec. 30.
- Expansion joint. A. C. Fischer. 1,770,167; July 8.
- Expansion joint. C. J. Pater. Re17,792; Sept. 2.
- Expansion joint. F. Ray. 1,786,506; Dec. 30.
- Expansion joint, Preformed. A. C. Fischer. 1,755,107; Apr. 15.
- Expansion joint, Reenforced. A. C. Fischer. 1,769,828; July 1.
- Explosive. C. H. Waters. 1,786,046; Dec. 23.
- Explosive, and making it, Ammonium nitrate. W. O. Snelling and J. A. Wyler. 1,749,613; Mar. 4.
- Explosive and process for making. R. G. Wulff. 1,772,695; Aug. 12.
- Explosive and process of manufacture. C. C. Ahlum. 1,751,064; Mar. 18.
- Explosive and process of manufacture, Gelatinized. F. H. Bergeim. 1,751,437; Mar. 18.
- Explosive and process of manufacture, Nitrated carbohydrate. P. G. Wrightsman. 1,750,949; Mar. 18.
- Explosive and producing same, Nitrated carbohydrate. P. G. Wrightsman. 1,751,063; Mar. 18.
- Explosive and producing the same, Nitrated carbohydrate. P. G. Wrightsman. 1,751,377; Mar. 18.
- Explosive and solvent therefor. T. L. Davis. 1,754,417; Apr. 15.
- Explosive assembly, Blasting-. C. D. Pratt. 1,785,529; Dec. 16.
- Explosive, Blasting. F. H. Bergeim. 1,751,436; Mar. 18.
- Explosive charges, Indicating detonation of. W. F. Blecker. 1,776,770; Sept. 30.
- Explosive composition. F. Olsen. 1,758,169; May 13.
- Explosive engine. A. Douthit. 1,776,943; Sept. 30.
- Explosive engine. W. R. McKinney. 1,785,909; Dec. 23.
- Explosive missile. S. Lebensart. 1,770,577; July 15.
- Explosive mixtures for internal-combustion engines and other purposes, Process and apparatus for improving. A. Ducloux. 1,777,554; Oct. 7.
- Explosive powder. W. F. Van Vactor. 1,743,941; Jan. 14.
- Explosive, Producing an. M. Hahn. 1,751,326; Mar. 18.
- Explosive shocks, Method and apparatus for recording. F. Rieber. 1,780,567; Nov. 4.
- Explosives and resulting explosives, Absorbent material for. H. C. Bugbird. 1,779,530; Oct. 28.
- Explosives, Apparatus for loading. C. G. Young. 1,778,783; Oct. 21.
- Explosives into strings, Method and apparatus for forming plastic. A. E. Andelin. 1,756,328; Apr. 29.
- Explosives, Making nitrated sugar. P. G. Wrightsman. 1,750,948; Mar. 18.
- Explosives, Purifying. D. M. Jackman. 1,767,798; June 24.
- Exposure control. K. Camp. 1,762,048; June 3.
- Exposure meter. F. M. Gates. 1,763,509; June 10.
- Exposures of the path or route of flying machines or the like, Apparatus for making. E. Reipert. 1,782,860; Nov. 25.
- Expression control. R. Bukow. 1,742,341; Jan. 7.
- Extensible frame. Mead Hedglon. 1,771,039; July 22.
- Extensible table. H. Starker. 1,777,683; Oct. 7.
- Extension device. S. J. Bertherman. 1,756,333; Apr. 29.
- Extension device. S. O. Bigney and N. Sandberg. 1,746,457; Feb. 11.
- Extension device. E. G. Carlson. 1,749,997; Mar. 11.
- Extension device. E. G. Carlson. 1,781,101; Nov. 11.
- Extension device. P. W. Jones. 1,767,530; June 24.
- Extension device. J. N. Kuehne. 1,749,036; Mar. 4.
- Extension device. E. F. M. Speidel and K. C. Augenstein. 1,778,044; Oct. 14.
- Extension refectory table. F. B. Walter. 1,743,697; Jan. 14.
- Extension sheet. A. D. Wood. 1,751,966; Mar. 25.
- Extension table. R. E. Bellonby. 1,773,470; Aug. 19.
- Extension table. G. W. Clauson. 1,769,825; July 1.
- Extension table. H. H. Drew. 1,756,586; Apr. 29.
- Extension table. M. Fox. 1,778,666; Oct. 14.
- Extension table. J. Goldberg. 1,772,629; Aug. 12.
- Extension table. F. P. McNulty. 1,751,831; Mar. 25.
- Extension table. O. A. Raphael. 1,745,270; Jan. 28.
- Extension table. W. P. Sauer. 1,750,968; Mar. 18.
- Extension table. W. P. Sauer. 1,767,016; June 24.
- Extension table. H. Siskin. 1,751,952; Mar. 25.
- Extension table. H. Siskin. 1,766,694; June 24.
- Extension table. F. B. Walter. 1,763,572; June 10.
- Extension table, Automatic. J. Cooper. 1,752,065; Mar. 25.
- Extension table, Collapsible. G. W. McThompson. 1,758,578; Mar. 13.
- Extensometer. G. H. Bowlus. 1,759,219; May 20.
- Exterminator. W. Abby. 1,755,857; Apr. 22.
- Exterminator, Dandelion. W. Van Riper. 1,772,763; Aug. 12.
- Exterminator, Insect. E. R. Collins, A. B. Eberhart, and W. A. Gillentine. 1,754,083; Apr. 8.
- Exterminator, Weed. J. J. Sullivan. 1,747,494; Feb. 18.
- Extinguisher, Foam-type. C. B. White. 1,747,611; Feb. 18.
- Extinguishing fires on motor vehicles. H. C. Beames. 1,744,733; Jan. 28.
- Extract, Manufacturing a vegetable alimentary. J. Perino. 1,754,434; Apr. 15.
- Extracting pyrethrum. W. J. Trevillian. 1,786,967; Dec. 30.
- Extractor: See—
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| Centrifugal extractor. | Liquid extractor. |
| Continuous extractor. | Obstetrical extractor. |
| Cork extractor. | Plant extractor. |
| Corn-pulp extractor. | Rotary or spinning extrac- |
| Fluid extractor. | tor. |
| Fruit-juice extractor. | Screw extractor. |
| Hull extractor. | Spike extractor. |
| Hydroextractor. | Staple and nail extractor. |
| Juice extractor. | |
- Extractor. A. Partlow. 1,753,215; Apr. 8.
- Extractor. J. O. Roberts. 1,777,936; Oct. 7.
- Extractor and mechanism for balancing and operating rotative containers for the same or similar devices, Centrifugal. C. C. Lamb. 1,768,851; July 1.
- Extractor and mixer, Combined juice. C. Ringwald. 1,759,760; May 20.
- Extractor for molded articles. M. Glassner. 1,746,252; Feb. 11.
- Extractor for warp beams. O. J. Obermaier. 1,750,782; Mar. 18.
- Extruding machine. G. H. Schanz. 1,751,844; Mar. 25.
- Extrusion apparatus. F. C. Vandergrift. 1,762,367-8; June 10.
- Extrusion machine. W. R. Clark. 1,769,205; July 1.
- Extrusion machine. B. M. A. Trebes. 1,752,471; Apr. 1.
- Eye, Artificial. S. Marcus. 1,763,312; June 10.
- Eye, and applying eyelashes thereto, Artificial. L. J. Grubman. 1,782,818; Nov. 25.
- Eye-controlling mechanism for figure toys. A. C. Woolgar. 1,775,580; Sept. 9.
- Eyebars and making the same, Laminated. J. B. Strauss. 1,744,588; Jan. 21.
- Eye construction, Doll's-. S. Marcus. 1,752,275; Mar. 25.
- Eye-dropper and eyewash cup, Combined. L. T. La Paugh and E. C. Shea. 1,750,530; Mar. 11.
- Eye-examining instrument. F. McFadden. 1,754,032; Apr. 8.
- Eyeglass cases, Attachment for. C. R. Jerry. 1,776,946; Sept. 30.
- Eyeglass construction. G. E. Nerney. 1,747,904; Feb. 18.
- Eyeglass construction. G. E. Nerney and W. H. Siddall. 1,759,863; May 27.
- Eyeglass frame. F. G. Marciano. Des. 81,547; July 8.
- Eyeglass guard. J. P. Bertram and I. Sundstrom. 1,757,036; May 6.
- Eyeglasses or spectacles. W. W. Tamplin. 1,744,993; Jan. 28.
- Eyelet. S. I. Gookin. 1,748,952; Mar. 4.
- Eyelet. F. G. Neuberth. 1,756,256; Apr. 29.
- Eyelet, One-piece. I. Hill. 1,756,356; Apr. 29.
- Eyeletting machine for mattress borders. M. Marsack, N. Marsack, S. Marsack, and D. Raffelson. 1,775,534; Sept. 9.
- Eye mounting for dolls and other toys. L. J. Grubman. 1,772,282; Aug. 5.
- Eyepiece for gas protective masks. A. B. Dräger. 1,754,419; Apr. 15.
- Eye protection and means for practicing the same. A. B. Hurley. Re17,789; Sept. 2.
- Eye protector. G. T. Gwathmey, jr. 1,768,597; July 1.
- Eye protector. J. Ramstein. 1,777,701; Oct. 7.
- Eye protector. C. Zickmantel. 1,743,510; Jan. 14.
- Eye set. S. Marcus. 1,755,831; Apr. 22.
- Eye set for dolls. J. H. Wilhelm. 1,782,833; Nov. 25.
- Eyeshade, Siesta. O. Reynolds. 1,743,801; Jan. 14.
- Eyeshield or guard for use in connection with spectacles, eyeglasses, goggles, or the like. H. Cloran. 1,752,233; Mar. 25.
- Eye sockets in doll heads, Milling. L. J. Grubman. 1,776,585; Sept. 23.
- Eye structure for dolls and manikins, Dirigible. J. C. Poore. 1,760,318; May 27.
- Eye-testing apparatus. C. B. Scott. 1,749,612; Mar. 4.
- Eye-testing device. B. D. Ritholz. 1,747,844; Feb. 18.
- Eye-testing device. C. B. Scott. 1,761,238-9; June 3.
- Eye-treating device. F. King. 1,767,080; June 24.
- Eyes, Appliance for examination of the. H. Hartinger. 1,764,870; June 17.
- Eyes with lashes, Rolling. S. Marcus and A. Konoff. 1,763,311; June 10.
- Eyes for dolls, Changeable. I. C. Winters. 1,784,921; Dec. 16.
- Eyes for dolls, Making artificial. L. J. Grubman. 1,770,401; July 15.
- Eyes for dolls, Rolling. S. Marcus and A. Konoff. 1,779,439; Oct. 28.

Fabric: See—

Balloon fabric. Mesh fabric.
 Bed-bottom fabric. Necktie-lining fabric.
 Bed-spring fabric. Pile fabric.
 Building fabric. Plaited fabric.
 Cloth-like fabric. Plated knitted fabric.
 Elastic woven fabric. Ply woven fabric.
 Fence fabric. Printed pile fabric.
 Impermeable fabric. Reinforcement fabric.
 Impregnated and coated fabric. Resilient fabric.
 Knitted fabric. Ribbed fabric.
 Knitted pile fabric. Wire fabric.
 Merchandising fabric. Woven fabric.
 Fabric. C. F. Lee. 1,786,569; Dec. 30.
 Fabric. S. J. Taylor. 1,763,074; June 10.
 Fabric anchorage. H. D. Forse. 1,757,241; May 6.
 Fabric and knitting the same, Spliced knit. A. E. Page. 1,769,856; July 1.
 Fabric and machine for knitting the same, Knitted. H. McAdams. 1,777,699; Oct. 7.
 Fabric and making same. H. Kirsner. 1,773,905; Aug. 26.
 Fabric and making same, Cork-filled. H. Leibe. 1,752,914; Apr. 1.
 Fabric and making same, Nitrated. A. London and J. Datlow. 1,769,702; July 1.
 Fabric and making the same. E. F. King. 1,746,948; Feb. 11.
 Fabric and making the same, Knit. F. W. Smith. 1,772,230; Aug. 5.
 Fabric and making the same, Ornamental. C. Dreyfus and W. R. Blume. 1,780,645; Nov. 4.
 Fabric and making the same, Pile. W. S. Nutter. 1,778,196; Oct. 14.
 Fabric and preparing the same, Breaker. W. K. Sawyer. 1,756,069; Apr. 29.
 Fabric and producing the same, Netted. M. Holland. 1,769,953; July 8.
 Fabric and product thereof, Cutting. C. Dreyfus. 1,773,976-8; Aug. 26.
 Fabric and product thereof, Delustering. C. Dreyfus and H. Platt. 1,756,941; May 6.
 Fabric and the treatment of subdivided materials. S. C. Smith. 1,752,210; Mar. 25.
 Fabric and weaving the same, Woven. H. F. Sherman. 1,775,144; Sept. 9.
 Fabric bag, Netted-cord. T. J. Kelley. 1,749,734; Mar. 4.
 Fabric-band expander. R. V. Ritchey. 1,768,332; June 24.
 Fabric. H. I. Diamond. 1,772,458; Aug. 12.
 Fabric. W. F. Hodson. Des. 82,154; Sept. 30.
 Fabric. D. S. Speese. 1,771,588; July 29.
 Fabric elements, Apparatus for coating defined areas of. A. B. Mullin. 1,749,921; Mar. 11.
 Fabric-feeding device. E. F. Maas. 1,757,935; May 6.
 Fabric flower and making the same. A. M. Patterson. 1,766,351; June 24.
 Fabric for breather bags. J. F. Cooper. 1,785,674; Dec. 16.
 Fabric for technical purposes. E. V. Asten and H. N. Hill. 1,753,845; Apr. 8.
 Fabric for tire building, Preparing cord. K. T. Henderson. 1,756,355; Apr. 29.
 Fabric guiding and seaming mechanism. C. F. Mack. 1,745,176; Jan. 28.
 Fabric-laying machine. C. J. Sussman. 1,778,128; Oct. 14.
 Fabric, Mechanism for knitting plated. H. E. Houseman. 1,779,237; Oct. 21.
 Fabric, Method of and mechanism for weaving stake. J. E. Millett and G. E. Nordstrom. 1,766,223; June 24.
 Fabric or similar article, Knitted. M. Schreiber. Des. 82,522; Nov. 11.
 Fabric or similar sheet material, Textile. A. Gall. Des. 82,148; Sept. 30.
 Fabric or the like, Textile. L. L. Steed. Des. 82,591; Nov. 18.
 Fabric, Process and machine for knitting plated. H. E. Houseman. 1,750,008; Mar. 11.
 Fabric, Production of narrow curvilinear elastic. C. T. Hawley. 1,772,945; Aug. 12.
 Fabric, Reinforcing. A. J. White. 1,746,625; Feb. 11.
 Fabric rolls, End closing and protecting means for. J. P. Nielsen. 1,766,256; June 24.
 Fabric rolls, End closing and protecting means for. J. P. Nielsen and J. R. Richer. 1,766,257; June 24.
 Fabric-rubbing roller. P. Edlich. 1,753,201; Apr. 8.
 Fabric-shaping device. E. F. Maas. 1,763,591; June 10.
 Fabric-stretching machine. M. Lenders. 1,773,232; Aug. 19.
 Fabric-tensioning clamp. A. C. Parlani. 1,780,768; Nov. 4.
 Fabric, Textile. G. Ehrenzweig. Des. 81,089; May 6.
 Fabric-trade-marking device. E. G. Jepsen. 1,760,361; May 27.
 Fabric, Treating. R. R. Fulton. 1,767,663; June 24.
 Fabric-treating apparatus. H. L. Blum. 1,777,114; Sept. 30.
 Fabric-treating machine. A. C. Mason. 1,757,536; May 6.
 Fabric-treating machine. W. W. Sibson. 1,768,455; June 24.
 Fabric-treating machine. W. W. Sibson and T. J. Miller. 1,764,089; June 17.
 Fabric, Treating wire. F. Steinhart. 1,757,489; May 6.
 Fabric used for beach coats or similar garments, Textile. J. A. Shkair. Des. 80,456; Feb. 4.

Fabric, Weaving. W. Nicolet. 1,764,577; June 17.
 Fabric with interwoven metal wire. A. Kessler. 1,765,795; June 24.
 Fabric with piles of different colors, Terry. W. H. Wakefield. 1,766,805; June 24.
 Fabrics and products derived therefrom, Coating. W. C. Calvert. 1,1778,388; Oct. 21.
 Fabrics, Apparatus for and method of treating. W. T. Van Orman. 1,763,569; June 10.
 Fabrics, Apparatus for making multiple-ply. W. C. Stevens. 1,759,668; May 20.
 Fabrics, Apparatus for treating. F. Hinnekens. 1,761,563; June 3.
 Fabrics, Cross-dyeing cellulose. J. C. Watson. 1,757,066; May 6.
 Fabrics during treatment, Supporting and stretching tubular. F. Drabble. 1,775,894; Sept. 16.
 Fabrics, Knitting plated. H. E. Houseman. 1,745,619; Feb. 4.
 Fabrics, Making printed. A. Burns. 1,761,005; June 3.
 Fabrics, Manufacture of color-printed. J. Morton. 1,744,410; Jan. 21.
 Fabrics, Manufacture of glacé. F. Wolf. 1,773,384; Aug. 19.
 Fabrics, Method and apparatus for finishing. I. I. Sjöström. 1,753,251; Apr. 8.
 Fabrics, Method and apparatus for making weftless. A. E. Jury. 1,757,636; May 6.
 Fabrics, Method and apparatus for stretching. A. Bossard. 1,786,188; Dec. 23.
 Fabrics or articles and product thereof, Treating casein-varnish-finished coated. M. N. Nickowitz. 1,746,162; Feb. 4.
 Fabrics or articles, Production of new or improved. G. H. Ellis and R. J. Mann. 1,773,975; Aug. 26.
 Fabrics or webs into lapping machines, Appliance for automatically regulating the entrance of. E. Klein. 1,755,826; Apr. 22.
 Fabrics, Printing. C. Dreyfus. 1,783,606; Dec. 2.
 Fabrics, Printing of. C. F. Teall and P. G. Cowan. 1,742,831; Jan. 7.
 Fabrics, Process and apparatus for making double pile. T. J. Bachofen. 1,757,555; May 6.
 Fabrics, Tensioning device for. M. C. Nelson. 1,763,594; June 10.
 Fabrics, Treating. H. Maly. 1,778,863; Oct. 21.
 Fabrics, Treating. L. Seidell and G. B. Jack, jr. 1,753,447; Apr. 8.
 Fabrics, Treatment of. G. H. Ellis, H. C. Olpin, and E. E. Walker. 1,783,608; Dec. 2.
 Fabrics which stand washing, Producing stiff. H. Müller. 1,775,319; Sept. 9.
 Fabrics with liquid, Method and apparatus for treating. G. W. Lane. 1,777,989; Oct. 7.
 Fabrics with liquids, Method and apparatus for treating. F. Hinnekens. 1,781,391; Nov. 11.
 Fabricated structures, Apparatus for assembling. J. A. Bickel and E. M. Mohrman. 1,745,471; Feb. 4.
 Face masks, pseudo reproductions of articles and the like, and a device for carrying this method into practice, Method of manufacturing. J. Kupper. 1,764,215; June 17.
 Face-treating device. T. H. Larson. 1,758,286; May 13.
 Facial cleanser. C. Tompkins. 1,746,877; Feb. 11.
 Facial ice packer. E. W. Toadvine. 1,744,423; Jan. 21.
 Facing machine. J. H. Taylor. 1,768,272; June 24.
 Facings, Making friction. E. E. Waite. 1,754,343; Apr. 15.
 Falsework clamp. O. O. Scott. 1,763,677; June 17.
 Fan. W. T. Barker. 1,786,051; Dec. 23.
 Fan. G. O. Bishop. 1,755,863; Apr. 22.
 Fan. G. de Bothezat. 1,773,349; Aug. 19.
 Fan. J. Karageorge. Des. 82,944; Dec. 30.
 Fan. F. Moreno. 1,752,192; Mar. 25.
 Fan. W. H. Schneider. 1,756,215; Apr. 29.
 Fan and beater, Combined electric. H. W. Harris. 1,749,282; Mar. 4.
 Fan and classifier, Combined. A. H. Stebbins. 1,785,918; Dec. 23.
 Fan and fixture, Combination electric. H. Hubbell, jr. 1,742,510; Jan. 7.
 Fan and heat exchanger, Rotary. G. F. Jones. 1,762,272; June 10.
 Fan and heater, Combined air-circulating. R. C. Vilas. 1,785,752; Dec. 23.
 Fan and making the same, Centrifugal. D. B. Replogle. 1,758,062; May 13.
 Fan and pulley, Combined. E. Schultz. 1,782,960; Nov. 18.
 Fan apparatus. J. E. and G. W. Berggren. 1,779,084; Oct. 21.
 Fan attachment, Cooling. E. Patrick. 1,784,907; Dec. 16.
 Fan blade. W. H. C. Ness. 1,777,013; Sept. 30.
 Fan, ceiling. C. Ringwald. Des. 82,179; Sept. 30.
 Fan, Centrifugal. A. A. Criqui. 1,781,165; Nov. 11.
 Fan construction. J. D. Strobell. 1,772,296; Aug. 5.
 Fan construction. J. D. Strobell. 1,778,046; Oct. 14.
 Fan, Cooling. F. W. Caldwell. 1,757,292; May 6.
 Fan, Cooling. R. W. Kritzer. Des. 81,836; Aug. 19.
 Fan, Electric. H. Hubbell, jr. 1,746,531; Feb. 11.
 Fan, Electric. N. P. Karabatsos. 1,783,652; Dec. 2.
 Fan, Electric. J. Lauz. 1,780,789; Nov. 4.
 Fan, Electric. M. F. Oliver. 1,784,072; Dec. 9.

- Fan, Electric motor-driven desk. J. R. Ferguson. 1,767,060; June 24.
- Fan, Exhaust. M. F. Phelps. 1,762,028; June 3.
- Fan for motor cars, Automatically-variable-speed. P. E. M. J. Sautai. 1,764,054; June 17.
- Fan guard. C. T. Hatch. 1,764,788; June 17.
- Fan guards, Making. C. T. Hatch. 1,743,999; Jan. 14.
- Fan housing. C. A. Bulkeley. 1,767,279; June 24.
- Fan, Hydraulic accommodation. M. Nagao. 1,742,366; Jan. 7.
- Fan mechanism, Cooling-. R. R. Waterman. 1,767,027; June 24.
- Fan, Motor-vehicle ventilating. J. R. Oishei. 1,780,143; Oct. 28.
- Fan mounting. A. Peter. 1,745,638; Feb. 4.
- Fan, Oscillating. F. H. Gallagher. 1,778,895; Oct. 21.
- Fan propeller. S. M. Anderson. 1,781,155; Nov. 11.
- Fan, Propeller. C. M. Norberg. 1,745,441; Feb. 4.
- Fan protector. E. K. Cook. 1,751,793; Mar. 25.
- Fan, Register. J. L. Waterbury. 1,743,994; Jan. 14.
- Fan, Reversible. F. F. Schroder. 1,779,050; Oct. 21.
- Fan, Rotary. W. P. Aron. 1,775,081; Sept. 9.
- Fan, Self-lubricating. F. A. Smith. 1,773,882; Aug. 26.
- Fan, Self-lubricating. A. Weydell. 1,773,833; Aug. 26.
- Fan unit. G. de Bothezat. 1,752,372; Apr. 1.
- Fan, Universal automobile. K. H. Burgin and L. Noblitt. 1,777,514; Oct. 7.
- Fan, Ventilating. C. Ringwald. Des. 82,108; Sept. 23.
- Fare box. E. J. Kennedy. 1,770,274; July 8.
- Fare-collecting and change-making machine. E. W. Terry. 1,746,324; Feb. 11.
- Fare indicator. K. Gehlen. 1,786,745; Dec. 30.
- Fare indicator. L. Kern. 1,768,073; June 24.
- Fare indicator. P. Riegger. 1,771,142; July 22.
- Fare recorder, Electric-coach. J. P. Redmond and F. F. Haack. 1,761,050; June 3.
- Fare recording and receipt device. J. E. Davis. 1,774,823; Sept. 2.
- Fare register. D. N. Hyman. 1,781,462; Nov. 11.
- Fare register. S. Madsen. 1,775,031; Sept. 2.
- Fare register. O. L. Potts. 1,762,029; June 3.
- Fare token. M. R. Boylan. Des. 81,175; May 20.
- Farm gate. C. W. Ehlers. 1,765,217; June 17.
- Farm gate. T. J. Knight. 1,783,508; Dec. 2.
- Farrowing house. E. B. Morris. 1,786,769; Dec. 30.
- Fast-colored resists under aniline black, Producing. W. Cotton. 1,765,658; June 24.
- Fastener. S. Belveal. 1,776,575; Sept. 23.
- Fastener. G. W. Blair. 1,775,419; Sept. 9.
- Fastener. D. A. Brennan. 1,771,728; July 29.
- Fastener. F. S. Carr. 1,743,880; Jan. 14.
- Fastener. F. S. Carr. 1,754,209; Apr. 8.
- Fastener. F. S. Carr. 1,758,884; May 13.
- Fastener. M. F. Carr. 1,754,210; Apr. 8.
- Fastener. O. P. Cramer. 1,743,434; Jan. 14.
- Fastener. D. Dyresen. 1,754,672; Apr. 15.
- Fastener. M. D. Ealy. 1,768,977; July 1.
- Fastener. F. and S. Gallina. 1,756,736; Apr. 29.
- Fastener. R. H. Hedge. 1,767,451; June 24.
- Fastener. G. A. Holmes. 1,763,521; June 10.
- Fastener. F. L. Jensen. 1,786,115; Dec. 23.
- Fastener. J. B. Jurad. 1,772,835; Aug. 12.
- Fastener. W. M. Mack. 1,757,462; May 6.
- Fastener. R. Mitchell. 1,744,488; Jan. 21.
- Fastener. G. D. Pilon. 1,768,371; June 24.
- Fastener. N. Saccoccia. 1,764,806; June 17.
- Fastener. H. A. Sallop. 1,754,770; Apr. 15.
- Fastener. H. A. Sallop. 1,754,772; Apr. 15.
- Fastener. W. P. Saylor. 1,782,275; Nov. 18.
- Fastener. G. Sundback. Re17,891; Dec. 2.
- Fastener, Adjustable. M. Gross. 1,773,998; Aug. 26.
- Fastener and assembling the same. J. H. Caplan. 1,773,422; Aug. 19.
- Fastener and seal, Car-door. J. Block. 1,777,426; Oct. 7.
- Fastener and suspending device. D. Marinsky. 1,759,949; May 27.
- Fastener Automatic clothesline. G. H. Miller. 1,786,359; Dec. 23.
- Fastener, Automobile hood. A. A. Van Note. 1,747,092; Feb. 11.
- Fastener, Bag. S. A. Zauner. 1,743,509; Jan. 14.
- Fastener, Bag-frame. W. C. Hirling. 1,765,671; June 24.
- Fastener, Bed-rail. P. M. Howse. 1,751,037; Mar. 18.
- Fastener, Boot-top. G. L. Van Dinter. 1,767,722; June 24.
- Fastener, Box. H. Berney and F. Berney. 1,771,766; July 29.
- Fastener, Box. A. U. Snook. 1,774,850; Sept. 2.
- Fastener, Bracelet. F. W. Nittel. 1,744,685; Jan. 21.
- Fastener, Button. A. W. B. Frederick. 1,779,369; Oct. 21.
- Fastener cap and making same, Snap-. D. I. Reiter. 1,779,250; Oct. 21.
- Fastener, Cap and shell. H. Hubbell, jr. 1,774,014; Aug. 26.
- Fastener, Cardboard-box. F. R. Kinkenon. 1,776,628; Sept. 23.
- Fastener, Casement-window. P. S. Corrigan. 1,747,290; Feb. 18.
- Fastener, Casement-window. A. J. Johnson. 1,786,247; Dec. 23.
- Fastener catch for containers. W. E. Wacker. 1,762,600; June 10.
- Fastener, Chain. P. B. Diehl. 1,761,559; June 3.
- Fastener, Chain. C. H. Miller. 1,761,676; June 3.
- Fastener, Chain. H. M. Shiner. 1,761,688; June 3.
- Fastener, Chain. A. A. Thomas. 1,761,646-8; June 3.
- Fastener, Christmas-tree-ornament. F. Fisher. 1,747,892-3; Feb. 18.
- Fastener, Closure. G. P. Bebbler. 1,776,717; Sept. 23.
- Fastener, Closure. J. R. Carmany. 1,773,773; Aug. 26.
- Fastener, Closure. H. J. L. Frank. 1,746,307; Feb. 11.
- Fastener, Closure. W. T. Krueger. 1,778,261; Oct. 14.
- Fastener, Closure. E. C. May. 1,748,491; Feb. 25.
- Fastener, Closure. B. W. Willig. 1,774,307; Aug. 26.
- Fastener, Clothesline. J. B. Errett. 1,781,573; Nov. 11.
- Fastener, Clothesline. F. H. Neuberger. 1,753,901; Apr. 8.
- Fastener, Clothesline. F. H. Neuberger. 1,782,625; Nov. 25.
- Fastener, Collar. L. A. Hill. 1,781,639; Nov. 11.
- Fastener, Collar. E. R. Logan. 1,774,606; Sept. 2.
- Fastener, Collar. W. Rubinstein. 1,762,528; June 10.
- Fastener, Combination sash and screen-door. G. Roberts and M. Dysthe. 1,765,614; June 24.
- Fastener, Cord. H. I. Beardsley and H. R. Clarke. 1,752,585; Apr. 1.
- Fastener, Cross-chain. I. S. King. 1,744,554; Jan. 21.
- Fastener, Cuff. C. V. Chuprin. 1,752,732; Apr. 1.
- Fastener device. H. A. Sallop. 1,772,088; Aug. 5.
- Fastener, Door. J. N. Bertrand. 1,775,116; Sept. 9.
- Fastener, Door. E. M. Champion, jr. 1,768,188; June 24.
- Fastener, Door. R. Moodt. 1,762,000; June 3.
- Fastener, Door. W. H. Moody. 1,777,176; Sept. 30.
- Fastener, Door. J. H. Pineo. 1,780,941; Nov. 11.
- Fastener, Door. L. Taffe. 1,756,313; Apr. 29.
- Fastener, Door. T. R. Wear. 1,743,839; Jan. 14.
- Fastener, Door. G. P. Wild. 1,752,131; Mar. 25.
- Fastener, Door. G. P. Wild. 1,787,296; Dec. 30.
- Fastener-driving mechanism, Corrugated. A. E. Cranston. 1,767,580; June 24.
- Fastener element, Separable snap-. M. F. Carr. 1,758,906-7; May 13.
- Fastener, End-curl. M. C. Kapustka. 1,767,681; June 24.
- Fastener, Envelope. G. A. Holmes. 1,756,946; May 6.
- Fastener for awnings. H. B. Griner. 1,764,950; June 17.
- Fastener for belts and the like. J. C. Olsen. 1,755,304; Apr. 22.
- Fastener for door panels. R. G. Jeffery. 1,783,150; Nov. 25.
- Fastener for doors, Chain. W. M. McLaughlin. 1,777,146; Sept. 30.
- Fastener for fabrics. F. W. Nebhut. 1,773,747; Aug. 26.
- Fastener for fence posts, Wire. P. M. Christensen. 1,776,887; Sept. 30.
- Fastener for fruit baskets, Adjustable. O. O. Kendall. 1,787,202; Dec. 30.
- Fastener for packing cases. W. M. Storey. 1,780,544; Nov. 4.
- Fastener for pin tickets. F. Magidson. 1,769,885; July 1.
- Fastener for power-transmission belts. A. Noirt. 1,778,912; Oct. 21.
- Fastener for reels, Film. W. T. McCarthy. 1,761,837; June 3.
- Fastener for roller window shades. E. Dexter. 1,758,690; May 13.
- Fastener for storm windows, Adjustable. H. P. Welna. 1,753,542; Apr. 8.
- Fastener for swinging doors, Extension link. W. F. Huber. 1,764,101; June 17.
- Fastener for trimming material. R. M. Prez. 1,782,695; Nov. 25.
- Fastener for typewriters. A. P. Brown. 1,758,646; May 13.
- Fastener for wall board. A. A. McQuire. 1,768,624; July 1.
- Fastener for watch bracelets. C. R. Tost. 1,760,384; May 27.
- Fastener for window shades, Pull-cord. J. G. Mowell. 1,745,438; Feb. 4.
- Fastener for women's apparel. H. M. Gilmore. 1,750,588; Mar. 11.
- Fastener for wrist-watch bracelets. C. A. Mealy. 1,750,780; Mar. 18.
- Fastener, Garment. F. K. Alstrand. 1,748,098; Feb. 25.
- Fastener, Garment. M. Maclean. 1,745,801; Feb. 4.
- Fastener, Garment. F. M. Mulroney. 1,766,828; June 24.
- Fastener, Gate. F. Smith. 1,772,326; Aug. 5.
- Fastener, Hame. W. Boschuets. 1,760,111; May 27.
- Fastener-holding device. A. J. Neafe. 1,749,439; Mar. 4.
- Fastener, Hood. N. G. Anderson. 1,751,571; Mar. 25.
- Fastener, Hood. C. S. Ricker. 1,786,452; Dec. 30.
- Fastener, Hood. C. R. Hennicke. 1,771,678; July 29.
- Fastener, Horseshoe. B. P. Welland. 1,759,926; May 27.
- Fastener, Key. A. Knez. 1,775,247; Sept. 9.
- Fastener, Knob. K. A. Brauning and A. Lawrence. 1,743,955; Jan. 14.
- Fastener, Latch. H. A. Borresen. 1,772,854; Aug. 12.
- Fastener, Lingerie. C. L. Fox. 1,755,291; Apr. 22.
- Fastener, Locomotive-fire-door. C. H. Bilty. 1,759,882; May 27.
- Fastener, Metallic. H. Rosenberg. 1,774,846; Sept. 2.
- Fastener-operating means. N. Statham. 1,779,515; Oct. 28.
- Fastener, Overall. W. Wilds. 1,748,908; Feb. 25.
- Fastener, Pin. P. E. Fenton. 1,762,118; June 3.
- Fastener plate. G. A. Holmes. 1,759,847; May 27.
- Fastener, Pronged. H. V. Rau. 1,756,385; Apr. 29.
- Fastener, Pronger. D. I. Reiter. 1,783,748; Dec. 2.
- Fastener, Quick-operating. G. W. Blair. 1,776,847; Sept. 30.

- Fastener, Rail and tie plate. G. W. Muller. 1,752,450; Apr. 1.
- Fastener, Refrigerator-car-door. A. M. Brenne. 1,760,187; May 27.
- Fastener, Reversible stop. T. O. Schrader. 1,775,574; Sept. 9.
- Fastener, Rope. M. Haley. 1,766,121; June 24.
- Fastener, Rope. A. Schoenberger. 1,751,762; Mar. 25.
- Fastener, Rug. P. S. Donchian. 1,770,879; July 15.
- Fastener, Sash. E. H. Allen. 1,776,533; Sept. 23.
- Fastener, Sash. C. L. Harrington. 1,767,450; June 24.
- Fastener, Sash. L. S. Leasure. 1,746,734; Feb. 11.
- Fastener, Sectional. G. W. Blair. 1,775,232; Sept. 9.
- Fastener, Self-locking slide. E. D. Janes. 1,754,200; Apr. 8.
- Fastener, Separable. P. A. Aronson. 1,785,240; Dec. 16.
- Fastener, Separable. P. A. Aronson. 1,786,978; Dec. 30.
- Fastener, Separable. R. C. Legat. 1,785,740; Dec. 23.
- Fastener, Separable. J. P. Bennett. 1,746,237; Feb. 11.
- Fastener, Separable. F. S. Carr. Re17,581; Feb. 4.
- Fastener, Separable. F. S. Carr. 1,748,047; Feb. 18.
- Fastener, Separable. M. F. Carr. 1,755,591; Apr. 22.
- Fastener, Separable. M. F. Carr. 1,758,908; May 13.
- Fastener, Separable. F. S. Carr. 1,765,052; June 17.
- Fastener, Separable. F. S. Carr. 1,768,506-7; June 24.
- Fastener, Separable. M. F. Carr. 1,778,703; Oct. 14.
- Fastener, Separable. L. E. Goddu. 1,769,684; July 1.
- Fastener, Separable. C. L. Hall. 1,768,475; June 24.
- Fastener, Separable. E. L. Hoffman. 1,764,044; June 17.
- Fastener, Separable. A. F. Johnson. 1,746,194; Feb. 4.
- Fastener, Separable. G. Johnson. 1,751,239; Mar. 18.
- Fastener, Separable. G. Johnson. 1,760,833; May 27.
- Fastener, Separable. W. I. Jones. 1,759,560; May 20.
- Fastener, Separable. E. F. Lemoine. 1,775,042; Sept. 2.
- Fastener, Separable. D. Marinsky. 1,775,353; Sept. 9.
- Fastener, Separable. S. H. Norton. 1,785,715; Dec. 16.
- Fastener, Separable. G. Sundback. 1,746,565; Feb. 11.
- Fastener, Separable. G. Sundback. 1,785,234; Dec. 16.
- Fastener, Separable. G. Sundback. 1,785,920; Dec. 23.
- Fastener, Separable. R. F. Walters. 1,760,262-3; May 27.
- Fastener, Separable snap. M. F. Carr. 1,761,612; June 3.
- Fastener-setting device. O. J. Groehn. 1,743,209; Jan. 14.
- Fastener-setting machine. T. Pucar. 1,786,087; Dec. 23.
- Fastener-setting machine. R. D. Taylor. 1,749,856; Mar. 11.
- Fastener, Shade or curtain. D. Mark. 1,749,595; Mar. 4.
- Fastener, Shiftable. D. I. Reiter. 1,784,389; Dec. 9.
- Fastener, Shirt. F. Wright. 1,780,692; Nov. 4.
- Fastener, Shoe. E. F. Hall. 1,766,435; June 24.
- Fastener, Shoe-string. K. J. Mislin. 1,778,954; Oct. 21.
- Fastener slider and making same, Separable. R. H. Nicholson. 1,785,420; Dec. 16.
- Fastener, Snap. C. F. and M. V. Clark. 1,787,143; Dec. 30.
- Fastener, Snap. H. H. and S. Guttman. 1,772,393; Aug. 5.
- Fastener, Snap. G. Johnson. 1,769,695; July 1.
- Fastener, Snap. C. L. Knutson. 1,776,512-13; Sept. 23.
- Fastener, Snap. D. I. Reiter. 1,759,418; May 20.
- Fastener, Snap. R. F. Walters. 1,769,727; July 1.
- Fastener socket. G. Johnson. 1,778,259; Oct. 14.
- Fastener socket, Snap-. L. E. Goddu. 1,769,685; July 1.
- Fastener, Storm-sash. C. N. Carlson. 1,773,344; Aug. 19.
- Fastener, Strap. B. Colavecchio. 1,753,918; Apr. 8.
- Fastener stud. F. S. Carr. 1,765,053; June 17.
- Fastener stud, Snap-. F. M. Elliott. 1,782,293; Nov. 18.
- Fastener, Tag. H. C. Porter. 1,777,532; Oct. 7.
- Fastener, Tag. H. Schwartzman. 1,778,691; Oct. 14.
- Fastener tensioning and tying device. D. Kennr. 1,772,811; Aug. 12.
- Fastener, Tire-chain snap lock. C. E. Henderson. 1,748,840; Feb. 25.
- Fastener unit, Separable. A. G. Anderson. 1,755,157; Apr. 15.
- Fastener, Universal. E. J. Pommer. 1,773,545; Aug. 19.
- Fastener, Waterproof closure. H. C. Specter. 1,752,464; Apr. 1.
- Fastener, Window. C. S. Butterfield. 1,779,658; Oct. 28.
- Fastener, Window. A. Hoffman. 1,782,896; Nov. 25.
- Fastener, Window. F. Keating. 1,748,230; Feb. 25.
- Fastener, Window. I. Klein. 1,771,893; July 29.
- Fastener, Window. F. P. Reidhaar. 1,773,751; Aug. 26.
- Fastener, Window. A. N. Sanderson, F. H. Dana, and K. G. Vogel. 1,782,016; Nov. 18.
- Fastener, Window. A. J. Slingerland. 1,762,280; June 10.
- Fastener, Window. J. Socha. 1,746,291; Feb. 11.
- Fastener, Window-glass. J. Mauthe. 1,743,677; Jan. 14.
- Fastener, Window-sash. S. Bonner. 1,763,638; June 17.
- Fastener, Window-sash. C. J. McIntosh. 1,786,019; Dec. 23.
- Fastener, Window-sash. A. A. Potterf. 1,764,118; June 17.
- Fastener, Window-sash. H. Winter. 1,786,470; Dec. 30.
- Fastener, Window-screen. H. Johnson. 1,777,494; Oct. 7.
- Fastener, Wire. W. F. Monteith. 1,755,553; Apr. 22.
- Fastener with attached resilient socket, Slide. P. E. Fenton. 1,753,696; Apr. 8.
- Fastener, Wrist-watch-strap. J. W. Clark. 1,765,966; June 24.
- Fasteners, Feeding device for pronged. T. Pucar. 1,786,088; Dec. 23.
- Fasteners for receptacles, Securing means for hookless. C. A. Schmidt. 1,759,283; May 20.
- Fasteners, Inserting. S. L. Gookin. 1,748,951; Mar. 4.
- Fasteners, Manufacturing. F. G. Neuberth. 1,756,257; Apr. 29.
- Fasteners, Process of and blank for use in making sliders for separable. G. E. Prentice. 1,752,928; Apr. 1.
- Fasteners, Slider for. G. E. Prentice. 1,778,338; Oct. 14.
- Fastening and product thereof. G. Goddu. 1,742,502; Jan. 7.
- Fastening and tensioning means for vehicle-roof coverings. J. Henri-Labourdette. 1,746,779; Feb. 11.
- Fastening, Cap and shell. H. Hubbell, jr. 1,771,636; July 29.
- Fastening, Condenser-tube. H. A. Staples. 1,742,793; Jan. 7.
- Fastening device. A. C. Atkins. 1,745,521; Feb. 4.
- Fastening device. G. W. Blair. 1,775,418; Sept. 9.
- Fastening device. G. W. Blair. 1,776,848; Sept. 30.
- Fastening device. W. H. Cobb. 1,761,385; June 3.
- Fastening device. A. Maskow. 1,772,837; Aug. 12.
- Fastening device. M. H. Place. 1,781,078; Nov. 11.
- Fastening device. S. Raphael. 1,765,345; June 17.
- Fastening device. D. I. Reiter. 1,771,901; July 29.
- Fastening device. S. O. Taylor. 1,768,721; July 1.
- Fastening device, Brooch-. G. A. Siefken. 1,752,858; Apr. 1.
- Fastening device, Cable-. G. P. Caulkins. 1,767,432; June 24.
- Fastening device, Flexible. N. Statham. 1,783,550; Dec. 2.
- Fastening device for bag handles and the like. H. Leberman. 1,774,100; Aug. 26.
- Fastening device for flat articles. E. Lukacs. 1,744,560; Jan. 21.
- Fastening device for garment straps. L. A. Kelley. 1,751,925; Mar. 25.
- Fastening device for pipes of irrigation systems. H. Pope. 1,761,409; June 3.
- Fastening device for pocketbooks and the like. H. Leberman. 1,782,208; Nov. 18.
- Fastening device for wall boards. G. G. Ellinwood. 1,772,417; Aug. 5.
- Fastening device for watch bracelets. F. Armbrust. 1,766,477; June 24.
- Fastening device, Glass-. E. Pendery. 1,756,302; Apr. 29.
- Fastening device, Multiple. W. L. Pipes. 1,745,116; Jan. 28.
- Fastening device, Rail-. L. C. Likens and T. J. Davis. 1,746,084; Feb. 4.
- Fastening device, Rail-. R. L. Vare. 1,769,323; July 1.
- Fastening device, Slide-operable. A. B. Schachat. 1,763,186; June 10.
- Fastening device, Watch-. P. L. Contreau. 1,770,462; July 15.
- Fastening device with instantaneous jamming. H. L. Dardelet. 1,754,938; Apr. 15.
- Fastening devices, Forming angular-headed. B. T. Noble. 1,778,562; Oct. 14.
- Fastening distributor. W. Fromm. 1,785,832; Dec. 23.
- Fastening, Door. W. G. Rau. 1,779,491; Oct. 28.
- Fastening, Extensible. J. F. F. Winning. 1,756,775; Apr. 29.
- Fastening for corrugated plates, Stepped. J. A. Papalas. 1,775,780; Sept. 16.
- Fastening for fabrics and the like. M. Winterhalter. Re17,881; Nov. 25.
- Fastening for garments. A. Bauer. 1,776,614; Sept. 23.
- Fastening for jiggling conveyers. M. K. Parkhurst. 1,777,623; Oct. 7.
- Fastening for lamp-socket casings, Universal. E. H. Freeman. 1,769,829; July 1.
- Fastening for leggings and boots. F. Erhardt. 1,782,504; Nov. 25.
- Fastening for wearing apparel. A. Wichmann. 1,775,011; Sept. 2.
- Fastening for wearing apparel and the like. M. Winterhalter. Re17,865; Nov. 11.
- Fastening-inserting machine. G. Goddu. 1,776,428; Sept. 23.
- Fastening-inserting machine. F. N. La Chapelle. 1,757,200; May 6.
- Fastening-inserting machine. H. H. Knowlton. 1,746,262; Feb. 11.
- Fastening-inserting machine. W. T. B. Roberts. 1,785,844; Dec. 23.
- Fastening-inserting machine. T. H. Seely. 1,777,382; Oct. 7.
- Fastening installation. M. F. Carr. 1,785,825; Dec. 23.
- Fastening loose ends of tire chains. T. E. Sheldrake. 1,781,708; Nov. 18.
- Fastening means. H. E. Kondolf. 1,772,255; Aug. 5.
- Fastening means. W. Konwiser. Des. 80,273; Jan. 7.
- Fastening means. O. H. Merz. 1,758,263; May 13.
- Fastening means, Barrel-head-. D. B. McDonald. 1,785,133; Dec. 16.
- Fastening means for belts. R. S. Fowler. 1,785,947; Dec. 23.
- Fastening means for cables. J. R. Kearney. 1,783,968; Dec. 9.
- Fastening means for night aerial advertising signs or the like. R. Rohlf. 1,773,549; Aug. 19.
- Fastening means for sheet-metal culverts. G. E. Ladd. 1,776,472; Sept. 23.
- Fastening means, Leg-. W. E. Williams. 1,778,135; Oct. 14.
- Fastening mechanism. L. McNamara. 1,783,253; Dec. 2.

- Fastening, Nut and screw. F. S. Carr. 1,755,590; Apr. 22.
Fastening, Nut and screw. F. S. Carr. 1,760,834; May 27.
Fastening, Nut and screw. F. S. Carr. 1,768,505; June 24.
Fastening, Rail. J. G. and A. N. Snyder. 1,760,723; May 27.
Fastening, Sheet-metal. C. D. Cannon. 1,749,903; Mar. 11.
Fastening, Ski. J. O. Jordell. 1,755,398; Apr. 22.
Fastening-supplying apparatus. Thomas Lund. 1,771,050; July 22.
Fastening-supplying apparatus. E. R. Pope. 1,760,438; May 27.
Fastening-supplying mechanism. A. W. Dostie. 1,768,831; July 1.
Fastening-supplying mechanism. E. R. Pope. 1,751,598; Mar. 25.
Fastening, Table-leg. S. Wojtan. 1,762,042; June 3.
Fat from raw wool, Extraction of. A. Engelhardt. 1,775,590; Sept. 9.
Fat or other material from gases, Apparatus for separating. G. W. F. Catlin. 1,784,418; Dec. 9.
Fats and oils, Production of neutral. O. Jordan and G. Kraemer. 1,786,248; Dec. 23.
Fats from emulsions containing solid particles, Apparatus for recovering. J. A. L. Rozières. 1,782,974; Nov. 25.
Fats, oils, or oleaginous substances from materials yielding them, Apparatus for recovery of. W. T. Powling. 1,785,361; Dec. 16.
Fats, Regenerating used cooking. M. Brandt. 1,781,661; Nov. 11.
Fats, waxes, and resins, Oxidation of. W. Pungs. 1,780,632; Nov. 4.
Fatty or wax like bodies from their solutions, Separation of. J. K. Pfaff, K. Böttger, and A. Sieweke. 1,779,287; Oct. 21.
Fatty substances, Apparatus for melting. G. Pellerin. 1,751,713; Mar. 25.
Faucet. C. B. Albert. Des. 82,360; Oct. 28.
Faucet. W. P. Bradford. 1,760,810; May 27.
Faucet. J. P. Paradis. 1,746,603; Feb. 11.
Faucet. W. A. Schatz. 1,761,089; June 3.
Faucet. L. G. Schimmel. 1,753,535; Apr. 8.
Faucet. A. Slaten. 1,765,106; June 17.
Faucet. J. M. Travis. 1,743,738; Jan. 14.
Faucet. C. W. Wilson. 1,751,900; Mar. 25.
Faucet and the like. J. P. Paradis. 1,768,709; July 1.
Faucet attachment, Water-. C. Romanchak. 1,773,643; Aug. 19.
Faucet, Cam. A. Rosenthal. 1,775,499; Sept. 9.
Faucet, Combination. J. F. Bentley. 1,773,719; Aug. 26.
Faucet, Compound. G. Muller, jr. 1,750,485; Mar. 11.
Faucet construction. C. T. Draper. 1,744,216; Jan. 21.
Faucet, Duplex. J. C. Ross. 1,742,669; Jan. 7.
Faucet fitting. G. J. Morris. 1,747,640; Feb. 18.
Faucet fixture, Mixing-. N. August, jr. 1,754,217; Apr. 15.
Faucet handle. S. Kersten. Des. 81,314; June 3.
Faucet screen. J. H. Gavin. 1,782,758; Nov. 25.
Faucet, Soap-dispensing. S. W. Seery and J. P. Quinn. 1,777,453; Oct. 7.
Faucet-supporting plug. I. T. Kahn. 1,780,929; Nov. 11.
Faucets, Automatic shut-off for. C. J. Gordon and D. D. Goldberg. 1,744,073; Jan. 21.
Feather-renovating apparatus. J. C. Brubaker. 1,779,692; Oct. 28.
Feather renovator. C. R. Curtis. 1,755,471; Apr. 22.
Feather weaving, Method and outfit for. F. M. Harrison. 1,746,588; Feb. 11.
Feed. H. T. Herrick, O. E. May, and H. W. Titus. 1,767,178; June 24.
Feed and grain distributor. W. J. Ebersole. 1,778,588; Oct. 14.
Feed apparatus. D. S. Sammis. 1,754,121; Apr. 8.
Feed binder. D. A. Kidwell. 1,774,891; Sept. 2.
Feed-control mechanism. W. C. De Roo. 1,781,274; Nov. 11.
Feed cutter and hammer mill, Combination. H. J. Meyer. 1,776,593; Sept. 23.
Feed finger. C. F. Minnier and B. M. Daniel. 1,760,860; May 27.
Feed gun. L. R. and R. Foss. 1,782,681; Nov. 25.
Feed lubricator, Force-. A. Geffon and J. Holtzman. 1,776,659; Sept. 23.
Feed mechanism. C. F. Osgood. 1,759,021; May 20.
Feed mechanism. R. L. Wilcox. 1,779,866; Oct. 28.
Feed mechanism, Intermittent-. A. S. Howell. 1,767,846; June 24.
Feed mechanism, Pneumatic. S. Halvorsen. Re17,861; Nov. 11.
Feed mixer. I. Edland. 1,762,654; June 10.
Feed-regulating apparatus for liquids. W. S. Bowen. Re17,718; July 1.
Feed-regulating mechanism, Pneumatic. P. Davidson. 1,784,483; Dec. 9.
Feed, Safety liquid. R. F. Metcalfe. 1,778,198; Oct. 14.
Feed table. T. H. Oppenheim and B. Selhorst. 1,762,885; June 10.
Feed tank. N. R. Thibert. 1,783,891; Dec. 2.
Feed track for plastic plate glass, Inclined. R. Genenger. 1,756,118; Apr. 29.
Feed-water regulator. W. Smith. 1,785,149; Dec. 16.
Feed-water heater. E. H. Blunt. 1,745,597; Feb. 4.
Feeder. R. A. Jennings. 1,745,541; Feb. 4.
Feeder. G. T. Markey and J. B. Olson. 1,785,782; Dec. 23.
Feeder. G. F. Pfeiffer. 1,786,777; Dec. 30.
Feeder. G. H. Samlow. 1,743,571; Jan. 14.
Feeder and disintegrator or mixer. R. V. Arnold, E. E. Flickinger, and S. E. Wantz. 1,786,556; Dec. 30.
Feeder and sorter. R. G. Clark. 1,757,793; May 6.
Feeder, Animal. L. J. Schettl. 1,755,337; Apr. 22.
Feeder, Animal. J. A. Thompson. 1,752,123; Mar. 25.
Feeder, Automatic. B. Mandrich. 1,765,684; June 24.
Feeder, Dry poultry. A. S. Johnson. 1,780,392; Nov. 4.
Feeder, Hog. H. H. Amberson. 1,771,701; July 29.
Feeder, Hog. S. Bernard. 1,772,388; Aug. 5.
Feeder, Hog. J. J. Rickey and R. W. Franklin. 1,772,843; Aug. 12.
Feeder, Hog. C. V. Short. 1,769,042; July 1.
Feeder, Poultry. S. Bernard and W. J. Glenn. 1,755,532; Apr. 22.
Feeder, Poultry. C. E. Bircher. 1,751,388; Mar. 18.
Feeder, Poultry. E. S. Hoyt. 1,783,790; Dec. 2.
Feeder, Poultry. F. W. Lord. 1,768,090; June 24.
Feeder, Rotary. L. K. Aldrich. 1,747,809; Feb. 18.
Feeder, Wire. G. Müller. 1,742,966; Jan. 7.
Feeders, Adjustable guard for poultry. D. E. Speicher. 1,787,330; Dec. 30.
Feeding and conveying apparatus. E. J. Watzl. 1,755,618; Apr. 22.
Feeding and cutting device. H. J. Kroll. 1,762,822; June 10.
Feeding and cutting machine. J. A. Peterson. 1,748,243; Feb. 25.
Feeding and cutting mechanism. H. A. Morris and J. P. Aldrich. 1,742,663; Jan. 7.
Feeding and distributing device. W. D. Whitaker. 1,746,206; Feb. 4.
Feeding and folding mechanism, Circular. G. I. Hohl and H. L. Evans. 1,747,367; Feb. 18.
Felting and fulling machine. C. H. Rehfus-Oberländer. 1,760,517; May 27.
Feeding and stacking machine. L. L. Matthews. 1,752,648; Apr. 1.
Feeding and stacking method and machine. C. B. Maxson. 1,752,681; Apr. 1.
Feeding and weighing device, Material. S. Hausman. 1,777,670; Oct. 7.
Feeding apparatus. J. B. Olson and G. T. Markey. 1,785,785; Dec. 23.
Feeding apparatus for confectionery machines. A. L. Bausman. 1,754,846; Apr. 15.
Feeding apparatus for the delivery of receptacles to filling apparatus or the like. J. G. Jackson. 1,773,781; Aug. 26.
Feeding apparatus, Sheet-. L. C. Steele. 1,743,734; Jan. 14.
Feeding device. C. E. Dellenbarger. 1,777,661; Oct. 7.
Feeding device. E. A. Marsh. 1,785,132; Dec. 16.
Feeding device. G. F. Matteson. 1,746,221; Feb. 4.
Feeding device. E. Piron. 1,747,260; Feb. 18.
Feeding device, Animal-. A. V. Rowe. 1,746,558; Feb. 11.
Feeding device, Animal-. A. V. Rowe. 1,750,025; Mar. 11.
Feeding device, Automatic. F. D. Chapman. 1,749,801; Mar. 11.
Feeding device for rock drills. W. A. Smith, sr. 1,774,570; Sept. 2.
Feeding device for thrashers, Pneumatic. M. Eisele. 1,749,475; Mar. 4.
Feeding device, Material-. J. G. Marshall. 1,748,780; Feb. 25.
Feeding device with clearing mechanism. A. J. Hazle, jr. 1,746,590; Feb. 11.
Feeding hopper, Chicken-. G. N. Ebel. 1,750,580; Mar. 11.
Feeding machine, Automatic. H. A. McGill. 1,772,105; Aug. 5.
Feeding mechanism. R. T. Banks. 1,754,159; Apr. 8.
Feeding mechanism. W. Costello, jr. 1,762,764; June 10.
Feeding mechanism. M. O. Jones and W. P. Shomaker. 1,779,816; Oct. 28.
Feeding mechanism. A. Latham. 1,754,275; Apr. 15.
Feeding mechanism. C. H. Rankin. 1,748,462; Feb. 25.
Feeding mechanism for cloth-piling machines and the like. J. J. Lyth. 1,768,414; June 24.
Feeding rack for newspaper-feeding machines. M. F. Berg. 1,770,374; July 15.
Feeler for sizing. S. Einstein. 1,779,807; Oct. 28.
Feeler gauge. A. W. Amsden. 1,744,856; Jan. 28.
Feeler gauge. J. E. Hastings. 1,779,812; Oct. 28.
Feeler mechanism. R. Crompton and C. E. Knowlton. 1,761,817; June 3.
Feeler mechanism. E. Hall. 1,744,630; Jan. 21.
Felt manufacture. V. A. Wallin. 1,754,919; Apr. 15.
Felt, Manufacture of. G. D. Beal and R. R. McGregor. 1,765,046; June 17.
Felt and article made therefrom, Absorbent. H. P. Shopneck. 1,744,811; Jan. 28.
Felted fibrous products and method of manufacture. H. L. Levin. 1,782,855; Nov. 25.
Felting. C. D. Parks. 1,782,764-5; Nov. 25.
Felting property of animal hair. R. Haynn. 1,779,363; Oct. 21.
Felts made from animal hairs, Treating. H. Haakh and H. Subal. 1,745,417; Feb. 4.
Felts of polisher runners in glass-polishing apparatus, Process of and apparatus for washing off the. J. H. Griffin. 1,781,226; Nov. 11.
Fence. J. T. Barton. 1,764,284; June 17.

- Fence. R. H. Lowndes. 1,743,064; Jan. 7.
 Fence clamp. D. T. Finkbeiner. 1,766,890; June 24.
 Fence clip, Wire. E. J. Pague. 1,761,452; June 3.
 Fence construction. E. A. Tarrier. 1,764,584; June 17.
 Fence fabric, Double-woven chain-mesh. S. L. Sellers. 1,748,690; Jan. 14.
 Fence fixture, Highway-guard-. R. G. Williams. 1,751,119; Mar. 18.
 Fence gate, Automatically-operated. F. G. Rose and J. H. Murray. 1,759,207; May 20.
 Fence material and making the same. C. W. Spicer. 1,756,396; Apr. 29.
 Fence post. J. T. Bergan. 1,770,833; July 15.
 Fence post. S. Gish. 1,778,073; Oct. 14.
 Fence post. J. L. Hensch. 1,771,220; July 22.
 Fence post. J. G. Johnson. 1,764,207; June 17.
 Fence post. R. D. Martin. 1,749,640; Mar. 4.
 Fence post. H. A. Nelson. 1,776,636; Sept. 23.
 Fence-post connection. J. B. Maserang. 1,786,573; Dec. 30.
 Fence-post coupling. J. C. Scheeler. 1,749,000; Mar. 4.
 Fence post, Metal. G. A. Landmann. 1,777,801; Oct. 7.
 Fence post, Wire-holding. G. Gartner. 1,754,712; Apr. 15.
 Fence, Snow. G. L. Barrus. 1,773,128; Aug. 19.
 Fence, Snow. C. L. Brown. 1,768,974; July 1.
 Fence, State-highway guard. R. G. Williams. 1,742,838; Jan. 7.
 Fence stretcher, Woven-wire-. H. C. Raney. 1,770,660; July 15.
 Fence unit or similar structure, Garden. H. W. Phillips. Des. 81,723; July 29.
 Fence, Wire. C. G. Manners. 1,771,131; July 22.
 Fender: See—
 Ship's fender.
 Fender. J. Schulman. Des. 82,525; Nov. 11.
 Fender and brake, Vehicle. J. B. Icre. 1,771,790; July 29.
 Fender brace and lamp support. H. J. Earl. 1,770,768; July 15.
 Fender construction for vehicles. B. Lund. 1,759,793; May 20.
 Fender for vehicles, Automatic. J. S. Willman. 1,748,814; Feb. 25.
 Fender roller. A. P. Asher. 1,760,467; May 27.
 Ferment, Production of a. W. Matzka. 1,781,788; Nov. 18.
 Fermentation apparatus, Automatic. A. P. Harrison. 1,750,267; Mar. 11.
 Fermentation process. W. L. Owen. 1,744,001; Jan. 14.
 Fermenting vat. H. Kock. 1,764,841; June 17.
 Fernery. A. F. Walkerdine. Des. 81,037; Apr. 22.
 Fernery stand. J. R. Dew and R. Guffey. Des. 81,086; May 6.
 Ferric alumina. A. R. Moberg. 1,747,177; Feb. 18.
 Ferromolybdenum and ferrotungsten, Producing. P. Schwarzkopf. 1,786,393; Dec. 23.
 Ferrotitanium ores, Treating. G. J. Bancroft. 1,745,732; Feb. 4.
 Ferrous articles, Casehardening. P. A. E. Armstrong. 1,748,378; Feb. 25.
 Ferrous articles, Preparing chromium-plated. V. M. Vertucci. 1,780,213; Nov. 4.
 Ferrule and retainer for head lamps. S. W. Hyatt. 1,765,763; June 24.
 Ferryboat. P. C. Day. 1,781,656; Nov. 11.
 Fertilizer. T. Krumm. 1,771,494; July 29.
 Fertilizer, Apparatus for distributing. J. L. Hatch. 1,742,350; Jan. 7.
 Fertilizer, Apparatus for spreading. G. F. Miller. 1,766,667; June 24.
 Fertilizer composition and making the same, Ammonium-phosphate. G. H. Buchanan. 1,785,375; Dec. 16.
 Fertilizer distributor. W. L. Beall. 1,786,886; Dec. 30.
 Fertilizer distributor. F. R. Bowman. 1,774,960; Sept. 2.
 Fertilizer distributor. C. G. Goodrich. 1,781,278; Nov. 11.
 Fertilizer distributor. A. Mazak. 1,751,346; Mar. 18.
 Fertilizer distributor. A. E. Seltzer. 1,743,983; Jan. 14.
 Fertilizer distributor for cultivators. F. R. Bergsten. 1,778,622; Oct. 14.
 Fertilizer manufacture. H. H. Meyers. 1,742,448; Jan. 7.
 Fertilizer material, Manufacture of concentrated. H. H. Meyers. 1,760,990; June 3.
 Fertilizer salts, Manufacture of. H. B. Kipper. 1,768,075; June 24.
 Fertilizer spreader. W. W. Baker. 1,779,926; Oct. 28.
 Fertilizer with a base of phosphate and sulphur. B. Bodrero. 1,777,908; Oct. 7.
 Fertilizing solution for seed treatment. W. F. Gericke. 1,762,294; June 10.
 Festooning apparatus. L. S. Rosener. 1,762,243; June 10.
 Fiber article and manufacturing the same, Waterproof. E. W. Lovering and W. B. Van Arsdell. 1,751,935; Mar. 25.
 Fiber board and manufacturing fiber board. R. W. Cutler, and J. R. Coolidge, 3d. 1,779,532; Oct. 28.
 Fiber board, Apparatus for producing. H. C. Raynes. 1,754,370; Apr. 15.
 Fiber board, Composite. M. Borsodi. 1,754,784; Apr. 15.
 Fiber-board machine. O. Mantius. 1,764,456; June 17.
 Fiber board, Manufacture of. E. S. Edwards. 1,778,147; Oct. 14.
 Fiber board, Metal-reinforced. W. F. Hayes. 1,770,521; July 15.
 Fiber board or analogous material, Apparatus for manufacturing. J. J. Hinde. 1,748,224; Feb. 25.
 Fiber, Colloided cellulose and indurated. F. C. Hahn. 1,757,755; May 6.
 Fiber liberating and bleaching process. G. A. Richter and M. O. Schur. 1,780,943; Nov. 11.
 Fiber liberation, Cyclic process of. G. A. Richter. 1,781,733; Nov. 18.
 Fiber, Method of and apparatus for selecting. R. A. Webber. 1,786,973; Dec. 30.
 Fiber of high alpha cellulose content, Producing. G. A. Richter. 1,774,403; Aug. 26.
 Fiber of nonconiferous origin, Treating. G. A. Richter. 1,780,539; Nov. 4.
 Fiber product and making same. D. M. Sutherland, jr. 1,772,968; Aug. 12.
 Fiber product and process of manufacture, Water-resistant. W. H. Mason. 1,784,993; Dec. 16.
 Fiber, Purified. R. A. Gortner and W. F. Hoffman. 1,757,768; May 6.
 Fiber sheets, Embossing. L. Oxhandler. 1,784,906; Dec. 16.
 Fiber-stock-refining apparatus. J. A. Wiener. 1,775,743; Sept. 16.
 Fiber-treating device. H. R. Swanson. 1,747,913; Feb. 18.
 Fiber web, Saturated. N. C. Pike. 1,760,606; May 27.
 Fibers and textile fabrics, Treating crude. R. H. Pott. 1,750,430; Mar. 11.
 Fibers, Apparatus for the production of staple. H. Dreyfus. 1,764,202; June 17.
 Fibers, Bleaching textile. H. P. Benson. 1,773,721; Aug. 26.
 Fibers, Degumming. E. C. Duhamel. 1,748,832; Feb. 25.
 Fibers for wall board and similar structures, Production of. T. B. Munroe. 1,785,840; Dec. 23.
 Fibers from plant stalks, Apparatus for extracting. B. P. von Ehrenthal and K. Scholz. 1,757,349; May 6.
 Fibers from vitreous materials, Producing. J. G. Jackson. 1,769,181; July 1.
 Fibers, Mechanism for handling and distributing. J. Moss. 1,760,848; May 27.
 Fibers, Method of and apparatus for treating artificial. L. A. Paley. 1,779,103; Oct. 21.
 Fibers or fabrics, Rapidly-de starching. H. Tomann. 1,771,828; July 29.
 Fibers, Process of and apparatus for the dry disintegration of and deposition of. F. W. Manning. 1,786,669; Dec. 30.
 Fibers, Retting textile. M. Marcus. 1,746,316; Feb. 11.
 Fibers with alkali, Treating cellulosic. G. Tagliani. 1,776,052; Sept. 16.
 Fibrous board, Apparatus for producing felted. E. S. Sheperd. 1,782,215; Nov. 18.
 Fibrous board, Process and apparatus for producing felted. E. S. Sheperd. 1,782,214; Nov. 18.
 Fibrous composition and manufacturing same. E. P. Stevenson and H. A. Buron. 1,771,150; July 22.
 Fibrous covering and making same. H. L. Levin. 1,774,204; Aug. 26.
 Fibrous material, Apparatus for making. R. L. Loomis. 1,751,866; Mar. 25.
 Fibrous material and article produced thereby, Rubberizing. E. Hopkinson. 1,784,523; Dec. 9.
 Fibrous material, Apparatus for saturating. A. E. Schutte. 1,765,777-8; June 24.
 Fibrous material, Digestion of. T. L. Dunbar. 1,781,447; Nov. 11.
 Fibrous material for spinning, Process and apparatus for preparing staple or. E. Gminder. 1,764,074; June 17.
 Fibrous material, Manufacture of expanded. A. H. Cumfer. 1,776,076; Sept. 30.
 Fibrous material, Method and apparatus for producing. R. B. Respass. 1,770,430; July 15.
 Fibrous material, Method of and Mechanism for working. J. N. Selvig. 1,753,948; Apr. 8.
 Fibrous material, Porous. D. M. Sutherland, jr. 1,785,101; Dec. 16.
 Fibrous material, Pulping. S. D. Wells. 1,769,811; July 1.
 Fibrous materials, Apparatus for dyeing and otherwise processing. W. A. Traver. 1,777,111; Sept. 30.
 Fibrous materials, Apparatus for dyeing or otherwise processing. W. A. Traver. 1,743,254; Jan. 14.
 Fibrous materials, Digesting. S. D. Wells. 1,771,598; July 29.
 Fibrous materials transparent or translucent, Rendering. A. H. Huisken and F. L. Roman. 1,744,767; Jan. 28.
 Fibrous product and making, Water-resistant and fire-resistant. H. M. Spencer. 1,786,270; Dec. 23.
 Fibrous product and producing the same, Waterproofing. F. Queck. 1,777,447; Oct. 7.
 Fibrous sheet material and making same. J. C. Peabody and A. Bowers. 1,781,668; Nov. 11.
 Fibrous-sheet production. C. L. Keller. 1,754,024; Apr. 8.
 Field, Outdoor-sports. W. W. Henderson and R. A. Iseuberg. 1,763,782; June 17.
 Figure doll. W. O. Yancey. 1,762,374; June 10.
 Figure indicator. C. E. Reed. 1,778,607; Oct. 14.
 Figure of a dog. W. R. Howell. Des. 81,930-2; Sept. 2.
 Figure, Ornamental. I. Dichter. 1,761,879; June 3.
 Figure toy, Gravity-operated. J. N. Vasconcellos. 1,768,174; June 24.
 Figure toy, Mechanically-operated. S. I. Berger. 1,770,455; July 15.
 Figure toy, Wheel-bearing. C. A. Wetzell. Des. 82,531; Nov. 11.

- Figures or dolls, Construction of small ornamental. C. Macgregor. 1,782,576; Nov. 25.
- Filament-mounting machine. J. Regenstreif. 1,765,357; June 17.
- Filament-mounting machine. M. Wildeboer. 1,751,434; Mar. 18.
- Filament-tensioning means. W. I. Relyea. 1,756,882; Apr. 29.
- Filaments, Arrangement for mounting. W. N. Mischler. 1,745,181; Jan. 28.
- Filaments, Method and apparatus for mounting. H. de Jong. 1,752,895; Apr. 1.
- Filaments, Method and apparatus for mounting. R. G. Phelps. 1,751,419; Mar. 18.
- Filaments, Method and apparatus for mounting. W. P. Zabel. 1,752,828; Apr. 1.
- Filaments, Process of and apparatus for making artificial. C. Dreyfus and W. Whitehead. 1,773,969; Aug. 26.
- Filaments, threads, and the like, Apparatus relating to the manufacture of artificial. H. J. Hegan and E. Hazeley. 1,779,313; Oct. 21.
- Filaments, Treating artificial. C. Landeskroener. 1,767,294; June 24.
- Filaturing machine, Automatic. T. Yuasa. 1,751,968; Mar. 25.
- File. S. Anthony. 1,744,094; Jan. 21.
- File. S. Anthony. 1,755,760; Apr. 22.
- File. T. J. O'Connell. 1,755,407; Apr. 22.
- File and stationary cabinet, Portable. J. E. Yates. 1,745,392; Feb. 4.
- File, Bill. J. W. Wright. 1,748,816; Feb. 25.
- File, Binder. W. W. Spiers. 1,779,894; Oct. 28.
- File, Credit. R. J. Wood. 1,756,415; Apr. 29.
- File, Expanding. G. E. Doughty. 1,745,249; Jan. 28.
- File, Extensible and collapsible envelope. A. C. Crull. 1,766,777; June 24.
- File, Finger-nail. C. A. Foresman. Des. 82,932; Dec. 30.
- File follower. F. A. Schmitz. 1,750,544; Mar. 11.
- File grinding, Method and machine for. H. L. Bailey. 1,777,135; Sept. 30.
- File guide for saw sharpening. N. A. Booth. 1,781,626; Nov. 11.
- File machine. C. M. Logan. 1,767,468; June 24.
- File, Manicure. W. F. Wilmot. 1,743,010; Jan. 7.
- File, Metal. L. P. Erb. 1,751,034; Mar. 18.
- File, Metal-working. W. E. Gibbs. 1,746,391; Feb. 11.
- File, Paper. C. E. Attwood. 1,780,735; Nov. 4.
- File, Paper. M. M. Hansen. 1,766,072; June 24.
- File, Paper. T. Rengmann. 1,760,776; May 27.
- File, Record. E. A. Banschbach. 1,760,103; May 27.
- File-testing machine. L. C. Nielsen and W. B. Fox. 1,774,034; Aug. 26.
- File, Vertical record. L. E. Hutchings. 1,752,300; Apr. 1.
- File, Visible-card. L. Lombardini. 1,770,793; July 15.
- File, Visible record. R. Martin. 1,772,154; Aug. 5.
- Files of the sight type, Card. J. Krell. 1,779,004; Oct. 21.
- Files, saws, and similar tools, Producing the teeth on. P. Unger. 1,776,711; Sept. 23.
- Filing and handling large sheets. H. L. De Lisle. 1,749,376; Mar. 4.
- Filing apparatus. R. F. O'Neil. 1,776,268; Sept. 23.
- Filing apparatus. L. C. Ridge. 1,746,608; Feb. 11.
- Filing appliance. W. E. Dunning and J. Bachofen. 1,761,661; June 3.
- Filing appliance. W. E. Dunning. 1,784,584; Dec. 9.
- Filing appliance. W. E. Dunning. 1,787,237; Dec. 30.
- Filing device. E. A. Banschbach. 1,751,025; Mar. 18.
- Filing device. C. Boote. 1,770,836; July 15.
- Filing device. W. I. Cubberley. 1,743,600; Jan. 14.
- Filing device. E. A. Horner. 1,766,996; June 24.
- Filing device. L. E. Hutchings. 1,756,866; Apr. 29.
- Filing device. L. C. Ridge. 1,769,649; July 1.
- Filing device, Index. F. L. Wassell and R. R. Jones. 1,745,651; Feb. 4.
- Filing device, Key-. E. N. Howell. 1,742,542; Jan. 7.
- Filing device, Power gang. C. Winner. 1,781,150; Nov. 11.
- Filing device, Saw-. T. Gillmann. 1,779,969; Oct. 28.
- Filing device, Vertical. D. E. Hunter. 1,743,669; Jan. 14.
- Filing device, Vertical. D. E. Hunter. 1,743,714; Feb. 25.
- Filing drawers, Attachment for. R. H. Charlton. 1,743,756; Jan. 14.
- Filing guide, Saw. C. N. Grant. 1,753,701; Apr. 8.
- Filing machine, Saw-. L. J. Klunk. 1,766,438; June 24.
- Filing or index system. Z. Auerbach. 1,772,926; Aug. 12.
- Filing system for paper and the like. R. C. Fay. 1,742,382; Jan. 7.
- Fill box. J. B. Holtson. 1,774,439; Aug. 26.
- Filler. E. W. King. 1,768,074; June 24.
- Filler for building units and process of preparation. W. A. Freret. 1,762,267; June 10.
- Filler piece for structural-steel-framework fireproofing. J. A. Larkin. 1,773,626; Aug. 19.
- Filler ring for tire structures. F. W. Krone. 1,771,963; July 29.
- Filler rod for welding and brazing purposes. J. B. Green. 1,747,000; Feb. 11.
- Filleting machine. J. J. Barry. 1,759,828; May 27.
- Filling and binding composition. C. K. Stodder. 1,785,053; Dec. 16.
- Filling and draining device, Combined. G. V. Gavaza. 1,762,390; June 10.
- Filling and sealing cracks, Device for. W. H. Norfolk. 1,743,474; Jan. 14.
- Filling apparatus. C. E. Bre Miller. 1,769,941; July 8.
- Filling apparatus. M. Schnaier. 1,749,161; Mar. 4.
- Filling device for cigar lighters. O. H. Hershman. Des. 81,980; Sept. 9.
- Filling machine. W. F. Butler. 1,773,946; Aug. 26.
- Filling machine. C. W. Hartmann. 1,770,470; July 15.
- Filling machine. R. D. Hauger, J. E. Weaver, W. G. Wolbert, and J. E. Dunn. 1,779,879; Oct. 28.
- Filling machine. J. Kanton, O. W. Fick, and W. J. Traxel. 1,779,739; Oct. 28.
- Filling machine. K. Klefer. 1,742,546; Jan. 7.
- Filling machine. K. Kiefer. 1,763,240; June 10.
- Filling mechanism. J. Kantor, O. W. Fick, and W. J. Traxel. 1,779,171; Oct. 21.
- Filling mechanism. J. Kantor and C. H. Miller. 1,777,467; Oct. 7.
- Filling mechanism. J. Kantor and C. H. Miller. 1,777,800; Oct. 7.
- Filling mold. A. Kadow. 1,754,469; Apr. 15.
- Filling-station machine. C. F. Christopher. 1,750,389; Mar. 11.
- Film. C. Ellis. 1,773,974; Aug. 26.
- Film-advancing mechanism, Control for. E. E. Underwood. 1,742,796; Jan. 7.
- Film and apparatus, Sound-record. J. R. Balsley. 1,776,058; Sept. 16.
- Film and making, Moving-picture. J. Burkhardt. 1,785,336; Dec. 16.
- Film and manufacture, Cinematograph color. J. E. Thornton. 1,758,185; May 13.
- Film and method of producing, Motion-picture. Jakob Burkhardt. 1,771,029; July 22.
- Film, Apparatus for processing. H. V. Jamieson. 1,785,631; Dec. 16.
- Film, Apparatus for the treatment of a viscose. G. Bethmann and O. Muthig. 1,758,593; May 13.
- Film box for kinematograph cameras. A. S. Newman. 1,771,651; July 29.
- Film-camera apparatus. C. F. Hindle. 1,764,450; June 17.
- Film, Cellulose. S. E. Sheppard and J. G. McNally. 1,784,758; Dec. 9.
- Film, Cinematograph. A. H. Smith. Re17,625; Mar. 18.
- Film cut-out. H. E. Butler. 1,752,258-9; Mar. 25.
- Film cut-out. H. E. Butler. 1,784,656; Dec. 9.
- Film, Decolorizing. E. B. Middleton. 1,743,155; Jan. 14.
- Film developing and printing device. E. Wasylenko. 1,755,041; Apr. 15.
- Film-developing apparatus. G. W. Hopkins. 1,772,834; Aug. 12.
- Film drier. G. W. Hopkins. 1,756,197; Apr. 29.
- Film driving. C. L. Heisler. 1,771,922; July 29.
- Film driving. C. A. Hoxie. 1,758,794; May 13.
- Film-driving apparatus. C. L. Heisler. 1,758,832; May 13.
- Film-driving apparatus. C. A. Hoxie. 1,756,864; Apr. 29.
- Film-driving means. C. L. Heisler. 1,768,403; June 24.
- Film-embossing rollers, Making lenticular. P. R. Ord. 1,757,443; May 6.
- Film-feeding device. E. Goldberg. 1,747,705; Feb. 18.
- Film-feeding mechanism. D. E. Gilmore. 1,745,481; Feb. 4.
- Film-feeding mechanism. P. G. Swars. 1,776,330; Sept. 23.
- Film formation and operation of electrolytic condensers and other apparatus. R. D. Mershon. 1,784,674; Dec. 9.
- Film-forming element. H. E. Van Derhoef. 1,746,751; Feb. 11.
- Film for picture and sound reproduction. L. A. Jones. 1,769,518; July 1.
- Film holders, Loading fixture for. O. Becker. 1,778,140; Oct. 14.
- Film-magazine-locking device. C. De Vinna. 1,782,529; Nov. 25.
- Films, Making motion-picture. C. A. Hoxie. 1,756,863; Apr. 29.
- Film, Making stereoscope. H. K. Fairall. 1,744,459; Jan. 21.
- Film-marking apparatus. C. A. Hoxie. 1,771,825; July 29.
- Film-measuring attachment for motion-picture machines. W. Ellwood. 1,747,431; Feb. 18.
- Film-moving mechanism. O. Wittel. 1,762,939; June 10.
- Film, Multicolor cinematograph and other. J. E. Thornton. 1,758,768-9; May 13.
- Film pack and holder. E. T. Turney. 1,757,984; May 13.
- Film, Positive motion-picture. R. John. 1,778,139; Oct. 14.
- Film, Preparing sound and picture. P. C. Seel. 1,765,944; June 24.
- Film printer, Contact. E. W. Kellogg. 1,783,045; Nov. 25.
- Film printers, Forming light strips for motion-picture. L. de Beaulieu. 1,781,000; Nov. 11.
- Film-protecting method and means. K. J. E. A. Ausloos and J. W. A. Duden. 1,747,656; Feb. 18.
- Film splicer. J. Antonuk. 1,771,394; July 29.
- Film sprocket. F. H. Owens. 1,750,940; Mar. 18.
- Film-sprocket structure. A. F. Victor. 1,781,937; Nov. 18.
- Film, Transparent. C. E. Greider. 1,786,205; Dec. 23.
- Film-trapdoor lock. A. Dina. 1,746,386; Feb. 11.

- Film travel, for view taking, printing, and projection of cinematographic films, Apparatus adapted for continuous. P. Chavaroux, Paris, France. 1,765,904; June 24.
- Film-treating device, Motion-picture-. J. W. Dunn. 1,768,895; July 1.
- Film winder. C. Selbach. 1,759,024; May 20.
- Film-winding mechanism for cinematograph apparatus. F. Cowie. 1,751,192; Mar. 18.
- Film with sensitometric scale, Sound. L. A. Jones and C. M. Tuttle. 1,762,925; June 10.
- Films and the like, Winding endless cinematograph. M. Harper. 1,783,169; Nov. 25.
- Films, Apparatus for printing reticulated. R. Berthon. 1,758,137; May 13.
- Films, Apparatus for the preparation of cinematographic. L. Caute. 1,750,704; Mar. 18.
- Films, Apparatus for treating photographic. G. C. Beldler. 1,768,022; June 24.
- Films, Apparatus for treating photographic. G. C. Beldler. 1,768,501; June 24.
- Films, Developing photographic reversal. E. Mankenber. 1,780,025; Oct. 28.
- Films, Device for drying cellulose. H. Krull and H. Dethloff. 1,755,066; Apr. 15.
- Films, Device for projecting. W. J. Citron. 1,759,391; May 20.
- Films, Device for the automatic adjustment of the tensions of. E. Oehmichen. 1,786,917; Dec. 30.
- Films, Drying varnish. P. B. Cochran. 1,786,824; Dec. 30.
- Films for color cinematography, Producing. A. Pilny. 1,759,914; May 27.
- Films from cellulose solutions, Apparatus for the manufacture of. Heinrich Dethloff. 1,748,868; Feb. 25.
- Films, Manufacture of light-sensitive. U. Diem-Bernet. 1,769,940; July 8.
- Films, Manufacture of multicolor cinematograph. J. E. Thornton. 1,758,184; May 13.
- Films, Multicolor cinematograph and other. J. E. Thornton. 1,753,140; Apr. 1.
- Films of fluid materials to surfaces, Apparatus for applying. J. R. Mack. 1,768,485; June 24.
- Films, Printing cinematograph. A. S. Newman. 1,779,947; Oct. 28.
- Films, Process and medium for producing song. W. J. Conkie. 1,778,104; Oct. 14.
- Films, Producing talking-motion-picture. L. de Forest. 1,764,938; June 17.
- Films, Production of metal. W. E. Watkins. 1,766,417; June 24.
- Films, Reproduction of reticulated. R. Berthon. 1,777,954; Oct. 7.
- Films, Restoring shrunken. J. G. E. Wright. 1,783,895; Dec. 2.
- Films, Titling moving-picture. E. M. Hawes. 1,778,495; Oct. 14.
- Films, Trimmer for. S. Spires. 1,781,200; Nov. 11.
- Filter. J. Aubershek. 1,757,554; May 6.
- Filter. L. De Markus and F. B. Leopold. 1,750,879; Mar. 18.
- Filter. A. V. Gullborg. 1,763,513; June 10.
- Filter. H. Haegler. 1,757,834; May 6.
- Filter. A. Hopkins. 1,754,320; Apr. 15.
- Filter. C. E. Jenkins. 1,759,984; May 27.
- Filter. H. G. Kamrath. 1,742,768; Jan. 7.
- Filter. E. Kniesel. 1,751,819; Mar. 25.
- Filter. C. B. Lancaster. 1,759,013; May 20.
- Filter. F. B. Lomax. 1,755,482; Apr. 22.
- Filter. J. E. Otis, jr. 1,746,274; Feb. 11.
- Filter. G. S. Palmer. 1,748,654; Feb. 25.
- Filter. E. J. Sweetland. 1,768,167; June 24.
- Filter. G. F. Thomas and O. J. Herb. 1,781,964; Nov. 18.
- Filter. G. L. Walsh. 1,750,073; Mar. 11.
- Filter. R. and M. Waters. 1,775,982; Sept. 16.
- Filter. G. F. Wilde. 1,772,172; Aug. 5.
- Filter. J. Zwicky. 1,759,927; May 27.
- Filter, Acoustical-wave. H. C. Hayes. 1,751,035; Mar. 18.
- Filter-actuating mechanism. C. H. Cuno. 1,747,149; Feb. 11.
- Filter aid. V. Voorbees. 1,770,052; July 8.
- Filter, Air. E. F. Annis. 1,779,458; Oct. 28.
- Filter, Air. E. L. Barnes. 1,787,135; Dec. 30.
- Filter, Air. H. E. Birkholz. 1,747,694; Feb. 18.
- Filter, Air. A. M. Goodloe. 1,753,653; Apr. 8.
- Filter, Air. A. M. Goodloe. 1,771,846; July 29.
- Filter, Air. A. Jordahl. 1,743,675; Jan. 14.
- Filter-Air. A. Jordahl. 1,760,986; June 3.
- Filter, Air. A. Jordahl. 1,771,639; July 29.
- Filter, Air. W. M. Reed. 1,746,283; Feb. 11.
- Filter, Air. E. W. Straus. 1,743,050; Jan. 7.
- Filter, Air and gas. A. M. Goodloe. 1,765,720; June 24.
- Filter, Air and gas. G. E. Lynch. 1,766,221; June 24.
- Filter and connections therefor, Airway dust. D. B. Replogle. 1,759,276; May 20.
- Filter and controlling the pulp-level therein. J. A. McCaskell. 1,761,401; June 3.
- Filter and filter element, Oil. M. A. Goldman. 1,751,000; Mar. 18.
- Filter and fluid-eduction means for presses. F. S. Carver. 1,771,526; July 29.
- Filter and forming the same. E. J. Sweetland. 1,764,660; June 17.
- Filter and manufacturing the same, Color. M. W. Seymour. 1,769,041; July 1.
- Filter and preparing same. J. G. Capstaff. 1,762,143; June 10.
- Filter and storage unit. G. L. Rosenbaum. 1,766,228; June 24.
- Filter and upflow water softener, Combined. W. J. Kenney. Re17,621; Mar. 11.
- Filter apparatus. R. S. Butler. 1,780,905; Nov. 11.
- Filter apparatus, Rotating. J. B. Vernay. 1,765,252; June 17.
- Filter attachment for gasoline systems. C. Breer. 1,746,336; Feb. 11.
- Filter, Automatic. C. H. Cuno. 1,769,502; July 1.
- Filter, Automatic resistance-controlled air and gas. H. E. Birkholz. 1,783,181; Dec. 2.
- Filter bed. A. Lenderink. 1,780,791; Nov. 4.
- Filter-bed cleaner. H. W. Blaisdell. 1,776,062; Sept. 16.
- Filter by-pass, Oil. A. M. Babitch. 1,759,827; May 27.
- Filter-cake discharger. J. V. Zenthoefer. 1,785,237; Dec. 16.
- Filter-cake loop drier. A. O. Hurxthal. 1,755,005; Apr. 15.
- Filter cake produced from continuous filters, Treating the. B. H. Ryley. 1,781,652; Nov. 11.
- Filter casing and operating the same. E. J. Sweetland. 1,774,044; Aug. 26.
- Filter-casing construction. O. V. Greene. 1,747,364; Feb. 18.
- Filter-casing construction. O. V. Greene. 1,771,173; July 22.
- Filter, Coffee. E. C. Delsuc. 1,751,397; Mar. 18.
- Filter, Coffee. G. Galvino. 1,754,146; Apr. 8.
- Filter, Continuous acid-washed sand. C. S. Teitsworth. 1,769,476; July 1.
- Filter cover. C. A. Frankenhoff. 1,767,523; June 24.
- Filter device. F. L. M. Kenney. 1,749,730; Mar. 4.
- Filter device. A. Schrempf. 1,783,143; Nov. 25.
- Filter device. R. M. Thompson. 1,778,342; Oct. 14.
- Filter discharger. C. C. Heritage. 1,781,389; Nov. 11.
- Filter for absorbing ultra-violet light. T. Suzuki and S. Sakurai. 1,766,411; June 24.
- Filter for cleaning fluids. P. W. Morgan. 1,783,444; Dec. 2.
- Filter for gas burners, Air. G. L. Grayson and C. E. Knight. 1,754,751; Apr. 15.
- Filter for internal-combustion engines, Oil. M. Tibbetts. 1,766,847; June 24.
- Filter for liquids. F. O. Catron. 1,765,323; June 17.
- Filter for liquids. A. Grønning. 1,758,284; May 13.
- Filter for liquids under pressure. G. Javitch. 1,764,567; June 17.
- Filter, Gasoline. M. E. E. Dardani. 1,784,622; Dec. 9.
- Filter, Gasoline. L. Rotella. 1,772,366; Aug. 5.
- Filter, Gravity-flow visible. E. B. Guthmann and D. C. Corbett. 1,762,224; June 10.
- Filter, High-current. E. G. Gage. 1,772,541; Aug. 12.
- Filter installation, Oil. L. V. Cram and C. W. McKinley. 1,768,511; June 24.
- Filter leaf. E. J. Sweetland and J. V. Zenthoefer. 1,746,409; Feb. 11.
- Filter-leaf construction. W. H. Bachelder. 1,787,100; Dec. 30.
- Filter, Light. I. Shoji. 1,751,220; Mar. 18.
- Filter, Line. C. G. Hawley. 1,755,780; Apr. 22.
- Filter, Liquid. H. Feldmeier. 1,750,997; Mar. 18.
- Filter, Liquid. C. L. Sheppy. 1,758,412; May 13.
- Filter, Magazine. F. W. Manning. 1,742,919; Jan. 7.
- Filter mat. R. Strindberg. 1,757,690; May 6.
- Filter medium and body formed therefrom. R. L. Hartwell. 1,774,232; Aug. 26.
- Filter members, Apparatus for producing. W. L. Kraemer and A. C. Purdy. 1,745,426; Feb. 4.
- Filter more particularly for artificial-silk-spinning machines, Exchangeable. W. Zur Löwen. 1,784,103; Dec. 9.
- Filter, Multidisk suction. V. C. Benjamin. 1,757,355; May 6.
- Filter, Oil. A. M. Babitch. 1,761,963; June 3.
- Filter, Oil. C. C. Blackmore. 1,760,340; May 27.
- Filter, Oil. B. H. Carlisle. 1,755,912; Apr. 22.
- Filter, Oil. T. P. Chase. 1,768,350; June 24.
- Filter, Oil. M. P. Harwood and C. W. McKinley. 1,761,915; June 3.
- Filter, Oil. F. G. Hobart. 1,764,722; June 17.
- Filter, Oil. H. G. Kamrath. 1,761,924; June 3.
- Filter, Oil. O. A. Maunula and W. R. Rowland. 1,750,935; Mar. 18.
- Filter, Oil. C. W. McKinley. 1,746,222; Feb. 4.
- Filter, Oil. C. W. McKinley and H. G. Kamrath. 1,768,367; June 24.
- Filter, Oil. A. M. Niven. 1,778,910; Oct. 21.
- Filter, Oil. F. N. Nutt. 1,761,932; June 3.
- Filter, Oil. C. R. Short. 1,753,809; Apr. 8.
- Filter, Oil. C. A. Winslow. 1,780,663; Nov. 4.
- Filter, Oil. H. L. Worbois. 1,742,743; Jan. 7.
- Filter press. G. Cooper. 1,743,117; Jan. 14.
- Filter press. H. Jung. 1,771,928; July 29.
- Filter press. L. Revel. 1,785,494; Dec. 16.
- Filter press. A. F. Wendler. 1,765,389; June 24.
- Filter press, Hydraulic. W. H. Mathers. 1,749,080; Mar. 4.
- Filter press, Tipping. P. W. Prutzman and V. C. Benjamin. 1,754,401; Apr. 15.
- Filter presses, Method and apparatus for operation of. C. E. Shaw. 1,767,318; June 24.

- Filter, Rain-water. L. W. French. 1,777,609; Oct. 7.
 Filter, Rotating. E. B. Goodwin. 1,758,910; May 13.
 Filter-sand-washing machine. M. L. Bayard. 1,784,798; Dec. 9.
 Filter system. J. K. Elderkin. 1,773,304; Aug. 19.
 Filter, Water. C. L. Burright and M. J. Snyder. 1,752,060; Mar. 25.
 Filter, Water. J. G. Peters and C. G. Bleasdale. 1,775,355; Sept. 9.
 Filter, Wave. H. A. Affel. 1,772,506; Aug. 12.
 Filter, Wave. W. P. Mason. 1,781,469; Nov. 11.
 Filtering. C. D. Morton. 1,762,560; June 10.
 Filtering and cleaning filters, Method and apparatus for. L. L. Dollinger. 1,784,278; Dec. 9.
 Filtering and decanting apparatus. C. Piccardo. 1,753,577; Apr. 8.
 Filtering and dust-collecting apparatus. I. Hechenbleikner. 1,782,823; Nov. 25.
 Filtering apparatus. J. M. Callow. 1,766,166; June 24.
 Filtering apparatus. F. Clasen and H. Lenckerstorf. 1,784,339; Dec. 9.
 Filtering apparatus. C. H. Cuno. 1,747,148; Feb. 11.
 Filtering apparatus. E. W. W. Keene. 1,783,937; Dec. 2.
 Filtering apparatus. W. W. Nugent. 1,767,856; June 24.
 Filtering apparatus, Electrical. P. H. Geiger and L. O. Grondahl. 1,784,004; Dec. 9.
 Filtering device. C. A. and P. X. McGeehan. 1,750,185; Mar. 11.
 Filtering device. F. W. Young. 1,780,777; Nov. 4.
 Filtering device for heating apparatus, Air-. J. A. Wall's. 1,782,374; Nov. 18.
 Filtering machine, Pulp-. E. C. Loetscher. 1,787,047; Dec. 30.
 Filtering material. H. Blumenberg, jr. 1,777,546; Oct. 7.
 Filtering materials, Treating. J. V. Apablaza. 1,742,433; Jan. 7.
 Filtering means. H. L. Horning. 1,777,311; Oct. 7.
 Filtering medium. C. T. Cabrera. 1,743,525; Jan. 14.
 Filtering method and apparatus. C. W. Rundlett. 1,742,281; Jan. 7.
 Filtering method and means. J. J. Naugle. 1,772,262; Aug. 5.
 Filtering or like device. H. A. Thompson. 1,754,728; Apr. 15.
 Filtering or like device. H. A. Thompson. 1,757,153; May 6.
 Filtering system. R. N. Perkins. 1,758,331; May 13.
 Filtering system and apparatus, Gasoline-. B. V. Stoll. 1,752,709; Apr. 1.
 Filtering system for lubricants. W. W. Nugent. 1,768,139; June 24.
 Filters, Cake-discharging means for pressure. J. A. McCaskell. 1,784,372; Dec. 9.
 Filters, Cleaning of. E. Folta. 1,768,314; June 24.
 Filters, Reconditioning sand. C. S. Teitsworth. 1,769,475; July 1.
 Filters, Top feed for rotary. R. O. Boykin. 1,775,155; Sept. 9.
 Filtration apparatus. C. T. Cabrera. 1,754,667; Apr. 15.
 Filtration apparatus. A. W. Petrey. 1,762,738; June 10.
 Filtration, Edge. H. S. Hele-Shaw and J. A. Pickard. 1,744,510; Jan. 21.
 Filtration medium. H. E. Birkholz. 1,758,881; May 13.
 Filtration process and apparatus. C. T. Cabrera. 1,776,883; Sept. 30.
 Filtration system. C. T. Cabrera. 1,784,132; Dec. 9.
 Filtration system. J. Pugliese. 1,783,341; Dec. 2.
 Fine-grading machine. B. D. Baker. 1,768,657; July 1.
 Fines, Roasting. H. J. Cordy and W. J. Burgoyne. 1,758,188; May 13.
 Finger board. H. F. Newman and F. A. Williams. 1,766,347; June 24.
 Finger guard. L. C. Lichty and M. Perugino. 1,773,108; Aug. 19.
 Finger plate for dial switches, Molded. G. Hurford and N. V. Kipping. 1,765,428; June 24.
 Fingerprint machine and method. C. F. Glass. 1,750,099-100; Mar. 11.
 Fingerprints, System and means of. L. T. White. 1,775,794; Sept. 16.
 Finger ring. H. Bates. Des. 82,127; Sept. 30.
 Finger ring. J. Granat. Des. 82,934; Dec. 30.
 Finger ring. S. Grossman. Des. 81,442; June 24.
 Finger ring. O. F. Klinke. Des. 81,342; June 10.
 Finger ring. N. Leisten. Des. 80,277; Jan. 7.
 Finger ring. C. M. Levy. Des. 80,573; Feb. 25.
 Finger ring. C. M. Levy. Des. 81,058; Apr. 29.
 Finger ring. N. C. Levy. Des. 81,544; July 8.
 Finger ring. L. H. Liebs. 1,758,447; May 13.
 Finger ring. J. H. Schaeffer. Des. 82,705; Dec. 2.
 Finger ring. L. M. Wargin. 1,785,217; Dec. 16.
 Finger ring or article of similar nature. B. Gross. Des. 81,386; June 17.
 Finial for lighting fixtures or similar articles. C. F. Haas. Des. 82,498; Nov. 11.
 Finish on metal surfaces, Producing two-toned. M. J. Udy. 1,780,212; Nov. 4.
 Finisher for turned work, Surface. E. De Haan. 1,747,862; Feb. 18.
 Finishing device. C. J. Steuber. 1,748,313; Feb. 25.
 Finishing machine. W. Hamann. 1,757,188; May 6.
 Finishing machine. F. Hinneken. 1,752,949; Apr. 1.
 Finishing machine. J. F. Robb. 1,760,442; May 27.
 Finishing machine, Edge-. W. J. Johnson. 1,758,401; May 13.
 Finishing strip. F. W. Merrick. 1,746,199; Feb. 4.
 Finishing wheel. F. C. Simmons. 1,764,651; June 17.
 Finned tube. H. W. Bundy. 1,760,038; May 27.
 Finned tube. H. W. Bundy. 1,761,981; June 3.
 Finned tube into shapes, Forming. H. W. Bundy. 1,760,039; May 27.
 Finned tubing, Making. H. W. Bundy. 1,761,980; June 3.
 Fire alarm. J. S. Cawthon. 1,753,361; Apr. 8.
 Fire alarm. J. H. Conner. 1,779,463; Oct. 28.
 Fire alarm. E. Erickson and A. Warren. 1,778,630; Oct. 14.
 Fire alarm. C. D. Hotchkiss. 1,746,426; Feb. 11.
 Fire alarm. W. M. Riley. 1,771,691; July 29.
 Fire-alarm and watchman's recording box, Combination. F. B. Love and B. H. Smith. 1,784,530; Dec. 9.
 Fire-alarm apparatus. W. Kluz. 1,746,482; Feb. 11.
 Fire alarm, Automatic. P. F. Dodunski. 1,755,473; Apr. 22.
 Fire alarm, Automatic. P. Gerst. 1,747,068; Feb. 11.
 Fire alarm, Automatic. C. E. Ormsby. 1,775,777; Sept. 16.
 Firearm, Automatic. L. Stange. 1,755,034; Apr. 15.
 Fire alarm, Electric. L. C. Brouty. 1,772,127; Aug. 5.
 Fire-alarm signal. E. C. J. Bouillon. 1,760,470; May 27.
 Fire-alarm switch. W. J. Burke. 1,759,887; May 27.
 Fire-alarm switch. G. J. Francoeur. 1,766,497; June 24.
 Fire-alarm system, Automatic. W. S. Piper. 1,774,995; Sept. 2.
 Fire apparatus. J. B. Blaw. 1,775,846; Sept. 16.
 Firearm. L. L. Driggs, jr., and H. B. Faber. 1,747,057; Feb. 11.
 Firearm. C. J. Jefferson. 1,787,004; Dec. 30.
 Firearm. C. C. Loomis. 1,763,714; June 17.
 Firearm. C. C. Loomis. 1,786,213; Dec. 23.
 Firearm. O. H. Loomis. 1,763,665; June 17.
 Firearm. R. F. Sedgley. Re17,571; Jan. 21.
 Firearm arranged on mounting. F. Herlach. 1,771,084; July 22.
 Firearm, Automatic. F. Herlach and T. Rakula. 1,746,471; Feb. 11.
 Firearm, Automatic. B.-A. Revelli. 1,759,277; May 20.
 Firearm, Automatic. H. Schuler. 1,746,364; Feb. 11.
 Firearm, Automatic. R. von Frommer. 1,758,486; May 13.
 Firearm, Collapsible. J. W. Harrington. 1,779,770; Oct. 28.
 Firearm cushion. A. C. Hodge. 1,774,060; Aug. 26.
 Firearm, Double-barreled. L. Stiennon. 1,785,794; Dec. 23.
 Firearm, Multiple-barrel. F. F. Burton. 1,785,765; Dec. 23.
 Firearm, Self-defense. J. H. Westlund. 1,784,563; Dec. 9.
 Firearm with sliding barrel and locked breech, Automatic. F. Herlach. 1,770,135; July 8.
 Firearm with two cartridge magazines, Automatic. F. Herlach and T. Rakula. 1,784,355; Dec. 9.
 Firearms, Apparatus for filling magazines for self-loading. V. Holek. 1,786,537; Dec. 30.
 Firearms, Barrel stop for breakdown. F. F. Burton. 1,785,764; Dec. 23.
 Firearms, Device for feeding cartridges and for cocking the striker in automatic. G. Mascarucci. 1,783,577; Dec. 2.
 Firearms, Firing mechanism for automatic. E. Holek. 1,786,536; Dec. 30.
 Firearms, Marksmanship-training device for. D. B. Howard. 1,786,614; Dec. 30.
 Firearms, Shock-absorbing structure for. G. R. Ledford. 1,783,246; Dec. 2.
 Firearms, Sight for. T. A. Watson. 1,760,389; May 27.
 Firearms, Sight for. T. A. Watson. 1,770,445; July 15.
 Firearms, Trigger apparatus for the single and continuous fire of automatic. L. Stange. 1,753,072; Apr. 1.
 Fire bar. G. H. Collins. 1,751,395; Mar. 18.
 Fire box for boilers. G. H. Emerson. 1,771,291; July 22.
 Fire box for cast-iron boilers. H. E. Gilbert. 1,743,129; Jan. 14.
 Fire boxes, Forced-draft attachment for. F. I. Sleaster. 1,743,048; Jan. 7.
 Fire-bucket tank. W. F. Conran. 1,754,980; Apr. 15.
 Fire-control apparatus. H. Just and H. Hort. 1,770,783; July 15.
 Fire-control apparatus for firing at movable targets. A. Steinhilber. 1,762,800; June 10.
 Fire-control mechanism. H. W. Nieman. 1,751,649; Mar. 25.
 Firecracker combination. T. G. Hitt. 1,770,921; July 22.
 Fire-detecting apparatus. G. M. and A. P. Marr. 1,752,496; Apr. 1.
 Fire escape. C. C. Abbott and W. E., B. L., and I. L. Bassett. 1,782,951; Nov. 25.
 Fire escape. C. E. Martin. 1,753,798; Apr. 8.
 Fire escape, Individual. F. E. Tucker. 1,766,566; June 24.
 Fire escape of sliding type. A. H. Sturges. 1,754,375; Apr. 15.
 Fire-escape railing structure. E. Ehlers. 1,742,202; Jan. 7.
 Fire extinguisher. N. Bellocchio. 1,779,959; Oct. 28.
 Fire extinguisher. L. Brillou. 1,767,428; June 24.
 Fire extinguisher. W. B. Bronander. 1,769,618; July 1.
 Fire extinguisher. C. R. D'Olive. 1,766,985; June 24.
 Fire extinguisher. F. R. De Garmo. 1,770,028; July 8.

- Fire extinguisher. H. M. Grills, W. O. Blagdon, and E. J. Brisbow. 1,743,133; Jan. 14.
- Fire extinguisher. M. Lebecque and Frank McDonnell. 1,772,425; Aug. 5.
- Fire extinguisher. P. G. MacGregor. 1,764,964; June 17.
- Fire extinguisher. P. G. MacGregor. 1,768,700; July 1.
- Fire extinguisher. P. G. MacGregor. 1,782,539; Nov. 25.
- Fire extinguisher. F. T. Matthews. 1,750,184; Mar. 11.
- Fire extinguisher. H. R. Minor. 1,760,274; May 27.
- Fire extinguisher. G. W. Moffitt. 1,758,458; May 13.
- Fire extinguisher. J. Raus. 1,750,859; Mar. 18.
- Fire extinguisher. F. T. Wilcox. 1,782,083; Nov. 18.
- Fire extinguisher. W. D. Witter. 1,760,294; May 27.
- Fire extinguisher, Automatic. H. C. Laengel. 1,766,912; June 24.
- Fire extinguisher, Automatic. H. W. Partlow. 1,749,155; Mar. 4.
- Fire extinguisher, Automatic. H. W. Partlow. 1,757,213; May 6.
- Fire extinguisher, Automatic. H. W. Partlow. 1,764,689; June 17.
- Fire extinguisher containing a pressure-gas cylinder, Dry. W. Friedrich. 1,768,047; June 24.
- Fire extinguisher for aircraft. C. L. Paulus and R. Kauch. 1,745,909; Feb. 4.
- Fire extinguisher for dry-cleaning apparatus, etc. D. Mapes. 1,778,034; Oct. 14.
- Fire extinguisher, Hand. W. Gosmann. 1,776,807; Sept. 30.
- Fire extinguisher, Hand. H. C. Hays. 1,765,374; June 24.
- Fire extinguisher, Hand foamite. J. A. McCracken. 1,781,292; Nov. 11.
- Fire extinguisher, Portable. K. Schmidt. 1,751,218; Mar. 18.
- Fire extinguisher, Underground. J. W. Butler. 1,756,582; Apr. 29.
- Fire-extinguisher unit. P. Evans and M. P. Stoney. Des. 82,735; Dec. 9.
- Fire extinguishers, Actuator for. H. W. Partlow. 1,755,835; Apr. 22.
- Fire extinguishers, Charge for. C. A. Thomas and C. A. Hochwalt. 1,777,339; Oct. 7.
- Fire extinguishers, Grenade support for. H. M. Grills. 1,751,810; Mar. 25.
- Fire extinguishers, Release mechanism for. H. W. Partlow. 1,752,503; Apr. 1.
- Fire, Extinguishing. G. C. Hiss. 1,760,359; May 27.
- Fire-extinguishing apparatus, Automatic. F. L. Boyd. 1,768,739; July 1.
- Fire-extinguishing apparatus, Manual release for. W. H. Freygang. 1,757,563; May 6.
- Fire-extinguishing device. W. J. Ruff. 1,767,098; June 24.
- Fire-extinguishing device for tanks and other receptacles containing inflammable liquids. F. Neumann. 1,770,623; July 15.
- Fire-extinguishing foam, Apparatus for producing. F. L. Boyd. 1,785,723; Dec. 16.
- Fire-extinguishing foam, Method of and apparatus for producing. W. Palmer. 1,782,366; Nov. 18.
- Fire-extinguishing foam, Method of and system for generating. D. W. Patterson. 1,784,680; Dec. 9.
- Fire-extinguishing system. D. Mapes. 1,781,026; Nov. 11.
- Fire-extinguishing system. D. W. Patterson. 1,752,263; Mar. 25.
- Fire-extinguishing system. A. Valente. 1,760,385; May 27.
- Fire-extinguishing systems, Release mechanism for. D. Mapes. 1,781,854; Nov. 18.
- Fire-fighting apparatus. H. Burmeister. 1,762,089; June 3.
- Fire foam, Continuous production of. J. A. McCracken. 1,781,295; Nov. 11.
- Fire foam into tanks and the like containing combustible liquids, Device for introducing. B. Reddemann. 1,746,844; Feb. 11.
- Fire-foam production, Apparatus for. P. W. Prutzman. 1,781,300; Nov. 11.
- Fire hazards in vehicles, Reduction of. K. F. Marx. 1,761,221; June 3.
- Fire kindler. C. and F. Krei. 1,767,293; June 24.
- Fire kindler. F. A. Taschner. 1,753,390; Apr. 8.
- Fireplace. E. Burg. 1,762,505; June 10.
- Fireplace. H. P. Dowler. 1,756,511; Apr. 29.
- Fireplace. J. G. Johnson. Des. 81,195-6; May 20.
- Fireplace. T. F. Mooney. 1,758,459; May 13.
- Fireplace. E. H. Richardson. 1,768,150; June 24.
- Fireplace. E. Van Kirk. 1,776,171; Sept. 16.
- Fireplace, Combination. I. Risdon. 1,786,453; Dec. 30.
- Fireplace dome. H. H. Walters. 1,763,076; June 10.
- Fireplace heater. J. M. Cesa. 1,766,601; June 24.
- Fireplace heating furnace. C. E. Radford. 1,773,858; Aug. 26.
- Fireplace protector. P. Combs. 1,770,878; July 15.
- Fireplace screen. H. G. Chadbourne. 1,779,660; Oct. 28.
- Fireplace screen. M. J. Huckler. 1,776,833; Sept. 30.
- Fireplace screen. E. Hutchinson, jr. 1,759,619; May 20.
- Fireplace, Sheet-metal. H. H. Walters. 1,771,668; July 29.
- Fire pot. W. Blaskewitz. 1,770,566; July 15.
- Fire pot. E. J. Ludt. 1,742,362; Jan. 7.
- Fire-pot structure. W. Blaskewitz. 1,760,869; June 3.
- Fire-preventing means for motion-picture-projecting machines. T. L. Feeney and H. Godoy. 1,749,577; Mar. 4.
- Fireproof arch. C. H. Butz. 1,772,797; Aug. 12.
- Fireproof padding. W. I. Weaver. 1,746,136; Feb. 4.
- Fire-protection device, Automatic. B. Richards. 1,761,406; June 3.
- Fire protection, Oil-tank. W. D. Witter. 1,754,005; Apr. 8.
- Fire-resisting material, Making a. W. T. Winckler. 1,743,176; Jan. 14.
- Fire trap for internal-combustion engines. M. Hedglon. 1,758,442; May 13.
- Fire wall. M. Liptak. 1,750,532; Mar. 11.
- Firework composition, Detonating. W. F. Gehrig. 1,771,116; July 22.
- Fireworks construction. J. H. Shunk, jr. 1,761,094; June 3.
- Firing apparatus. Y. Törneman and A. Å. Anjou. 1,744,248; Jan. 21.
- Firing mechanism. G. M. McCann. 1,750,722; Mar. 18.
- Firing mechanism, High-speed. J. C. Garand. 1,780,521; Nov. 4.
- Firing system, Director. E. A. Sperry and E. Meitner. 1,755,340; Apr. 22.
- Firing system, Terra-cotta. A. H. Sheffield. 1,749,988; Mar. 11.
- Fires, Extinguishing. O. Trelchel. 1,771,151; July 22.
- Fish bait or lure. F. A. Arbogast. 1,770,904; July 22.
- Fish bait, Preserving. W. E. Picht. 1,746,714; Feb. 11.
- Fish bowl and lamp combination. M. Jyumi. 1,762,634; June 10.
- Fish catch. A. F. Shireman. 1,747,033; Feb. 11.
- Fish-cleaning machine. V. Bottker and B. Grondahl. 1,777,069; Sept. 30.
- Fish-cutting machine. E. A. Gallison. 1,754,157; Apr. 8.
- Fish-filleting machine. E. A. Gallison. 1,757,013; May 6.
- Fishhook and weed guard. J. E. Brown. 1,766,279; June 24.
- Fishhook, Automatically-releasable spring-actuated. T. Horikoshi. 1,745,834; Feb. 4.
- Fishhook disgorging. G. W. Jeffery. 1,777,695; Oct. 7.
- Fishhook spreader and making the same. H. W. Meyer. 1,782,010; Nov. 18.
- Fishhooks, Swivel attachment for. S. F. Davenport. 1,744,366; Jan. 21.
- Fish life, Producing a balanced environment for. J. T. and M. E. Travers. 1,747,804; Feb. 18.
- Fish lure. E. J. Babbitt. 1,758,817; May 13.
- Fish lure. A. F. Boehm. Des. 81,433; June 24.
- Fish lure. B. Fisher. 1,778,214; Oct. 14.
- Fish lure. L. S. Lemere and W. M. Long. 1,777,004; Sept. 30.
- Fish lure. E. H. Peckinpah. 1,781,598; Nov. 11.
- Fish lure. C. T. Pfueger. 1,750,604; Mar. 11.
- Fish lure. F. E. Shroyer. 1,776,090; Sept. 16.
- Fish lure. A. J. Sobecki. 1,752,706; Apr. 1.
- Fish lure. E. E. Weller. 1,777,594; Oct. 7.
- Fish lure, Artificial. W. F. Hagen. 1,772,250; Aug. 5.
- Fish lure, Artificial. L. Johnson. 1,785,310; Dec. 16.
- Fish products, Process and apparatus for the recovery of. L. A. Taylor and A. Osbourne. 1,775,740; Sept. 16.
- Fish scaler. J. J. Barry. 1,746,813; Feb. 11.
- Fish scaler, Automatic. W. Reilly. 1,758,675; May 13.
- Fish-scaling machine. J. W. Price. 1,775,693; Sept. 16.
- Fish skins, Treatment of. A. Ehrenreich. 1,762,053; June 3.
- Fish trap. J. K. Nicolayson. 1,762,881; June 10.
- Fish trap. O. Sperling. 1,773,324; Aug. 19.
- Fisherman's outfit. A. E. Holbrook. 1,767,887; June 24.
- Fishing apparatus. V. Castorina. 1,747,926; Feb. 18.
- Fishing device. C. V. See. 1,752,397; Apr. 1.
- Fishing lure. L. A. Chapleau. 1,745,006; Jan. 28.
- Fishing lure. J. E. Jensen. 1,782,204; Nov. 18.
- Fishing lure. A. L. Lee. 1,758,160; May 13.
- Fishing lure. G. W. Miller. 1,770,003; July 8.
- Fishing pole. F. S. Herris. 1,748,223; Feb. 25.
- Fishing reel. H. A. Bokelund. Des. 82,791; Dec. 16.
- Fishing reel. H. S. Broadwell and S. T. Thorpe. 1,783,494; Dec. 2.
- Fishing reel. W. A. Foss. 1,744,461; Jan. 21.
- Fishing reel. C. T. Pfueger. Des. 81,995; Sept. 9.
- Fishing reel. C. T. Pfueger. Des. 82,279; Oct. 14.
- Fishing reel. S. G. Russell and R. R. Potter. 1,759,065; May 20.
- Fishing reel. S. G. Russell. 1,766,086; June 24.
- Fishing reel. W. Stanley. 1,755,195; Apr. 22.
- Fishing reels, Lubricating cap nut for. F. M. Case. 1,762,158; June 10.
- Fishing rod. E. J. Bryer and C. H. Pierce. 81,957; Sept. 9.
- Fishing rod. R. H. Cowdery. Des. 80,990; Apr. 15.
- Fishing rod. H. F. Gephart. 1,785,027; Dec. 16.
- Fishing rod. C. T. Pfueger. 1,752,027; Mar. 25.
- Fishing rod. J. W. Soltis. 1,763,934; June 17.
- Fishing rod. S. T. Thorpe and N. P. Peterson. 1,752,865; Apr. 1.
- Fishing rod and making same. R. H. Cowdery and W. D. Grimes. 1,755,159; Apr. 15.
- Fishing rod and reel. F. H. Brundage. 1,742,645; Jan. 7.
- Fishing rods, Line-supporting ring for. C. A. Cook. 1,781,569; Nov. 11.
- Fishing rods, Reel seat for. W. L. Beatty. 1,745,398; Feb. 4.
- Fishing tackle. J. Hren. 1,750,842; Mar. 18.

- Fishing tackle. C. T. Pfeuger. 1,766,532; June 24.
 Fishing tackle. H. T. Shogren. 1,771,587; July 29.
 Fishing tackle. V. Vasilovsky. 1,767,723; June 24.
 Fishing tool. W. M. Jenkins. 1,743,455; Jan. 14.
 Fishing tool. B. M. Jensen. 1,758,364; May 13.
 Fishing tool. V. Monroe. 1,771,808; July 29.
 Fishing tool. J. M. Sauls. 1,745,274; Jan. 28.
 Fishing tool. F. J. Spang. 1,775,328; Sept. 9.
 Fishing tool, Shrouded rotary. J. W. Hughes. 1,742,767; Jan. 7.
 Fishing trap. M. F. Killory. 1,777,496; Oct. 7.
 Fitted traveling bag. E. Herrmann. 1,752,948; Apr. 1.
 Fitting for containers. T. W. Rieke. 1,748,923; Feb. 25.
 Fitting for electrical conduit systems. J. M. G. Fullman. 1,782,779; Nov. 25.
 Fitting for insulators. A. O. Austin. 1,786,730; Dec. 30.
 Fitting for tubular structures. H. Bryant. 1,765,651; June 24.
 Fittings and pipe system for soot cleaners. F. W. Linaker and T. M. Bruback. 1,752,442; Apr. 1.
 5-halogen-2-cyano-3-amino-1-methyl-benzene compounds. E. Hoffa and H. Heyna. 1,774,650; Sept. 2.
 Fixture, Centrifugal. C. G. Hawley. 1,765,918; June 24.
 Fixture construction. R. B. Benjamin. 1,787,032; Dec. 30.
 Fixture, Curtain. W. C. Kenney. 1,743,608; Jan. 14.
 Fixture, Curtain. J. L. Mohun and H. Piesch. 1,784,375; Dec. 9.
 Fixture, Curtain. H. D. Severson. 1,751,105; Mar. 18.
 Fixture, Curtain. E. Sparke. 1,748,312; Feb. 25.
 Fixture, Display. S. C. Nickle. 1,743,565; Jan. 14.
 Fixture, Drapery-suspension. C. W. Kirsch. 1,756,365; Apr. 29.
 Fixture, Electrical. W. A. Adams. 1,745,396; Feb. 4.
 Fixture for cables, Dead-end. T. Varney. 1,746,879; Feb. 11.
 Fixture for engine cylinders, Safety. L. P. Barlow. 1,746,760; Feb. 11.
 Fixture for forming bearings. F. C. Jones and W. S. Enderich. 1,777,567; Oct. 7.
 Fixture for holding ring gears. J. E. Lovely. 1,764,026; June 17.
 Fixture for poles, Gain. R. G. Williams. 1,761,509; June 3.
 Fixture for roller screens or shades. E. C. Philipps. 1,753,751; Apr. 8.
 Fixture for show cases. E. N. White. 1,746,173; Feb. 4.
 Fixture for window shade, curtain, and drapery supports, Adjustable. C. A. Bunker. 1,751,126; Mar. 18.
 Fixture hanger. G. L. Barnes. 1,777,598; Oct. 7.
 Fixture, Light. S. Kramer. Des. 80,533; Feb. 18.
 Fixture, Mixing-faucet. N. August, Jr. 1,743,804; Jan. 14.
 Fixture, Plumbing. A. M. Khun. 1,765,078; June 17.
 Fixture strap, Adjustable. K. K. Nielsen. 1,782,791; Nov. 25.
 Fixture stud. J. J. Madden. 1,769,379; July 1.
 Flag, Christmas. S. Connochie and H. Walker. Des. 81,478; July 1.
 Flag for rural mail boxes. L. J. Beeman. 1,757,162; May 6.
 Flagpole, Adjustable. E. Miller. 1,742,481; Jan. 7.
 Flagstuffs, Ornamental cap for. W. A. Troth. 1,748,625; Feb. 25.
 Flake-forming method. J. T. Cox. 1,754,266; Apr. 15.
 Flaker and producing relatively thick flakes of a congealed liquid. E. A. Taylor. 1,775,177; Sept. 9.
 Flame arrester. M. F. Yount. 1,755,624; Apr. 22.
 Flange lubricator. E. C. Howerton and A. Berglin. 1,751,635; Mar. 25.
 Flange oiling and safety device. G. W. Grismore. 1,753,410; Apr. 8.
 Flange, Safety. P. J. Shouvin. 1,772,270; Aug. 5.
 Flanged articles, Forming. R. K. Hopkins. 1,744,549; Jan. 21.
 Flanges for automobile wheels, Structure of auxiliary. E. B. Ambrose. 1,786,389; Dec. 23.
 Flanging and welding machine. P. E. Hunter. 1,763,787; June 17.
 Flanging machine. D. E. Stevens. 1,785,537; Dec. 16.
 Flanging machine, Hat-. C. H. Baumwell. 1,747,615; Feb. 18.
 Flanging sheet metal. J. A. McGregor. 1,749,148; Mar. 4.
 Flare. L. L. Driggs, Jr., and H. B. Faber. 1,782,292; Nov. 18.
 Flare. S. Wiley. 1,780,214; Nov. 4.
 Flash arrester. J. B. Weaver. 1,778,876; Oct. 21.
 Flash device. W. T. Skinner. 1,780,509; Nov. 4.
 Flash light. C. K. Bryce and H. W. Jones. 1,758,918; May 20.
 Flash light. E. L. Connelly. 1,780,004; Oct. 28.
 Flash light. J. Freitag. 1,768,554; July 1.
 Flash light. G. C. Fuller. 1,770,902; July 22.
 Flash-light. W. F. Hendry. 1,778,800; Oct. 21.
 Flash light. C. T. Hime. 1,758,735; May 13.
 Flash light. F. L. Humeston. 1,770,522; July 15.
 Flash light. G. I. Johnson. 1,775,166; Sept. 9.
 Flash light. H. M. Koretzky. 1,769,436; July 1.
 Flash light. C. H. Pajean. 1,763,815; June 17.
 Flash light. J. R. Patron. 1,763,902; June 17.
 Flash light. J. P. Pickett. 1,754,570; Apr. 15.
 Flash light. W. B. Sachs. 1,782,015; Nov. 18.
 Flash light. E. Segesser. 1,743,936; Jan. 14.
 Flash-light attachment. N. Meroussis. 1,753,614; Apr. 8.
 Flash light, Electric hand. J. L. Shannon. 1,762,895; June 10.
 Flash light, Focusing. L. G. Voorhees. 1,751,432; Mar. 18.
 Flash-light switch. H. M. Koretzky. 1,785,868; Dec. 23.
 Flash lights, Wrist attachment for. G. N. Stephani. 1,769,241; July 1.
 Flash signaling device. L. H. McCarron. 1,769,704; July 1.
 Flasher signal. F. C. Volkman and S. C. Vincent. 1,767,104; June 24.
 Flashing. M. J. N. Schneider. 1,782,246; Nov. 18.
 Flashing switch. E. M. Clark. 1,748,329; Feb. 25.
 Flask: See—
 Ingot-mold flask. Molding flask.
 Molder's flask. Slip flask.
 Flask. E. W. Fuerst. Des. 80,567; Feb. 25.
 Flask-handling device. S. D. Moxley. 1,786,218; Dec. 23.
 Flask section for molding cast-iron pipes and the like. J. R. McWane. 1,765,021; June 17.
 Flask, Slide fitting. S. Bona. 1,746,233; Feb. 11.
 Flatiron. C. Endorf. 1,761,202; June 3.
 Flatiron. W. H. Hawkes. 1,782,039; Nov. 18.
 Flatiron and stand, Combination. J. H. Wilson. 1,755,528; Apr. 22.
 Flatiron construction. M. C. Bersted. 1,751,125; Mar. 18.
 Flatiron, Electric. M. C. Bersted. 1,751,124; Mar. 18.
 Flatiron, Electric. W. A. De Hart. 1,745,410; Feb. 4.
 Flatirons, Safety guard for. A. F. McDonnell. 1,747,381; Feb. 18.
 Flavanthrone, Preparation of a reddish derivative of. B. Wylam, J. E. G. Harris, and J. Thomas. 1,779,791; Oct. 28.
 Flax, Method of and apparatus for decorticating, retting, and scutching. N. C. Grigg. 1,780,480; Nov. 4.
 Flax-pulling mechanism. T. W. Hall. 1,751,916; Mar. 25.
 Flesh cutting and searing shears. C. I. Lagier. 1,763,894; June 17.
 Flexible coupling. H. D. Ainsworth. 1,752,138; Mar. 25.
 Flexible coupling. R. G. Anderson. 1,780,105; Oct. 28.
 Flexible coupling. E. E. Brown. 1,769,107; July 1.
 Flexible coupling. G. F. Eckart. 1,783,158; Nov. 25.
 Flexible coupling. R. L. Little. 1,780,712; Nov. 4.
 Flexible coupling. L. M. Persons. 1,752,106; Mar. 25.
 Flexible coupling. J. N. Powers. 1,770,550; July 15.
 Flexible coupling. C. R. Short. 1,760,852; May 27.
 Flexible joint. G. Flintermann. 1,753,985; Apr. 8.
 Flexible joint. G. Flintermann. 1,775,517; Sept. 9.
 Flexible mat. H. W. Hollenbeck. 1,752,846; Apr. 1.
 Flexible pipe. J. H. Phillips. Re17,569; Jan. 21.
 Flexible roller. G. L. Fisk. 1,768,044; June 24.
 Flexible structure. F. Döppenschmitt. 1,784,582; Dec. 9.
 Flexible wheel. J. J. C. Laroze. 1,751,929; Mar. 25.
 Flier for silk-spinning machines. J. E. Lawton. 1,768,204; June 24.
 Flight-attitude indicator. W. C. Morris. 1,760,163; May 27.
 Float. W. E. Rawlings. 1,761,680; June 3.
 Float. W. Robertson, Jr. 1,743,396; Jan. 14.
 Float, Adjustable pontoon. J. Meditz. 1,777,572; Oct. 7.
 Float, Bathing-beach. W. E. Trenholm. 1,761,058; June 3.
 Float construction for hydroplanes. A. Rohrbach. 1,776,336; Sept. 23.
 Float coupling. J. D. Lemex. 1,745,304; Jan. 28.
 Float for fishlines, Electrical. W. L. West. 1,759,381; May 20.
 Float gauge. A. J. Farnsworth. 1,742,439; Jan. 7.
 Float-impregnating process and apparatus. A. Sorensen. 1,761,500; June 3.
 Float-operated gauge, Tandem. P. M. Gelatt. 1,746,828; Feb. 11.
 Float-operated switch. C. A. Faron. 1,764,069; June 17.
 Float-operated switch. A. Penn. 1,783,448; Dec. 2.
 Float roll for gins. T. P. Wallace. 1,775,111; Sept. 9.
 Float, Sea. J. C. Schleicher. 1,770,044; July 8.
 Float switch. W. W. Davin. 1,775,020; Sept. 2.
 Float switch. G. R. Gerlach and H. R. Arenton. 1,759,503; May 20.
 Float switch. N. Gron. 1,768,446; June 24.
 Float, Water. C. E. Fox. Des. 81,780; Aug. 12.
 Floating air liner. S. M. Lindstrand. 1,766,915; June 24.
 Floating-deck tank. A. A. Kramer. 1,767,142; June 24.
 Floating roof tank. S. P. Johnson. 1,758,225; May 13.
 Floating station. R. R. Randall. 1,749,958; Mar. 11.
 Flood gate, Automatic. C. Ramunno. 1,776,371; Sept. 23.
 Flood light. J. L. Brownell. 1,786,515; Dec. 30.
 Flood light. G. and R. Dietz. 1,744,370; Jan. 21.
 Flood light. H. A. and J. Kliegl. 1,742,600-1; Jan. 7.
 Floor, Airplane landing. G. Hadden and C. A. Holden. 1,747,582; Feb. 18.
 Floor and ceiling construction, Combined. H. E. Marks. 1,784,876; Dec. 16.
 Floor and ceiling structure. M. S. Goldsmith. 1,747,295; Feb. 18.
 Floor and laying the same. L. S. Wilbur. 1,754,537; Apr. 15.
 Floor, Armored concrete. W. Klinke. 1,765,797; June 24.
 Floor, Automobile. W. C. Keys and A. J. Brown. 1,776,510; Sept. 23.
 Floor board, Combination. G. E. Grimm. 1,782,817; Nov. 25.
 Floor, Building. G. A. Wright. 1,752,583; Apr. 1.
 Floor cloths, Manufacture of inlaid. E. and J. D. Batten. 1,766,322; June 24.

- Floor construction. H. B. Chamberlain. 1,749,563; Mar. 4.
- Floor construction. H. G. Eisler. 1,787,067; Dec. 30.
- Floor construction. M. S. Goldsmith. 1,747,294; Feb. 18.
- Floor construction. M. S. Goldsmith. 1,767,066; June 24.
- Floor construction. G. W. Harley. 1,745,296; Jan. 28.
- Floor construction. H. E. Marks. 1,787,049; Dec. 30.
- Floor construction, Reinforced. T. H. Tise. 1,776,572; Sept. 23.
- Floor construction, Trickling-filter. J. G. Barbour. 1,770,830; July 15.
- Floor covering, Printing. N. L. Campbell. 1,778,353; Oct. 14.
- Floor covering, Smooth-surface textile. R. G. Jackson. 1,765,589; June 24.
- Floor coverings, Making. R. G. Jackson. 1,765,588; June 24.
- Floor drain and automatic flood protector. J. Oleszko. 1,755,458; Apr. 22.
- Floor, Filter. D. D. Whitacre. 1,773,417; Aug. 19.
- Floor-finishing machine. A. Robertson. 1,752,965; Apr. 1.
- Floor-finishing machine. H. M. Wolgamood. 1,752,133; Mar. 25.
- Floor for brooders, Sanitary. J. A. Hale. 1,777,082; Sept. 30.
- Floor furnace, Miniature. M. F. Shied. 1,758,860; May 13.
- Floor mat. J. W. Ames. 1,779,414; Oct. 28.
- Floor or pavement and producing same. E. W. Burgess. 1,765,652; June 24.
- Floor outlet. E. A. Staples. 1,767,323; June 24.
- Floor polisher. J. F. Carson. 1,759,731; May 20.
- Floor polisher. C. R. Thorburn. 1,776,710; Sept. 23.
- Floor polishers, Waxing attachment for. L. N. Gillis. 1,748,549; Feb. 25.
- Floor-polishing machine. L. N. Gillis. 1,748,548; Feb. 25.
- Floor slab. J. C. Wood, A. Hagener, and K. E. Wagner. 1,749,204; Mar. 4.
- Floor sleeper. J. E. Mackie and A. J. Smith. 1,781,117; Nov. 11.
- Floor strip, Composition. F. A. Kappelmann. 1,748,573; Feb. 25.
- Floor strip, Compound. P. Galassi. 1,783,782; Dec. 2.
- Floor-surfacing machine. G. T. Hills. 1,753,376; Apr. 8.
- Floor-surfacing machine. G. Jacobson and G. F. Ericson. 1,760,832; May 27.
- Floor tile or similar article. P. C. C. Friderichsen. Des. 81,783; Aug. 12.
- Floor waxer. A. J. Snyder. 1,767,322; June 24.
- Floor-waxing device. J. A. Tripp. 1,773,894; Aug. 26.
- Floor-waxing device. J. A. Tripp. 1,774,409; Aug. 26.
- Flooring. C. B. Ulrich. 1,762,249; June 10.
- Flooring and siding, Apparatus for making rubber composition. J. B. Losey and W. R. Stone. 1,775,646; Sept. 16.
- Flooring and the like and method of making. H. C. Avery. 1,754,253; Apr. 15.
- Flooring, Block for. H. C. Nielsen. 1,773,848; Aug. 26.
- Flooring, Composition. N. L. Campbell. 1,766,811; June 24.
- Flooring dividing strip, Terrazzo-. P. Galassi. 1,756,856; Apr. 29.
- Flooring, Expansion and shrinkage take-up in block and plank. B. W. Cadwallader. 1,756,583; Apr. 29.
- Flooring for refrigerator cars. V. A. Wallin. 1,747,340; Feb. 18.
- Flooring, Herringbone. A. Wasleff. 1,787,027; Dec. 30.
- Flooring, Matched hardwood. P. O. Moratz. 1,764,331; June 17.
- Flooring, Partition strip for composition. W. G. Kelleweay. 1,746,429; Feb. 11.
- Flooring, Partition strip for composition. W. G. Kelleweay. 1,775,594; Sept. 9.
- Flooring, Wood. F. E. Bruce. 1,778,352; Oct. 14.
- Flooring, Wood-block. W. Fetz. 1,778,068-9; Oct. 14.
- Flooring strip. P. Galassi. 1,743,814; Jan. 14.
- Floorings, Producing antislip terrazzo. P. Galassi. 1,742,855; Jan. 7.
- Floors, Dividing strip for. P. Galassi. 1,744,539; Jan. 21.
- Floors of the terrazzo type, Strip for. P. Galassi. 1,745,989; Feb. 4.
- Floors, Rubber mounting for glass. A. F. Masury. 1,748,487; Feb. 25.
- Floral case. J. K. Bond. 1,753,594; Apr. 8.
- Floral stand. J. D. Humphrey. 1,747,369; Feb. 18.
- Flotant material, Apparatus for treating. J. J. McKeon. 1,743,788; Jan. 14.
- Flotation apparatus. W. A. Butchart. 1,748,107; Feb. 25.
- Flotation apparatus. J. P. Ruth, jr. 1,746,682; Feb. 11.
- Flotation apparatus. J. P. Ruth, jr. 1,760,916; June 3.
- Flotation attachment for airplanes. C. B. Hull. 1,769,180; July 1.
- Flotation bag. R. Marcks. 1,771,730; July 29.
- Flotation concentration. R. E. Phelan and S. P. Lowe. 1,771,549; July 29.
- Flotation machine. A. L. Howard. 1,752,434; Apr. 1.
- Flotation machine, Pneumatic. R. Lord. 1,743,926; Jan. 14.
- Flotation material and making same. S. P. Miller. 1,785,742; Dec. 23.
- Flotation process. J. H. Lane. 1,743,463; Jan. 14.
- Flotation process. G. Lutz. 1,765,308; June 17.
- Flour agitator for exposing flour to the action of a bleaching gas. J. J. Mulvey. 1,758,713; May 13.
- Flour and making same, Nonfibrous cellulose. E. R. Darling. 1,751,267; Mar. 18.
- Flour and the like, Whole-grain. J. Schneible. 1,744,581; Jan. 21.
- Flour, Process of and apparatus for milling. L. E. Smith. 1,784,762; Dec. 9.
- Flow control, Apparatus for. L. de Florez. 1,768,353; June 24.
- Flow-controlling device. C. S. Brown. 1,742,846; Jan. 7.
- Flow indicator. W. H. Marsh. 1,756,491; Apr. 29.
- Flow meter. W. Melas. 1,753,469; Apr. 8.
- Flow meter. C. B. Sawyer. 1,766,148-9; June 24.
- Flow meter, Electrically-operated. E. H. Freeman. 1,768,553; July 1.
- Flow stabilizer. L. de Florez. 1,778,450; Oct. 14.
- Flower and making same, Artificial. J. B. Crockett. 1,748,636; Feb. 25.
- Flower and making same, Artificial. J. B. Crockett. 1,754,670; Apr. 15.
- Flower, Artificial. W. E. Compton. 1,749,526; Mar. 4.
- Flower, Artificial. M. L. Mesa. 1,757,943; May 6.
- Flowerpot. S. Freeburg. 1,778,150; Oct. 14.
- Flowerpot. G. R. Willis. 1,773,020; Aug. 12.
- Flower pot or tub. L. Russell. 1,776,375; Sept. 23.
- Flowerpot stand. J. Halberstadter. 1,786,994; Dec. 30.
- Flower stand. J. F. Rush. 1,769,190; July 1.
- Flower stand. C. Tuteur. Des. 81,355; June 10.
- Flower table. A. E. Barton. 1,764,543; June 17.
- Flowers, foliage, and the like, Preserving. H. J. Valentine. 1,779,299; Oct. 21.
- Flue-blowing apparatus. B. W. Kadel. 1,779,600; Oct. 28.
- Flue bushing. J. C. Tatarek. 1,753,098; Apr. 1.
- Flue cap. J. A. McCarthy. Des. 80,802; Mar. 25.
- Flue cap. J. A. McCarthy. Des. 81,936; Sept. 2.
- Flue cleaner. D. M. Miller. 1,780,435; Nov. 4.
- Flue, Coke-oven heating. C. E. Underwood and J. A. Beatty. 1,751,775; Mar. 25.
- Flue connection for stoves. A. Stockstrom. 1,774,951; Sept. 2.
- Flue construction. C. M. Dibble. 1,751,798; Mar. 25.
- Flue deflector for gas stoves. P. J. Hentschel. Des. 81,566; July 8.
- Flue deflector for gas stoves. P. A. Hentschel. Des. 81,645; July 22.
- Flue for pilot lights for gas ranges. F. E. Smith. 1,748,194; Feb. 25.
- Flue, Pavement-heater. G. A. Coats. 1,770,024; July 8.
- Flue stopper. H. Glieden. 1,771,956; July 29.
- Flue structure for regenerative stoves. A. C. Nelson. 1,771,306; July 22.
- Flue thimble. T. E. Tynes. 1,745,198; Jan. 28.
- Fluid air cleaner. J. L. Green. 1,781,638; Nov. 11.
- Fluid-applying apparatus. W. J. De Witt. 1,743,884; Jan. 14.
- Fluid-applying machine. E. Erickson. 1,757,180; May 6.
- Fluid brake. L. H. Miles. 1,770,796; July 15.
- Fluid-compressing means. J. Seagren. 1,764,753; June 17.
- Fluid-condensing system. G. L. Kothny. 1,757,723; May 6.
- Fluid conductor. A. A. Hammer. 1,777,918; Oct. 7.
- Fluid control. L. Bruehl. 1,764,193; June 17.
- Fluid control of power plants. C. R. Short. 1,768,530; June 24.
- Fluid-control system. O. V. Kruse. 1,750,805; Mar. 18.
- Fluid-control system, Automatic. M. Alpern. 1,745,238; Jan. 28.
- Fluid-controlled mechanism. J. Robson. 1,760,915; June 3.
- Fluid controller. C. A. Brown. 1,786,894; Dec. 30.
- Fluid-controlling apparatus. H. Sieben. 1,746,801; Feb. 11.
- Fluid-current meter. R. Aernout, Baron van Lynden. 1,747,536; Feb. 18.
- Fluid-displacement apparatus. T. M. Gunn. 1,780,784; Nov. 4.
- Fluid-distributing apparatus. W. Howell and G. Sherburne. 1,753,240; Apr. 8.
- Fluid electrical contact level. L. Sichel. 1,774,337; Aug. 26.
- Fluid-elevating apparatus. L. H. Miles. 1,749,151; Mar. 4.
- Fluid elevator. W. H. Hughes. 1,757,460; May 6.
- Fluid elevator. O. Morgan and H. W. Strait. 1,757,381; May 6.
- Fluid engine, Motive-. J. T. Marshall. 1,760,952; June 3.
- Fluid extractor, Vacuum. L. W. Browne. 1,751,619; Mar. 25.
- Fluid flow, Apparatus for controlling a. L. R. Culvert. 1,762,156; June 10.
- Fluid-fuel-fired boiler. B. Greenfield. 1,781,174; Nov. 11.
- Fluid generator, Multiple. S. A. Wier. 1,756,322; Apr. 29.
- Fluid generator, Pressure-. J. T. Daicher. 1,756,423; Apr. 29.
- Fluid-handling apparatus. R. H. Owens. 1,785,842; Dec. 23.
- Fluid heater. I. Harter. 1,745,485; Feb. 4.
- Fluid heater. G. J. Heimberger. 1,745,093; Jan. 28.
- Fluid heater. D. S. Jacobus. 1,765,675; June 24.
- Fluid heater. D. S. Jacobus. 1,774,142; Aug. 26.
- Fluid heater. W. A. Jones. 1,780,301; Nov. 4.
- Fluid heater. R. Sinton, F. W. Holzhauser, and R. G. Lutz. 1,776,984; Sept. 30.

- Fluid-heating apparatus. R. D. Sanders. 1,766,802; June 24.
- Fluid in conduits, Apparatus for, signaling condition of. E. Brillie. 1,782,838; Nov. 25.
- Fluid in sizing vats and the like, Regulating the level of. J. J. Queen. 1,749,111; Mar. 4.
- Fluid-level reducer for oil wells. H. J. Smith. 1,781,824; Nov. 18.
- Fluid lift, Automatic. A. L. Griffith. 1,770,981; July 22.
- Fluid lifter. M. E. Weldon. 1,747,277; Feb. 18.
- Fluid meter. C. H. Bergquist and R. Battle. 1,781,744; Nov. 18.
- Fluid meter. A. J. Granberg. 1,767,210; June 24.
- Fluid meter. B. Greenfield. 1,761,295; June 3.
- Fluid meter. J. W. Ledoux. 1,757,968; May 13.
- Fluid meter. R. J. Lyman. 1,781,466; Nov. 11.
- Fluid-mixing device. P. Janes. 1,766,643; June 24.
- Fluid-operated apparatus for lifting automobile wheels. F. B. Di Neuberg. 1,780,972; Nov. 11.
- Fluid-operated brake. V. Bendix. 1,757,071; May 6.
- Fluid-pressure apparatus. W. G. Noack. 1,766,678; June 24.
- Fluid-pressure brake. W. E. Dean. 1,742,379; Jan. 7.
- Fluid-pressure brake. B. A. Linderman. 1,786,438; Dec. 30.
- Fluid-pressure brake. J. C. McCune. 1,776,290; Sept. 23.
- Fluid-pressure brake. F. C. Nenzel. 1,764,741; June 17.
- Fluid-pressure brake. A. D. Pentz. 1,780,656; Nov. 4.
- Fluid-pressure brake. C. D. Stewart. 1,765,634; June 24.
- Fluid-pressure motor. A. J. Abels. 1,747,921; Feb. 18.
- Fluid-pressure motor. O. Kelly. 1,767,214; June 24.
- Fluid-pressure motor. G. M. Nell. 1,769,034; July 1.
- Fluid pressure-operated device. B. A. Linderman. 1,780,199; Nov. 4.
- Fluid-pressure regulation, Apparatus for. F. H. Viets. 1,752,268; Mar. 25.
- Fluid-pressure regulation, Method and apparatus for. W. A. Schmidt. 1,773,279; Aug. 19.
- Fluid-pressure regulator. J. C. Groble. Re17,738; July 22.
- Fluid-pressure regulator. F. A. Wettstein. 1,769,612; July 1.
- Fluid-pressure regulator, Full automatic demand. J. C. Groble. 1,745,256; Jan. 28.
- Fluid prime mover, Elastic-. N. Hilgers. 1,779,315; Oct. 21.
- Fluid pumping. L. F. Whitney. 1,756,802; Apr. 29.
- Fluid sealing means. J. A. Olson. 1,754,764; Apr. 15.
- Fluid separator. R. W. Andrews. 1,754,479; Apr. 15.
- Fluid separator. R. W. Andrews. 1,761,168-70; June 3.
- Fluid separator. R. W. Andrews. 1,772,023; Aug. 5.
- Fluid separator. H. E. Boyrie. 1,754,480; Apr. 15.
- Fluid separator. G. D. Bradshaw. 1,772,037; Aug. 5.
- Fluid separator. G. D. Bradshaw. 1,785,931; Dec. 23.
- Fluid separator. G. D. Bradshaw and R. W. Andrews. 1,761,177; June 3.
- Fluid separator. G. M. Kirkpatrick. 1,744,314; Jan. 21.
- Fluid-supply apparatus. T. L. Hiles. 1,772,997; Aug. 12.
- Fluid switch. E. J. Müller. 1,774,658; Sept. 2.
- Fluid system. G. G. Earl. 1,744,872; Jan. 28.
- Fluid, System and means of elevating. J. H. Slocum. 1,759,467; May 20.
- Fluid-testing device and apparatus. W. F. Osborne. 1,746,791; Feb. 11.
- Fluid-treating apparatus. E. G. Duden. 1,784,892; Dec. 16.
- Fluid-treating apparatus. J. A. MacKenzie. 1,782,735; Nov. 25.
- Fluid-treating apparatus. V. L. Tannehill. 1,775,412; Sept. 9.
- Fluid unit, Rotary. R. J. S. Pigott. 1,742,215; Jan. 7.
- Fluidizer. H. G. Lykken. 1,768,621; July 1.
- Fluidizer and method of fluidizing. H. G. Lykken. 1,756,254; Apr. 29.
- Fluids and apparatus used therefor, Heating. C. W. Stratford. 1,779,199; Oct. 21.
- Fluids and semifluids, Method of and mechanism for agitating. R. E. Jones. 1,778,600; Oct. 14.
- Fluids, Apparatus for automatically determining and recording the specific gravities of. H. A. Hurley, H. J. Jones, and H. Jimenez. 1,764,103; June 17.
- Fluids, Apparatus for heating. J. H. Hume. 1,775,103; Sept. 9.
- Fluids, Apparatus for mixing gaseous. C. Prache. 1,761,799; June 3.
- Fluids, Apparatus for proportioning and controlling the rates of flow of. U. O. Hutton. 1,767,588; June 24.
- Fluids, Device for measuring the temperature of hot. R. Hase. 1,761,392; June 3.
- Fluids, Device for pumping. J. R. Muirhead and J. W. Mills. 1,783,095; Nov. 25.
- Fluids, Device for regulating flow of. F. Hasemann. 1,756,824; Apr. 29.
- Fluids, Device for regulating flow of. F. Sieber. 1,766,554; June 24.
- Fluids, Filtering. A. H. G. Fokker. 1,782,531; Nov. 25.
- Fluids, Method of and apparatus for ascertaining the rate of flow of. C. S. Pinkerton and W. H. Greenwood. 1,769,358; July 1.
- Fluids, Method of and apparatus for controlling and also proportioning flow of combustible. R. H. Kruse. 1,769,373; July 1.
- Fluids, Method of and apparatus for measuring the flow of. C. S. Pinkerton. 1,767,613; June 24.
- Fluids, Nebulization of. C. L. Riley. 1,759,629; May 20.
- Fluids, Nebulization of. C. L. Riley. 1,779,336; Oct. 21.
- Fluids under pressure, Release device for. D. Mapes. 1,751,705; Mar. 25.
- Fluids under pressure, Release device for. D. Mapes. 1,781,027; Nov. 11.
- Fluids with solid substances, Treatment of. T. T. Gray. 1,753,859; Apr. 8.
- Fluids with solids, Method and apparatus for treating. I. H. Levin. 1,785,273; Dec. 16.
- Fluorene, Oxidation of. A. O. Jaeger. 1,764,023; June 17.
- Fluorescent tube. M. Schmierer. Re17,712; June 24.
- Fluorspar from ores thereof, Recovery of. J. C. Williams and O. W. Greeman. 1,785,992; Dec. 23.
- Flush gate and drip valve. E. Manning. 1,776,363; Sept. 23.
- Flush tank. J. B. Paul. 1,750,427; Mar. 11.
- Flush tank. W. H. Schulte. 1,759,492; May 20.
- Flush tank. S. H. Smith. 1,774,768; Sept. 2.
- Flushing and cleaning device. A. L. Wertz. 1,756,410; Apr. 29.
- Flushing apparatus. F. Opperman. 1,753,997; Apr. 8.
- Flushing apparatus. F. Opperman. 1,778,867; Oct. 21.
- Flushing apparatus for water-closets. R. A. Brooks. 1,768,562; July 1.
- Flushing device, Sewer-. L. F. Katona. 1,756,596; Apr. 29.
- Flushing for water-closets. P. E. Georgiou. 1,751,145; Mar. 18.
- Flushing tank, Revolving. M. Egnard. 1,754,990; Apr. 15.
- Fluting and forming machine. J. Jessen and J. P. Marrin. 1,775,432; Sept. 9.
- Flux. J. McDonough and L. Normann. 1,741,784; Jan. 28.
- Flux. W. B. Miller and A. R. Lytle. 1,748,785; Feb. 25.
- Flux for soft soldering. H. S. McQuaid. 1,785,135; Dec. 16.
- Flux for use in soldering. H. P. Corson. 1,785,180; Dec. 16.
- Flux, Soft soldering. H. P. Corson and E. S. Ridler. 1,785,181; Dec. 16.
- Flux, Soldering. H. J. Barrett. 1,785,173; Dec. 16.
- Flux, Soldering. H. B. Dykstra. 1,785,115; Dec. 16.
- Flux, Soldering. F. E. Harris. 1,757,118; May 6.
- Flux, Zinc-chloride-base. G. Lutz. 1,785,131; Dec. 16.
- Flux, Zinc-chloride-base. E. A. Taylor. 1,785,155; Dec. 16.
- Fly and tackle case, Compact. W. A. Pruett. 1,749,227; Mar. 4.
- Flycatcher. R. J. Harris. 1,744,762; Jan. 28.
- Fly exit. F. L. Hickel. 1,755,542; Apr. 22.
- Fly exit. H. G. Lewis. 1,757,868; May 6.
- Fly-exit device. H. G. Lewis. 1,748,181; Feb. 25.
- Fly screen. A. C. and H. E. Schneider. 1,743,935; Jan. 14.
- Fly screen, Window. A. Brière. 1,756,176; Apr. 29.
- Flyer for spinning and like machines. P. Daugert, H. Frey, and J. J. Dunleavy. 1,756,899; Apr. 29.
- Flying apparatus. E. M. Laurent. 1,765,924; June 24.
- Flying apparatus. C. F. McKinney. 1,773,921; Aug. 26.
- Flying boats, Stub wing of. C. Dornier. 1,785,892; Dec. 23.
- Flying instructions, Apparatus for home. A. J. Bertram. 1,773,936; Aug. 26.
- Flying machine. S. C. Anker-Holth. 1,781,910; Nov. 18.
- Flying machine. P. McG. Bruce. 1,758,556; May 13.
- Flying machine. R. H. Chattin. 1,776,994; Sept. 30.
- Flying machine. F. I. de Christo. 1,758,031; May 13.
- Flying machine. C. Dornier. 1,745,749; Feb. 4.
- Flying machine. J. Dubina. 1,746,343; Feb. 11.
- Flying machine. T. M. Finley. 1,750,097; Mar. 11.
- Flying machine. E. Francesconi and V. L. Bianchi. 1,762,657; June 10.
- Flying machine. J. V. Janin. 1,747,585; Feb. 18.
- Flying machine. J. de Korwin-Sokolowski. 1,766,330; June 24.
- Flying machine. P. W. Lacin. 1,761,481; June 3.
- Flying machine. S. Lake. 1,772,049; Aug. 5.
- Flying machine. G. Leiberger. 1,775,861; Sept. 16.
- Flying machine. D. P. McLaughlin. 1,783,024; Nov. 25.
- Flying machine. G. F. Myers. 1,768,708; July 1.
- Flying machine. C. Orsett. 1,763,409; June 10.
- Flying machine. W. Roescher. 1,774,404; Aug. 26.
- Flying machine. W. Rieseler and W. Kreiser. 1,777,678; Oct. 7.
- Flying machine. J. B. Slinn. 1,758,178; May 13.
- Flying machine. J. D. Van Vliet. 1,760,386; May 27.
- Flying machine, Endurance high-altitude. W. H. Evers and R. Diehl. 1,779,162; Oct. 21.
- Flying machine having two or more supporting planes. J. A. Hallander. 1,743,887; Jan. 14.
- Flying machine, High-altitude. R. Diehl. 1,779,160; Oct. 21.
- Flying machines, Front wing for. H. Focke. 1,766,893; June 24.
- Flying machines, Starting of large. C. Dornier. 1,783,227; Dec. 2.
- Flytrap. E. V. Lillian. 1,756,648; Apr. 29.
- Flytrap. G. Palmos. 1,749,717; Mar. 4.
- Flywheel. J. P. Daukus. 1,753,365; Apr. 8.
- Flywheel and self-oiling wrist pin. A. R. Preece. 1,756,661; Apr. 29.
- Foam, Apparatus for producing. J. A. Rice. 1,753,429; Apr. 8.
- Foam column. J. Verner. 1,776,206; Sept. 16.

- Foam for fire-extinguishing purposes, Apparatus for producing. H. Burmeister. 1,749,411; Mar. 4.
- Foam for fire-extinguishing purposes, Apparatus for producing. H. Burmeister. 1,761,179; June 3.
- Foam for fire-extinguishing purposes, Device for distributing. H. Burmeister. 1,780,168; Nov. 4.
- Foam-generating tank. W. R. Pirsch. 1,748,992; Mar. 4.
- Foam generator. W. Palmer. 1,755,610; Apr. 22.
- Foam-producing apparatus, Portable. J. A. McCracken. 1,781,293; Nov. 11.
- Foam-producing method and apparatus, Continuous. P. W. Prutzman. 1,781,298; Nov. 11.
- Foam-producing process and material for acid metal-cleaning baths. J. H. Gravell. 1,757,959; May 13.
- Foam production. H. Heuser. 1,754,825; Apr. 15.
- Foam solutions, Continuous production of. P. W. Prutzman. 1,781,299; Nov. 11.
- Foam solutions, Method of and apparatus for production of. J. A. McCracken. 1,781,294; Nov. 11.
- Focus water level. C. von Hofe. 1,760,727; May 27.
- Focusing device. C. Sklarek. 1,756,140; Apr. 29.
- Focusing device. C. Sklarek. 1,779,953; Oct. 28.
- Fodder cutter. S. U. Hamaker. 1,750,266; Mar. 11.
- Fog, frost, and snow eliminator. V. V. Herman. 1,768,404; June 24.
- Foil cutter, Metallic. W. S. Rearick. 1,747,264; Feb. 18.
- Foils, films, ribbons, and the like from viscose and similar cellulose solutions, Manufacturing. E. Czapke and R. Weingand. 1,745,247; Jan. 28.
- Foldable box. A. E. Brown. 1,767,733-4; June 24.
- Foldable box. L. St. C. Cooper. 1,755,470; Apr. 22.
- Foldable box. J. C. Heim. 1,755,690; Apr. 22.
- Foldable box. R. C. C. Nourse and H. S. Scholes. 1,778,462; Oct. 14.
- Foldable chair. N. N. Brown. 1,767,736; June 24.
- Foldable chair. H. E. Rice. 1,784,390; Dec. 9.
- Foldable frame. R. G. Wedemann. 1,744,253; Jan. 21.
- Foldable screen. H. C. Ford. 1,751,807; Mar. 25.
- Folder. E. M. Buckland. 1,744,948; Jan. 28.
- Folder. R. H. Charlton. 1,743,191; Jan. 14.
- Folder. L. Gabel. 1,771,328; July 22.
- Folder, Advertising. K. G. McKiernan. 1,775,684; Sept. 16.
- Folder, Display. A. D. Weinthrop. 1,774,215; Aug. 26.
- Folder, Folding-box cardboard or paper. E. A. Lee. 1,780,136; Oct. 28.
- Folder for accounting systems. C. A. Jettinger. 1,742,993; Jan. 7.
- Folder, Match. P. T. Denmead. 1,763,763; June 17.
- Folder or container. A. J. Tanner. 1,755,375; Apr. 22.
- Folder, Printed. W. H. Jones. 1,787,276; Dec. 30.
- Folder, Record. T. H. Banks. 1,743,305; Jan. 14.
- Folder unit and former support. H. C. Jordhoy. 1,770,350; July 8.
- Folding and measuring machine, Cloth. B. J. Shaw and J. M. Sempie. 1,743,491; Jan. 14.
- Folding and packing strip-shaped material, Machine for. J. Hardi. 1,747,630; Feb. 18.
- Folding bookrack. N. S. Amstutz. 1,751,677; Mar. 25.
- Folding box. S. Bachmann. 1,755,722; Apr. 22.
- Folding box. E. C. Gubler. 1,775,618; Sept. 9.
- Folding box. G. E. Scruby and G. E. Hartman. 1,776,134; Sept. 16.
- Folding chair. E. de Bruijn. 1,763,455; June 10.
- Folding chair. F. B. Harman and W. Anderson. 1,767,211; June 24.
- Folding chair. W. H. Kendall. 1,749,436; Mar. 4.
- Folding chair. C. J. Marson. 1,752,306; Apr. 1.
- Folding chair. M. Marwell. 1,746,952; Feb. 11.
- Folding chair. T. G. Melish. 1,765,845; June 24.
- Folding chair. W. C. Rastetter. 1,755,896; Apr. 22.
- Folding chair. G. D. Schermerhorn. 1,760,008; May 27.
- Folding chair. G. D. Schermerhorn. 1,765,942; June 24.
- Folding chair. R. B. Smith. 1,747,329; Feb. 18.
- Folding chair. B. M. Stannard. 1,746,684; Feb. 11.
- Folding device. H. W. Orndoff. 1,754,038; Apr. 8.
- Folding gate. L. G. Bradfield. 1,750,989; Mar. 18.
- Folding ironing table. C. Danielson. 1,786,008; Dec. 23.
- Folding machine. J. W. Anthony. 1,777,155; Sept. 30.
- Folding machine. S. J. Campbell. 1,752,415; Apr. 1.
- Folding machine. C. Christiansen. 1,743,192; Jan. 14.
- Folding machine. C. E. Christophel. 1,760,819; May 27.
- Folding machine. W. L. Dixon. 1,753,648; Apr. 8.
- Folding machine. G. L. Fulk. 1,759,191; May 20.
- Folding machine. P. R. Glass and J. E. McIntire. 1,776,390; Sept. 23.
- Folding machine. W. F. Mayer. 1,766,792; June 24.
- Folding machine. J. E. McIntire. 1,776,389; Sept. 23.
- Folding machine. F. E. Munschauer. 1,753,212; Apr. 8.
- Folding machine. S. J. T. Price. 1,779,105; Oct. 21.
- Folding machine. A. R. Ridderstrom. 1,743,286; Jan. 14.
- Folding machine. A. R. Ridderstrom. 1,751,884; Mar. 25.
- Folding machine. E. B. Roby. 1,758,127; May 13.
- Folding machine. G. Spiess. 1,781,768; Nov. 18.
- Folding machine and method. L. J. Lambert. 1,761,017; June 3.
- Folding machine, Paper or like sheet. E. E. Palmer. 1,786,773; Dec. 30.
- Folding machines, Delivery-belt-supporting means for. H. A. W. Wood. 1,778,781; Oct. 21.
- Folding mechanism. W. Evensen. 1,752,426; Apr. 1.
- Folding mechanism. W. Evensen. 1,777,814; Sept. 23.
- Folding mechanism. R. C. Seymour. 1,743,490; Jan. 14.
- Folding or interfolding machine. P. J. Christman. 1,761,517; June 3.
- Folding or other device. D. J. Scott. 1,784,757; Dec. 9.
- Folding seat. A. A. Chaney. 1,742,806; Jan. 7.
- Folding seat. E. G. Covell. 1,754,501; Apr. 15.
- Folding seat. B. L. Laursen. 1,761,673; June 3.
- Folding seat and bed frame. M. Fox. 1,747,150; Feb. 11.
- Folding seat, Removable. J. F. Holliday. 1,756,687; Apr. 29.
- Folding signal. F. B. Stobber. 1,769,473; July 1.
- Folding table. W. S. Bellows. 1,747,691-2; Feb. 18.
- Folding table. C. A. Buflington. 1,776,346; Sept. 23.
- Folding table. J. B. Flocchini. 1,748,413; Feb. 25.
- Folding table. H. L. Gale. 1,774,364; Aug. 26.
- Folding table. J. E. Kalgren. 1,774,557; Sept. 2.
- Folding table. J. E. Kalgren. 1,780,394; Nov. 4.
- Folding table. J. Kovats. 1,752,304; Apr. 1.
- Folding table. J. J. Lafillée. 1,785,450; Dec. 16.
- Folding table. C. H. McCaslin. 1,782,623; Nov. 25.
- Folding table. W. C. Rastetter. 1,763,671; June 17.
- Folding table. J. Sauer. 1,778,124; Oct. 14.
- Folding table. C. J. Schmitt. 1,758,856; May 13.
- Folding table. J. Silverman. 1,757,260; May 6.
- Folding table. T. S. Walker. 1,784,507; Dec. 9.
- Folding table, Portable. T. I. Wallis. 1,781,562; Nov. 11.
- Follower block. C. Bergmann. 1,780,861; Nov. 4.
- Fondant and the like, Method and apparatus for preparing cream. R. Head. 1,758,602; May 13.
- Font of type. M. Lipman. Des. 81,250; May 27.
- Font of type. J. W. Zimmerman. Des. 80,819; Mar. 25.
- Font of type. J. W. Zimmerman. Des. 80,989; Apr. 15.
- Food and method of making, Article of. S. F. Davidson. 1,778,485; Oct. 14.
- Food and the products thereof, Producing liquid. C. Bauer. 1,766,590; June 24.
- Food, Animal. W. G. Hansen. 1,777,795; Oct. 7.
- Food, Animal. H. M. Weber. 1,776,055; Sept. 16.
- Food chopper. M. A. Rollman. 1,776,373; Sept. 23.
- Food cutter. A. Williams and J. Bontya. 1,746,176; Feb. 4.
- Food for invalids or infants. C. Nielsen. 1,767,185; June 24.
- Food-handling apparatus. H. L. Johnston and D. A. Meeker. 1,767,000; June 24.
- Food-handling apparatus. H. L. Johnston and D. A. Meeker. 1,767,002; June 24.
- Food-handling apparatus, Waste-. H. L. Johnston. 1,767,001; June 24.
- Food-handling machine. H. L. Johnston. 1,766,999; June 24.
- Food materials, Apparatus for treating. J. Schmidt. 1,758,064; May 13.
- Food materials, Method and apparatus for treating. E. H. McKay. 1,766,445; June 24.
- Food, Method for cooking. A. E. Triplett. 1,768,172; June 24.
- Food package and making the same, Ornamental. A. Grande. 1,782,232; Nov. 18.
- Food preserver. G. M. McGinnis. 1,761,483; June 3.
- Food product. D. J. Block. 1,773,296; Aug. 19.
- Food product. E. B. Brown, C. N. Frey, and H. H. Harkins. 1,755,864; Apr. 22.
- Food product. P. Firmin. 1,769,215; July 1.
- Food product, Animal. C. Birdseye. 1,773,080; Aug. 12.
- Food product and making same. H. L. Borg. 1,768,230; June 24.
- Food product and making same. O. Leopold. 1,767,083; June 24.
- Food product and method of preparing. F. W. Shirriff. 1,758,089; May 13.
- Food products and marketing the same. C. H. Vogt. 1,786,372; Dec. 23.
- Food products and the like, Apparatus for smoking, curing, and drying. A. P. D. Belanger. 1,749,559; Mar. 4.
- Food products, Making. H. A. Erysin and K. B. Chickering. 1,782,960; Nov. 25.
- Food products, Preparing. C. Birdseye. 1,773,079; Aug. 12.
- Food service for hospitals and the like. E. D. Densmore and G. Le Clear. 1,745,606; Feb. 4.
- Food, Sterilizing. O. H. Hansen. 1,756,549-50; Apr. 29.
- Foodstuffs, Apparatus for treating. A. R. DeLong. 1,746,384; Feb. 11.
- Foodstuffs, Apparatus for treating. T. F. Rataiczak and M. K. Akers. 1,766,942; June 24.
- Foodstuffs, Apparatus for treatment of. F. C. Beardslee. 1,759,680; May 20.
- Foodstuffs, Ornamenting. A. Martin. 1,765,086; June 17.
- Foodstuffs, Process and system of apparatus for desiccating. A. W. Koon. 1,759,702; May 20.
- Food-unit-filling machine, Automatic. H. A. Beilgard. 1,782,596; Nov. 25.
- Foot appliance for swimmers. N. A. Chastenay. 1,760,476; May 27.
- Football helmet. A. Dickman. Des. 80,880; Apr. 8.
- Football play indicator. H. L. Allen. 1,769,483; July 1.
- Foot-cleaning mat. W. J. Hoogeweg and E. Van Oven. 1,743,139; Jan. 14.
- Foot guard. C. P. Ager, A. L. Frost, and A. P. Demmer. 1,776,532; Sept. 23.
- Foot guard. J. Bradford and C. B. Peoples. 1,780,331; Nov. 4.
- Footlight structure. F. L. Decker. 1,763,956; June 17.
- Footlights. J. H. Kliegl. 1,742,599; Jan. 7.

- Foot protection, Device for. F. A. Gerard. 1,742,763; Jan. 7.
- Foot protector for shoes, Removable. J. W. Noble, jr. 1,775,439; Sept. 9.
- Foot rest. H. V. Henderson. Des. 81,333; June 10.
- Foot rest for stopping drills. G. G. Marsh. 1,750,415; Mar. 11.
- Foot rest for toilet seats, Folding. G. H. Van Arnem. 1,761,602; June 3.
- Foot-rest joint. N. D. Vlavianos. 1,748,005; Feb. 18.
- Foot stock. M. I. Mathewson. 1,744,780; Jan. 28.
- Foot warmer and stool, Combination. E. C. Baughman. Des. 81,955; Sept. 9.
- Footwear. J. Benda. 1,756,169; Apr. 29.
- Footwear. A. Blain. 1,751,069; Mar. 18.
- Footwear. W. J. Jones. 1,782,620; Nov. 25.
- Footwear. J. Meltzer. 1,769,449; July 1.
- Footwear. N. Williams. 1,745,654; Feb. 4.
- Footwear. F. F. von Wilmsowsky. 1,784,035; Dec. 9.
- Footwear and making the same. M. Lippert. 1,749,254; Mar. 4.
- Footwear, Apparatus for soling and pressing. C. M. Richardson and V. H. Bodle. 1,780,769; Nov. 4.
- Footwear article and method of making, Rubber. H. A. Raymond. 1,756,474; Apr. 29.
- Footwear, Device for fitting. C. Pfersdorf. Re17,600; Feb. 18.
- Footwear, Forming back heel seams for. B. H. Herbst. 1,759,643; May 20.
- Footwear, Lace fastening means for. J. D. MacDonald. 1,772,673; Aug. 12.
- Footwear, Making. T. Kurata. 1,742,866; Jan. 7.
- Force-feed lubricator. W. H. Stainbrook. 1,748,428; Feb. 25.
- Footwear, Manufacture of. E. J. Dempsey. 1,786,983-4; Dec. 30.
- Footwear, Rubber. J. W. Clifford. 1,771,746; July 29.
- Forced-feed lubricator. C. H. Leufstadius. 1,773,312; Aug. 19.
- Forceps, Dental. G. P. Roberts. 1,762,888; June 10.
- Forceps, Obstetrical. R. D. Roderick. 1,760,720; May 27.
- Forging furnace, Rotary. R. M. Hortvet. 1,752,433; Apr. 1.
- Forging machine. G. F. Mills. 1,760,311; May 27.
- Forging machine. W. H. Wineman. 1,769,812; July 1.
- Forging machine, Automatic. L. W. Greve. 1,745,214; Jan. 28.
- Forging mechanism. G. T. Cousins. 1,747,888; Feb. 18.
- Fork: See—
- Batter fork. Grubbing fork.
 - Clam-digger fork. Meat fork.
 - Drive vibratory fork. Serving fork.
 - Dumping fork. Tuning fork.
 - Garden fork.
- Fork. B. H. Smith. 1,769,471; July 1.
- Fork and like implement, Collapsible. B. H. Smith. 1,768,425; June 24.
- Form. D. H. Hayden. 1,771,119; July 22.
- Form, Adjustable stocking. W. P. Sigler. 1,748,658; Feb. 25.
- Form and mold. J. N. Rauber. 1,756,473; Apr. 29.
- Form and mold for radius curb sections. J. N. Rauber. 1,745,712; Feb. 4.
- Form and supporting pedestal therefor, Adjustable. C. G. Abernathy. 1,772,793; Aug. 12.
- Form clamp. C. E. Hudgin. 1,782,897; Nov. 25.
- Form clamp. H. H. Lampert. 1,747,779; Feb. 18.
- Form clamp. H. H. Lampert. 1,756,691; Apr. 29.
- Form clamp, Adjustable. C. H. Weems and A. Milton. 1,773,558; Aug. 19.
- Form clamp and tightener, Concrete. C. W. Newton. 1,772,678; Aug. 12.
- Form, Collapsible. J. N. Heltzel. 1,768,838; July 1.
- Form, Collapsible tire-building. J. E. Palmer. 1,749,922; Mar. 11.
- Form, Expansible toe. W. J. De Witt. 1,784,660; Dec. 9.
- Form, Drying. W. W. Sibson. 1,747,990; Feb. 18.
- Form for box-covering machines, Adjustable. J. F. Kachline. 1,764,632; June 17.
- Form for concrete walls, Adjustable metallic. E. B. Selway. 1,761,055; June 3.
- Form for concrete work, Structural. J. H. Sullivan. 1,747,036; Feb. 11.
- Form for manufacturing rubber articles. E. Hazell. 1,779,813; Oct. 28.
- Form for molding concrete and cement. E. F. Harper. 1,787,107; Dec. 30.
- Form for neckties. T. Kerkhoff. 1,746,534; Feb. 11.
- Form, Necktie. G. E. Figg. 1,777,790; Oct. 7.
- Form-rolling machine. F. L. Snyder. 1,782,483; Nov. 25.
- Form, Self-addressed. E. H. Gardner. 1,742,856; Jan. 7.
- Form, Shoe. W. J. De Witt. 1,784,661-2; Dec. 9.
- Form spacer, Electric-weld. W. A. Ferris. 1,756,187; Apr. 29.
- Form tie for concrete structures. A. J. Hodapp. 1,769,292; July 1.
- Formaldehyde bisulphite amino-aryl-antimony compounds. H. Schmidt. 1,766,361; June 24.
- Formaldehyde, Making. H. W. Ahlbeck. 1,744,295; Jan. 21.
- Formaldehyde-primary aromatic amine condensation products, Preparing. W. Hildebrand. 1,777,140; Sept. 30.
- Forming and assembling machine and process. J. E. Gunter. 1,756,427; Apr. 29.
- Forming and cutting machine. O. H. Slafter. 1,773,647; Aug. 19.
- Forming, bending, and cutting off metal strips, Method and machine for. M. Hazen. 1,749,342; Mar. 4.
- Forming machine. C. D. Knowlton. 1,773,908; Aug. 26.
- Forming machine and the like. O. Georg. 1,749,334; Mar. 4.
- Forming means for composite columns and the like. E. B. Dowd. 1,756,542; Apr. 29.
- Forming or lining pipes, Method of and apparatus for. W. R. Hume. 1,768,451; June 24.
- Forms in aqueous bodies, Method of and apparatus for setting precast. F. B. Smith. 1,750,137; Mar. 11.
- Foundation. F. E. Webster. 1,746,918; Feb. 11.
- Foundation construction. D. W. Wells. 1,761,321-2; June 3.
- Foundation, Floating. R. McGarraugh. 1,746,668; Feb. 11.
- Foundation for embroidery. C. Zocher. 1,773,158; Aug. 19.
- Foundations, Constructing. R. L. Smith. 1,751,607; Mar. 25.
- Foundations, Constructing subaqueous. M. F. Clements and N. F. Helmers. 1,764,779; June 17.
- Foundations of structures, buildings, and the like, Laying. O. Stern. 1,742,423; Jan. 7.
- Founding apparatus. H. H. C. Grondahl. 1,743,341; Jan. 14.
- Fount, Poultry. W. W. Thompson and E. Russell. 1,785,921; Dec. 23.
- Fountain: See—
- Bird fountain. Freezer fountain.
 - Display fountain. Poultry fountain.
 - Drinking fountain. Water fountain.
- Fountain adjustment, Rigid-blade. H. A. Wood. 1,778,476; Oct. 14.
- Fountain appliance. F. H. Newton. 1,770,943; July 22.
- Fountain for poultry or small animals, Drinking. S. Bartholomew. 1,782,673; Nov. 25.
- Fountain for printing presses, Ink. H. C. Alger. 1,780,694-5; Nov. 4.
- Fountain head. G. Muffy. 1,763,808; June 17.
- Fountains, Draft arm for soda. C. R. Ragsdale. 1,746,317; Feb. 11.
- 4-amino-beta-phenyl-anthraquinone by amination, Preparation of. P. H. Groggins. 1,786,530; Dec. 30.
- Four-cycle engine. E. J. Bring. 1,746,635; Feb. 11.
- Four-way blocking clamp. J. Hoogerhyde. 1,772,514; Aug. 12.
- Four-wheel brake. J. Sneed. 1,776,957; Sept. 30.
- Four-wheel brake. S. B. Winn. 1,746,454; Feb. 11.
- Fourdrinier machine. G. D. Kilberry. 1,743,970; Jan. 14.
- Fourdrinier machine. J. W. Vedder, F. W. Lodding, and G. Lamoureux. 1,771,452; July 29.
- Fourdrinier machines, Shaking mechanism for. A. Aldrich. 1,761,185; June 3.
- Foxing-cementing machine. S. W. Bourn. 1,753,498; Apr. 8.
- Fractionating apparatus. E. H. Harris. 1,750,306; Mar. 11.
- Fractionating column. R. B. Chillas, jr., and A. G. Peterkin, jr. 1,748,704; Feb. 25.
- Fractionating column. R. E. Wilson and W. H. Bahlke. 1,778,475; Oct. 14.
- Fractionating system. M. B. Cooke. 1,748,411; Feb. 25.
- Fractionation. R. B. Chillas, jr., and A. G. Peterkin, jr. 1,748,595; Feb. 25.
- Fractionation. M. B. Cooke. 1,748,508; Feb. 25.
- Fractionation and apparatus therefor, Process of. W. K. Lewis. 1,767,298; June 24.
- Fractionation apparatus. W. Z. Friend. 1,780,818; Nov. 4.
- Fracture-detecting device. H. van Dyken. 1,778,648; Oct. 14.
- Frame: See—
- Advertising frame. Mending frame.
 - Automobile frame. Photo-engraver's printing frame.
 - Awning frame. Picture frame.
 - Bedcover frame. Plate frame.
 - Bed frame. Racking frame.
 - Bicycle and motor-cycle frame. Ring-spinning frame.
 - Developing, draining, and drying frame. Saw frame.
 - Door and mirror frame. Slide frame.
 - Door frame. Sign-supporting frame.
 - Drawing frame. Spinning frame.
 - Drying frame. Storage and lock-up frame.
 - Foldable frame. Supporting frame.
 - Fruit-drying frame. Swinging frame.
 - Furniture frame. Tent frame.
 - Fuselage frame. Truck side frame.
 - Hammock frame. Twisting frame.
 - Hand-bag frame. Type-page frame.
 - Heddle frame. Vehicle frame.
 - Hive frame. Warring frame.
 - Knitting frame. Wolf-lock frame.
 - Locomotive frame. Window and door frame.
 - Machine frame. Window frame.
- Frame. C. W. Cederberg and N. G. Larson. 1,778,660; Oct. 14.
- Frame. A. Entenman. 1,786,197; Dec. 23.

- Frame and cover, Metal hatchway. E. A. Sweeley and N. T. Anderson. 1,776,168; Sept. 16.
- Frame and detachable power unit apparatus, Vehicle. P. R. Morrison. 1,770,279; July 8.
- Frame and index tab therefor. F. D. Powell. 1,766,939; June 24.
- Frame and journal-box mounting, Side. P. R. Drenning. 1,747,971; Feb. 18.
- Frame and journal box, Side. G. F. Couch. 1,748,209; Feb. 25.
- Frame and making the same, Wire-screen. R. E. Blackburn. 1,753,683; Apr. 8.
- Frame and match holder, Combined cigarette package. C. J. Funk. Des. 82,147; Sept. 30.
- Frame and sash construction (removable sash), Window. B. T. Axe. 1,777,513; Oct. 7.
- Frame and spring suspension for motor vehicles. C. E. Frederickson. 1,786,906; Dec. 30.
- Frame and steering means for motor cycles and like vehicles. F. J. Osborne and N. F. Wood. 1,780,034; Oct. 28.
- Frame attachment, Upholstery-. S. L. Warren. 1,767,631-2; June 24.
- Frame attachment for tractors. R. T. Osman. 1,779,142; Oct. 21.
- Frame-cleaning apparatus, Door-. J. McIntosh. 1,759,015; May 20.
- Frame clip. H. L. Budd. 1,754,814; Apr. 15.
- Frame construction. J. Green. 1,778,854; Oct. 21.
- Frame construction. E. O. Schjolin. 1,756,913; Apr. 29.
- Frame construction, Metallic. S. Debus. 1,773,449; Aug. 19.
- Frame construction, Screen-. H. H. Everhard. 1,775,717; Sept. 16.
- Frame construction, Screen-. D. E. Shrauger. 1,779,859; Oct. 28.
- Frame construction, Sheet-metal door-. J. J. Welshofer. 1,769,280; July 1.
- Frame construction, Window-. G. W. Lancaster. 1,784,938; Dec. 16.
- Frame extension, Truck-. O. W. Fry. 1,761,334; June 3.
- Frame for a lamp globe. C. E. Osborn. Des. 81,452; June 24.
- Frame for a mopping machine. W. S. Finnell. Des. 81,779; Aug. 12.
- Frame for alarm clocks, Ornamental. P. Siptrott. 1,785,233; Dec. 16.
- Frame for all plaster walls, Metal. I. A. Baum. 1,761,288; June 3.
- Frame for Axminster looms, Tube. G. P. Findlay. 1,760,942; June 3.
- Frame for calendars and the like. V. E. Graham. 1,765,070; June 17.
- Frame for car trucks, Side. M. H. Martin. 1,785,871; Dec. 23.
- Frame for cattle stalls. J. B. Olson. 1,745,582; Feb. 4.
- Frame for combined mowing and binding machines. T. Richter. 1,748,463; Feb. 25.
- Frame for crushing machinery. G. W. Borton. 1,743,911; Jan. 14.
- Frame for display signs and the like. I. Lipkowski. 1,780,305; Nov. 4.
- Frame for doors, windows, and the like. L. G. Paul-Antonio. 1,747,789; Feb. 18.
- Frame for dynamo-electric machines and making the same, Split. A. P. Wood. 1,749,728; Mar. 4.
- Frame for electric locomotives. J. Morch and G. A. Silversparre. 1,776,079; Sept. 16.
- Frame for holding photographic films and plates. J. E. Skell. 1,752,814; Apr. 1.
- Frame for lamp shades. E. Greenberg. 1,745,366; Feb. 4.
- Frame for license plates. W. R. Busenbark. 1,752,883; Apr. 1.
- Frame for license plates. M. Hedglon. 1,752,080; Mar. 25.
- Frame for metallic screens, Forming a. L. J. Milone. 1,772,780; Aug. 12.
- Frame for mirrors, pictures, and the like. W. H. Thompson. 1,770,050; July 8.
- Frame for mobile units, Attachment. J. S. Oechsle. 1,769,159; July 1.
- Frame for musical instruments. W. L. Lange. 1,783,243; Dec. 2.
- Frame for outside walls, Door. I. A. Baum. 1,747,415; Feb. 18.
- Frame for pictures, mirrors, and the like. J. Manoil. Des. 80,901; Apr. 8.
- Frame for rail vehicles, Wheel. E. B. Kijlstra. 1,772,928; Aug. 12.
- Frame for register fronts, Sub. W. T. Truax. 1,769,725; July 1.
- Frame for rigid airships, Transverse. V. C. Richmond and G. H. Scott. 1,780,041; Oct. 28.
- Frame for screens, Metal. C. A. Shogren. 1,767,487; June 24.
- Frame for sewing machine having interchangeable sewing heads, Supporting. N. V. Christensen and W. M. Han-neman. 1,773,028; Aug. 12.
- Frame for spring-cushion seats, Base. A. C. Wisner. 1,756,579; Apr. 29.
- Frame for traversing holsts. G. A. Grab. 1,781,754; Nov. 18.
- Frame for weaving, Tube. J. J. Brogan. 1,754,498; Apr. 15.
- Frame for windows or the like. H. C. Reuter. Des. 82,626; Nov. 25.
- Frame for yarns or threads, Winding. T. A. Boyd and H. A. Boyd. 1,763,753; June 17.
- Frame of a chair or settee. C. W. Jones. Des. 81,197; May 20.
- Frame of a chair or settee. C. W. Jones. Des. 81,243; May 27.
- Frame of a chair or settee. C. W. Jones. Des. 81,366; June 10.
- Frame of a chair or settee. C. W. Jones. Des. 81,933; Sept. 2.
- Frame of a chair or settee. C. W. Jones. Des. 81,935; Sept. 2.
- Frame setting, Adjustable. C. G. Nelson. 1,754,762; Apr. 15.
- Frame straightener, Automobile. H. J. Kicherer and R. B. Niles. 1,764,840; June 17.
- Frame structure for tractors. T. C. Leake. 1,746,001; Feb. 4.
- Frame structure, Tender-. C. B. Harbison. 1,757,117; May 6.
- Frame with passages for use on spinning machines, Drawing. J. Von Trümbach. 1,786,180; Dec. 23.
- Frame with transverse laths, Drying. G. Hartmann. 1,760,056; May 27.
- Framework structure for the steering gear of airships. J. Schuette. 1,780,569; Nov. 4.
- Framing for wall opening. I. A. Baum. 1,774,249; Aug. 26.
- Frames and other machines, Apparatus for operating on spinning. W. B. Walker. 1,781,142; Nov. 11.
- Frames and the like, Differential motion for roving. W. C. Stewart. 1,748,683; Feb. 25.
- Frames and the like, Differential motion for roving. W. C. Stewart. 1,752,708; Apr. 1.
- Frames, Crossbar for automobile. B. T. Andren. 1,754,926; Apr. 15.
- Frames, etc., Device for clearing flyings, lint, etc., from drawings. T. J. Comber. 1,745,151; Jan. 28.
- Frames for spinning or twisting cotton and other fibers, slubbing, roving, and like. R. L. Bellhouse. 1,757,407; May 6.
- Frankfurter roaster. S. A. Xippas. Des. 80,407; Jan. 21.
- Franking machine. W. Friedrichs. 1,750,399; Mar. 11.
- Franking machine. G. Grandjean. 1,766,783; June 24.
- Freezer, Continuous. A. T. Light. 1,773,912; Aug. 26.
- Freezer fountain. C. Taylor. 1,765,747; June 24.
- Freezer, Power-operated ice-cream. C. A. Hager, jr. 1,751,813; Mar. 25.
- Freezing apparatus. E. D. Kohr. 1,772,424; Aug. 5.
- Freezing apparatus. M. P. Vucassovich. 1,769,087-8; July 1.
- Freezing apparatus. L. S. Pfouts. 1,756,261; Apr. 29.
- Freezing mechanism. L. S. Pfouts. 1,779,330; Oct. 21.
- Freezing mechanism. W. H. Thompson. 1,765,315; June 17.
- Freight and apparatus therefor, System for handling. A. R. Grob. 1,783,363; Dec. 2.
- Freight, Apparatus for handling. J. J. Fullerton. 1,774,643; Sept. 2.
- Freight, Apparatus for transferring. A. H. Bates. 1,766,589; June 24.
- Freight, Apparatus for transferring. B. F. Fitch. 1,766,619-20; June 24.
- Freight, Apparatus for transferring. B. F. Fitch. 1,776,066; Sept. 16.
- Freight carrier, Package-. W. P. Kellett. 1,765,591; June 24.
- Freight, System and apparatus for handling. C. E. Cochran. 1,764,780; June 17.
- Frequency and speed control. F. Wunsch. 1,751,539; Mar. 25.
- Frequency changer. R. E. Hellmund. 1,768,953; July 1.
- Frequency changer. W. T. Powell. 1,758,971; May 20.
- Frequency changer. A. W. Forbes. 1,760,591; May 27.
- Frequency changer for short waves. M. Osnos and R. Kummich. 1,744,668; Jan. 21.
- Frequency changing, Arrangement for. M. Osnos. 1,762,346; June 10.
- Frequency changing method and means. C. V. Logwood. 1,751,485; Mar. 25.
- Frequency-control device. J. B. Coleman and F. Conrad. 1,768,888; July 1.
- Frequency converter. P. D. Flehr. 1,784,228; Dec. 9.
- Frequency or speed measurement and control, System of. F. Wunsch. 1,751,538; Mar. 25.
- Friable materials, Reducing. G. C. E. Keet. 1,776,318; Sept. 23.
- Friction and heat resisting article and manufacturing the same. W. Nanfeldt. 1,758,055; May 13.
- Friction bodies, Manufacture of. H. Kattwinkel. 1,755,355; Apr. 22.
- Friction body. H. Kattwinkel. 1,773,533; Aug. 19.
- Friction body for friction couplings, brakes, and the like. H. Kattwinkel. 1,780,710; Nov. 4.
- Friction brake. T. F. Brackett. 1,768,882; July 1.
- Friction brake. H. Gillies. 1,768,900; July 1.
- Friction brake. J. Keeney. 1,753,466; Apr. 8.
- Friction brake. B. F. Shields and C. G. Cromble. 1,767,621; June 24.
- Friction brake. J. S. Thompson. 1,757,273; May 6.
- Friction brake. J. S. Thompson. 1,761,318; June 3.
- Friction brake. J. S. Thompson. 1,771,594; July 29.

- Friction-clutch-driven press. R. W. Strout. 1,749,360; Mar. 4.
- Friction-control mechanism. E. J. Wilson. 1,764,923; June 17.
- Friction coupling. B. Wittkuhn. 1,760,223; May 27.
- Friction coupling, Electromagnetically-operated. P. Schünemann. 1,760,174; May 27.
- Friction device. V. G. Apple. 1,780,455; Nov. 4.
- Friction device, Expanding-ring. G. M. Class. 1,776,415; Sept. 23.
- Friction drive, Change-speed. R. S. Jacobsen. 1,775,201; Sept. 9.
- Friction element. W. C. Fisher. 1,754,233; Apr. 15.
- Friction element and making same. I. J. Novak. 1,785,701; Dec. 16.
- Friction elements and making same. I. J. Novak. 1,766,931; June 24.
- Friction elements and making same. I. J. Novak. 1,766,933; June 24.
- Friction elements and producing same, Hardened cellular or fibrous. I. J. Novak. 1,766,932; June 24.
- Friction elements and producing same, Hardened cellular or fibrous. I. J. Novak. 1,766,934; June 24.
- Friction material. A. L. Boegehold and C. R. Short. 1,757,408; May 6.
- Friction material. R. J. Norton. 1,751,167; Mar. 18.
- Friction material. E. Slade. 1,745,774; Feb. 4.
- Friction press. L. Witkowski. 1,747,808; Feb. 18.
- Friction shoe. O. Pearson. 1,775,211; Sept. 9.
- Friction spindle press and the maximum utilization thereof. O. May. 1,774,148; Aug. 26.
- Friction sub. F. J. Hinderliter. 1,767,286; June 24.
- Friction surface. H. F. Busch. 1,786,190; Dec. 23.
- Friction-testing device for rotating members. J. A. Watson and L. E. Miller. 1,775,075-6; Sept. 2.
- Friction tile press. F. B. Yingling. 1,758,772; May 13.
- Frictional drive. E. J. Kingsbury and J. E. Anderson. 1,764,211; June 17.
- Fringe. I. Grabelsky. Des. 82,741; Dec. 9.
- Fringe. P. N. Newman. 1,746,790; Feb. 11.
- Fringe and making the same. P. Kranz and A. P. Schmid. 1,769,145; July 1.
- Fringe-tasseling machine. R. E. Walliser. 1,757,985; May 13.
- Frog point. D. E. Anderson. 1,760,465; May 27.
- Froth flotation process and product for effecting same. I. H. Derby and O. D. Cunningham. 1,772,386; Aug. 5.
- Frozen product machine front. E. D. Kohr. Des. 82,094; Sept. 23.
- Fruit and like peeler. A. Happe. 1,773,267; Aug. 19.
- Fruit and similar articles, Apparatus for marking. H. G. Nutt and S. C. Bartholomew. 1,755,456; Apr. 22.
- Fruit and the like, Apparatus for treating. E. M. Brogden. 1,786,405; Dec. 23.
- Fruit and vegetable cutter. A. M. Taylor. 1,744,422; Jan. 21.
- Fruit and vegetable grading machine. G. S. Helenbolt. 1,758,603; May 13.
- Fruit, Apparatus for sizing. B. C. Skinner. 1,775,739; Sept. 16.
- Fruit cleaner. H. A. Ingraham. 1,757,308; May 6.
- Fruit-cleaning machine. H. A. Ingraham. 1,780,924; Nov. 11.
- Fruit clipper. B. C. Ames. 1,755,417; Apr. 22.
- Fruit clipper. W. W. Tancred. 1,769,401; July 1.
- Fruit-coring and stem-removing method and apparatus. A. L. Duncan. 1,769,664; July 1.
- Fruit crusher. F. Grunwald. 1,772,099; Aug. 5.
- Fruit cutter and squeezer. J. H. Roberts. 1,762,031; June 3.
- Fruit-cutting and seed-celling machine, Continuous. F. A. Reynolds. 1,765,310; June 17.
- Fruit distributor. D. E. Keech. 1,782,826; Nov. 25.
- Fruit-drying frame. D. C. Rosenberg. 1,768,296; June 24.
- Fruit-gathering device. C. A. Beucier. 1,774,223; Aug. 26.
- Fruit-grading machine. E. H. Wiegand. 1,754,923; Apr. 15.
- Fruit-grading table. J. A. Byington. 1,783,700; Dec. 2.
- Fruit-juice extractor. C. E. Beardsley and E. P. Wallace. 1,757,609; May 6.
- Fruit-juice extractor. C. F. Silveus. 1,747,957; Feb. 18.
- Fruit-juice extractor, Citrus. G. B. Baker. 1,754,591; Apr. 15.
- Fruit-juice separator. A. Miller. 1,757,326; May 6.
- Fruit juices, Packaging. C. Birdseye. 1,775,549; Sept. 9.
- Fruit, Method of and apparatus for paring. W. A. Fonken. 1,766,496; June 24.
- Fruit or preserve jar. R. H. Parker. Re17,562; Jan. 14.
- Fruit packing stand. E. R. Walker. 1,784,403; Dec. 9.
- Fruit, Packing. R. E. Westbrook. 1,758,771; May 13.
- Fruit peeling and coring machine. C. B. Spencer and L. M. Canaday. 1,769,654; July 1.
- Fruit picker. M. P. Crank. 1,744,614; Jan. 21.
- Fruit picker. M. Harter. 1,767,977; June 24.
- Fruit picker. L. G. Kerns. 1,775,562; Sept. 9.
- Fruit picker. W. W. Tautlinger. 1,743,580; Jan. 14.
- Fruit-picker's bag. H. Hammock and G. Riddle. 1,754,100; Apr. 8.
- Fruit-picking bag. P. V. Kinney. 1,782,355; Nov. 18.
- Fruit pitter. E. R. Anderson. 1,784,998; Dec. 16.
- Fruit pitter. H. and D. Goranson. 1,785,012; Dec. 16.
- Fruit pitter. H. W. Norgaard. 1,785,014; Dec. 16.
- Fruit pitter. A. R. Thompson. 1,785,015-16; Dec. 16.
- Fruit pitter. A. R. Thompson. Re17,659; May 6.
- Fruit pitter. A. R. Thompson and E. R. Anderson. 1,785,019; Dec. 16.
- Fruit pitter. J. B. Whipple. 1,785,021; Dec. 16.
- Fruit pitter, Clingstone. J. B. Whipple. 1,785,020; Dec. 16.
- Fruit-pitting machine. G. Frova. 1,784,347; Dec. 9.
- Fruit pitting and coring apparatus. A. L. Duncan. 1,785,002; Dec. 16.
- Fruit pitting and coring apparatus. A. L. Duncan. 1,785,004-5; Dec. 16.
- Fruit pitting and coring machine. W. W. Havens. 1,785,013; Dec. 16.
- Fruit pitting and coring mechanism. A. L. Duncan. 1,785,007; Dec. 16.
- Fruit pitting and coring method. A. L. Duncan. 1,785,006; Dec. 16.
- Fruit pitting and coring method and apparatus. A. L. Duncan. 1,785,003; Dec. 16.
- Fruit-pitting apparatus. E. R. Anderson. 1,784,999; Dec. 16.
- Fruit-pitting apparatus. A. R. Thompson. 1,785,018; Dec. 16.
- Fruit-pitting machine. A. L. Duncan. 1,785,009; Dec. 16.
- Fruit-pitting machine. A. L. Duncan. 1,785,022; Dec. 16.
- Fruit-pitting machine. N. Felizianetti. 1,785,011; Dec. 16.
- Fruit-pitting machine. A. R. Thompson. 1,785,017; Dec. 16.
- Fruit-pitting machines, Method and apparatus for clearing. A. L. Duncan. 1,784,008; Dec. 16.
- Fruit preparatory to removing the pit therefrom, Apparatus for feeding, trimming, and cutting. A. L. Duncan. 1,785,000; Dec. 16.
- Fruit, Preserving citrus. P. Phillips. 1,759,464; May 20.
- Fruit sections, Device for squeezing. B. Page. 1,764,466; June 17.
- Fruit to prevent decay, Processing of. H. R. Bates. 1,774,310; Aug. 26.
- Fruit-treating method and apparatus. A. L. Duncan. 1,785,001; Dec. 16.
- Fruit treatment, Dried-. T. W. W. Forrest. 1,773,425; Aug. 19.
- Fruit-washing machine. T. Farley. 1,748,872; Feb. 25.
- Fruits and vegetables, Treating. J. J. Nevills. 1,753,902; Apr. 8.
- Fruits, Apparatus for drying. J. D. Stubbe. 1,778,047; Oct. 14.
- Frying machine, Automatic deep-. A. and E. Bothe. 1,783,696; Dec. 2.
- Frying pan, Safety. A. B. Abel. 1,749,239; Mar. 4.
- Fuel, Aero. M. S. Fairhill. 1,746,996; Feb. 11.
- Fuel and electric heating, Method of and apparatus for cospatial. G. T. Southgate. 1,775,606; Sept. 9.
- Fuel and making same. R. W. Strehlenert. 1,743,985; Jan. 14.
- Fuel and making the same, Metallurgical. G. Jakova-Merturi. 1,779,744; Oct. 28.
- Fuel and product thereof, Identifying. H. S. Mork. 1,748,787; Feb. 25.
- Fuel and the like, Feeder for pulverized. J. B. Rice and T. Kruger. 1,778,774; Oct. 21.
- Fuel apparatus. H. G. Lykken. 1,768,619; July 1.
- Fuel, Apparatus for binding pulverulent. J. Türke. 1,750,609; Mar. 11.
- Fuel, Apparatus for burning. W. C. Coleman. 1,749,629; Mar. 4.
- Fuel, Apparatus for burning pulverized. V. Z. Caracristi. 1,759,038; May 20.
- Fuel, Apparatus for feeding. C. W. Thomas. 1,757,401; May 6.
- Fuel, Apparatus for gasifying and distilling solid. E. Roser. 1,765,702; June 24.
- Fuel, Apparatus for the carbonization of. E. Rammelkamp. 1,775,570; Sept. 9.
- Fuel, Apparatus for the manufacture of carbonized. S. R. Illingworth. Re17,572; Jan. 28.
- Fuel, Apparatus for the manufacture of smokeless. C. Vieu and L. Mourgeon. 1,752,044; Mar. 25.
- Fuel apparatus, Liquid-. A. Lanser. 1,766,133; June 24.
- Fuel, Artificial. J. A. Wyler. 1,752,935; Apr. 1.
- Fuel atomizer for Diesel engines with air supply. M. Louis. 1,776,812; Sept. 30.
- Fuel blower and pulverizer, Combined. P. L. Crowe. 1,760,120; May 27.
- Fuel briquette. J. S. Ford and F. Murray. 1,784,665; Dec. 9.
- Fuel briquette. P. E. Welton. 1,747,919; Feb. 18.
- Fuel briquette. P. E. Welton and G. H. Wadsworth. 1,783,759; Dec. 2.
- Fuel-briquette forming and baking machine. W. C. Carpenter. 1,785,827; Dec. 23.
- Fuel briquettes, Making. C. V. McIntire. 1,772,053; Aug. 5.
- Fuel briquettes, Manufacturing. H. F. Maurel. 1,780,205; Nov. 4.
- Fuel bunker for the steam generators of locomotives, marine and stationary engines, and plant. R. H. Whitelegg. 1,752,870; Apr. 1.
- Fuel burner. O. M. Coon. 1,784,927; Dec. 16.
- Fuel burner. R. F. Leeefeld. 1,776,735; Sept. 23.
- Fuel burner. B. Peckelhoff. 1,784,747; Dec. 9.
- Fuel burner. W. Scrimgeour. 1,747,798; Feb. 18.
- Fuel burner, Comminuted-. R. H. Burdick. 1,748,106; Feb. 25.

- Fuel burner, Furnace-door-carried. G. F. Beckham and C. D. Morgan. 1,783,490; Dec. 2.
- Fuel burner, Liquid-. J. W. H. Ainscow. 1,746,180; Feb. 4.
- Fuel burner, Liquid-. J. W. Newbery. 1,780,273; Nov. 4.
- Fuel burner, Liquid-. E. F. White. 1,785,707; Dec. 16.
- Fuel burner, Water-cooled comminuted-. V. C. Snyder. 1,758,478; May 13.
- Fuel-burning apparatus, Liquid. G. E. Goodridge. 1,771,979; July 29.
- Fuel-burning apparatus for pulverized. E. Lundgren. 1,754,277; Apr. 15.
- Fuel-burning apparatus, Liquid. J. T. McTarnahan. 1,764,459; June 17.
- Fuel-burning apparatus, Pulverized-. B. J. Cross. 1,756,321; Apr. 29.
- Fuel-burning boiler furnace, Finely-divided. J. Van Brunt. 1,780,284; Nov. 4.
- Fuel-burning device for domestic purposes, Liquid-. P. A. Celander. 1,783,405; Dec. 2.
- Fuel-burning devices, Safety control mechanism for. C. B. Chandler. 1,780,971; Nov. 11.
- Fuel, Burning liquid. J. W. Cannon. 1,766,243; June 24.
- Fuel-burning motor. E. B. Robey. 1,779,077; Oct. 21.
- Fuel, Burning powdered. L. V. Andrews. 1,762,462; June 10.
- Fuel, Burning pulverized. F. Koch. 1,766,652; June 24.
- Fuel-charge moistener. A. C. Runge and E. C. Badger. 1,749,924; Mar. 11.
- Fuel-charging device. F. E. Aseltine. 1,749,307; Mar. 4.
- Fuel chest. C. A. Sandell. 1,762,530; June 10.
- Fuel-cleaning device for liquid fuels. B. N. Pierce. 1,767,895; June 24.
- Fuel combustion, Fluid-. P. R. Delleng. 1,754,546; Apr. 15.
- Fuel composition. H. C. Williams. 1,755,282; Apr. 22.
- Fuel-controlling device, Thermostatically-operated. H. W. O'Dowd. 1,755,188; Apr. 22.
- Fuel, Composite motor. C. M. Hudson. 1,775,461; Sept. 9.
- Fuel control and balancing system. J. G. Yonkese. 1,776,877; Sept. 30.
- Fuel converter, Liquid-. P. W. Ensign. 1,769,679; July 1.
- Fuel device and the like. N. J. Conrad. 1,743,322; Jan. 14.
- Fuel-dispensing system, Hydraulic. E. Hurlbrink and M. Ludwig. 1,757,715; May 6.
- Fuel-distributing apparatus, Pulverized-. W. R. Wood. 1,769,763; July 1.
- Fuel-feed system. J. A. Dienger. 1,745,568; Feb. 4.
- Fuel-feed system. L. M. Persons. 1,746,441; Feb. 11.
- Fuel-feed system for internal-combustion engines of automobiles. L. P. Barlow. 1,785,573; Dec. 16.
- Fuel feeding and carbureting system. J. C. Coulombe. 1,771,986; Aug. 5.
- Fuel feeding and measuring device, Pulverized. K. A. Mayr. 1,771,497; July 29.
- Fuel-feeding apparatus. J. C. Coulombe. 1,763,628; June 10.
- Fuel-feeding apparatus, Vacuum-operated. C. S. Burton. 1,786,700; Dec. 30.
- Fuel-feeding device. C. S. Burton. 1,783,374; Dec. 2.
- Fuel-feeding device. D. R. Younger. 1,782,592; Nov. 25.
- Fuel-feeding device for motor vehicles. B. N. Pierce. 1,766,684; June 24.
- Fuel-feeding system. W. R. Hewitt. 1,767,452; June 24.
- Fuel-feeding system for motor vehicles. A. G. Redmond. 1,743,392; Jan. 14.
- Fuel-feeding system for motor vehicles. A. G. Redmond. 1,766,686-7; June 24.
- Fuel fire, advertising sign, and the like, Imitation solid-. R. D. Best. 1,775,835; Sept. 16.
- Fuel-firing system, Pulverulent-. A. B. Helbig. 1,748,173; Feb. 25.
- Fuel for industrial and domestic purposes, Producing. H. Debauche. 1,746,767; Feb. 11.
- Fuel for internal-combustion engines. R. John. 1,753,294; Apr. 8.
- Fuel for internal-combustion engines, Carburation of hydrocarbon liquid. G. Hamilton-Graves. 1,744,627; Jan. 21.
- Fuel for internal-combustion engines, Carburation of hydrocarbon. G. Hamilton-Graves. 1,783,612; Dec. 2.
- Fuel for the generation of steam, Burning finely-divided. E. Lundgren. 1,770,987; July 22.
- Fuel furnace, Pulverized-. A. E. Douglass. 1,772,097; Aug. 5.
- Fuel-handling system. R. D. De Wolf. 1,778,755; Oct. 21.
- Fuel heater. P. Soprani. 1,756,008; Apr. 22.
- Fuel heating, Liquid-. M. A. Powers. 1,782,050; Nov. 18.
- Fuel, High-compression motor. P. S. Danner and J. E. Muth. 1,779,061; Oct. 21.
- Fuel in furnaces for heating buildings, Burning liquid. A. B. Frenier. 1,743,205; Jan. 14.
- Fuel injection and atomization by stream impact. R. E. Bruckner. 1,769,675; July 1.
- Fuel, Internal-combustion-engine. I. Bourie. 1,752,724; Apr. 1.
- Fuel into the cylinders of internal-combustion engines, Device for spraying. A. W. Krämling. 1,766,389; June 24.
- Fuel, Liquid. C. O. Johns. 1,757,838; May 6.
- Fuel, Liquid. A. Laurent. 1,770,315; July 8.
- Fuel, Making motor. B. Fixman. 1,781,872; Nov. 18.
- Fuel, Method and apparatus for burning pulverized. J. E. Bell. 1,786,887; Dec. 30.
- Fuel, Method of and apparatus for burning solid. F. Novelli. 1,756,096; Apr. 29.
- Fuel, Method of and apparatus for reatomizing. J. A. Secor. 1,785,501; Dec. 16.
- Fuel, Method of and apparatus for vaporization of liquid. W. Blaskewitz and C. B. Overly. 1,770,347; July 8.
- Fuel mixer. J. Dearmann. 1,764,096; June 17.
- Fuel mixer. W. A. Edwards. 1,755,289; Apr. 22.
- Fuel mixer, Automatic thermostatic auto. I. W. Humphrey. 1,749,034; Mar. 4.
- Fuel-mixing device. J. and F. Rogacewicz. 1,743,622; Jan. 14.
- Fuel mixing device, Gaseous. H. Brandl and A. Goldberger. 1,778,790; Oct. 21.
- Fuel-mixing device, Gaseous-. G. H. Dawes and M. C. Lewis. 1,779,422; Oct. 28.
- Fuel-mixing device, Gaseous-. A. Defrance and M. and E. Pestel. 1,775,891; Sept. 16.
- Fuel-mixture forming and feeding apparatus for internal-combustion engines. W. A. Edwards. 1,771,531; July 29.
- Fuel mixtures, Making. P. E. and F. A. Webb. 1,746,172; Feb. 4.
- Fuel, Motor. W. Gaus. 1,775,674; Sept. 16.
- Fuel, Motor. C. O. Johns. 1,757,837; May 6.
- Fuel, Motor. M. Müller-Cunradi and W. Wilke. 1,765,692; June 24.
- Fuel, Nonknocking motor. A. C. Egerton. 1,771,169; July 22.
- Fuel-oil burner. C. J. May. 1,748,611; Feb. 25.
- Fuel pulverizer. J. C. Chapple. 1,770,198; July 8.
- Fuel-reclaiming device for internal-combustion engines. H. A. Trussell. 1,779,364; Oct. 21.
- Fuel rectifier. J. Hutchinson. 1,763,654; June 17.
- Fuel, Regulating. C. L. Stokes. 1,750,766; Mar. 18.
- Fuel regulator, Automatic. C. L. Stokes. 1,764,659; June 17.
- Fuel-reserve apparatus for fuel tanks. G. E. Barnhart. 1,769,049; July 1.
- Fuel-saving device. W. E. Rothermel. 1,751,175; Mar. 18.
- Fuel-saving device. N. J. Russell. 1,766,191; June 24.
- Fuel-supply apparatus. J. V. Pachter. 1,785,094; Dec. 16.
- Fuel-supplying device. J. C. Groff. 1,749,975; Mar. 11.
- Fuel system for inclosed-burner bake ovens. E. O. Engels. 1,760,486; May 27.
- Fuel tank. H. T. Kraft. 1,779,397; Oct. 21.
- Fuel to an internal-combustion engine of the high-compression type, Feeding. W. G. Gernandt. 1,751,989; Mar. 25.
- Fuel to charge-forming devices, Supplying. A. C. Redmond. 1,743,236; Jan. 14.
- Fuel to furnaces, Apparatus for supplying powdered. E. Hermsdorf. 1,749,817; Mar. 11.
- Fuel to internal-combustion engines, Apparatus for supplying. L. T. Thurber. 1,776,871; Sept. 30.
- Fuel to selected specifications and the product thereof, Producing. A. A. Roberts. 1,770,627; July 15.
- Fuel under boilers, Automatic system for burning. E. Skillman and G. Harmon. 1,761,158; June 3.
- Fuel vaporization and induction system for internal-combustion engines. H. A. Trussell. 1,766,854; June 24.
- Fueling system. T. Bossard. 1,753,199; Apr. 8.
- Fuelizer for air withdrawn from suction-actuated power actuators. C. S. Bragg and V. W. Kliesrath. 1,753,168; Apr. 1.
- Fuels, Alloying dust in. J. R. Belknap. Re17,566; Jan. 14.
- Fuels and like materials, Process of and self-regulating plant for the mechanical preparation of pulverized solid. G. S. Loy. 1,774,487; Aug. 26.
- Fuels, Burning different. A. V. Adamson. 1,778,744; Oct. 21.
- Fuels, Combustion method for. E. Völcker. 1,754,586; Apr. 15.
- Fuels, Dehydration of moist. H. A. von Staden and A. Hoehn. 1,783,757; Dec. 2.
- Fuels, Method and apparatus for burning. E. P. Wetmore. 1,769,197; July 1.
- Fuels, Method of and apparatus for vaporizing liquid. F. F. Brush. 1,782,602; Nov. 25.
- Fuels, Producing liquid. A. Joseph. 1,758,796; May 13.
- Fuels to internal-combustion engines, Device for supplying heavy-liquid. G. Gidino. 1,778,109; Oct. 14.
- Fuels, Using motor. T. Midgley, jr. 1,787,419; Dec. 30.
- Fuels, Vaporizing hydrocarbon. M. C. Steese. 1,748,588; Feb. 25.
- Fulcrum plate for spiders. C. S. Grickmer. 1,764,245; June 17.
- Fuller's earth and the like, Treating. H. J. Hartley. 1,768,465; June 24.
- Fumigating apparatus and fumigating. R. M. Jackson. 1,773,582; Aug. 19.
- Fumigating apparatus, Ship-. C. D. Collins. 1,745,078; Jan. 28.
- Fumigating compound and producing the same. K. F. Cooper. 1,754,148; Apr. 8.
- Fumigating device. H. A. Searle. 1,755,901; Apr. 22.
- Fumigating device. C. C. Winchester. 1,756,414; Apr. 29.
- Fungicide. E. B. Alvord. 1,762,709; June 10.
- Fungicide. K. Brodersen and W. Ext. 1,752,293; Apr. 1.
- Fungicide. H. A. Lee. 1,760,001; July 8.

- Fungicide and disinfectant, Seed. H. Adler and G. A. McDonald. 1,785,472; Dec. 16.
- Fungicide and insecticide. W. C. O'Kane. 1,786,125; Dec. 23.
- Fungicidal and insecticidal composition and preparing same. L. P. Curtin. 1,785,074; Dec. 16.
- Fungicidal product for seed treatment. C. S. Reddy. 1,760,000; May 27.
- Funnel, Filtering. C. R. Owens. Re17,641; Apr. 8.
- Funnel for kilns, Discharge. E. Sobek. 1,778,281; Oct. 14.
- Fur for shrinking and felting, Preparation of. J. H. Martin. 1,762,233; June 10.
- Fur, Making imitation animal. W. Achtmeyer. 1,760,464; May 27.
- Fur-ornamenting machine. F. W. Horstmann. 1,765,375; June 24.
- Fur-overseaming machine. H. Allbook and M. Hashfield. 1,748,627; Feb. 25.
- Fur skin. W. O. Snelling. 1,745,724; Feb. 4.
- Fur stretcher. O. Hollywood. 1,755,118; Apr. 15.
- Fur stretching and nailing machine. A. Altman. 1,745,594; Feb. 4.
- Fur, Treating. C. D. Parks. 1,766,452; June 24.
- Fur-treating machine. P. P. Ruhe and William Sonen. 1,771,144; July 22.
- Fur-treating method and apparatus. S. Friedman. 1,776,114; Sept. 16.
- Furnace: See—
- Air-heating furnace. Glass-melting furnace.
- Annealing furnace. Glass-tank furnace.
- Blast furnace. Grate furnace.
- Boiler furnace. Hearth furnace.
- Chemical furnace. Heating furnace.
- Coal furnace. Heat-treating furnace.
- Coal and gas furnace. Hot-air furnace.
- Converting furnace. Induction furnace.
- Cupola furnace. Inductor-type furnace.
- Electric furnace. Industrial furnace.
- Electric inductance furnace. Metal-heating furnace.
- Electric induction furnace. Metallurgical furnace.
- Electric melting furnace. Oil and gas burning furnace.
- Electric refining furnace. Open-hearth furnace.
- Electric-torch furnace. Ore furnace.
- Electrical furnace. Ore-reduction furnace.
- Electrical resistance furnace. Ore-roasting furnace.
- Electrothermic zinc furnace. Regenerative furnace.
- Floor furnace. Refort furnace.
- Forging furnace. Reverberatory furnace.
- Fuel furnace. Roller-hearth furnace.
- Garbage furnace. Rotary furnace.
- Gas furnace. Sectional furnace.
- Gas producer and combined furnace. Steam-generating furnace.
- Underfeed furnace. Tempering furnace.
- Tube still furnace.
- Furnace. G. W. Bach. 1,763,210; June 10.
- Furnace. W. T. Barker. 1,771,989; Aug. 5.
- Furnace. R. C. Benner. 1,786,593; Dec. 30.
- Furnace. W. J. Boesch. 1,744,021; Jan. 14.
- Furnace. C. E. Buysse. 1,742,646; Jan. 7.
- Furnace. T. W. Clark. 1,769,053; July 1.
- Furnace. W. G. Crothers. 1,770,126; July 8.
- Furnace. G. L. Danforth, jr. 1,769,210; July 1.
- Furnace. G. L. Danforth, jr. 1,769,495; July 1.
- Furnace. S. Daniels. 1,773,520; Aug. 19.
- Furnace. W. E. Detwiler. 1,787,307; Dec. 30.
- Furnace. J. R. Doherty. 1,753,286; Apr. 8.
- Furnace. F. J. Droege. 1,768,583; July 1.
- Furnace. J. W. Dyar. 1,749,907; Mar. 11.
- Furnace. F. A. Fahrenwald. 1,770,103; July 8.
- Furnace. F. P. Fairchild. 1,784,586; Dec. 9.
- Furnace. W. Ferguson. 1,764,292; June 17.
- Furnace. A. M. Gow. 1,769,220; July 1.
- Furnace. A. F. Hall. 1,756,485; Apr. 29.
- Furnace. C. H. Hall. 1,762,816; June 10.
- Furnace. J. C. Hobbs. 1,776,906; Sept. 30.
- Furnace. C. J. Huber. 1,751,861; Mar. 25.
- Furnace. R. A. Ilg. 1,772,896; Aug. 12.
- Furnace. H. J. Kerr. 1,756,755; Apr. 29.
- Furnace. J. Kubik. 1,765,430; June 24.
- Furnace. H. Landrus. 1,777,171; Sept. 30.
- Furnace. H. E. Leety, J. A. Eckert, and A. W. Page. 1,780,783; Nov. 4.
- Furnace. H. B. Markham. 1,754,237; Apr. 15.
- Furnace. R. S. McNaney. 1,751,829; Mar. 25.
- Furnace. C. G. Miller. 1,748,303; Feb. 25.
- Furnace. A. N. Otis. 1,755,072; Apr. 15.
- Furnace. E. Prat. 1,766,534; June 24.
- Furnace. C. H. Root. 1,757,878; May 6.
- Furnace. J. Scognio. 1,744,084; Jan. 21.
- Furnace. J. F. Shelton. 1,780,984; Nov. 11.
- Furnace. A. W. Smith and R. B. Jones. 1,767,817; June 24.
- Furnace. H. E. Smythe. 1,769,863; July 1.
- Furnace. J. Spousta. 1,749,164; Mar. 4.
- Furnace. R. H. Stevens. 1,769,866; July 1.
- Furnace. R. Walker. 1,781,616; Nov. 11.
- Furnace. H. D. Weed. 1,760,459; May 27.
- Furnace. S. J. A. Wiebe. 1,756,320; Apr. 29.
- Furnace adapted for hardening by nitrogenization, Electric resistance. A. Fry. Re17,874; Nov. 18.
- Furnace air preheater. R. S. Riley. 1,759,916; May 27.
- Furnace and control therefor. E. McLean. 1,754,279; Apr. 15.
- Furnace and conveyer therefor. R. S. Cochran. 1,734,812; Dec. 16.
- Furnace and lining for same, Rotary heat-treatment. E. H. Mix. 1,768,776; July 1.
- Furnace and method of burning fuel. M. W. Arrowood. Re17,908; Dec. 23.
- Furnace and method of heat generation. Open-hearth. F. Orth. 1,769,853; July 1.
- Furnace and operating the same. T. G. Coghlan and E. A. Johnsen. 1,753,363; Apr. 8.
- Furnace and operating the same. H. J. Kerr. 1,747,676; Feb. 18.
- Furnace and operating the same, Calcining. E. Klöhn. 1,751,161; Mar. 18.
- Furnace and operating the same, Continuous-car-tunnel. D. P. Ogden. 1,768,486; June 24.
- Furnace and operating the same, Cupola. V. S. Durbin. 1,778,524; Oct. 14.
- Furnace and operating the same, Muffle. W. W. Kemp. 1,752,800; Apr. 1.
- Furnace and port construction. G. L. Danforth, jr. 1,769,212; July 1.
- Furnace and port construction, Metallurgical. G. L. Danforth, jr. 1,769,211; July 1.
- Furnace and the like, Open-hearth. F. Orth. 1,769,854; July 1.
- Furnace and the like, Pot. P. B. Crocker. 1,745,335; Jan. 28.
- Furnace-arch construction. L. S. Abbott. 1,764,707; June 17.
- Furnace-arch construction. B. Dobie. 1,759,045; May 20.
- Furnace-arch construction. H. H. Wonnig. 1,769,894; July 1.
- Furnace-arch structure. J. F. Booraem. 1,743,108; Jan. 14.
- Furnace attachment. H. F. Eastwood. 1,781,811; Nov. 18.
- Furnace attachment. M. Greenberg. 1,768,684; July 1.
- Furnace attachment. M. Owen. 1,783,809; Dec. 2.
- Furnace attachment, Hot-air. E. R. Nevel. 1,755,790; Apr. 22.
- Furnace block, Air-cooled. F. H. Waite and G. W. Davey. 1,744,185; Jan. 21.
- Furnace burner. F. X. Hamberger. 1,785,900; Dec. 23.
- Furnace-charging conveyer. A. R. McArthur. 1,756,653; Apr. 29.
- Furnace cooling by steam. H. F. Easter. 1,783,284; Dec. 2.
- Furniture, Constructing. F. L. Smith. 1,781,086; Nov. 11.
- Furnace construction. F. B. Allen. 1,758,421; May 13.
- Furnace construction. A. W. Bennis. 1,751,188; Mar. 18.
- Furnace construction. C. T. Carlson. 1,776,178; Sept. 16.
- Furnace construction. G. E. Connolly. 1,778,144; Oct. 14.
- Furnace construction. G. L. Danforth, jr. 1,769,368; July 1.
- Furnace construction. G. L. Danforth, jr. 1,769,496; July 1.
- Furnace construction. H. Daum. 1,786,829; Dec. 30.
- Furnace construction. R. D. Foltz. 1,747,822-3; Feb. 18.
- Furnace construction. L. H. Hosbein and O. Welcome. 1,766,175; June 24.
- Furnace construction. E. J. McDonnell. 1,769,446; July 1.
- Furnace construction. F. H. Waite and G. W. Davey. 1,753,842; Apr. 8.
- Furnace construction, Finely-divided-fuel-burning. W. R. Wood. 1,781,310; Nov. 11.
- Furnace construction, Glass-tank. J. L. Drake. 1,761,197; June 3.
- Furnace construction, Metallurgical. G. L. Danforth, jr. 1,769,209; July 1.
- Furnace construction, Open-hearth. G. L. Danforth, jr. 1,769,367; July 1.
- Furnace construction, Open-hearth. E. J. McDonnell. 1,769,447; July 1.
- Furnace construction, Roasting. H. J. Hartley. 1,760,694; May 27.
- Furnace control. R. D. Bean and F. W. Side. 1,743,843; Jan. 14.
- Furnace control, Automatic. J. A. Doran. 1,773,705; Aug. 19.
- Furnace control, Automatic. H. H. Dow. 1,764,715; June 17.
- Furnace control, Method of and apparatus for. T. R. Harrison. 1,765,977; June 24.
- Furnace-controlling device. T. W. Price. 1,780,942; Nov. 11.
- Furnace conveyer. G. F. Beach. 1,763,386; June 10.
- Furnace device for enhancing combustion of fuel. F. Leszczewicz. 1,755,697; Apr. 22.
- Furnace drum. H. W. Neal. 1,768,964; July 1.
- Furnace dust, Processing. W. J. McGurty. 1,780,833; Nov. 4.
- Furnace electrodes, Regulation of. G. Keller. 1,766,648; June 24.
- Furnace for and process of heating articles. H. A. Dreffeln. 1,779,964; Oct. 28.
- Furnace for burning garbage and other refuse. H. M. Day. 1,761,878; June 3.
- Furnace for burning liquid fuel. J. E. Rutter. 1,764,528-9; June 17.

- Furnace for casting iron and other difficult fusible metals under pressure. E. Peterson. 1,758,463; May 13.
- Furnace for destroying waste. S. H. Thompson. 1,764,661; June 17.
- Furnace for reducing metals. G. C. Cox and H. K. McIntyre. 1,753,822; Apr. 8.
- Furnace for roasting sulphide and other ores. E. Bracq. 1,778,415; Oct. 14.
- Furnace for the production of aluminum. P. E. Frøland. 1,761,442; June 3.
- Furnace for the production of aluminum. E. R. Lauber. 1,769,298; July 1.
- Furnace for treating sheet metal or the like. F. Wille. 1,757,789; May 6.
- Furnace for treating zinc ores and other zinciferous material. A. Roitzheim and W. Remy. 1,755,076; Apr. 15.
- Furnace front. J. C. Johnson. 1,743,674; Jan. 14.
- Furnace gas burner. C. J. Brown. 1,754,603; Apr. 15.
- Furnace grate. W. M. Duncan. 1,753,369; Apr. 8.
- Furnace grate-bar construction. H. W. Neal. 1,756,697; Apr. 29.
- Furnace indicator. W. H. Wineman. 1,778,653; Oct. 14.
- Furnace lining. G. D. Evans. 1,775,161; Sept. 9.
- Furnace linings, Repairing. J. E. Anderson. 1,765,558; June 24.
- Furnace method, Electric. W. E. Moore. 1,763,248; June 10.
- Furnace or heater construction. H. W. West. 1,760,330; May 27.
- Furnace or heating apparatus. H. E. Robinson. 1,746,318; Feb. 11.
- Furnace or oven arches, Construction of. A. C. Ragoucy. 1,750,355; Mar. 11.
- Furnace port, Open-hearth. G. L. Danforth, jr. 1,769,493; July 1.
- Furnace preheater, Boiler. W. E. Dowd, jr. 1,744,452; Jan. 21.
- Furnace process and apparatus, Electric. A. Isliker. 1,769,223; July 1.
- Furnace process, Electric induction. A. E. Greene. 1,751,856; Mar. 25.
- Furnace resistor, Electric. F. A. Fahrenwald. 1,755,350; Apr. 22.
- Furnace rolls, Mounting of. E. B. Hudson. 1,777,921; Oct. 7.
- Furnace roof. E. P. Stevens. 1,778,776; Oct. 21.
- Furnace roof, Removable. L. S. Abbott. 1,751,675; Mar. 25.
- Furnace roofs, Making. G. E. Hilliard. 1,773,359; Aug. 19.
- Furnace setting and control. G. P. Chrysler. 1,770,463; July 15.
- Furnace structure. J. F. Booraem. 1,763,919-20; June 17.
- Furnace structure. J. W. Gates. 1,763,925; June 17.
- Furnace structure. E. Smiley. 1,764,475; June 17.
- Furnace top. H. A. Acer. 1,783,065; Nov. 25.
- Furnace wall. L. M. Beall. 1,768,732; July 1.
- Furnace wall. L. M. Beall. 1,773,339; Aug. 19.
- Furnace wall. J. C. Hobbs. 1,754,514; Apr. 15.
- Furnace wall. J. C. Hobbs. 1,772,350; Aug. 5.
- Furnace wall. J. C. Hobbs. 1,772,486; Aug. 12.
- Furnace wall. D. S. Jacobus. 1,744,165; Jan. 21.
- Furnace wall. D. S. Jacobus. 1,749,768; Mar. 11.
- Furnace wall. D. S. Jacobus. 1,771,850; July 29.
- Furnace wall. E. R. Jefferson. 1,777,922; Oct. 7.
- Furnace wall. W. F. Keenan, jr. 1,764,173; June 17.
- Furnace wall and baffle. D. S. Jacobus. 1,770,928; July 22.
- Furnace-wall blocks, Retaining means for. E. G. Bailey and R. M. Hardgrove. 1,747,614; Feb. 18.
- Furnace-wall construction. R. D. Foltz. 1,747,824; Feb. 18.
- Furnace-wall construction. F. I. Sheahan. 1,767,406; June 24.
- Furnace wall, Refractory. A. F. Hall. 1,773,729; Aug. 26.
- Furnace-wall structure. F. J. Tone. 1,775,414; Sept. 9.
- Furnace, Waste-heat boiler plant for industrial. W. Hopf. 1,743,606; Jan. 14.
- Furnace with drain. P. B. Crocker. 1,744,694; Jan. 21.
- Furnaces, Air inducer and preheater for. E. H. Swift. 1,760,183; May 27.
- Furnaces and the like, Apparatus for charging. F. C. Biggert, jr. 1,782,955; Nov. 25.
- Furnaces and the like, system of regulation and control for liquid-fuel-fired. F. F. Parker. 1,745,331; Jan. 28.
- Furnaces, Apparatus for the regulation of combustion in. C. A. Klopker. 1,757,051; May 6.
- Furnaces, Automatic charging of electric. P. L. J. Mignet. 1,784,699; Dec. 9.
- Furnaces, Checkerwork for. F. H. Loftus and T. N. Kurtz. 1,752,494; Apr. 1.
- Furnaces, Control and reversal of regenerative. G. H. Isley. 1,762,299; June 10.
- Furnaces, Control system for. E. R. L. Payne. 1,746,673; Feb. 11.
- Furnaces, Conveyor for heat-treating. C. A. Barrett. 1,753,679; Apr. 8.
- Furnaces, Draft-regulating and grate-shaking device for. V. L. Meece. 1,747,379; Feb. 18.
- Furnaces, Dumping conveyor mechanism for. F. R. Colby and A. L. Larsen. 1,749,415; Mar. 4.
- Furnaces, Fire bar for. W. J. Erdos. 1,762,655; June 10.
- Furnaces, Fire wall for. A. Lane. 1,780,303; Nov. 4.
- Furnaces, Gas seal for. J. W. Flynt. 1,779,120; Oct. 21.
- Furnaces, Material conveyer for. F. T. Cope. 1,756,584; Apr. 29.
- Furnaces, Nipple construction for boiler. J. W. Dyar. 1,749,910; Mar. 11.
- Furnaces, Operating blast. J. C. Hopkins and A. Osolin. 1,780,485; Nov. 4.
- Furnaces or boilers, Fuel-burner attachment for. J. W. Ternau. 1,746,061; Feb. 4.
- Furnaces, Process and apparatus for heating coal and other like. W. Schaefer and W. Pohl. 1,747,846; Feb. 18.
- Furnaces, Rabble for Mannheim. M. W. Banton. 1,757,286; May 6.
- Furnaces, Regulation of combustion of gases in. A. Steinbart. 1,751,893-4; Mar. 25.
- Furnaces, retorts, and the like, Apparatus for cleaning. T. P. Morrison. 1,745,703; Feb. 4.
- Furnaces, retorts, or the like, Method of and apparatus for repairing heated structures such as. A. M. Duckham. 1,780,120; Oct. 28.
- Furnaces, Reversing and controlling apparatus for regenerative heating. G. H. Isley. 1,762,300; June 10.
- Furnaces, Spiral feed conveyor for heat-treating. M. Winter. 1,754,294; Apr. 15.
- Furnaces, Stirring or poking apparatus for electric. P. L. J. Mignet. 1,778,809; Oct. 21.
- Furnaces, Tuyère for metallurgical blast. W. A. Haven. 1,747,712; Feb. 18.
- Furnaces, Winding for electric. E. F. Northrup. 1,778,398; Oct. 14.
- Furnishings, Concealable. W. C. Fain. 1,768,464; June 24.
- Furnishings, Concealable. W. C. Fain. 1,768,517; June 24.
- Furniture. C. Lyon. 1,765,766; June 24.
- Furniture. P. Newell. 1,747,480; Feb. 18.
- Furniture. A. N. Squires. 1,757,398; May 6.
- Furniture. M. Thum. 1,751,897; Mar. 25.
- Furniture, Adjustable. W. F. Rossiter. 1,758,980; May 20.
- Furniture and fabric for making the same, Imitation reed. D. Carpinella and D. Musto. 1,775,485; Sept. 9.
- Furniture, Article of. E. H. Cooley. 1,776,551; Sept. 23.
- Furniture, Article of. C. G. Snook. 1,747,493; Feb. 18.
- Furniture, Article of. N. E. Stephens. 1,780,570; Nov. 4.
- Furniture base. R. F. Taylor. 1,752,818; Apr. 1.
- Furniture brace. T. H. Wittliff. 1,760,100; May 27.
- Furniture, Built-in. L. A. Kroschel. 1,753,423; Apr. 8.
- Furniture, Built-in. W. A. Noack. 1,759,800; May 20.
- Furniture capable of being superposed, Pieces of. J. H. Porche. 1,753,623; Apr. 8.
- Furniture, Combination article of. T. Agazzi. 1,749,686; Mar. 4.
- Furniture construction, Metal. R. Bradshaw. 1,750,457; Mar. 11.
- Furniture, Convertible. C. J. Elder. 1,778,826; Oct. 21.
- Furniture, Folding. B. L. Laursen. 1,765,168; June 17.
- Furniture frame. J. Mercogliano. 1,769,593; July 1.
- Furniture, Funeral. A. A. Kermis. 1,758,116; May 13.
- Furniture glide. W. R. Darnell. 1,753,599-600; Apr. 8.
- Furniture joint. W. C. Baxter. 1,776,769; Sept. 30.
- Furniture leg. C. W. Gardner. 1,762,776; June 10.
- Furniture, Making printers' metal. A. G. Stevenson. 1,749,855; Mar. 11.
- Furniture manufacture, Wicker, cane, and reed. J. Forst. 1,765,412; June 24.
- Furniture, Metal. E. J. Card. 1,769,255; June 1.
- Furniture, Metal. J. R. Jones. 1,776,359; Sept. 23.
- Furniture pad. M. Langbaum. 1,776,188; Sept. 16.
- Furniture rest or shoe. W. F. Herold. 1,757,963; May 13.
- Furniture rest or shoe. G. F. Lewis. 1,778,859; Oct. 21.
- Furniture, Sheet-metal. L. Conrad. 1,781,718; Nov. 18.
- Furniture shoe. F. Jantzen. 1,781,951; Nov. 18.
- Furniture slide or shoe. W. F. Herold. 1,757,962; May 13.
- Furniture stand. S. Matosian. Des. 82,643; Nov. 25.
- Furniture trim and keeper. W. H. Noelting and I. Brokaw. Re17,578; Feb. 4.
- Furring device. M. B. Thrift and F. E. Planett. 1,767,565; June 24.
- Furs, fabrics, and the like, Cleaning. B. M. Savitt. 1,747,324; Feb. 18.
- Fuse. N. J. Conrad. 1,779,929; Oct. 28.
- Fuse. A. L. Eustice. 1,753,046; Apr. 1.
- Fuse. L. S. Foo. 1,754,166; Apr. 8.
- Fuse. N. C. Husted. 1,754,683; Apr. 15.
- Fuse. A. G. Steinmayer. 1,751,954; Mar. 25.
- Fuse. A. G. Steinmayer. 1,779,196; Oct. 21.
- Fuse. A. G. Steinmayer. 1,779,502; Oct. 28.
- Fuse and circuit tester, Safety. A. A. Montapert. 1,781,593; Nov. 11.
- Fuse and making same, Electric. H. T. Bussmann. 1,774,252; Aug. 26.
- Fuse and support, Self-insulated expulsion. J. E. Sumpster. 1,770,536; July 15.
- Fuse and switch box construction. C. E. Hanny. 1,744,706; Jan. 21.
- Fuse and switch, Combined electric. J. R. Tate. 1,781,990; Nov. 18.
- Fuse box. W. D. Kyle. 1,781,876; Nov. 18.
- Fuse box. A. G. Steinmayer. Des. 80,752-3; Mar. 18.
- Fuse, Cartridge. F. Thiery and H. Goetsch. 1,757,753; May 6.

- Fuse, Combination. H. M. Brayton. 1,751,616; Mar. 25.
 Fuse, Combination. A. F. Teitscheid. 1,755,279; Apr. 22.
 Fuse cut-out, Expulsion. I. S. Raymer. 1,771,735; July 29.
 Fuse cut-out for electric circuits. J. Brown and E. Barrett. 1,786,333; Dec. 23.
 Fuse cutter. J. Van Der Bogart. 1,761,760; June 3.
 Fuse device. E. G. K. Anderson. 1,744,020; Jan. 14.
 Fuse devices, Inspection and venting means for electric. F. A. Feldkamp. 1,756,022; Apr. 29.
 Fuse, Electric. H. T. Bussmann. 1,770,196; July 8.
 Fuse, Electric. W. J. John and H. Wright, Jr. 1,783,242; Dec. 2.
 Fuse, Explosionproof. W. W. Sloane. 1,765,546; June 24.
 Fuse, Expulsion. J. F. Dohrwardt. 1,756,855; Apr. 29.
 Fuse for artillery and aircraft projectiles, Percussion. L. E. Rémond. 1,781,556; Nov. 11.
 Fuse for mines or the like. H. Gruber. 1,745,758; Feb. 4.
 Fuse for projectiles. A. Adelman. 1,744,194; Jan. 21.
 Fuse for projectiles. G. E. Rogers. 1,749,088; Mar. 4.
 Fuse for projectiles. A. F. Teitscheid. 1,762,674; June 10.
 Fuse for projectiles, Combination. A. F. Teitscheid. 1,775,660; Sept. 16.
 Fuse for projectiles, Combination. H. H. Zornig and A. F. Teitscheid. 1,786,640; Dec. 30.
 Fuse for projectiles, Electric. H. Rühlmann. 1,755,023; Apr. 15.
 Fuse for rifle grenades. D. L. Woodberry. 1,770,447; July 15.
 Fuse for submarine bombs. P. Schwenke. 1,755,797; Apr. 22.
 Fuse for trench-mortar projectiles. C. H. Froelich. 1,768,678; July 1.
 Fuse, Highly-sensitive head-impact. H. Wieser. 1,758,635; May 13.
 Fuse, High-voltage. R. W. Sorensen and H. A. Barre. 1,757,397; May 6.
 Fuse indicator. J. B. Glowacki. 1,779,697; Oct. 28.
 Fuse, Magazine. L. S. Foo. 1,773,983; Aug. 26.
 Fuse, Mechanical time. F. W. Bold. 1,777,547; Oct. 7.
 Fuse, Mechanical time. P. Liebergeld. 1,752,188; Mar. 25.
 Fuse, Mechanical time. P. Liebergeld. 1,758,842; May 13.
 Fuse panel. E. J. Lang. 1,778,764; Oct. 21.
 Fuse, Percussion. N. E. Methlin. 1,750,723; Mar. 18.
 Fuse, Percussion. W. Summerbell. 1,774,043; Aug. 26.
 Fuse plug. L. J. Cahn. Re17,713; June 24.
 Fuse plug. E. B. Ekstrand. 1,782,719; Nov. 25.
 Fuse plug. L. Ludwig. 1,776,685; Sept. 23.
 Fuse plug. H. M. Muncherian. 1,766,303; June 24.
 Fuse plug and receptacle therefor, Safety. E. de Bruljn. 1,743,016; Jan. 7.
 Fuse plug, Multiple. R. T. Smith. 1,767,559; June 24.
 Fuse plug, Multiple-screw. W. J. Luse. 1,781,786; Nov. 18.
 Fuse, Projectile. C. G. Mellstrom. 1,772,613; Aug. 12.
 Fuse, Refillable. E. G. K. Anderson and N. A. Tornblom. 1,744,019; Jan. 14.
 Fuse, Refillable. J. G. Clemens. 1,761,466; June 3.
 Fuse, Refillable cartridge. J. H. Hickey. 1,773,183; Aug. 19.
 Fuse, Renewable. F. C. Lavarack. 1,755,546; Apr. 22.
 Fuse, Renewable. W. H. Schrupp. 1,761,054; June 3.
 Fuse replacer. H. A. Jones. 1,743,895; Jan. 14.
 Fuse, Safety. J. P. Ferriter and H. S. Bacon. 1,747,231; Feb. 18.
 Fuse-setting machine. H. Schuler. 1,769,861; July 1.
 Fuse structure for electric circuits. J. W. Hooley. 1,748,480; Feb. 25.
 Fuse switch. T. B. Bash. 1,769,936; July 8.
 Fuse tongs. H. D. Grinnell. 1,753,181; Apr. 1.
 Fuse, Venting. J. H. Hickey. 1,773,184; Aug. 19.
 Fuse, Warning. L. D. Gannon. 1,755,642; Apr. 22.
 Fuses for artillery projectiles, Regulating device for clock-work-operating mechanical. A. Varaud. 1,767,493; June 24.
 Fuses, Manufacturing low-tension bridge. K. Schaffler-Glössl. 1,777,916; Oct. 7.
 Fuses, Setting device for time. N. E. Methlin. 1,749,643; Mar. 4.
 Fuses to firecrackers, Fitting. H. Yamagishi. 1,745,391; Feb. 4.
 Fuselage fitting. G. Caproni. 1,785,615; Dec. 16.
 Fuselage for aeroplanes. W. K. Dwell. 1,755,211; Apr. 22.
 Fuselage frame. A. B. Stuart. 1,766,961; June 24.
 Fuselage, Metal. E. B. Carns. 1,750,834; Mar. 18.
 Fuselage or body, Metal. E. B. Carns. 1,749,757; Mar. 11.
 Gag, Mouth. C. J. Highberg and J. A. Thompson. 1,764,167; June 17.
 Gagger. G. L. Southard. 1,776,867; Sept. 30.
 Gallery for electric lamps. J. McLean. 1,767,300; June 24.
 Galley clamp. F. J. Metz. 1,750,324; Mar. 11.
 Galley, Printer's. H. E. Sloan. 1,770,590; July 22.
 Galvanic battery. LeR. S. Dunham. 1,765,137; June 17.
 Galvanic cell. G. W. Heise and C. W. Brokate. 1,786,406; Dec. 23.
 Galvanized articles, Method and apparatus for treating hot. C. A. Gibling. 1,759,450; May 20.
 Galvanized articles, Process and apparatus for treating. H. B. Newhall, H. W. Pleister, and C. A. Gibling. 1,773,495; Aug. 19.
 Galvanizer's waste, Utilization of. W. G. Waring. 1,780,323; Nov. 4.
 Galvanizing. C. Pletsch. 1,755,559; Apr. 22.
 Galvanizing machine. J. Carroll. 1,787,141; Dec. 30.
 Galvanometer, Recording. F. F. Uehling. 1,758,416; May 13.
 Gambrel. K. Wichtendahl. 1,782,082; Nov. 18.
 Game. M. Breidenbach. 1,782,254; Nov. 18.
 Game. E. Brewer. 1,751,466; Mar. 25.
 Game. L. C. Bump. 1,784,818; Dec. 16.
 Game. E. F. Calle. 1,754,738; Apr. 15.
 Game. C. F. Dougherty. 1,770,101; July 8.
 Game. O. A. Drenggitz. 1,774,360; Aug. 26.
 Game. C. E. Franklin. 1,780,071; Oct. 28.
 Game. G. W. French. 1,747,767; Feb. 18.
 Game. A. Gösser. 1,755,730; Apr. 22.
 Game. L. C. Gunderman. 1,757,998; May 13.
 Game. C. E. Mahr. 1,757,870; May 6.
 Game. M. Murray. 1,745,946; Feb. 4.
 Game. E. Naumann. 1,771,507; July 29.
 Game. J. C. Owens. 1,756,299; Apr. 29.
 Game. G. S. Parker. 1,780,038; Oct. 28.
 Game. F. J. Schippers. 1,760,287; May 27.
 Game. I. Shulman. 1,781,529; Nov. 11.
 Game. C. F. Snover. 1,765,625; June 24.
 Game. R. Walker. 1,769,726; July 1.
 Game accessory, Bridge. L. R. Ladd. 1,781,850; Nov. 18.
 Game and apparatus, Baseball. P. T. Simmons. 1,785,148; Dec. 16.
 Game and game apparatus. E. F. Barrett. 1,772,583; Aug. 12.
 Game and game piece. C. C. Harris. 1,762,269; June 10.
 Game and smoker's appliance, Combined. I. M. Whelan. Des. 82,045; Sept. 16.
 Game apparatus. G. L. Bonham. Des. 81,573; July 15.
 Game apparatus. L. B. Elliott. 1,747,065; Feb. 11.
 Game apparatus. J. R. Hoge and L. D. Soubler. 1,785,088; Dec. 16.
 Game apparatus. S. V. Holmes. 1,757,088; May 6.
 Game apparatus. F. E. Huggins. 1,773,227; Aug. 19.
 Game apparatus. E. E. Johnson. 1,784,068; Dec. 9.
 Game apparatus. T. T. Lecroy. 1,744,649; Jan. 21.
 Game apparatus. C. R. Mann. 1,783,338; Dec. 2.
 Game apparatus. J. McCullough. 1,778,952; Oct. 21.
 Game apparatus. V. D. Salter. 1,783,370; Dec. 2.
 Game apparatus. J. W. and J. A. Salter. Des. 81,759; Aug. 5.
 Game apparatus. L. D. Soubler and E. J. Carl. 1,785,150; Dec. 16.
 Game apparatus. E. R. Uchiyama. 1,754,130; Apr. 8.
 Game apparatus. C. A. Wetzel. 1,748,030; Feb. 18.
 Game apparatus. H. A. Winter. 1,749,653; Mar. 4.
 Game apparatus. F. W. Young. 1,778,410; Oct. 14.
 Game, Apparatus for playing a race. F. R. B. Whitehouse. 1,755,621; Apr. 22.
 Game apparatus, Lock-releasing. C. Fleischer. 1,757,957; May 13.
 Game board. F. Beidelstein. Des. 81,826; Aug. 19.
 Game board. M. H. Lane. Des. 81,343; June 10.
 Game board. J. Manfredi. Des. 81,294; June 3.
 Game board. F. A. Schmitz. Des. 81,407; June 17.
 Game board. F. A. Schmitz. Des. 81,555; July 8.
 Game board. A. L. Walker. 1,768,016; June 24.
 Game board, Football. J. G. Willeke. 1,777,868; Oct. 7.
 Game, Card. F. Brown. 1,779,584; Oct. 28.
 Game, Card. W. M. Morgan. 1,751,523; Mar. 25.
 Game, Combined table and amusement. F. Hernes and R. Winkler. 1,755,062; Apr. 15.
 Game device. F. W. Hynes. 1,752,089; Mar. 25.
 Game device. F. Lauterbach. 1,766,134; June 24.
 Game device. O. H. White. Des. 80,714; Mar. 11.
 Game device, Front panel of a. D. C. Rockola. Des. 81,021; Apr. 22.
 Game, Dictionary and educational. E. B. Waring. 1,755,853; Apr. 22.
 Game, Electrically-operated. A. T. Hayashi and W. C. Hyzer. Des. 81,693; July 29.
 Game, Football. E. W. Robert. 1,758,063; May 13.
 Game indicator for card tables. J. W. Morris. 1,763,475; June 10.
 Game, Marble. T. S. Hutchinson. 1,772,006; Aug. 5.
 Game or toy. G. H. Johns. 1,781,463; Nov. 11.
 Game outfit. T. C. Graham. 1,760,642; May 27.
 Game-scoring device. W. S. Shaw Van. 1,765,456; June 24.
 Game, Shooting. L. Oberndorfer. 1,783,303; Dec. 2.
 Game signaling apparatus. M. C. Schwartz. 1,759,918; May 27.
 Game, Social. W. Walss. 1,780,256; Nov. 4.
 Game table. M. Harris. Des. 82,533; Nov. 11.
 Games and amusement device. M. B. Bradt. 1,781,717; Nov. 18.
 Gang edger. W. B. Grueter. 1,782,894; Nov. 25.
 Garage. E. Geiger. Re17,568; Jan. 21.
 Garage construction. W. R. Hall. 1,784,870; Dec. 16.
 Garage construction. H. T. Randle. 1,772,110; Aug. 5.
 Garage construction. H. L. Woolfenden. 1,749,793; Mar. 11.
 Garage light, Portable. S. C. Voth. 1,750,870; Mar. 18.
 Garage, Multiple-floor. H. E. Test. 1,771,069; July 22.
 Garage press. R. E. Manley. 1,772,954; Aug. 12.
 Garage-ramp system. H. L. Smith, Jr. 1,782,369; Nov. 18.
 Garage, Storage. L. D. Cook. 1,782,410; Nov. 25.
 Garage, Storage and parking. W. P. Allred, Jr. 1,782,671; Nov. 25.

- Garbage and refuse remover, Sanitary. E. Pale. 1,749,503; Mar. 4.
- Garbage can. N. Casapallo. 1,763,756; June 17.
- Garbage can. C. James. 1,773,680; Aug. 19.
- Garbage furnace. W. H. Carrington. 1,747,816; Feb. 18.
- Garden bench. W. Hankinson. 1,769,507; July 1.
- Garden fork, Hand. H. T. Kingsbury. 1,755,651; Apr. 22.
- Garden implement. F. M. Dunn. 1,759,607; May 20.
- Garden implement. T. C. Strawn. 1,752,467; Apr. 1.
- Garden shears. H. W. Clark. 1,782,029; Nov. 18.
- Garment. R. F. Albert. 1,785,066; Dec. 16.
- Garment. B. S. De Long. 1,784,824; Dec. 16.
- Garment. G. H. Francisco. 1,759,897; May 27.
- Garment. M. E. Gale. 1,758,740; May 13.
- Garment. S. Goldstein. 1,771,253; July 22.
- Garment. M. P. Johnson. 1,783,572; Dec. 2.
- Garment. S. Labovitz. 1,752,186; Mar. 25.
- Garment. J. R. Martin. 1,748,890; Feb. 25.
- Garment. R. A. Neal. 1,775,825; Sept. 16.
- Garment. M. P. Rankin. 1,774,724; Sept. 2.
- Garment. T. E. Shaw. 1,783,485; Dec. 2.
- Garment. B. B. Skinner. 1,765,105; June 17.
- Garment. F. E. Swannstrom. 1,749,167; Mar. 4.
- Garment. S. W. Vallier. 1,766,272; June 24.
- Garment. R. R. Wellstatter. 1,747,562; Feb. 18.
- Garment accessory. R. O. Brooks. 1,762,502; June 10.
- Garment and fur steamer. H. P. Easton, jr. 1,785,619; Dec. 16.
- Garment and hood, Combined. A. F. Schrup. 1,763,375; June 10.
- Garment and seaming therefor. H. Miller. 1,784,942; Dec. 16.
- Garment. Apparel. R. M. Binswanger. 1,770,477; July 15.
- Garment, Apparel. W. Kops. 1,755,827; Apr. 22.
- Garment, Apparel. W. Kops. 1,762,399; June 10.
- Garment, Apparel. F. Simmons. 1,763,266; June 10.
- Garment attachment. O. S. Good. 1,773,456; Aug. 19.
- Garment bag. M. J. Arnaud. 1,773,565; Aug. 19.
- Garment bag. J. H. Le Montree. 1,767,466; June 24.
- Garment bag. A. Potdevin. 1,783,979; Dec. 9.
- Garment, Child's. M. C. and C. W. Masters. 1,758,081; May 13.
- Garment, Combination. J. P. Garey. 1,777,664; Oct. 7.
- Garment, Combination. M. E. McCoy. 1,781,590; Nov. 11.
- Garment, Combination. M. Werber. 1,772,298; Aug. 5.
- Garment. Double-breasted. C. G. Longnecker. Des. 82,570; Nov. 18.
- Garment drier. J. W. McCormick. 1,755,013; Apr. 15.
- Garment drier. J. Wiesman. 1,759,179; May 20.
- Garment-drying apparatus. B. Kelley. 1,769,882; July 1.
- Garment form, Adjustable. H. E. Asch. 1,744,198; Jan. 21.
- Garment form, Adjustable. M. G. Couture. 1,773,955; Aug. 26.
- Garment hanger. A. M. Adelson. 1,775,923; Sept. 16.
- Garment hanger. W. H. Allen. 1,766,275; June 24.
- Garment hanger. R. M. Amores. 1,743,950; Jan. 14.
- Garment hanger. J. H. Bartlett, jr. 1,784,569; Dec. 9.
- Garment hanger. O. B. Carter. 1,758,932; May 20.
- Garment hanger. P. S. Coles. 1,763,134; June 10.
- Garment hanger. H. A. Feizelman. 1,760,352; May 27.
- Garment hanger. J. E. Franck. 1,751,198; Mar. 18.
- Garment hanger. S. A. Goldberg. 1,783,709; Dec. 2.
- Garment hanger. T. H. Hood. 1,748,068; Feb. 25.
- Garment hanger. F. Johnson. 1,770,159; July 8.
- Garment hanger. J. S. Scharf. 1,753,667; Apr. 8.
- Garment hanger. T. Serposs. 1,758,807; May 13.
- Garment hanger. P. Shrack. 1,769,076; July 1.
- Garment hanger. P. Sinitzer. 1,765,461; June 24.
- Garment hanger. H. L. Stoyer. 1,781,991; Nov. 18.
- Garment-hanger attachment. G. E. Scruby. 1,786,923; Dec. 30.
- Garment. Hip-reducing. J. T. Rudzinski. 1,764,894; June 17.
- Garment. Knitted. M. Gross. Des. 82,743; Dec. 9.
- Garment-making machine. N. Glancola. 1,784,687; Dec. 9.
- Garment or ironing press. J. P. Daly. 1,779,920; Oct. 28.
- Garment or ironing press. E. J. Schremp and P. N. Braun. 1,782,101; Nov. 18.
- Garment press. E. D. Anderson. 1,760,679; May 27.
- Garment press. H. E. Page. 1,745,809; Feb. 4.
- Garment press. M. M. Titterington. 1,770,762; July 15.
- Garment-pressing machine. E. E. Thurston. 1,778,094; Oct. 14.
- Garment. Protective. H. A. North. 1,749,714; Mar. 4.
- Garment rack. R. Brunson. 1,779,730; Oct. 28.
- Garment rack. W. L. Evans. Des. 81,962; Sept. 9.
- Garment rack. W. L. Evans. 1,749,576; Mar. 4.
- Garment rack. W. Hensel. 1,744,382; Jan. 21.
- Garment. Sanitary. B. Becker. 1,761,609; June 3.
- Garment separator and size indicator. L. C. Miley. 1,745,942; Feb. 4.
- Garment sizer. A. Singer. 1,748,193; Feb. 25.
- Garment sleeve. J. Haspel. 1,761,886; June 3.
- Garment stand. H. L. Kratz. Des. 80,321; Jan. 14.
- Garment. Step-in combination. M. F. Robischon. 1,780,798; Nov. 4.
- Garment stretcher. L. W. Pebbles. 1,787,165; Dec. 30.
- Garment-supporting device. A. Levine. 1,776,003; Sept. 16.
- Garment, Surgical. D. B. Holcomb. 1,778,801; Oct. 21.
- Garment, Transformable. L. Botha. 1,778,712; Oct. 21.
- Garment, Woman's combination or convertible. R. Lowenbau. 1,784,369; Dec. 9.
- Garments, Extensible crotch for. H. R. Hart. 1,743,082; Jan. 7.
- Garments for women and children, Making. M. D. Neilson. Re17,903; Dec. 16.
- Garments, Making. W. H. Heaton. 1,784,285; Dec. 9.
- Garments, Producing rear vents for unlined. J. P. O'Brien. 1,767,255; June 24.
- Garter. A. W. Belcher. 1,743,805; Jan. 14.
- Garter. J. Cohen. 1,765,965; June 24.
- Garter. O. Doléjal. 1,762,472; June 10.
- Garter. W. Königsberger. 1,780,931; Nov. 11.
- Garter. M. Lederman. 1,753,125; Apr. 1.
- Garter. O. J. Smith. 1,777,865; Oct. 7.
- Garter. M. S. Weilman. 1,777,238; Sept. 30.
- Garter. B. Wolf. 1,772,274; Aug. 5.
- Garter. B. Wolf. 1,781,673; Nov. 11.
- Garter and holding device, Convertible. R. S. Scott. 1,773,872; Aug. 26.
- Garter, Cigarette-holding. H. Cohen. 1,766,604; June 24.
- Garter, Convertible. R. S. Scott. 1,773,871; Aug. 26.
- Garter, Curvilinear. J. V. Moore. 1,770,742; July 15.
- Garter grip. S. Borgnis. 1,781,431; Nov. 11.
- Garter, Man's. R. C. Eisel. 1,758,392; May 13.
- Garter, Man's. J. Jacobs. 1,760,501; May 27.
- Garter or similar article. A. G. Katsounakis. Des. 80,487; Feb. 11.
- Garter or similar article. A. G. Katsounakis. Des. 80,731; Mar. 18.
- Garter, Safety. E. A. Wangenheim. 1,779,200; Oct. 21.
- Gas aeration and charge preparation for internal-combustion engines, Exhaust-. A. Moore. 1,766,675; June 24.
- Gas-analysis apparatus, Thermal-conductivity. J. C. Peters, jr. 1,751,715; Mar. 25.
- Gas analysis, Method of and apparatus for. H. H. Dow. 1,782,032; Nov. 18.
- Gas-analyzing apparatus. E. Pick. 1,744,415; Jan. 21.
- Gas anchor and sand separator. W. J. Dunlap. 1,759,004; May 20.
- Gas and air cleaner. A. F. Jenkins. 1,746,774; Feb. 11.
- Gas and coke, Method of and apparatus for generating combustible. H. F. Smith. 1,781,766; Nov. 18.
- Gas and electricity controlling device, Automatic. J. L. Blalack. 1,755,497; Apr. 22.
- Gas and liquid contact apparatus. M. H. Kotzebue. 1,759,750; May 20.
- Gas and oil burner, Combination. E. H. Peabody. 1,743,617; Jan. 14.
- Gas and oil separator. H. D. Gray, E. Auxter, and J. A. Noble, sr. 1,756,288; Apr. 29.
- Gas and steam producer generator. J. Bellay. 1,753,847; Apr. 8.
- Gas and vapor separator. P. Benkiser. 1,763,746; June 17.
- Gas and water separator. N. H. Robinson, J. C. Browning, and L. A. Smith. 1,775,322; Sept. 9.
- Gas, Apparatus for making. F. C. Freeman. 1,777,301; Oct. 7.
- Gas. Apparatus for making illuminating and heating. J. Whikehart. 1,747,094; Feb. 11.
- Gas. Apparatus for manufacture of combustible. W. J. Murdock, E. E. Lungren, and O. B. Evans. 1,743,725; Jan. 14.
- Gas, Apparatus for the manufacture of illuminating. D. J. Young. 1,751,784; Mar. 25.
- Gas apparatus, Producer-. E. Schumacher. 1,772,819; Aug. 12.
- Gas apparatus, Water-. F. W. Steere. 1,751,497; Mar. 25.
- Gas bomb, Aerial. A. Pavola. 1,779,617; Oct. 28.
- Gas burner. F. J. Cancianich. 1,786,396; Dec. 23.
- Gas burner. R. Eickworth. 1,760,050; May 27.
- Gas burner. J. L. Glacimino. 1,782,683; Nov. 25.
- Gas burner. P. S. Harper. 1,754,388; Apr. 15.
- Gas burner. L. C. Huff. 1,765,672; June 24.
- Gas burner. H. E. Kerr. 1,761,566; June 3.
- Gas burner. H. E. Kerr. 1,781,784; Nov. 18.
- Gas burner. J. H. Koltz and E. A. Krah, jr. 1,749,385; Mar. 4.
- Gas burner. S. Lonergan. 1,753,962; Apr. 8.
- Gas burner. A. W. Machlet and P. C. Osterman. 1,742,607; Jan. 7.
- Gas burner. P. W. McCoy. 1,753,613; Apr. 8.
- Gas burner. W. F. Shutt. 1,757,847; May 6.
- Gas burner. R. Thurm. 1,778,839; Oct. 21.
- Gas burner. F. Wyatt. 1,753,141; Apr. 1.
- Gas burner. J. S. Zink. 1,781,623; Nov. 11.
- Gas burner, Adjustable and detachable. J. A. Smith and E. J. Hansen. 1,761,594; June 3.
- Gas burner, Dental. P. M. Forster. Des. 82,669; Dec. 2.
- Gas burner, Water-heater. R. C. Hoyt. 1,756,748; Apr. 29.
- Gas-burning apparatus. G. C. Carnahan. 1,756,280; Apr. 29.
- Gas burning device. J. P. Fisher, B. Greenfield, and N. M. Hutchinson. 1,758,790; May 13.
- Gas-burning equipment, Regulating apparatus for. W. J. Harris, jr. 1,762,133; June 3.
- Gas-cell material, Making. K. Huertle. 1,779,395; Oct. 21.
- Gas cleaner. C. G. Hawley. 1,743,344; Jan. 14.
- Gas-cleaning apparatus. J. H. Lawrence. 1,774,604; Sept. 2.

- Gas cock. E. W. Roberts. 1,762,195; June 10.
 Gas cock. G. E. Smith. 1,757,550; May 6.
 Gas-cock lock. H. G. Olson. 1,769,900; July 1.
 Gas connection. H. R. Klingner. 1,762,721; June 10.
 Gas constituents from gas mixtures, Recovering. M. Schroeder. 1,751,103; Mar. 18.
 Gas containing hydrogen and carbon monoxide, Manufacture of combustible. G. Wietzel. 1,751,117; Mar. 18.
 Gas-control system and thermostat therefor. A. Diodati. 1,778,314; Oct. 14.
 Gas-controlling device. R. R. Root. 1,753,968; Apr. 8.
 Gas-cooling apparatus. J. Price. 1,769,963; July 8.
 Gas, Desulphurization of. F. W. Werner and E. T. Johnston. 1,779,024; Oct. 21.
 Gas detector. R. Kraus. 1,751,279; Mar. 18.
 Gas detector, Compensated. C. A. Styer and W. M. Dann. 1,751,222; Mar. 18.
 Gas detector, Mine-. E. Heckert. 1,746,425; Feb. 11.
 Gas detectors, Head for. J. K. Mabbs. 1,756,794; Apr. 29.
 Gas detectors, Head for. J. K. Mabbs and H. C. Stelling. 1,756,793; Apr. 29.
 Gas, Diluting coke oven gas with flue. W. R. Knapp. 1,772,101; Aug. 5.
 Gas electric drive. F. E. Queeney. 1,752,931; Apr. 1.
 Gas electric power apparatus. O. E. Turner. 1,745,130; Jan. 28.
 Gas engine. R. O. McAssey. 1,745,682; Feb. 4.
 Gas-engine construction. C. S. Busque. 1,773,387; Aug. 19.
 Gas engine, Rotary. A. Blackman. 1,770,225; July 8.
 Gas engine, Sleeve-valve. C. P. Brockway and D. D. Myers. 1,764,386; June 17.
 Gas feeder. N. A. Steed. 1,755,846; Apr. 22.
 Gas-filled discharge device. F. Meyer and H. J. Spanner. 1,784,877; Dec. 16.
 Gas-filled tube. W. F. Hendry. 1,758,516; May 13.
 Gas-fired boiler. G. H. Irwin. 1,772,046; Aug. 5.
 Gas firing system. R. Thurm. 1,765,549; June 24.
 Gas fitting, Safety. O. Schwinmer. 1,759,872; May 27.
 Gas-flow-regulating apparatus. E. P. G. Wunsch. 1,768,726; July 1.
 Gas from garbage, Producing. W. C. Rath. 1,777,449; Oct. 7.
 Gas from hydrogen sulphide with production of zinc sulphide, Purifying. A. F. Kunberger. 1,759,408; May 20.
 Gas furnace. R. E. Fraser. 1,762,683; June 10.
 Gas furnace. E. A. Jones. Re17,817; Sept. 30.
 Gas furnace. C. E. Schultz. 1,752,460; Apr. 1.
 Gas generating and burning apparatus. E. A. Garrett. 1,783,564; Dec. 2.
 Gas-generating combustion engine. J. E. Johansson. 1,783,018; Nov. 25.
 Gas, Generating hydrochloric acid. G. P. Adamson. 1,764,593; June 17.
 Gas-generating system, Domestic. H. F. Smith. 1,785,820; Dec. 23.
 Gas generator. F. D. Hoffman and O. E. Cluss. 1,742,992; Jan. 7.
 Gas generator. W. G. Paquette. 1,764,974; June 17.
 Gas generator. W. G. Paquette. 1,775,372; Sept. 9.
 Gas generator. F. W. Steere. 1,764,992; June 17.
 Gas generator, Acetylene-. G. Gripp. 1,743,541; Jan. 14.
 Gas generator, Acetylene-. M. Steiner. 1,760,724; May 27.
 Gas generator and distributor. G. F. Schmidt. 1,754,773; Apr. 15.
 Gas generator, Combustible-. W. J. Murdock, E. E. Lungren, and O. B. Evans. 1,743,724; Jan. 14.
 Gas generator, Oil-. S. Held. 1,775,394; Sept. 9.
 Gas governors, Attachment for. F. P. Smith. 1,763,376; June 10.
 Gas gun. W. S. Darley. 1,772,070; Aug. 5.
 Gas-heated device. I. Cowles. 1,744,448; Jan. 21.
 Gas heater. W. A. Griswald. Des. 82,742; Dec. 9.
 Gas heater. H. Kielberg. Des. 82,891; Dec. 23.
 Gas heater. J. E. Leonard. Des. 82,946; Dec. 30.
 Gas heater. A. B. Miller and W. H. Kellner. 1,766,394; June 24.
 Gas heater. H. H. Moreton. 1,762,878; June 10.
 Gas heater. W. L. Sharp. Des. 80,749-51; Mar. 18.
 Gas heater. W. L. Sharp. Des. 80,974; Apr. 15.
 Gas heater. W. L. Sharp. 1,777,154; Sept. 30.
 Gas heater. A. L. Spangler. Des. 81,078; Apr. 29.
 Gas heater, Radiant. K. C. Farnsworth. Des. 80,610-11; Mar. 4.
 Gas heater, Radiant. H. Kielberg. Des. 82,892; Dec. 23.
 Gas heater, Radiant. J. Teller. Des. 80,337-8; Jan. 14.
 Gas heater, Self-contained automatic. A. Stockstrom. 1,742,880; Jan. 7.
 Gas heating burner. A. A. Scott, E. H. Scott, and P. R. Scott. 1,766,803; June 24.
 Gas into cables, Device for introducing. W. J. Gruene. 1,744,887; Jan. 28.
 Gas iron. C. Raditsch. 1,768,145; June 24.
 Gas lifts, Elevated central header for. H. C. Marshall. 1,756,830; Apr. 29.
 Gas liquefaction, Natural. H. Dumars. 1,747,761; Feb. 18.
 Gas, Making a fuel. J. B. Garner. 1,767,357; June 24.
 Gas-making apparatus. A. Schwarz. 1,758,858; May 13.
 Gas, Making combustible. W. W. Odell. 1,762,100; June 8.
 Gas, Making oil-. K. N. Wannebo. 1,770,563; July 15.
 Gas-making process. D. J. Young. 1,751,849; Mar. 25.
 Gas, Making producer. M. F. Chase, F. E. Pierce, and J. Skogmark. 1,761,384; June 3.
 Gas, Making producer. J. U. McDonald. 1,771,133; July 22.
 Gas, Making producer. H. Nielsen and B. Laing. 1,743,830; Jan. 14.
 Gas, Making producer. R. L. Willis. 1,758,991; May 20.
 Gas, Making uncarbureted water. D. J. Young. 1,751,502; Mar. 25.
 Gas, Making water. T. W. Stone. 1,771,067; July 22.
 Gas manufacture. F. W. Steere. 1,752,035; Mar. 25.
 Gas manufacture. F. W. Steere. 1,752,037; Mar. 25.
 Gas manufacture. F. W. Steere. 1,752,278; Mar. 25.
 Gas manufacture. D. J. Young. 1,751,503; Mar. 25.
 Gas, Manufacture of combustible. H. O. Loebell. 1,785,519; Dec. 16.
 Gas, Manufacture of producer. W. J. Murdock, E. E. Lungren, and O. B. Evans. 1,743,726; Jan. 14.
 Gas manufacture, Water-. F. W. Steere. 1,752,036; Mar. 25.
 Gas, Manufacturing water. F. Winkler. 1,776,876; Sept. 30.
 Gas mask. R. Monro. 1,762,695; June 10.
 Gas masks, Eye ring for. H. Engelhard. 1,747,764; Feb. 18.
 Gas meter. G. Meyer. 1,758,083; May 13.
 Gas meter. H. Rosenthal. 1,770,432; July 15.
 Gas meter. W. G. Rosinia. 1,773,602; Aug. 19.
 Gas meter. H. Shrisman. 1,779,901; Oct. 28.
 Gas-metering system. J. T. Wilkin and C. R. Houghton. 1,759,384; May 20.
 Gas mixer. C. T. Howson. 1,749,914; Mar. 11.
 Gas mixtures, Liquefying and separating. K. E. R. Mewes. 1,781,693; Nov. 18.
 Gas mixtures, Separation of. P. Schuftan. 1,773,012; Aug. 12.
 Gas-oil separator. G. C. Stanley. 1,757,267; May 6.
 Gas or fluid storing material. F. G. Keyes. 1,770,526; July 15.
 Gas, Oxidation of natural. E. H. Boomer. 1,776,771; Sept. 30.
 Gas plant. A. H. Buerk and H. Gschwend. 1,763,503; June 10.
 Gas plants, Backrun method of operating. G. E. Whitwell. 1,752,223; Mar. 25.
 Gas-pressure means for releasing connections. S. E. Allen and O. N. Wiswell. 1,782,022; Nov. 18.
 Gas-pressure regulator, Reduced-. V. J. B. Spies. 1,744,813; Jan. 28.
 Gas process, Producer-. H. Koppers. 1,743,717; Jan. 14.
 Gas produced under conditions of varying pressure, Utilizing fuel. A. G. McKee. 1,767,004; June 24.
 Gas producer. J. Becker. 1,757,232; May 6.
 Gas producer. A. K. Bradley. 1,782,677; Nov. 25.
 Gas producer. J. F. Rogers. 1,784,882; Dec. 16.
 Gas producer. H. F. Smith. 1,769,192; July 1.
 Gas producer. H. F. Smith. 1,772,642-3; Aug. 12.
 Gas producer. H. F. Smith. 1,781,767; Nov. 18.
 Gas producer and combined furnace. T. R. Wollaston. 1,767,952; June 24.
 Gas producers, Centralized control for. C. H. Smoot. 1,755,567; Apr. 22.
 Gas producers, Feed mechanism for. J. F. Rogers. 1,785,789; Dec. 23.
 Gas producers, Mechanical feed for. J. F. Rogers. 1,779,109; Oct. 21.
 Gas-producing apparatus. G. R. Roesch. 1,752,851; Apr. 1.
 Gas-producing apparatus. A. Seeley. 1,760,782; May 27.
 Gas, Producing enriched water. A. Schwarz. 1,745,454; Feb. 4.
 Gas, Producing water. S. J. McAuliffe. 1,780,759; Nov. 4.
 Gas production. H. F. Smith. 1,772,641; Aug. 12.
 Gas protective or breathing filter. H. Stelzner. 1,781,254; Nov. 11.
 Gas-purification process. D. L. Jacobson. 1,752,382; Apr. 1.
 Gas-purification process. C. J. Ramsburg. 1,743,479; Jan. 14.
 Gas purification. G. E. Seil. 1,786,509; Dec. 30.
 Gas purifier. Z. W. Wicks. 1,759,819; May 20.
 Gas purifier, Automobile exhaust-. K. Prazmo. 1,747,882; Feb. 18.
 Gas purifier, Electric. H. F. J. Nolze. 1,785,592; Dec. 16.
 Gas-purifying apparatus. K. Bömcke. 1,777,957; Oct. 7.
 Gas-purifying material, Producing a. E. J. Murphy. 1,771,136; July 22.
 Gas radiant heater. W. F. M. Hawe. Des. 82,029; Sept. 16.
 Gas radiant heater. A. Steffen. Des. 80,701-2; Mar. 11.
 Gas reactions, Apparatus for carrying out exothermic catalytic. H. Harter. 1,779,092; Oct. 21.
 Gas refractometer. U. Doi. 1,770,355; July 8.
 Gas regulator. W. W. Williams. 1,766,274; June 24.
 Gas reservoir. K. Jagschitz. 1,752,383; Apr. 1.
 Gas saver and carbon remover. A. H. Langman. 1,749,078; Mar. 4.
 Gas scrubber. W. A. S. Calder and W. H. Palmer. 1,752,260; Mar. 25.
 Gas scrubber. A. G. McKee. 1,778,426; Oct. 14.
 Gas-separation process. G. Claude. 1,782,287; Nov. 18.
 Gas separator. B. F. Shaughnessy. 1,767,317; June 24.
 Gas shut-off, Automatic. H. J. Murray. 1,742,213; Jan. 7.
 Gas-supply apparatus. C. F. Wallace. 1,777,986; Oct. 7.

- Gas to internal combustion engines, Mechanical device for the supply of explosible. J. Laverigne. 1,765,278; June 17.
- Gas trap. T. A. M. Petersen. 1,761,743; June 3.
- Gas-treating apparatus. G. E. Cook. 1,772,746; Aug. 12.
- Gas-treating apparatus. W. L. Spalding. 1,785,792; Dec. 23.
- Gas turbine unit. J. W. A. Elling. 1,766,886; June 24.
- Gas washer. H. Kreisinger. 1,762,338; June 10.
- Gas washer. M. Mallet. 1,743,974; Jan. 14.
- Gas washer. H. A. Strain. 1,766,267; June 24.
- Gas washer. G. W. Vreeland. 1,776,644; Sept. 23.
- Gas washer. F. H. Wagner. 1,752,045; Mar. 25.
- Gas washer for electrolytic apparatus. A. E. Knowles. 1,767,292; June 24.
- Gas-washing apparatus. A. J. Boynton. 1,744,863; Jan. 28.
- Gas-washing apparatus. E. von Maltitz. 1,767,629; June 24.
- Gas water heater. V. Mauck. 1,773,919; Aug. 26.
- Gas wells, Water drip for. C. M. Corey. 1,768,889; July 1.
- Gaseous mixtures, Burning explosive. W. M. Hepburn. 1,763,047; June 10.
- Gaseous mixtures, Control of proportions of components of. W. R. Schofield, Jr., and R. D. Milner. 1,753,319; Apr. 8.
- Gaseous mixtures, Method and apparatus for separating the constituents of. C. C. Van Nuys and J. L. Schlitt. 1,774,462; Aug. 26.
- Gaseous mixtures, Purification of. W. J. Bannister. 1,757,826; May 6.
- Gaseous mixtures, Separation of the constituents of. C. C. Van Nuys and J. L. Schlitt. 1,771,197; July 22.
- Gaseous mixtures, Separation of the constituents of. C. C. Van Nuys and J. L. Schlitt. 1,784,120; Dec. 9.
- Gaseous reactions, Method of and apparatus for conducting catalytic exothermic. R. Williams. 1,769,873; July 1.
- Gases and the like, Separation of constituents of coke-oven. J. I. Bronn and G. Fischer. 1,774,633; Sept. 2.
- Gases and vapors by solid adsorbents, Separation or recovery of. A. Godel. 1,742,247; Jan. 7.
- Gases, Apparatus and method for testing. R. B. Wasson. 1,753,675; Apr. 8.
- Gases, Apparatus for purifying. S. C. Cutler. 1,786,150; Dec. 23.
- Gases, Apparatus for rarefying. J. O. Boving. 1,743,653; Jan. 14.
- Gases, Apparatus for removing dust from. A. Modave. 1,749,920; Mar. 11.
- Gases, Apparatus for removing suspended material from. A. Nättcher and F. Seipp. 1,773,840; Aug. 26.
- Gases, Apparatus for the hot purification of. A. Joseph. 1,780,159; Nov. 4.
- Gases, Apparatus for treating. M. Aurig. 1,760,623; May 27.
- Gases, Apparatus for treating. F. W. Sperr, Jr. 1,768,162; June 24.
- Gases at high temperatures, Apparatus for the treatment of. M. Fourment. 1,763,229; June 10.
- Gases, Concentrating nitrous. J. A. Wyler. 1,765,254; June 17.
- Gases for power development, Process and apparatus for generating. W. B. Trent. 1,758,630; May 13.
- Gases for the manufacture of oxygenated organic compounds, Producing. M. Pier, M. Müller-Cunradi, G. Wietzel, and K. Winkler. 1,766,763; June 24.
- Gases from liquids, Apparatus for removing. L. D. Mills. 1,767,006; June 24.
- Gases, Head for detectors of combustible. J. K. Mabbs. Des. 80,444; Feb. 4.
- Gases, Method and apparatus for treating. A. G. McKee. 1,748,723; Feb. 25.
- Gases, Method and apparatus particularly applicable to measurements of the calorific value of combustible. H. N. Packard. 1,767,771; June 24.
- Gases, Method of and apparatus for compressing. J. Jandasek. 1,757,802; May 6.
- Gases, Method of and apparatus for liquefying. L. B. Strong. 1,780,250; Nov. 4.
- Gases, Method of and device for the regasification of liquefied. C. W. P. Heylandt. 1,747,366; Feb. 18.
- Gases of internal-combustion engines, Method and apparatus for utilizing exhaust. J. Bilsky. 1,756,897; Apr. 29.
- Gases or vapors, Method and apparatus for feeding. R. W. Lohman. 1,786,626; Dec. 30.
- Gases, Preparing compressed. C. W. P. Heylandt. 1,773,140; Aug. 19.
- Gases, Process and apparatus for purifying. E. A. Prudhomme. 1,760,522; May 27.
- Gases, Process and apparatus for the liquefaction of. C. W. P. Heylandt. 1,777,040; Sept. 30.
- Gases, Purification of. A. O. Jaeger. 1,765,869; June 24.
- Gases, Purifying rare. R. E. Miesse. 1,753,298; Apr. 8.
- Gases, Purifying. E. C. Uhlig and E. J. Murphy. 1,771,153; July 22.
- Gases, Purifying exhaust. L. Vecchio. 1,775,876; Sept. 16.
- Gases, Separating acidic. R. R. Bottoms. 1,783,901; Dec. 2.
- Gases, Separation and recovery of. R. L. Hasche. 1,758,898; May 13.
- Gases, Transferring liquefied. C. W. P. Heylandt. 1,786,159; Dec. 23.
- Gases, Treating. W. S. Allen. 1,743,700; Jan. 14.
- Gases, Treatment of furnace. J. G. Coutant. 1,773,954; Aug. 26.
- Gases, Warning means for poison. H. Lehrecke. 1,786,623; Dec. 30.
- Gassing machine. C. E. Buckley. 1,768,662; July 1.
- Gasket. C. B. Bailey. 1,771,604; July 29.
- Gasket. C. B. Bailey. 1,775,153; Sept. 9.
- Gasket. C. B. Bailey. 1,782,087; Nov. 18.
- Gasket. G. T. Balfe. 1,776,140; Sept. 16.
- Gasket. M. M. Cody. 1,786,390; Dec. 23.
- Gasket. J. G. Dickson. 1,782,870; Nov. 25.
- Gasket. C. C. Farmer. 1,782,567; Nov. 25.
- Gasket. C. R. Mastin. 1,777,443; Oct. 7.
- Gasket. F. J. Oven. 1,748,582; Feb. 25.
- Gasket. F. J. Oven. 1,768,995; July 1.
- Gasket. F. J. Oven. 1,770,548; July 15.
- Gasket. F. J. Oven. 1,779,616; Oct. 28.
- Gasket. F. E. Payne. 1,772,263; Aug. 5.
- Gasket. R. C. Schemmel. 1,765,884; June 24.
- Gasket. J. H. Victor. 1,771,596; July 29.
- Gasket. S. Wiltse. 1,743,585; Jan. 14.
- Gasket cutter. R. O. Elder. 1,746,463; Feb. 11.
- Gasket-cutting machine. J. L. Allen. 1,783,869; Dec. 2.
- Gasket for neck and closure structures, Sealing. J. S. Reid. 1,749,604; Mar. 4.
- Gasket mold, Refrigerator-. P. T. Sealey. 1,764,857; June 17.
- Gasket or jointing washer. C. H. Yates. 1,772,173; Aug. 5.
- Gasket, Packing. J. Rimmelpacher. 1,782,014; Nov. 18.
- Gasket, Reinforced lead-tipped. C. H. McCormack. 1,777,101; Sept. 30.
- Gasoline and the product thereof, Treating. A. P. Bjerregaard. 1,761,810; June 3.
- Gasoline, Apparatus for salvaging used cleaners'. W. S. Baylis. 1,751,613; Mar. 25.
- Gasoline engine, Rotary. C. R. Nixon. 1,777,932; Oct. 7.
- Gasoline engine, Triple-cam-drive. F. H. King. 1,765,237; June 17.
- Gasoline for internal-combustion engines to remove and prevent the formation of carbon, Treating commercial. M. J. Fessler. 1,749,244; Mar. 4.
- Gasoline from cracked distillate, Producing. G. P. Koch. 1,742,263; Jan. 7.
- Gasoline from lubricating oils, Device for separating. W. Schwalge. 1,757,223; May 6.
- Gasoline from natural gas, Absorption of. E. E. Ayres, Jr. 1,768,521; June 24.
- Gasoline indicator. T. M. Eynon. 1,765,008; June 17.
- Gasoline motor. C. Bradberry. 1,768,540; July 1.
- Gasoline, Purifying. W. S. Baylis. 1,766,211; June 24.
- Gasoline, Recovering natural. W. G. Laird. 1,769,698; July 1.
- Gasoline, Recovery of. H. B. Bernard. 1,743,185; Jan. 14.
- Gasoline, Restoring the quality of used. F. H. McBerty. 1,745,108; Jan. 28.
- Gasoline solvent, Apparatus for recovering. A. L. Dorfner. 1,753,881; Apr. 8.
- Gasoline station, Floating. A. Hudson. Des. 82,262; Oct. 14.
- Gasoline supply system, Vacuum. C. F. Arnold. 1,761,961; June 3.
- Gate: See—
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| Ash gate. | Level gate. |
| Automatic gate. | Material-retaining gate. |
| Crossing gate. | Pig creep gate. |
| End gate. | Railroad-crossing gate. |
| Farm gate. | Railroad gate. |
| Fence gate. | Railway gate. |
| Flood gate. | Safety gate. |
| Folding gate. | Stock gate. |
| Head gate. | Truck end gate. |
- Gate. J. W. Adams. 1,763,414; June 10.
- Gate. R. L. Burch. 1,746,189; Feb. 4.
- Gate. S. F. and A. Cangemi. 1,767,650; June 24.
- Gate. H. Spangenberg. 1,745,458; Feb. 4.
- Gate. J. S. Stringfellow. 1,757,025; May 6.
- Gate. J. A. Stripling. 1,750,066; Mar. 11.
- Gate. G. H. Thomas. 1,766,564; June 24.
- Gate. W. F. Werbe. 1,778,651; Oct. 14.
- Gate and door opening device. J. Tenbrook. 1,769,195; July 1.
- Gate and train stop, Railroad crossing. P. Fischer. 1,780,520; Nov. 4.
- Gate bolt. G. J. Rosch. 1,786,265; Dec. 23.
- Gate-fastener operator. P. Cunningham. 1,742,583; Jan. 7.
- Gate for hydraulic turbines, Wicket. E. U. Gibbs and G. A. Jessop. 1,750,400; Mar. 11.
- Gate operating and locking mechanism. J. J. Shields. 1,783,753; Dec. 2.
- Gate-operating means. F. W. Stentz. 1,767,904; June 24.
- Gate-operating mechanism. T. W. Brazell. 1,755,948; Apr. 22.
- Gate-operating mechanism. J. C. Cannon. 1,778,354; Oct. 14.
- Gate-operating mechanism. O. W. Wanke. 1,775,792; Sept. 16.
- Gate operator. D. Meinen. 1,746,270; Feb. 11.
- Gate or door opening appliance. W. J. Hammond. 1,753,512; Apr. 8.

- Gate-supporting means. J. M. Thompson. 1,748,002; Feb. 18.
- Gateway. E. Schulte. Des. 81,467; June 24.
- Gates of weirs, Regulating device for. F. Duwe. 1,744,455; Jan. 21.
- Gauge: See—
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| Air balancing gauge. | Oil gauge. |
| Air-pressure gauge. | Pop gauge. |
| Automatic gauge. | Precision gauge. |
| Blow-off gauge. | Pressure gauge. |
| Boiler gauge. | Radiator gauge. |
| Brake-pedal pressure gauge. | Retard gauge. |
| Core-bar gauge. | Rule gauge. |
| Door and frame gauge. | Saw-tooth gauge. |
| Edge gauge. | Setting gauge. |
| Engine-testing gauge. | Shingle gauge. |
| Feeler gauge. | Sluice gate. |
| Fire gauge. | Speed gauge. |
| Float gauge. | Tank gauge. |
| Float-operated gauge. | Test gauge. |
| Hinge seat gauge. | Tire gauge. |
| Hose-coupling gauge. | Tire-pressure gauge. |
| Inclined gauge. | Type gauge. |
| Lamp gauge. | Vacuum gauge. |
| Level and pressure gauge. | Valve-testing gauge. |
| Liquid-level gauge. | Vapor-pressure gauge. |
| Liquid-tank-level gauge. | Water gauge. |
| Multiple gauge. | Welt gauge. |
| | Wheel-aligning gauge. |
- Gauge. W. Ames. Des. 81,221; May 27.
- Gauge. R. J. Anschicks. 1,767,641; June 24.
- Gauge. H. W. Crowell. 1,782,002; Nov. 18.
- Gauge. E. J. Ford. 1,786,339; Dec. 23.
- Gauge. H. O. Morgan. 1,777,415; Oct. 7.
- Gauge. A. F. Peglow. 1,760,717; May 27.
- Gauge. P. E. Pulverman. 1,755,163; Apr. 15.
- Gauge. R. W. Reed. 1,783,260; Dec. 2.
- Gauge. A. F. and W. F. Shore. 1,768,639; July 1.
- Gauge and positioning or leveling attachment, Bit. M. Betancourt. 1,782,284; Nov. 18.
- Gauge and scribe, Siding. P. R. Spillman. 1,780,849; Nov. 4.
- Gauge device, Illuminating. V. K. Jones and C. Van Wyck. 1,772,007; Aug. 5.
- Gauge for adjusting brake linings. A. H. Wadell. 1,786,638; Dec. 30.
- Gauge for automobile radiators, Water. A. zur Nieden. 1,747,022; Feb. 11.
- Gauge for boilers, Liquid-level. E. Thomson. 1,759,767; May 20.
- Gauge for corn planters, Check-wire. E. A. Vernia. 1,782,948; Nov. 25.
- Gauge for door or window openings, Plastering. W. T. Mott. 1,762,664; June 10.
- Gauge for gasoline tanks, etc. H. Mossbach. 1,781,030; Nov. 11.
- Gauge for inflating tires, Automatic safety pressure. E. W. Richardson. 1,765,850; June 24.
- Gauge for liquids, Indicating. H. L. Joyce. 1,758,403; May 13.
- Gauge for looms, Starting. C. Caprio. 1,763,504; June 10.
- Gauge for measuring butter. W. H. Jones. 1,773,003; Aug. 12.
- Gauge for measuring the difference between two pressures. F. O. Hänni. 1,752,256; Mar. 25.
- Gauge for paper-cutting machines. C. O. Thorne. 1,752,125-6; Mar. 25.
- Gauge for pinions and escape wheels, Universal. E. Avila. 1,771,389; July 29.
- Gauge for pneumatic tires, Pressure. J. E. Kennedy. 1,761,130; June 3.
- Gauge for positioning chills or cores on sand molds. W. B. Robe. 1,743,933; Jan. 14.
- Gauge for proving type forms, Line-up. J. P. Flynn. 1,787,037; Dec. 30.
- Gauge for punches. L. E. Griswold. 1,750,929; Mar. 18.
- Gauge for railroad cars, Portable loading. J. Rémond. 1,784,160; Dec. 9.
- Gauge for sewing machines. A. M. Wenzel. 1,761,857; June 3.
- Gauge for sewing machines, Adjustable. A. M. Wenzel. 1,761,856; June 3.
- Gauge for sheet-edge-bending machines. W. R. Magee. 1,742,479; Jan. 7.
- Gauge for sheet-metal-edge-bending machines. W. R. Magee. 1,763,797; June 17.
- Gauge for sheet slitters and the like. P. Kruse. 1,754,955; Apr. 15.
- Gauge for shoe-stapler machines or the like. E. Dunford. 1,758,279; May 13.
- Gauge-glass fitting. G. Ernst. 1,756,184; Apr. 29.
- Gauge-glass illuminator. C. E. Wilson. 1,786,183; Dec. 23.
- Gauge glass, Water-. H. G. B. Mahon. 1,772,908; Aug. 12.
- Gauge light. G. W. Osborn. 1,749,299; Mar. 4.
- Gauge rod. M. J. Kist. 1,749,489-90; Mar. 4.
- Gauge runner. J. B., C. J., A. E., and N. A. Paluck. 1,769,305; July 1.
- Gauge stick. L. Deutsch. 1,776,942; Sept. 30.
- Gauge stick. J. T. and K. S. Nash. 1,769,533; July 1.
- Gauge structure, Taper. B. F. Small. 1,769,077; July 1.
- Gauging instrument. E. O. Looser. 1,749,980; Mar. 11.
- Gauging machine. W. H. Chapman. 1,745,318; Jan. 28.
- Gauging mechanism. Z. P. Candee. 1,783,404; Dec. 2.
- Gauging mechanism. J. M. Hothersall. 1,774,012; Aug. 26.
- Gauntlet, Aviator's. D. H. Dunne. 1,748,833; Feb. 25.
- Gear. A. M. Alexandrescu. 1,746,178; Feb. 4.
- Gear. A. M. Alexandrescu. 1,748,820; Feb. 25.
- Gear. H. D. Croft. 1,755,102; Apr. 15.
- Gear. G. A. Dalton and J. R. Dunham. 1,778,797; Oct. 21.
- Gear. G. C. Kent and R. Siegfried. 1,764,409; June 17.
- Gear. A. Mater. 1,749,828; Mar. 11.
- Gear. H. U. Mitchell. 1,750,679; Mar. 18.
- Gear. A. G. von Soden-Fraunhofen. 1,770,132; July 8.
- Gear. E. Wildhaber. 1,767,867; June 24.
- Gear, Adjustable silent. A. M. Alexandrescu. 1,755,945; Apr. 22.
- Gear, Airplane landing. T. Carroll. 1,779,801; Oct. 28.
- Gear, Airplane landing. W. B. Stout. 1,760,890; June 3.
- Gear, Airship-mooring-mast. A. Hall-Brown and E. W. Jones. 1,781,010; Nov. 11.
- Gear, Amphibian landing. J. C. Worthington. 1,769,406; July 1.
- Gear and for analogous purposes, Actuating steering. S. D. Olsen. 1,752,022; Mar. 25.
- Gear and gear box, Combined transmission. H. P. Prigg. 1,772,158; Aug. 5.
- Gear and pulley, Molded. L. Benge. 1,778,789; Oct. 21.
- Gear and rack device. E. Kinney. 1,748,555; Feb. 25.
- Gear and synchronizing the same, Sliding. N. Trbojevlch. 1,766,153; June 24.
- Gear arrangement for crank-shaping machines, unit construction and two-speed driving-. G. H. Knight. 1,762,062; June 3.
- Gear attachment for drum hoists, Reversing. W. E. Morgan. 1,760,514; May 27.
- Gear, Automatic variable-speed. E. Janik. 1,760,700; May 27.
- Gear box. R. E. C. Delevoye. 1,765,133; June 17.
- Gear-box brake. L. G. Merritt. 1,753,384; Apr. 8.
- Gear brakes, Operating alighting. W. T. Reid. 1,763,985; June 17.
- Gear case. T. H. Oppenheim and B. Selhorst. 1,748,521; Feb. 25.
- Gear casings, Oil-retaining means for. W. C. Stewart and E. Frohman. 1,748,684; Feb. 25.
- Gear-change mechanism for automotive vehicles. F. Girardi. 1,758,315; May 13.
- Gear, Change-speed. H. M. Edmunds and E. H. Waring. 1,782,756; Nov. 25.
- Gear, Change-speed. A. J. Rowledge. 1,749,264; Mar. 4.
- Gear-changing mechanism, Torque-controlled. F. W. Mayer. 1,781,761; Nov. 18.
- Gear clamp for towed automobiles, Steering-. E. W. Holmes and E. E. Cline. 1,750,599; Mar. 11.
- Gear, Combined differential and reversing. H. Drew. 1,760,839; May 27.
- Gear, Combined reverse and reduction. J. V. Petrelli. 1,768,859; July 1.
- Gear, Composite. L. T. Frederick. 1,745,571; Feb. 4.
- Gear, Composite. L. T. Frederick. 1,761,114; June 3.
- Gear, Composite. P. C. Haas. 1,765,231; June 17.
- Gear, Composite. H. R. Moyer. 1,750,278; Mar. 11.
- Gear connection for road-maintaining machines, Running-. J. R. Royer. 1,743,868; Jan. 14.
- Gear construction. A. England. 1,758,692; May 13.
- Gear construction, Steering-. E. A. Nelson. 1,748,615; Feb. 25.
- Gear-cutting machine. F. T. Swain. 1,786,551; Dec. 30.
- Gear-cutting machine. F. T. Swain and M. C. St. Clair. 1,786,552; Dec. 30.
- Gear-cutting machine, Completely automatic. H. J. White. 1,786,689; Dec. 30.
- Gear, Draft. F. B. Bell and O. R. Wikander. 1,750,455; Mar. 11.
- Gear, Draft. J. R. Cardwell and W. H. Cotton. 1,766,328; June 24.
- Gear, Draft. W. H. Cotton. 1,774,085; Aug. 26.
- Gear, Draft. W. H. Cotton. 1,755,429; Apr. 22.
- Gear, Draft. H. C. Priebe. 1,762,587; June 10.
- Gear, Draft. H. E. Tucker. 1,766,232-4; June 24.
- Gear draw works, Rotary. J. A. Young. 1,775,664; Sept. 16.
- Gear drive for cinematographic projectors. E. E. Oliver. 1,783,340; Dec. 2.
- Gear, Electric hoisting. P. Wilsing. 1,771,281; July 22.
- Gear, Electric-switch. A. Allan. 1,782,591; Nov. 25.
- Gear, Fishing. G. Newell. 1,754,567; Apr. 15.
- Gear for aeroplane engines, Speed changing and reducing. M. J. Barbarou. 1,755,804; Apr. 22.
- Gear for aeroplanes, Alighting. W. T. Reid. 1,768,631; July 1.
- Gear for aeroplanes, Landing. H. H. Phillips. 1,756,209; Apr. 29.
- Gear for aircraft, Landing. B. D. Adams. 1,776,768; Sept. 30.
- Gear for aircraft, Retractable landing. A. W. Mooney and L. H. Height. 1,774,032; Aug. 26.
- Gear for airplanes, Landing. G. H. Davis. 1,766,245; June 24.
- Gear for airplanes, Landing. C. W. Hall. 1,760,644; May 27.
- Gear for bicycles, Change-speed. J. F. Gordon. 1,773,996; Aug. 26.
- Gear for big hydraulic working machines, Distributing. E. Schottler. 1,787,328; Dec. 30.

- Gear for binders, Shock-absorbing running. J. Ergenbright. 1,779,360; Oct. 21.
- Gear for high-speed suspension cars, Running. C. Stedefeld. 1,750,064; Mar. 11.
- Gear for internal-combustion engines, Inlet-valve. E. Kägi. 1,751,240; Mar. 18.
- Gear for internal-combustion engines, Power-transmission. W. J. Still. 1,784,396; Dec. 9.
- Gear for lifeboats, Disengaging. P. B. Persson. 1,751,289; Mar. 18.
- Gear for locomotives, Drive. K. Rasmussen. 1,748,244; Feb. 25.
- Gear for locomotives, Drive. K. Rasmussen. 1,773,118; Aug. 19.
- Gear for locomotives, Driving. O. Günther. 1,756,978; May 6.
- Gear for material feeders for sewing machines, Driving. R. Mundlos. 1,762,880; June 10.
- Gear for motor-driven vehicles, Driving. L. Karlovitz. 1,761,478; June 3.
- Gear for motor vehicles, Parking. G. W. Woolley. 1,764,486; June 17.
- Gear for multiple-driven axles of motor road vehicles, Driving. E. A. Aylwin and F. R. Cowell. 1,742,889; Jan. 7.
- Gear for paper calendars, Driving. D. R. Francis. 1,767,788; June 24.
- Gear for power-driven shafts, Reversing. D. T. Scott. 1,777,899; Oct. 7.
- Gear for pumps and compressors, Valve. K. Schoene. 1,760,172; May 27.
- Gear for reciprocating engines with hydraulically-operated valves, Reversing. H. M. M. Mattern, jr. 1,763,474; June 10.
- Gear for starting internal-combustion engines, Electrical turning. F. H. Royce. 1,748,902; Feb. 25.
- Gear for starting internal-combustion engines, Electrical turning. F. H. Royce. 1,782,318; Nov. 18.
- Gear for stenographic machines, Paper-feed-driving. M. Grandjean. 1,777,968; Oct. 7.
- Gear for trains, Draft. B. S. Dickerson. 1,772,387; Aug. 5.
- Gear for turbine plants, Control. A. Meyer. 1,766,527; June 24.
- Gear for use with lowering apparatus, Releasing. L. H. Robinson. 1,756,213; Apr. 29.
- Gear for vehicles, Convertible. J. G. Raithel. 1,762,741; June 10.
- Gear for vehicles, Driving. V. Lancia. 1,770,314; July 8.
- Gear, Forward and reverse. O. Michalk. 1,780,028; Oct. 28.
- Gear, Friction. J. Arter. 1,775,479; Sept. 9.
- Gear, Friction. R. Erban. 1,750,168; Mar. 11.
- Gear, Friction. J. F. O'Connor. 1,765,875; June 24.
- Gear-generating machine. E. Finsen. 1,780,350; Nov. 4.
- Gear-grinding machine. A. J. and C. L. Ott. 1,751,753; Mar. 25.
- Gear housing, Cream-separator-. F. C. Sandstrom. 1,755,841; Apr. 22.
- Gear, Hydraulic. W. Kühn. 1,777,851; Oct. 7.
- Gear, Hydraulic. S. V. E. Taylor. 1,757,850; May 6.
- Gear, Hydraulic valve. L. A. Kauffman and W. Davis. 1,786,716; Dec. 30.
- Gear, Infinitely-variable. J. C. Lawson. 1,769,847; July 1.
- Gear, Intermittent. F. Otto. 1,748,390; Feb. 25.
- Gear-key retainer, Draft. C. S. Johnston and J. R. Alcott. 1,761,266; June 3.
- Gear, Laminated worm. A. M. Babitch. 1,761,962; June 3.
- Gear, Landing. H. C. Richardson. 1,752,395; Apr. 1.
- Gear lift for cages, Automatic stop. A. Schank and O. Bittel. 1,773,869; Aug. 26.
- Gear, Locomotive power reverse. M. H. Roberts. 1,772,289; Aug. 5.
- Gear, Locomotive valve. F. H. Benton. 1,749,408; Mar. 4.
- Gear, Locomotive valve. J. D. Purdy. 1,752,929; Apr. 1.
- Gear, Locomotive valve. V. R. Stewart. 1,781,559; Nov. 11.
- Gear-lubricant-testing machine. C. L. Knopf. 1,748,512-3; Feb. 25.
- Gear mechanism. A. M. Dellinger. 1,754,267; Apr. 15.
- Gear mechanism. C. H. Hardie. 1,777,490; Oct. 7.
- Gear mechanism, Automatic change-. R. E. Boutet. 1,751,303; Mar. 18.
- Gear mechanism, Change-. W. T. Carling. 1,786,980; Dec. 30.
- Gear mechanism for driving train-lighting generators. J. F. J. Bethenod and A. Jonet. 1,767,648; June 24.
- Gear mechanism for motor vehicles, Driving-. A. J. Evans. 1,783,780; Dec. 2.
- Gear mechanism, Power-reverse-. E. C. Karibo, E. S. Pearce, and R. W. Retterer. 1,751,277; Mar. 18.
- Gear mechanism, Reversing-. F. N. Bard. 1,780,329; Nov. 4.
- Gear mechanism, Reversing. C. C. Bertram. 1,742,946; Jan. 7.
- Gear mechanism, Reversing-. C. C. Bertram. 1,756,334; 29.
- Gear mechanism, Steering-. E. S. MacPherson. 1,754,632; Apr. 15.
- Gear, Motor-vehicle running. O. W. Fry. 1,745,088; Jan. 28.
- Gear of pumping engines, Driving. R. Meijer. 1,744,787; Jan. 28.
- Gear, particularly for half-speed shafts of internal-combustion engines, Resilient driving. F. H. Royce. 1,757,337; May 6.
- Gear, particularly for internal-combustion motors, Valve. K. G. Ostberg. 1,763,563; June 10.
- Gear, Power-transmitting and speed-regulating. J. Fraser. 1,773,985; Aug. 26.
- Gear puller. R. B. Hainsworth. 1,787,070; Dec. 30.
- Gear-reduction means. J. R. Mahan. 1,746,599; Feb. 11.
- Gear-reduction mechanism. G. H. Roch. 1,764,314; June 17.
- Gear-retaining device. D. Jacques. 1,745,932; Feb. 4.
- Gear, Retractable landing. D. J. Brimm, jr. 1,753,770; Apr. 8.
- Gear, retractable landing. V. J. Burnelli. 1,780,811; Nov. 4.
- Gear, Retractable landing. G. Loening. 1,759,197; May 20.
- Gear, Retractable landing. G. Loening. 1,759,652; May 20.
- Gear, Reversing. L. Burn. 1,760,040; May 27.
- Gear, Reversing. J. J. Keyser. 1,767,290; June 24.
- Gear, Running. J. R. Junkin. 1,757,758; May 6.
- Gear, Running. D. L. Van Leuven. 1,757,759; May 6.
- Gear, Selective reduction. C. J. Parker, W. O. Johnson, and H. C. Carter. 1,779,824; Oct. 28.
- Gear set. P. C. Day. 1,759,689; May 20.
- Gear shift. J. Blackburn. 1,764,145; June 17.
- Gear shift. A. C. Nickell, jr. 1,749,837; Mar. 11.
- Gear shift, Automatic. W. G. Jones. 1,754,212; Apr. 8.
- Gear shift, Automatic. F. E. Stone. 1,769,193; July 1.
- Gear shift, Automobile. F. S. Cartwright. 1,771,431; July 29.
- Gear-shift control. B. Gyllin. 1,762,172; June 10.
- Gear-shift levers for automobiles, Grip for. A. L. Shirley. Des. 80,697; Mar. 11.
- Gear-shift mechanism. H. E. Blood and R. Lapsley. 1,780,898; Nov. 11.
- Gear-shift mechanism. D. G. Lilley. 1,773; Aug. 19.
- Gear-shift mechanism, Direct-reading. D. C. Klausmeyer. 1,764,515; June 17.
- Gear-shift mechanism for motor vehicles. F. E. Benzing. 1,771,608; July 29.
- Gear shifter. A. M. Craig. 1,755,595; Apr. 22.
- Gear-shifting mechanism. C. J. Bock and P. L. Tenney. 1,742,749; Jan. 7.
- Gear-shifting mechanism. I. E. Coffey. 1,781,270; Nov. 11.
- Gear-shifting mechanism. F. J. Straub and J. T. Weinzierl. 1,749,962; Mar. 11.
- Gear-shifting mechanism. J. Vigliano. 1,772,764; Aug. 12.
- Gear-shifting mechanism for power transmissions. O. E. Mark. 1,750,236; Mar. 11.
- Gear, Silent steel. J. R. Dunham. 1,772,986; Aug. 12.
- Gear, Speed-changing. B. Vallance. 1,748,856; Feb. 25.
- Gear, Speed-varying. J. S. Shaw. 1,758,859; May 13.
- Gear, Spiral bevel. E. Wildhaber. 1,748,813; Feb. 25.
- Gear, Steam-valve. J. Helenberg. 1,759,399; May 20.
- Gear, Steering. W. R. Brewer. 1,773,342; Aug. 19.
- Gear substitute. A. G. Wagner. 1,743,943; Jan. 14.
- Gear synchronizer, Internal-. H. J. Murray. 1,768,856; July 1.
- Gear synchronizer, Sliding clutch-. H. J. Murray. 1,764,334; June 17.
- Gear teeth, Cutting. O. G. Simmons. 1,765,385; June 24.
- Gear teeth, Cutting. W. E. Sykes. 1,750,029; Mar. 11.
- Gear teeth, Method and apparatus for generating. O. G. Simmons. 1,752,033; Mar. 25.
- Gear-testing machine. C. H. Logue. 1,753,014; Apr. 1.
- Gear transmission. L. K. Braren. Re17,811; Sept. 23.
- Gear, Transmission. C. W. Herzog. 1,753,784; Apr. 8.
- Gear transmission. Y. Kikuchi. 1,768,850; July 1.
- Gear, Transmission. K. Maybach. Re17,707; June 24.
- Gear, Transmission. S. O. White. 1,750,292; Mar. 11.
- Gear-transmission lubrication. H. E. Altgelt. 1,762,210; June 10.
- Gear, Trawling. J-B. J. A. Vigneron. 1,785,236; Dec. 16.
- Gear unit, Detachable. I. V. K. Hott. 1,777,437; Oct. 7.
- Gear, Valve. J. H. Alter. 1,745,971; Feb. 4.
- Gear, Valve. W. S. Brown. 1,770,296; July 8.
- Gear, Valve. F. Bukove. 1,746,141; Feb. 4.
- Gear, Valve. J. S. Keen. 1,759,701; May 20.
- Gear, Valve. J. S. Keen. 1,784,729; Dec. 9.
- Gear, Valve. J. Kupka. 1,748,844; Feb. 25.
- Gear, Variable-ratio. R. Erban. 1,774,175; Aug. 26.
- Gear-Variable-speed. H. Herrmann. 1,775,460; Sept. 9.
- Gear, Variable-speed. W. Jacobs. 1,759,558; May 20.
- Gear, Variable-speed and reversing epicyclic. N. Gribbojedoff. 1,783,877; Dec. 2.
- Gear, Vehicle running. A. H. Fager. 1,763,768; June 17.
- Gear wheel. A. J. Bastian. 1,743,095; Jan. 14.
- Gear wheel. H. P. Rhett. 1,744,576; Jan. 21.
- Gear wheel, Flexible. C. Bethel. 1,751,228; Mar. 18.
- Gear wheel, Flexible. L. Hornbostel. 1,743,217; Jan. 14.
- Gear wheel with plurality of axial pitches, Single or double helical. A. Roano. 1,772,688; Aug. 12.
- Gear wheels and the like, Manufacturing nonmetallic. G. O. Small. 1,779,295; Oct. 21.
- Gearing. H. J. Caldwell. 1,763,645; June 17.
- Gearing. J. J. Coffey and C. G. Nordstrom. 1,777,292; Oct. 7.
- Gearing. W. B. Flanders. 1,742,385; Jan. 7.
- Gearing. W. E. Krotee. 1,769,957; July 8.

- Gearing, N. Trbojevich. 1,746,722; Feb. 11.
 Gearing, W. R. Uggla. 1,771,696; July 29.
 Gearing, E. Wildhaber. 1,767,866; June 24.
 Gearing, Change-speed. R. Saglionl. 1,754,697; Apr. 15.
 Gearing, Differential. W. Kirn. 1,785,091; Dec. 16.
 Gearing, Double concentric. E. R. Whitney. 1,768,225; June 24.
 Gearing, Engine starter and generator. H. Ford. 1,770,468; July 15.
 Gearing, Five-speed transmission. C. W. Jarrett and G. H. Skerrett. 1,756,123; Apr. 29.
 Gearing for conveying rotary motion. J. L. Rushton. 1,746,871; Feb. 11.
 Gearing for lathe heads, Change-speed. A. C. Getz. 1,752,249; Mar. 25.
 Gearing for laundry machines. G. W. Dunham. 1,760,123; May 27.
 Gearing for machines. W. D. Dobson. 1,781,275; Nov. 11.
 Gearing for power-driven food-mixing machines, Change-speed. F. H. Wright and E. W. Lewis. 1,775,881; Sept. 16.
 Gearing for railway cars, Brake. H. C. Priebe. 1,762,586; June 10.
 Gearing for textile printing machines. H. A. Smith, G. H. Thomson, and S. B. Stafford. 1,783,889; Dec. 2.
 Gearing for the running axles of vehicles, Power-transmission. E. C. Hatcher. 1,772,748; Aug. 12.
 Gearing for washing machines. J. Locke. 1,763,865; June 17.
 Gearing for washing machines and the like, Operating. I. H. Dunn. 1,754,548; Apr. 15.
 Gearing, Friction. T. G. Rennerfelt. 1,757,476; May 6.
 Gearing, Friction. J. H. Robertson. 1,772,593; Aug. 12.
 Gearing, Frictional. R. Erban. 1,774,176; Aug. 26.
 Gearing, Frictional. R. Erban. 1,750,167; Mar. 11.
 Gearing, Generating worm. S. I. Cone. 1,751,540; Mar. 25.
 Gearing, Hydraulic change-speed. K. Streckert. 1,779,757; Oct. 28.
 Gearing, Intermittent. C. H. Brown. 1,751,791; Mar. 25.
 Gearing, Intermittent. E. Christiansen. 1,749,663; Mar. 4.
 Gearing mechanism. H. A. Tuttle. 1,757,026; May 6.
 Gearing mechanism for washing machines. G. M. Gibson. 1,784,282; Dec. 9.
 Gearing, Planet. C. Kittilsen. 1,764,961; June 17.
 Gearing, Power-transmission. J. L. Collins. 1,757,414; May 6.
 Gearing, Power-transmission. D. R. Scholes. 1,749,892; Mar. 11.
 Gearing, Reduction. C. L. Hawes. 1,786,158; Dec. 23.
 Gearing, Speed-reduction. W. Heap. W. G. Read, J. Barnes, and G. N. Kermod. 1,770,035; July 8.
 Gearing, Toothed. H. D. Williams. 1,746,571; Feb. 11.
 Gearing, Transmission. C. E. F. Ahlm. 1,758,386; May 13.
 Gearing, Transmission. C. E. F. Ahlm and G. M. Soule. 1,753,398; Apr. 8.
 Gearing, Transmission. W. A. McCarrell. 1,774,806; Sept. 2.
 Gearing, Transmission. W. D. Starrett. 1,786,319; Dec. 23.
 Gearing, Transmission. H. W. Sweet. 1,774,160; Aug. 26.
 Gearing, Transmission. V. Valletta. 1,773,288; Aug. 19.
 Gearing, Two-speed. M. B. Morgan. 1,761,308; June 3.
 Gearing, Valve. H. T. Thomas. 1,784,257; Dec. 9.
 Gearing, Variable-speed. J. P. Remington. 1,754,485; Apr. 15.
 Gearing, Variable-speed. J. P. Remington. 1,760,850; May 27.
 Gearing, Variable-speed. J. P. Remington. 1,768,489; June 24.
 Gearing, Variable-speed transmission. R. S. Jacobsen. 1,770,408; July 15.
 Gearing, Variable-speed transmission. L. K. Murray. 1,777,103; Sept. 30.
 Gearing, Worm. N. Trbojevich. 1,759,968; May 27.
 Gears, Apparatus for finishing. W. E. Hoke. 1,749,704; Mar. 4.
 Gears, etc., and method of manufacture. Silent. G. H. Clark. 1,776,619; Sept. 23.
 Gears, Forming. E. Wildhaber. 1,759,333; May 20.
 Gears, Laying out. J. L. Perkins. 1,763,177; June 10.
 Gears, Method and apparatus for making. W. E. Hoke. 1,749,670; Mar. 4.
 Gears, Method and machine for producing tapered. E. Wildhaber. 1,771,239; July 22.
 Gears, Method of and apparatus for cutting toothed. P. Böttcher, jr. 1,750,384; Mar. 11.
 Gears, Method of and apparatus for generating helical. O. G. Simmons. 1,767,191; June 24.
 Gears, Method of and apparatus for generating tapered. O. G. Simmons. 1,757,573; Jan. 28.
 Gears, Self-oiling centralized change. D. C. Klausmeyer. 1,763,713; June 17.
 Gears, Truing. A. W. Copland and M. I. Mathewson. 1,781,884; Nov. 25.
 Gel and preparing same. E. B. Miller and G. C. Connolly. 1,772,055; Aug. 5.
 Gels, Making. E. B. Miller. 1,773,273; Aug. 19.
 Gelatin-band spindle. E. E. McNally. 1,742,270; Jan. 7.
 Gelatin, Preparation of. A. Pansky. 1,761,362; June 3.
 Gelatin product and manufacturing same. O. Haavards-holm. 1,770,573; July 15.
 Gelatin-sheet copying machine. W. E. Williams. 1,756,578; Apr. 29.
 Gem, Composite. F. d'Esposito. 1,745,607; Feb. 4.
 Gem setting. H. G. Kaufman. Des. 80,895; Apr. 8.
 Generating machine, Gear. E. R. Fellows. 1,743,335; Jan. 14.
 Generating plant operated by windmill power, Electric. L. Constantin. 1,778,793; Oct. 21.
 Generating steam by the burning of fuel in suspension, Apparatus for. J. Van Brunt. 1,780,283; Nov. 4.
 Generating unit and making the same, Radiant-energy. W. Hudson. 1,767,586; June 24.
 Generator: See—
 Acetylene generator. Pressure generator.
 Current generator. Steam generator.
 Electric generator. Steam or vapor generator.
 Engine-driven generator. Tube generator.
 Fluid generator. Vacuum-tube generator.
 Foam generator. Voltage generator.
 Gas generator. Water and steam genera-
 Hydrogen generator. tor.
 Motor generator. Water-power generator.
 Oscillation generator. Wave generator.
 Power generator.
 Generator. H. Ford. 1,784,624; Dec. 9.
 Generator and battery protective means. E. R. Slagle. 1,757,486; May 6.
 Generator and burner, Combined gas. J. E. Evans. 1,745,363; Feb. 4.
 Generator and circuit and control of auxiliaries therefor, Alternating-current. F. W. Gay. 1,744,879; Jan. 28.
 Generator and draft control for locomotive fire boxes, Steam. J. J. Reardon and C. T. Chaka. 1,778,983; Oct. 21.
 Generator and water heater, Steam. T. Clarkson. 1,755,949; Apr. 22.
 Generator, burner, and illuminating appliance, Combined gas. J. E. Evans. 1,773,132; Aug. 19.
 Generator control. R. D. Lowe. 1,771,798; July 29.
 Generator-controlling mechanism, Steam-. R. L. Jewell. 1,764,453; June 17.
 Generator-cover band. W. F. Bouché and E. H. Blattner. 1,759,035; May 20.
 Generator drive, Back-geared. D. S. Barrows. 1,774,164; Aug. 26.
 Generator drive for railroad cars and the like. C. W. Dake. 1,751,621; Mar. 25.
 Generator for hydrocarbon engines, Explosive-fuel-mixture. J. W. Ingleton. 1,749,030; Mar. 4.
 Generator for motor-vehicle heaters, Steam. J. H. Gould. 1,770,980; July 22.
 Generator for welding or the like, Electrical. H. L. Maher and W. A. Andrews. 1,778,640; Oct. 14.
 Generator frequency control. W. A. MacDonald. 1,776,592; Sept. 23.
 Generator mounting and drive. T. S. Cole. 1,751,577; Mar. 25.
 Generator of short electric waves. A. Essau. 1,750,000; Mar. 11.
 Generator or producer. E. Schumacher. 1,781,765; Nov. 18.
 Generator or water heater, Steam. H. J. Fountain. 1,748,935; Feb. 25.
 Generator plant, Prime-mover-. R. A. Beckman. 1,776,716; Sept. 23.
 Generator-regulating system. J. T. Fitzsimmons and J. White. 1,761,524; June 3.
 Generator system, Harmonic. H. O. Storm. 1,779,198; Oct. 21.
 Generator system, Vacuum-tube-. H. Chireix. 1,776,381; Sept. 23.
 Generators, Apparatus for regulating alternating-current. R. D. Booth. 1,742,633; Jan. 7.
 Generators, Discharge cone for gas. H. H. Wönnig. 1,781,040; Nov. 11.
 Generators, Exciting means for direct-current. A. Ytterberg and I. Herlitz. 1,787,028; Dec. 30.
 Generators, Fuel charger for gas. F. B. Hayes. 1,787,248; Dec. 30.
 Generators, Regulating the frequency of alternating-cur-rent. W. G. Cady. 1,742,752; Jan. 7.
 Generators, Regulating the operation of steam. S. Löffler. 1,770,489; July 15.
 Geographical globes and the like, Method of and appa-ratus for shaping gores for. E. Massey. 1,779,044; Oct. 21.
 Geophysical exploration, System and method for. F. Rieber. 1,782,445; Nov. 25.
 Germicidal compound. J. M. Gray. 1,767,667; June 24.
 Gill boxes, Front fluted drawing roll for. S. Hadfield and G. J. Bucklitch. 1,784,140; Dec. 9.
 Gln rib. J. J. Wallace. 1,786,972; Dec. 30.
 Girder. J. C. Meem. 1,759,057; May 20.
 Girder, Light-weight. L. Dürr. 1,746,344; Feb. 11.
 Girt construction for compression-type derricks. C. W. Lynch. 1,760,154; May 27.
 Gladstone bag. H. Warren. 1,769,976; July 8.
 Gland. G. C. Taylor. 1,779,055; Oct. 21.
 Glare and dazzle of an opposing light, Reducing. W. J. Whiting. 1,768,814; July 1.
 Glare-hazard-reducing device for vehicles. F. S. Gillespie. 1,777,520; Oct. 7.
 Glare-preventing device. S. E. Talbot. 1,773,245; Aug. 19.

- Glare protector. C. F. Cox. 1,766,884; June 24.
 Glare shield. P. J. Groenenstein. 1,786,011; Dec. 23.
 Glare shield, Automobile. H. A. Peterson. Re17,735; July 15.
 Glare shield, Automobile. F. C. Ryder. 1,764,856; June 17.
 Glare-shield device for automobiles. W. H. Burtis and M. S. Howard. 1,765,566; June 24.
 Glare shield for automobile headlight bulbs. E. H. Arnold. 1,761,974; June 3.
 Glare shields, Operating mechanism for. C. W. Woodhead. 1,750,450; Mar. 11.
 Glass: See—
 Absorption glass. Optical glass.
 Cover glass. Reading glass.
 Gauge glass. Screening glass.
 Heat-resisting glass. Ultraviolet - transmitting
 Laminated glass. glass.
 Glass. B. Long. 1,776,562; Sept. 23.
 Glass and apparatus therefor, Sealing laminated. T. H. P. Farr, Jr. 1,746,826; Feb. 11.
 Glass and making same, Translucent laminated. J. A. Reece. 1,748,080; Feb. 25.
 Glass and producing it. B. Long. 1,749,823; Mar. 11.
 Glass and producing same, Laminated. J. W. H. Randall. 1,748,079; Feb. 25.
 Glass and producing the same, Laminated. W. E. Nobbe. 1,751,051; Mar. 18.
 Glass and the like, Apparatus for melting. W. A. Morton. 1,760,371; May 27.
 Glass and the like, Method and apparatus for melting. R. L. Frink. 1,751,987; Mar. 25.
 Glass-annealing leer. P. Q. Williams. 1,773,383; Aug. 19.
 Glass, Apparatus and method for drawing. A. E. Spinasse. 1,755,523; Apr. 22.
 Glass, Apparatus and process for flattening. J. Arrault and L. Deschamps. 1,776,574; Sept. 23.
 Glass, Apparatus for and method of drawing flat sheet. A. E. Spinasse. 1,777,584; Oct. 7.
 Glass, Apparatus for cutting and beveling. S. R. Spatenga. 1,770,498; July 15.
 Glass, Apparatus for cutting sheet. C. A. Rowley. 1,785,496; Dec. 16.
 Glass, Apparatus for delivering charges of molten. L. D. Soubier. 1,778,775; Oct. 21.
 Glass, Apparatus for delivering molten. K. E. Peiler. 1,756,492; Apr. 29.
 Glass, Apparatus for drawing sheet. H. L. Halbach. 1,753,291; Apr. 8.
 Glass, Apparatus for drawing sheet. J. A. Watt. 1,754,844; Apr. 15.
 Glass, Apparatus for feeding molten. K. E. Peiler. 1,760,254; May 27.
 Glass, Apparatus for forming sheet. J. L. Drake. 1,761,195; June 3.
 Glass, Apparatus for forming sheet. N. Franzen. 1,749,332; Mar. 4.
 Glass, Apparatus for gathering. K. E. Peiler. 1,785,209; Dec. 16.
 Glass, Apparatus for grinding and/or polishing. F. B. Waldron. 1,755,140; Apr. 15.
 Glass, Apparatus for making composite. J. H. Fox and W. Owen. 1,765,829; June 24.
 Glass, Apparatus for making composite. J. H. Fox and W. Owen. 1,775,123; Sept. 9.
 Glass, Apparatus for making composite. J. H. Sherts. 1,783,985; Dec. 9.
 Glass, Apparatus for making laminated. H. K. Hitchcock. 1,777,643; Oct. 7.
 Glass, Apparatus for making plate. C. D. Davis and E. L. Yewell. 1,746,695; Feb. 11.
 Glass, Apparatus for making plate. F. Gelstharp. 1,771,213; July 22.
 Glass, Apparatus for making plate. F. Gelstharp. 1,775,125; Sept. 9.
 Glass, Apparatus for making sheet. H. F. Hitner. 1,761,342; June 3.
 Glass, Apparatus for manufacturing sheet. H. Müllensiefen. 1,769,451; July 1.
 Glass, Apparatus for producing sheet. H. E. Allen. 1,772,448; Aug. 12.
 Glass, Apparatus for producing sheet. J. L. Drake. 1,762,508; June 10.
 Glass, Apparatus for serving. H. Brooke. 1,776,538; Sept. 23.
 Glass, Apparatus for severing composite. N. J. Penning. 1,771,510; July 29.
 Glass, Apparatus for shaping articles of. D. L. Middendorf. 1,775,965; Sept. 16.
 Glass, Apparatus for use in the manufacture of laminated. G. W. Kretschmar. 1,762,722; June 10.
 Glass apparatus, Sheet-. L. Mambourg. 1,759,235-6; May 20.
 Glass apparatus, Sheet-. J. W. Wildermuth. 1,761,763; June 3.
 Glass apparatus, Sheet-. M. Zadorozny. 1,753,766; Apr. 8.
 Glass article, Laminated. M. C. Heaton. 1,787,371; Dec. 30.
 Glass articles, Forming thin-walled. T. H. Sloan. 1,785,535; Dec. 16.
 Glass articles, Fortifying frosted. R. D. Smith. 1,772,965; Aug. 12.
 Glass articles, Frosting. R. D. Smith. Re17,682; May 27.
 Glass articles, Making blown-. L. D. Soubier. 1,778,735; Oct. 21.
 Glass articles, Manufacture of blown-. S. Hunt. 1,781,233; Nov. 11.
 Glass articles, Method and apparatus for forming. D. L. Middendorf. 1,775,964; Sept. 16.
 Glass articles, Method and apparatus for making blown-. K. Fuwa. 1,770,335; July 8.
 Glass blanks, Method of and apparatus for assembling. E. H. Rohl. 1,786,456; Dec. 30.
 Glass-blowing machine. H. Hillmann. 1,761,665; June 3.
 Glass-blowing machine. L. D. Soubier. 1,764,360; June 17.
 Glass bodies, Method and apparatus for coloring thin. E. A. Zeh. 1,767,108; June 24.
 Glass-cleaning device. T. C. Homiller. 1,783,506; Dec. 2.
 Glass-clearing device. A. W. Becker. 1,778,882; Oct. 21.
 Glass, Cooled roll for producing sheet. J. L. Drake. 1,763,689; June 17.
 Glass coolers, Operating sheet-. J. L. Drake. 1,759,226-7; May 20.
 Glass cutter. A. Vollm. 1,750,913; Mar. 18.
 Glass-cutting apparatus. A. M. Mazer. 1,764,966; June 17.
 Glass, Cutting apparatus for sheet. C. A. Rowley. 1,755,365; Apr. 22.
 Glass-cutting device. I. G. Fowler. 1,762,575; June 10.
 Glass, Cutting laminated. P. A. McCullough. 1,752,567; Apr. 1.
 Glass, Cutting sheet. L. von Reis. 1,765,552; June 24.
 Glass, Delivering and shaping molten. G. E. Howard. 1,763,968; June 17.
 Glass, Device for cutting sheet. L. Von Reis. 1,747,270; Feb. 18.
 Glass-drawing machine. B. F. France. 1,778,590; Oct. 14.
 Glass, Drawing sheet. J. L. Drake. 1,761,198; June 3.
 Glass, Drawing sheet. C. A. Rowley. 1,761,234-5; June 3.
 Glass, Drawing sheet. C. A. Rowley and J. A. Reece. 1,785,497; Dec. 16.
 Glass edge-forming means, Sheet-. L. Mambourg. 1,753,749; Apr. 8.
 Glass-fabricating machine. R. F. Hatch. 1,745,794; Feb. 4.
 Glass-fabricating mechanism. E. O. Hiller. 1,753,655; Apr. 8.
 Glass feeder. L. D. Soubier. 1,750,973; Mar. 18.
 Glass feeder. L. D. Soubier. 1,759,209; May 20.
 Glass-feeding apparatus. E. T. Ferngren. 1,750,998; Mar. 18.
 Glass, Feeding molten. K. E. Peiler. 1,755,792; Apr. 22.
 Glass, Feeding molten. K. E. Peiler. 1,756,493; Apr. 29.
 Glass, Feeding molten. K. E. Peiler. 1,770,994; July 22.
 Glass, Feeding molten. K. E. Peiler. 1,773,544; Aug. 19.
 Glass, Feeding molten. K. E. Peiler. 1,781,340; Nov. 11.
 Glass for drink mixers, Combined mixing and serving. J. H. Karlson. 1,754,560; Apr. 15.
 Glass for sealing, Preparing composite. J. H. Sherts. 1,785,099; Dec. 16.
 Glass-forming machine. R. La France. 1,764,268; June 17.
 Glass-forming machine. L. D. Soubier. 1,764,361; June 17.
 Glass from forming devices, Apparatus for conveying. L. Boudin. 1,767,913; June 24.
 Glass from forming devices, Method and apparatus for conveying. L. Boudin. 1,767,914; June 24.
 Glass-gob cutter. C. H. Schmalz. 1,747,087; Feb. 11.
 Glass-handling apparatus. W. Owen. 1,751,712; Mar. 25.
 Glass-handling apparatus, Sheet-. J. L. Drake. 1,761,199; June 3.
 Glass-handling device, Sheet-. J. P. Crowley. 1,761,193; June 3.
 Glass-handling mechanism, Sheet-. V. M. Dorsey. 1,782,716; Nov. 25.
 Glass in strip form and apparatus therefor, Cooling and annealing of. E. B. Le Mare. 1,744,478; Jan. 21.
 Glass knobs, Method of and apparatus for silvering. G. Glandel. 1,747,704; Feb. 18.
 Glass leer, Sheet-. K. G. Kutchka. 1,771,180; July 22.
 Glass machine. M. Jaeger. 1,761,792; June 3.
 Glass, Making composite. W. Owen. 1,771,416; July 29.
 Glass, Making laminated. W. E. Nobbe. 1,751,052; Mar. 18.
 Glass, Making laminated. J. H. Sherts and R. E. Hamill. 1,781,084; Nov. 11.
 Glass, Manufacture of silvered. L. Offenbacher. 1,770,991; July 22.
 Glass, Manufacture of splinterless. J. Jeffray. 1,782,852; Nov. 25.
 Glass-melting furnace. W. F. Brown. 1,744,359; Jan. 21.
 Glass, Method and apparatus for annealing sheet. J. L. Drake. 1,748,116; Feb. 25.
 Glass, Method and apparatus for conveying strips, sheets, or plates of. S. Werotte. 1,767,907; June 24.
 Glass, Method and apparatus for drawing sheet. J. L. Drake. 1,753,743; Apr. 8.
 Glass, Method and apparatus for drawing sheet. J. L. Drake. 1,759,229; May 20.
 Glass, Method and apparatus for drawing sheet. E. F. Ferngren. 1,781,452; Nov. 11.
 Glass, Method and apparatus for forming sheet. J. C. Blair. 1,753,768; Apr. 8.
 Glass, Method and apparatus for increasing the production of. F. C. Flint. 1,764,832; June 17.
 Glass, Method and apparatus for making sheet. W. L. Monro. 1,782,972; Nov. 25.

- Glass, Method and apparatus for producing plate. J. L. Drake. 1,744,372; Jan. 21.
- Glass, Method and apparatus for producing tubular. L. D. Soubier. 1,750,971; Mar. 18.
- Glass, Method and apparatus for severing molten. G. R. Haub. 1,748,550; Feb. 25.
- Glass, Method and apparatus for severing molten. G. R. Haub. 1,775,199; Sept. 9.
- Glass, Method and apparatus for the manufacture of sheet. C. P. Byrnes. 1,786,892; Dec. 30.
- Glass, Method and machine for rolling plate. L. von Reis. 1,770,443; July 15.
- Glass, Method of and apparatus for drawing sheet. V. E. Hofmann. 1,760,499; May 27.
- Glass or similar article, Sherbert. F. S. Trumbull. Des. 82,194; Sept. 30.
- Glass or the like, Window. A. B. Smedley. 1,748,587; Feb. 25.
- Glass plate, Coated. C. Grambach. 1,766,509; June 24.
- Glass-plate-feed track. R. Genenger. 1,767,922; June 24.
- Glass plate or article of similar nature. T. C. Heisey. Des. 82,887; Dec. 23.
- Glass plate, Transparent. H. B. Higgins. 1,771,378; July 22.
- Glass plates, Grinding and polishing. M. Bicheroux. 1,778,288; Oct. 14.
- Glass plates, Removing defects of joiner from composite. J. H. Sherts and W. O. Lytle. 1,755,274; Apr. 22.
- Glass-polishing apparatus. C. Heuze. 1,746,472; Feb. 11.
- Glass-polishing apparatus, Plate. F. Merian and J. W. Cruikshank. 1,782,475; Nov. 25.
- Glass-polishing machine. W. E. Porter. 1,758,534; May 13.
- Glass-polishing pads, Apparatus for cleaning. H. M. Black. 1,759,820; May 20.
- Glass-polishing solution and method of polishing glass. I. Meth. 1,777,321; Oct. 7.
- Glass, Preventing the weathering (especially clouding, tarnishing, and lustering) of the surface of. K. Kamita. 1,782,169; Nov. 18.
- Glass, Process and apparatus for annealing. E. T. Ferngren. 1,744,377; Jan. 21.
- Glass, Process and apparatus for forming sheet. J. L. Drake. 1,772,072; Aug. 5.
- Glass, Process and apparatus for making composite. A. L. Harrington. 1,777,642; Oct. 7.
- Glass, Process and apparatus for polishing plate. H. K. Hitchcock. 1,771,408; July 29.
- Glass, Process and apparatus for producing molten. J. L. Drake. 1,759,228; May 20.
- Glass, Process and apparatus for producing sheet. J. L. Drake. 1,761,200; June 3.
- Glass, Process and apparatus for producing sheet. F. Fraser. 1,761,204; June 3.
- Glass, Process and apparatus for producing sheet. O. C. Miller. 1,787,391; Dec. 30.
- Glass, Process and apparatus for producing sheet or plate. J. L. Drake. 1,748,115; Feb. 25.
- Glass, Process and apparatus for the manufacture of. C. Heuze. 1,780,590; Nov. 4.
- Glass, Process for preventing weathering of. R. C. Matlock, jr. 1,760,427; May 27.
- Glass, Producing laminated. W. F. Brown. 1,761,770; June 3.
- Glass, Producing sheet. E. T. Ferngren. 1,753,779; Apr. 8.
- Glass, Production of sheet. P. F. Gutmann. 1,777,669; Oct. 7.
- Glass purification. G. C. Cox and H. K. McIntyre. 1,785,888; Dec. 23.
- Glass retaining means for headlights. L. A. Darling. 1,768,747; July 1.
- Glass-ribbon-feeding apparatus and method. S. F. Parham. 1,766,680; June 24.
- Glass-rolling machine. H. B. Holt. 1,767,131; June 24.
- Glass, Separation of laminated. N. Edwards. 1,772,800; Aug. 12.
- Glass shade for a lighting fixture or article of similar nature. F. W. Roettges. Des. 81,847; Aug. 19.
- Glass sheets, Apparatus for separating. C. H. Wright. 1,765,814; June 24.
- Glass sheets, Apparatus for severing. H. F. Hitner. 1,777,644; Oct. 7.
- Glass sheets, Apparatus for severing the edges of. H. L. Halbach and D. R. Limbers. 1,744,046; Jan. 21.
- Glass sheets, Manufacture of. L. Boudin. 1,749,798; Mar. 11.
- Glass sheets, Process and apparatus for severing. H. L. Halbach. 1,744,045; Jan. 21.
- Glass-surfacing apparatus, Sheet. J. P. Crowley. 1,748,112; Feb. 25.
- Glass-surfacing apparatus, Sheet. J. L. Drake. 1,761,196; June 3.
- Glass-surfacing apparatus. J. L. Drake. 1,767,123; June 24.
- Glass-surfacing apparatus. A. E. Evans. 1,771,404; July 29.
- Glass-surfacing table, Sheet. W. H. Powlesson. 1,761,746; June 3.
- Glass tank. G. W. Batchell. 1,780,164; Nov. 4.
- Glass tank. L. Mambourg. 1,751,045; Mar. 18.
- Glass-tank furnace. W. F. Brown. 1,761,190; June 3.
- Glass tubing, Apparatus for making. H. Y. Norwood. 1,770,005; July 8.
- Glass tubing, Drawing. G. E. Howard. 1,766,638; June 24.
- Glass tubing, Method and apparatus for forming. L. D. Soubier. 1,750,972; Mar. 18.
- Glass vessels containing mercury, Device for protecting the exhausting socket of vacuum. E. Schott. 1,777,861; Oct. 7.
- Glassware-annealing leer. A. N. Cramer. 1,763,223; June 10.
- Glassware-annealing leer. A. N. Cramer. 1,771,876; July 29.
- Glassware-annealing leer. P. Q. Williams. 1,783,208; Dec. 2.
- Glassware, Apparatus for annealing. G. E. Howard. 1,756,244; Apr. 29.
- Glassware, Apparatus for annealing. T. Wardley and H. V. E. M. Renn. 1,754,193; Apr. 8.
- Glassware, Apparatus for blowing thin-wall. J. W. Lynch. 1,766,135; June 24.
- Glassware, Apparatus for cleaning. V. S. Mackres. 1,767,537; June 24.
- Glassware, Apparatus for handling. G. E. Howard. 1,767,669; May 20.
- Glassware, Apparatus for handling. W. S. Mayers. 1,755,404; Apr. 22.
- Glassware, Apparatus for handling. J. E. Schroder. 1,783,939; Dec. 2.
- Glassware, Apparatus for handling. D. B. Westin. 1,766,573; June 24.
- Glassware, Apparatus for handling. D. B. Westin and H. W. Ingle. 1,766,574; June 24.
- Glassware, Apparatus for making articles of. R. C. Cobel. 1,774,871; Sept. 2.
- Glassware, Forming. M. A. Smith. 1,766,555; June 24.
- Glassware-forming apparatus. F. O'Neill. 1,758,085; May 13.
- Glassware-forming machine. S. L. Hewitt. 1,764,166; June 17.
- Glassware-forming machines. L. D. Soubier. 1,783,201; Dec. 2.
- Glassware, Method and apparatus for making articles of. R. J. Beatty. 1,781,565; Nov. 11.
- Glassware, Method and apparatus for manufacturing. W. S. Williams and D. L. Middendorf. 1,778,743; Oct. 21.
- Glassware, Manufacture of stemmed and footed. V. O. Cornwell. 1,775,632; Sept. 16.
- Glassware, Method of and apparatus for making hollow blown. R. W. Canfield. 1,756,813; Apr. 29.
- Glassware-shaping machines, Multiple press head for. C. S. Budd. 1,756,728; Apr. 29.
- Glassware, Transferring. T. F. Lamb. 1,771,641; July 29.
- Glass width-maintaining device, Sheet. L. Mambourg. 1,761,219; June 3.
- Glass withdrawn from a tank, Process and apparatus for regulating the temperature of. H. F. Hitner. 1,783,473; Dec. 2.
- Glassworking apparatus. M. A. Steelman. 1,784,763; Dec. 9.
- Glass-working tank. L. D. Soubier. 1,771,864; July 29.
- Glass-working tank. L. D. Soubier. 1,771,904; July 29.
- Glasses in photographic or cinematographic apparatus, Arrangement for holding object. A. L. V. C. Debrie. 1,777,257; Sept. 30.
- Glaucinite, Improving. H. Kriegsheim and W. Vaughan. 1,757,373; May 6.
- Glaucinite, Obtaining pure. H. Kriegsheim and W. Vaughan. 1,757,374; May 6.
- Glazier's point. F. Newquist. 1,764,882; June 17.
- Glazier's-point driver. G. Hubbard, C. J. Fancher, H. A. Sévigné, and R. A. Johnson. 1,744,700; Jan. 21.
- Glazing clip. L. V. Sullivan. 1,780,852; Nov. 4.
- Glazing construction. G. W. Thomas. 1,763,275; June 10.
- Glide. C. W. White. 1,753,976; Apr. 8.
- Glider. D. M. Lillibridge. 1,766,028; June 24.
- Glider. J. A. Roché. 1,779,855; Oct. 28.
- Glider, Hydropneumatic. R. Haugan. 1,750,593; Mar. 11.
- Glider plane. J. C. Yecker. 1,787,297; Dec. 30.
- Glider, Unicycle. J. Szakacs. 1,777,941; Oct. 7.
- Globe. E. L. Silverman. Des. 80,293; Jan. 7.
- Globe. E. L. Silverman. Des. 82,397; Oct. 28.
- Globe and support therefor, Gasoline-service-station. E. A. Gillinder. 1,758,660; May 13.
- Globe for a lighting fixture. C. F. Haas. Des. 82,497; Nov. 11.
- Globe for inclosed lighting units. P. Parlato. Des. 82,690; Dec. 2.
- Globe for lighting fixtures. I. M. Schaffer. Des. 80,914; Apr. 8.
- Globe, Inclosing. H. H. Blau. 1,778,305; Oct. 14.
- Globe, Light-diffusing. W. F. Reed. Des. 81,147; May 13.
- Globular articles, Apparatus for sizing. B. C. Skinner. 1,759,067; May 20.
- Globules from liquid gelatinous substances, Method and apparatus for producing solidified. T. K. Lowry. 1,746,543; Feb. 11.
- Gloss and pure white color on paper and the like, Producing a substance for obtaining a high. H. Körber. 1,776,002; Sept. 16.
- Glove. S. Balouzet-Tillard. Des. 82,071-2; Sept. 23.
- Glove. H. G'llian. 1,774,093; Aug. 26.
- Glove. K. E. Jensen. 1,750,473; Mar. 11.
- Glove. K. E. Jensen. 1,779,673; Oct. 28.
- Glove. I. Marinsky. 1,750,181-2; Mar. 11.
- Glove. W. M. Medaugh. 1,751,872; Mar. 25.
- Glove. F. O'Neill. 1,763,813; June 17.
- Glove. F. Scorelle. 1,757,095; May 6.

- Glove, Baseball. J. Bromley. 1,768,743; July 1.
 Glove-blank forming. M. McKinley. 1,765,282; June 17.
 Glove, Boxing. F. Diesterle. 1,752,977; Apr. 1.
 Glove, Boxing. M. F. Gately. 1,745,670; Feb. 4.
 Glove, Boxing. E. W. Till. 1,746,622; Feb. 11.
 Glove drier. R. Knox. 1,755,605; Apr. 22.
 Glove-drying rack. S. Tascarella. 1,755,902; Apr. 22.
 Glove, Fielder's. E. Nolte. 1,756,377; Apr. 29.
 Glove-retaining device for hand bags. J. A. Parrella. 1,743,496; Jan. 14.
 Glove, Swimming. L. Lepetich. 1,746,268; Feb. 11.
 Glove, Swimming. J. Sbralla. 1,773,440; Aug. 19.
 Glove, Trapper's. P. G. Heinrich. 1,762,865; June 10.
 Glove-turning machine. D. Baum. 1,766,502; June 24.
 Glove-turning machine. D. Baum. 1,771,521; July 29.
 Glove-turning mechanism for glove-turning machines. D. Baum. 1,744,859; Jan. 28.
 Glowlamp, Method and apparatus of introducing and fusing in the leading-in wires into the tubular foot of an electric. B. Erber and F. Gantner. 1,755,983; Apr. 22.
 Glue and gelatin in drop or lens shape, Method and machine for the production of solid. C. Greiner. 1,744,884; Jan. 28.
 Glue and paste spreader. O. W. Pendergast. 1,772,401; Aug. 5.
 Glue and the product thereof, Manufacture of. I. F. Laucks and C. N. Cone. 1,757,805; May 6.
 Glue-applying mechanism. G. A. Robinson. 1,767,310; June 24.
 Glue in small pieces in the shape of granules or drops with a coating of a powder as well as glue manufactured according to said method, Method to provide. G. Eckerbom. 1,759,737; May 20.
 Glue machines, Adjustable apron feed for. W. A. Saatman. 1,778,433; Oct. 14.
 Glue product. G. Palme. 1,756,382; Apr. 29.
 Glue spreader, Plate. H. G. Francis. 1,762,972; June 10.
 Gluing clamp. M. H. Barker. 1,772,301; Aug. 5.
 Gluing machine. E. G. Rider and W. A. Saatman. 1,744,244; Jan. 21.
 Gluing machine, Automatic. T. A. Federwitz. 1,772,344; Aug. 5.
 Glycerine, Treating. H. Weber and F. Niemeyer. 1,763,451; June 10.
 Glycol, Derivative of. H. D. Young. 1,786,404; Dec. 23.
 Glycol esters of abietic acid and producing the same, Diethylene. G. M. Norman. 1,779,710; Oct. 28.
 Glycols and ethylene hydrocarbons, Catalyst for the production of ethylene. A. T. Maximoff. 1,752,016; Mar. 25.
 Goblet. G. Dougherty. Des. 80,512; Feb. 18.
 Goblet. A. C. Parker. Des. 81,739; Aug. 5.
 Goblet. G. Sakier. Des. 81,302; June 3.
 Goblet or article of similar nature, Glass. T. C. Heisey. Des. 82,151; Sept. 30.
 Goblet or similar article. O. S. Atterholt. Des. 81,121-2; May 13.
 Goblet or similar article. C. C. Beam. Des. 81,471; July 1.
 Goblet or similar article. R. S. Giese. Des. 81,974; Sept. 9.
 Goblet or similar article. W. L. Orme. Des. 80,580; Feb. 25.
 Goblet or similar article. G. Sakier. Des. 81,301; June 3.
 Goblet or similar article. G. Sakier. Des. 82,909; Dec. 23.
 Goblet or similar article. E. J. Schaub. Des. 80,747; Mar. 18.
 Goblet or similar article, Glass. E. J. Schaub. Des. 80,810; Mar. 25.
 Goblet or similar article, Glass. E. J. Schaub. Des. 82,910; Dec. 23.
 Goggled article. E. O. Munkell. 1,755,744; Apr. 22.
 Goggles. N. M. Baker. 1,751,024; Mar. 18.
 Goggles. K. Kruening. 1,760,650; May 27.
 Goggles. R. Malcom. 1,784,151; Dec. 9.
 Goggles. J. Michell. 1,781,067; Nov. 11.
 Goggles. H. Neuwirth. 1,754,694; Apr. 15.
 Goggles. M. O'Flanagan. 1,742,412; Jan. 7.
 Goggles. H. Queen. 1,769,606; July 1.
 Goggles. W. J. Wrighton. Re17,781; Aug. 26.
 Goggles and other eyeglasses, Shade attachment for. F. W. Sadler and R. C. Veirs. 1,749,676; Mar. 4.
 Gold separator. J. V. Rawlings. 1,750,860; Mar. 18.
 Gold, silver, and lead from antimony ores, antimony flue dusts and antimonial by-products, Process for and relating to the separation of. S. G. Blaylock, F. E. Lee, and P. F. McIntyre. 1,778,020; Oct. 14.
 Gold, silver, and lead from crude antimonial metal, Process for and relating to the separation of. S. G. Blaylock, J. J. England, and F. E. Lee. 1,778,017-18; Oct. 14.
 Gold, silver, and lead from roasted or oxidized antimonial ores, antimonial flue dusts, antimonial by-products, Process for and relating to recovering. S. G. Blaylock, F. E. Lee, and J. J. England. 1,778,019; Oct. 14.
 Golf bag. J. Barlow. 1,770,060; July 8.
 Golf bag. J. P. Hooper. 1,747,715; Feb. 18.
 Golf bag. C. Hotze. 1,746,857; Feb. 11.
 Golf bag. W. L. Ritchie. 1,774,454; Aug. 26.
 Golf bag. S. H. Sutcliffe. 1,780,802; Nov. 4.
 Golf-bag attachment. J. H. Pfbaum. 1,744,414; Jan. 21.
 Golf-bag bottom. G. D. Noe. 1,767,548; June 24.
 Golf-bag stand. G. J. Strosser and F. Meder. 1,746,408; Feb. 11.
 Golf ball cleaner. E. M. Laing. 1,773,149; Aug. 19.
 Golf-ball washer. A. P. Blakemore. 1,768,229; June 24.
 Golf-ball washer. E. M. Laing. 1,781,113; Nov. 11.
 Golf-ball washer. L. Mollart. 1,747,724; Feb. 18.
 Golf-ball washer. W. F. Reach. 1,758,011; May 13.
 Golf-ball washer. C. W. Strong. 1,780,850; Nov. 4.
 Golf balls, Device for washing. H. D. Day. 1,787,306; Dec. 30.
 Golf club. F. T. F. Carr. 1,743,957; Jan. 14.
 Golf club. D. G. Lilley. 1,782,931; Nov. 25.
 Golf club. W. B. Pedersen. 1,778,122; Oct. 14.
 Golf club. S. Samaras and L. Ravizza. 1,769,235; July 1.
 Golf club. B. Washington. 1,787,415; Dec. 30.
 Golf club, Adjustable. J. H. Keating. 1,765,982; June 24.
 Golf-club carrier. E. C. Boyce. 1,756,902; Apr. 29.
 Golf-club grip. C. B. Margrave. 1,781,290; Nov. 11.
 Golf-club head. R. J. Cash. Des. 81,321; June 10.
 Golf-club head. G. W. Mattern. 1,780,625; Nov. 4.
 Golf-club-head construction. B. B. Smith. 1,768,378; June 24.
 Golf-club shaft. H. G. Barrett. 1,777,822; Oct. 7.
 Golf-club shaft. H. K. B. Davis. 1,762,216; June 10.
 Golf clubs, Attachment for. J. J. Kenney. 1,759,622; May 20.
 Golf counter. W. J. Tell. 1,771,593; July 29.
 Golf cup. E. H. Picha. 1,744,985; Jan. 28.
 Golf driving mat. M. D. Hanson. 1,753,654; Apr. 8.
 Golf game. H. C. Alston. 1,745,201; Jan. 28.
 Golf game. E. J. Barany. 1,770,191; July 8.
 Golf game. J. J. Morch. 1,758,581; May 13.
 Golf game. J. A. Scanlon. 1,771,466; July 29.
 Golf game apparatus. B. Macfadden. 1,763,243; June 10.
 Golf game, Home. B. E. Hokin. 1,783,089; Nov. 25.
 Golf-game unit or similar article. H. D. Akin and J. W. Wilder. Des. 82,300; Oct. 21.
 Golf, Garden. A. M. Goodloe. 1,742,702; Jan. 7.
 Golf link, Automatic. R. H. Strasser. 1,761,317; June 3.
 Golf practice apparatus. T. W. Byrne. 1,777,034; Sept. 30.
 Golf practice apparatus. R. Hazeltine. 1,761,039; June 3.
 Golf-practice apparatus or game. F. O. Fish. 1,759,156; May 20.
 Golf-practicing device. F. B. Carland. 1,777,350; Oct. 7.
 Golf putter. W. C. Spiker. 1,756,219; Apr. 29.
 Golf-scoring device. J. E. Swarthout. 1,785,288; Dec. 16.
 Golf shaft, Sectional. D. W. Flint. 1,760,353; May 27.
 Golf smoother or swiper, Folding metal. V. Smith. 1,777,809; Oct. 7.
 Golf-stroke-registering device. C. W. Williams. 1,765,518; June 24.
 Golf tee. T. H. Acaster. 1,755,344; Apr. 22.
 Golf tee. W. E. Baldwin. 1,783,211; Dec. 2.
 Golf tee. L. Dunkelsberg. 1,781,684; Nov. 18.
 Golf tee. A. D. Holden. 1,781,757; Nov. 18.
 Golf tee. G. Manassero. 1,783,733; Dec. 2.
 Golf tee. W. H. McLeod. Des. 81,315; June 3.
 Golf tee. W. H. McLeod. 1,759,657; May 20.
 Golf tee. W. S. Morris. 1,761,532; June 3.
 Golf tee. T. W. Phillips. 1,766,938; June 24.
 Golf tee. L. G. Sargent. 82,059; Sept. 16.
 Golf tee. R. Trane. 1,779,995; Oct. 28.
 Golf-tee packet. W. J. Brueckman. 1,747,499; Feb. 18.
 Golf-tee retriever. W. D. Smith. 1,787,400; Dec. 30.
 Golf tee, Stationary. E. A. Merlo. 1,746,600; Feb. 11.
 Gondola-car body. W. E. Van Dorn. 1,766,856; June 24.
 Gong. J. T. Miller and M. Hanley. 1,765,768; June 24.
 Goniometer. C. H. Beal and C. E. Miller. 1,769,100; July 1.
 Goods from shelves, Device for lifting. I. W. Smith. 1,759,524; May 20.
 Goods made of animal hair and wool, Increasing the luster of. F. Böhm. 1,760,738; May 27.
 Governing system. O. N. Bryant. 1,779,419; Oct. 28.
 Governor. A. Dina. 1,777,354; Oct. 7.
 Governor. W. B. Flanders. 1,786,987; Dec. 30.
 Governor. E. R. Klemm. 1,758,080; May 13.
 Governor apparatus for controlling the operations of engines and machines. H. N. Barnes. 1,746,628; Feb. 11.
 Governor attachment. A. S. Torok. 1,781,610; Nov. 11.
 Governor, Automatic. C. Cook. 1,759,936; May 27.
 Governor, Centrifugal. J. H. Robertson. 1,785,285; Dec. 16.
 Governor, Compressor-unloader. B. S. Aikman. 1,754,218; Apr. 15.
 Governor control. C. H. Knudsen. 1,753,436; Apr. 8.
 Governor devices, Mechanism of. P. W. Seewer. 1,743,732; Jan. 14.
 Governor, Electric speed. W. E. Butler. 1,755,313; Apr. 22.
 Governor, Engine. G. L. Jones. 1,771,124; July 22.
 Governor, Filling-machine. B. S. Harrington. 1,751,149; Mar. 18.
 Governor, Fluid-pressure. H. F. Schmidt. 1,762,357; June 10.
 Governor for battery ignition systems. W. E. Schwarzmunn and C. Strniste. 1,780,771; Nov. 4.
 Governor for fluid-pressure motors. H. L. Cook. 1,759,641; May 20.
 Governor for internal-combustion engines. E. Kaspar. 1,777,370; Oct. 7.
 Governor for internal-combustion engines. G. L. Moyers and E. A. Abraham. 1,749,500; Mar. 4.
 Governor for rotary engines, Throttling. R. Meyer. 1,745,266; Jan. 28.
 Governor, Hydraulic relay. R. Birmann. 1,748,326; Feb. 25.

- Governor, Hydraulic relay. R. Birmann. 1,748,506; Feb. 25.
- Governor, Liquid-pump. H. A. W. Petersen. 1,762,348; June 10.
- Governor mechanism. J. H. Robertson. 1,780,540; Nov. 4.
- Governor, Oil-relay. H. A. Cowardin. 1,747,468; Feb. 18.
- Governor, Orifice. L. D. Reimbolt. 1,770,495; July 15.
- Governor-pressure system. C. A. Jackson. 1,769,838; July 1.
- Gown, Mortuary. M. V. Papps. 1,775,047; Sept. 2.
- Grab. D. J. Barnard. 1,770,453; July 15.
- Grab. J. G. Fitzpatrick. 1,775,340; Sept. 9.
- Grab. H. Reichmann. 1,770,343; July 8.
- Grab, Automatic. H. Reichmann. 1,769,390; July 1.
- Grab for drill rods and the like. H. E. Brown. 1,780,699; Nov. 4.
- Grab hook. L. Homoly. 1,777,119; Sept. 30.
- Grab, Pipe. J. E. Lyons. 1,781,335; Nov. 11.
- Grade crossing, Railway. R. T. Bell. 1,783,274; Dec. 2.
- Grader. W. C. Ward. 1,787,295; Dec. 30.
- Grader attachment for road rollers. A. W. Aitken. 1,758,491; May 13.
- Grader, Bank. W. Lehman, C. N. Ballentine, and J. W. Dahlgren. 1,748,931; Feb. 25.
- Grader blade, Road. J. G. Shunk. 1,778,512; Oct. 14.
- Grader for vegetables, fruits, and the like. W. G. Bunker. 1,760,742; May 27.
- Grader for vending-machine checks. H. M. Henderson. 1,776,625; Sept. 23.
- Grader front assembly. C. B. Faverty. 1,774,477; Aug. 26.
- Grader, One-man road. L. T. Kincannon. 1,759,647; May 20.
- Grading and polishing apparatus, Fruit. T. F. Griffin and F. Smith. 1,770,916; July 22.
- Graders and the like, Attachment for elevating. A. Alver. 1,779,686; Oct. 28.
- Graders, Ditch cutter for. D. C. and O. Q. Hinds. 1,753,150; Apr. 1.
- Graders, Loading attachment for road. G. Gardner. 1,784,666; Dec. 9.
- Graders, Safety shear pin for. C. B. Faverty. 1,744,536; Jan. 21.
- Grading, fleshing, and evening machine. L. A. Cogswell. 1,743,320-1; Jan. 14.
- Grading machine. D. E. Gray. 1,750,516; Mar. 11.
- Grading machine. A. C. Thomas. 1,754,376; Apr. 15.
- Grading machine, Pea. F. D. Chapman. 1,771,996; Aug. 5.
- Grading machine, Potato. J. D. Cox. 1,783,496; Dec. 2.
- Grain and the like, Preservation of. R. A. Legendre. 1,777,044; Sept. 30.
- Grain-cleaning device. A. J. Hartley. 1,774,710; Sept. 2.
- Grain-cleaning process and machine. T. E. Forster. 1,756,246; Apr. 29.
- Grain, Conditioning. J. W. Cornelius. 1,750,508; Mar. 11.
- Grain-conditioning machine. J. A. Hall and W. F. C. George. 1,746,348; Feb. 11.
- Grain distributor, Centrifugal. J. C. Howland. 1,763,396; June 10.
- Grain drier. P. F. Normandeau. 1,748,519; Feb. 25.
- Grain drill. W. Boucher. 1,754,497; Apr. 15.
- Grain drill. C. W. Robinson. 1,782,583; Nov. 25.
- Grain drill. J. Schaeffer. 1,751,951; Mar. 25.
- Grain-drying device. J. Campbell. 1,766,742; June 24.
- Grain elevator, Portable. E. Hartman. 1,784,872; Dec. 16.
- Grain elevator, Portable. L. B. Neighbour. 1,750,855; Mar. 18.
- Grain, Grinding of bread. K. Dienst. 1,751,032; Mar. 18.
- Grain-heading machine. E. J. Hale. 1,756,788; Apr. 29.
- Grain huller. E. Lorenzen. 1,774,717; Sept. 2.
- Grain into crushed malt and the like, Apparatus for grinding. J. Schaefer. 1,749,925; Mar. 11.
- Grain-loading device, Portable. A. McLennan. 1,780,307; Nov. 4.
- Grain saver. V. J. Bockwitz. 1,783,400; Dec. 2.
- Grain separator. H. L. Johnson. 1,762,632; June 10.
- Grain separator. O. N. Nagle. 1,781,472; Nov. 11.
- Grain-shocking mechanism. G. Innes. 1,783,241; Dec. 2.
- Grain shoe. T. H. Mayfield. 1,764,218; June 17.
- Grain-treating machine. S. J. Goodfellow. 1,764,510; June 17.
- Gramophone and the like. C. M. Walter and R. G. Marsh. 1,767,330; June 24.
- Gramophone, megaphone, or the like. A. H. Borgqvist. 1,781,974; Nov. 18.
- Gramophone pick-up. L. W. Murkham. 1,769,532; July 1.
- Gramophones and like machines, Changing the needles of. L. Mangham. 1,781,587; Nov. 11.
- Grandstand. C. H. Wetzell. 1,760,801; May 27.
- Granite, Producing an ornamental surface on. E. A. Chase. 1,783,828; Dec. 2.
- Granular material, Apparatus for feeding. A. P. Meyer. 1,742,716; Jan. 7.
- Granular material, Apparatus for grading. O. H. Hansen. 1,761,788; June 3.
- Granular material, Method of and apparatus for handling. J. A. Paisley. 1,785,594; Dec. 16.
- Granular or pulverized material, Apparatus for delivering regular quantities of. F. W. Davis. 1,755,103; Apr. 15.
- Granular or the like materials, Apparatus for preparing. J. L. Rosenfield. 1,773,202; Aug. 19.
- Granular substances, Production of. O. H. Buse. 1,773,257; Aug. 19.
- Granulated product and making same. H. C. Gardiner. 1,755,985; Apr. 22.
- Grape juice, Producing. L. C. Reiling. 1,767,399; June 24.
- Grape-stripping machine. H. E. Peterson. 1,766,530; June 24.
- Graphic instrument. W. J. Healey. 1,760,947; June 3.
- Graphic representation. B. L. Padgett. 1,780,036; Oct. 28.
- Grapple. F. L. Farnsworth. 1,769,665; July 1.
- Grapple. E. L. Harrington. 1,779,702; Oct. 28.
- Grapple and basket for wagon-loading apparatus. E. W. Weed. 1,755,854; Apr. 22.
- Grapple, Automatic. A. A. Munn. 1,781,518; Nov. 11.
- Grapppling hook. J. A. Shields. 1,772,784; Aug. 12.
- Grasp bar. M. S. Weber. Des. 80,927; Apr. 8.
- Grasping device. M. W. Smith. 1,756,441; Apr. 29.
- Grass and weed destroyer, Quack. J. A. Fallman and C. E. Fallman. 1,742,988; Jan. 7.
- Grass cutter. D. Forsberg. 1,759,569; May 20.
- Grass-cutting device. A. L. Schmidt. 1,765,288; June 17.
- Grass destroyer, Quack. F. E. Muhrbeck. 1,777,126; Sept. 30.
- Grass digger and remover, Quack. G. Lundquist. 1,771,263; July 22.
- Grass digger, Quack. E. R. Bradley. 1,786,226; Dec. 23.
- Grass digger, Quack. K. H. Menke. 1,760,203; May 27.
- Grass-eradicating machine, Bermuda. B. Baker. 1,779,027; Oct. 21.
- Grass eradicator, Quack. K. Rue. 1,767,619; June 24.
- Grass eradicator, Quack. G. C. Swanson. 1,778,920; Oct. 21.
- Grass remover, Quack. W. Lajeunesse. 1,744,170; Jan. 21.
- Grate. R. Hoffman. 1,765,426; June 24.
- Grate. A. J. Koepsell. 1,781,331; Nov. 11.
- Grate. H. F. Martineau. 1,770,595; July 15.
- Grate. H. K. Milner. 1,786,358; Dec. 23.
- Grate. M. K. Moore. 1,746,126; Feb. 4.
- Grate and pallet structure. E. W. Shallock. 1,756,037; Apr. 29.
- Grate bar. A. Provost. 1,761,024; June 3.
- Grate bar. J. T. Tawls. 1,775,790; Sept. 16.
- Grate-bar construction. E. O. Howle. 1,769,996; July 8.
- Grate-bar spacer for thrashers. H. L. Fisher. 1,769,128; July 1.
- Grate, Chain. W. M. Duncan. 1,756,020; Apr. 29.
- Grate, Coal-burning. C. J. Parker. 1,779,852; Oct. 28.
- Grate construction. J. L. Dragon. 1,778,664; Oct. 14.
- Grate construction. C. E. Harrison. 1,783,878; Dec. 2.
- Grate, Dump. S. J. A. Wiebe. 1,754,247; Apr. 15.
- Grate-feeding means, Mechanically-operated. A. E. Weck. 1,760,572; May 27.
- Grate, Fire. V. Ocenasek. 1,766,186; June 24.
- Grate, Fireplace. W. A. Hannum. 1,771,174; July 22.
- Grate for box stoves, Insertable. E. Cox. 1,763,641; June 17.
- Grate for metallic sheets. J. R. Freeze. 1,785,863; Dec. 23.
- Grate for oil and gas stoves. L. T. Willcox. 1,759,148; May 20.
- Grate for stoves and the like. M. R. Porter. 1,756,384; Apr. 29.
- Grate, Furnace. E. V. Wickey. 1,764,484; June 17.
- Grate furnace, Plane. H. Serog. 1,747,738; Feb. 18.
- Grate, Incinerator. J. C. Woodman. 1,767,030; June 24.
- Grate key. G. Ziegler. 1,784,772; Dec. 9.
- Grate-operating mechanism, Dump. C. F. Müller. 1,762,406; June 10.
- Grate or burning bar for enameling furnaces. K. Türk. 1,762,001; June 3.
- Grate, Sectional. M. Newkirk. 1,769,157; July 1.
- Grate, Traveling. L. Steinmüller. 1,750,065; Mar. 11.
- Grate, Traveling. J. W. Wray. 1,772,299; Aug. 6.
- Grate, Water. J. G. Gibson. 1,742,908; Jan. 7.
- Grater. T. W. Bigoney. 1,785,244; Dec. 16.
- Grater, Conical. J. W., jr., and A. E. Klensch. 1,768,076; June 24.
- Grater, Vegetable. J. A. Andrusis. 1,756,779; Apr. 29.
- Grating. W. A. Bates. 1,744,153; Jan. 21.
- Grating. P. E. Feltes. 1,750,039; Mar. 11.
- Grating. N. Michelman. 1,782,789; Nov. 25.
- Grating. C. C. Shelden. 1,768,157; June 24.
- Grating, Floor. H. H. Bunker. 1,749,902; Mar. 11.
- Grating, Floor. F. B. Secor. 1,779,497; Oct. 28.
- Grating structure. H. Nagin. 1,759,271; May 20.
- Grating, Window. O. M. Rexinger. Re17,911; Dec. 23.
- Gratings, Manufacture of reproduced diffraction. K. Kondo. 1,744,642; Jan. 21.
- Grave form. C. W. Cooney. 1,773,391; Aug. 19.
- Grave marker and flower stand. E. B. Cartwright. 1,763,130; June 10.
- Gravel-loading device. H. M. Martenson and F. W. Peterson. 1,760,158; May 27.
- Gravity and relative apparatus, Utilization of the force of. G. Pascucci. 1,754,399; Apr. 15.
- Gravity indicator, Specific. F. A. Burningham and H. K. Moore. Re17,728; July 15.
- Gravity indicating system. A. A. Van Orsdale. 1,787,132; Dec. 30.

- Gravity lock. P. Swanson. 1,786,582; Dec. 30.
Gravity-recording instrument. J. F. M. Taylor. 1,770,559; July 15.
Gravity ride. A. W. Nichols. 1,748,184; Feb. 25.
Grease. O. C. Schmidt. 1,780,315; Nov. 4.
Grease absorber. G. Klein. 1,754,110; Apr. 8.
Grease absorbing and deflecting attachment for gas-stove flues. P. J. Hentschel. 1,764,954; June 17.
Grease and the like from solid articles, Apparatus for cleansing and removing. G. Wolff. 1,771,698; July 29.
Grease can. E. W. and R. W. Beardsley. 1,761,650; June 3.
Grease-chamber closure and grease cup. D. P. Ordway. 1,770,280; July 8.
Grease cup. W. Armstrong. 1,779,351; Oct. 21.
Grease cup. J. J. Bednar. 1,771,071; July 22.
Grease cup. C. G. Butler and F. C. Woelfer, jr. 1,784,573; Dec. 9.
Grease cup. H. B. Spencer and W. R. Smith. 1,759,211; May 20.
Grease dispenser. E. Van Leunen. 1,747,337; Feb. 18.
Grease drum and using same, Sheet-metal. C. T. Draper. 1,765,062; June 17.
Grease feeder. W. L. Morris. 1,749,830; Mar. 11.
Grease feeder. W. L. Morris. 1,756,657; Apr. 29.
Grease from garbage, Recovering. W. D. Cleary. 1,764,390; June 17.
Grease gun. H. Albertine. 1,750,151; Mar. 11.
Grease gun. W. A. Chapman. 1,759,298; May 20.
Grease gun. R. J. Gray. 1,751,323; Mar. 18.
Grease gun. P. Gresser. 1,766,897; June 24.
Grease gun. P. Gresser. 1,784,434; Dec. 9.
Grease gun. P. L. Hatfield. 1,743,968; Jan. 14.
Grease gun. R. P. Jacques. 1,761,127; June 3.
Grease gun. J. N. Saxton. 1,751,660; Mar. 25.
Grease gun. K. N. Willmore. 1,750,378; Mar. 11.
Grease gun. C. L. Zabriskie. 1,750,148; Mar. 11.
Grease-gun connection. R. E. McGahey. 1,754,723; Apr. 15.
Grease gun, Double-acting. A. M. Walstrom. 1,784,260; Dec. 9.
Grease gun, High-power. H. Albertine. 1,750,150; Mar. 11.
Grease gun, High-pressure. L. Deutsch. 1,781,374; Nov. 11.
Grease gun, Portable. H. Albertine. 1,776,095; Sept. 16.
Grease guns, Flexible connection and connector for high-pressure. A. Johnson. 1,778,217; Oct. 14.
Grease, Making lubricating. E. N. Klemgard. 1,749,251; Mar. 4.
Grease or fat, Recovery of. F. E. Bailey. 1,770,476 July 15.
Grease protective apparatus, Axle-. E. G. Jeffries. 1,771,440; July 29.
Grease trap and cover for same. C. H. Cummings. 1,746,992; Feb. 11.
Greasing apparatus, Pneumatically-operated. C. R. Buchet. 1,767,507; June 24.
Greenhouse bed. F. J. Mead. 1,761,796; June 3.
Greenhouse bench. J. E. Jones. 1,777,798; Oct. 7.
Greensand core. W. S. Anderson. 1,771,201; July 22.
Greensand cores, Method and apparatus for forming. J. T. Stoney. 1,768,802; July 1.
Greensand or glauconite for the purpose of rendering it an efficient water-softening agent, Treating. F. K. Lindsay. 1,750,847; Mar. 18.
Grid-casting machine. A. D. Lund. 1,747,552; Feb. 18.
Grid for chemical storage batteries. P. Pettinelli. 1,752,963; Apr. 1.
Grid for gas purifiers. S. E. Spencer. 1,762,840; June 10.
Grid leak and condenser. W. Dubilier. 1,744,301; Jan. 21.
Grid leak and condenser. W. E. Woods. 1,747,341; Feb. 18.
Grid, Metallic. A. S. Macdonald. Des. 81,988; Sept. 9.
Grid plate, Self-locking. J. A. Hanley. 1,746,587; Feb. 11.
Gridiron. J. T. Welch and J. E. McAlpine. 1,766,572; June 24.
Grill. A. C. Morrisson. 1,744,409; Jan. 21.
Grill. A. C. Morrisson. 1,776,322; Sept. 23.
Grille. G. W. Ackerman. Des. 80,872; Apr. 8.
Grille. J. A. Armstrong. Des. 82,778-81; Dec. 16.
Grille for sound reproducer. I. Harris. Des. 80,725; Mar. 18.
Grille, Shutter-equipped. E. H. Seelert. 1,771,014; July 22.
Grille unit. C. A. Stuart. Des. 81,766-7; Aug. 5.
Grille work, Making. L. D. Kay. 1,768,362; June 24.
Grinder. E. H. Frickey. 1,759,448; May 20.
Grinder. C. Poppelman. 1,786,262; Dec. 23.
Grinder. R. Prater. 1,768,713; July 1.
Grinder and disintegrator. E. W. Schultz and F. D. Banham. 1,759,245; May 20.
Grinder, Apple. L. C. Hufford. 1,746,654; Feb. 11.
Grinder, Automatic planer-knife. W. H. Ashworth. 1,781,674; Nov. 18.
Grinder, Cylinder. M. C. Hutto. 1,772,045; Aug. 5.
Grinder, Cylinder. J. Johnson. 1,745,015; Jan. 28.
Grinder, Dead-center. S. Einstein and A. Turner. 1,749,328; Mar. 4.
Grinder, Drill. T. A. Jackson. 1,759,196; May 20.
Grinder, Feed. C. D. Ammon and E. W. Wilcox. 1,752,971; Apr. 1.
Grinder, Feed. H. E. Luebberts. 1,749,954; Mar. 11.
Grinder, Feed. T. Tamen. 1,755,037; Apr. 15.
Grinder for concave saw teeth. E. P. Armstrong. 1,771,602; July 29.
Grinder for pigments and the like. E. de Rozieres. 1,781,808; Nov. 18.
Grinder for wood pulp, Magazine. A. H. White. 1,754,536; Apr. 15.
Grinder, Hammer-mill feed. C. D. Ammon. 1,752,290; Apr. 1.
Grinder, Knife. H. Witzleben. 1,773,564; Aug. 19.
Grinder mechanism. W. A. Traud. 1,769,870; July 1.
Grinder, Pressure fruit. C. S. Cox. 1,780,067; Oct. 28.
Grinder, Roll. H. E. P. Taylor. 1,742,736; Jan. 7.
Grinder, Saw. E. P. Armstrong. 1,781,941; Nov. 18.
Grinder, Saw. C. E. Ransom. 1,768,996; July 1.
Grinder, Saw-tooth. J. F. Pribnow. 1,763,065; June 10.
Grinder, Sectional ring. G. E. Vance. 1,761,852; June 3.
Grinder shield. A. C. Frey. 1,759,941; May 27.
Grinder, Tool. W. E. Lutz. 1,749,105; Mar. 4.
Grinder, Universal. E. C. Oliver. 1,752,961; Apr. 1.
Grinder, Valve. E. H. Peterson and W. H. Odium. 1,749,300; Mar. 4.
Grinder, Valve-seat. G. W. Fleming. 1,775,898; Sept. 16.
Grinder, Valve-seat. J. W. Roy. 1,747,085; Feb. 11.
Grinder, Wood. W. Thaler. 1,786,679; Dec. 30.
Grinder, Wood-pulp. F. B. Chappell. 1,742,233; Jan. 7.
Grinders, Operating mechanism for valve. E. H. Peterson and N. F. McNaught. 1,751,657; Mar. 25.
Grinders, Plate mounting for feed. R. B. Hitchcock. 1,744,471; Jan. 21.
Grinding. S. Einstein. 1,779,467; Oct. 28.
Grinding and abrading machine. H. H. Asbridge. 1,754,140; Apr. 8.
Grinding and milling machine, Portable. L. Sichel. 1,775,000; Sept. 2.
Grinding and mixing apparatus. R. O. Child. 1,770,459; July 15.
Grinding and polishing apparatus. L. Schulte. 1,744,807; Jan. 28.
Grinding and separating materials, Method of and mechanism for. W. J. Clement. 1,755,573; Apr. 22.
Grinding and separating mill. E. Jungels. 1,773,228; Aug. 19.
Grinding apparatus. R. J. Emmert. 1,749,329; Mar. 4.
Grinding apparatus. C. C. Gibson. 1,782,063; Nov. 18.
Grinding apparatus. J. R. Gustafsson. 1,748,343; Feb. 25.
Grinding apparatus. M. Tuttle. 1,756,710; Apr. 29.
Grinding apparatus and method. H. Rodemeyer. 1,763,820; June 17.
Grinding, Apparatus for gear. F. Burgess. 1,773,386; Aug. 19.
Grinding apparatus, Glass-. H. K. Hitchcock. 1,742,594; Jan. 7.
Grinding attachment for lathes, Cylinder. F. H. Gjesdahl. 1,762,658; June 10.
Grinding balls, Making. L. J. Barton. 1,746,236; Feb. 11.
Grinding cement materials, etc. C. Pontoppidan. 1,762,241; June 10.
Grinding device, Adjustable flyer-. A. M. Guillet. 1,758,791; May 13.
Grinding device, Railway journal-wedge-. C. Taggart. 1,786,139; Dec. 23.
Grinding device, Valve-. R. Trahan. 1,781,417; Nov. 11.
Grinding device, Wheel-. D. C. Mulvihill. 1,745,026; Jan. 28.
Grinding fixture. A. McAndrew. 1,770,318; July 8.
Grinding implement. T. A. Jackson and W. J. Skelly. 1,773,679; Aug. 19.
Grinding machine. J. Bath. 1,757,161; May 6.
Grinding machine. J. Bath. 1,771,948; July 29.
Grinding machine. W. J. Baumberger. 1,756,908; Apr. 29.
Grinding machine. A. R. Berck. 1,755,862; Apr. 22.
Grinding machine. C. Booth. 1,787,337; Dec. 30.
Grinding machine. L. Born. 1,769,823; July 1.
Grinding machine. W. L. Bryant. 1,765,787; June 24.
Grinding machine. W. H. Chapman. 1,758,649; May 13.
Grinding machine. E. Danner. 1,763,647; June 17.
Grinding machine. O. Doult. 1,757,175; May 6.
Grinding machine. O. Doult. 1,757,559; May 6.
Grinding machine. C. G. Flygare. 1,772,345; Aug. 5.
Grinding machine. F. E. Gardner. 1,784,231; Dec. 9.
Grinding machine. R. N. Heald, W. J. Guild, A. P. Burns, and G. E. Garbo. 1,751,202-3; Mar. 18.
Grinding machine. J. N. Heald and W. J. Guild. 1,779,094; Oct. 21.
Grinding machine. H. L. Hood. 1,744,766; Jan. 28.
Grinding machine. W. P. Hunt, C. W. Hallene, and S. L. Brandenburg. 1,761,126; June 3.
Grinding machine. N. H. Klages. 1,760,987; June 3.
Grinding machine. O. S. Koskinen. 1,769,143; July 1.
Grinding machine. S. C. Probert and F. J. Lamborn. 1,772,592; Aug. 12.
Grinding machine. E. F. Roberts. 1,766,839; June 24.
Grinding machine. H. C. Schneider. 1,745,646; Feb. 4.
Grinding machine. C. C. Stevens. 1,770,148; July 8.
Grinding machine. C. G. Trefethen and A. G. Belden. 1,783,755; Dec. 2.
Grinding machine. H. H. Yerk and W. J. Baumberger. 1,766,161; June 24.
Grinding machine. H. H. Yerk and W. J. Baumberger. 1,780,288; Nov. 4.
Grinding machine and interchanger therefor. A. Vullleumier. 1,767,416; June 24.
Grinding machine and method of grinding. E. E. Slick, Jr. 1,767,775; June 24.

- Grinding machine and other machine tool. A. H. Orcutt and J. W. Snarry. 1,749,258; Mar. 4.
- Grinding machine, Automatic. C. H. Norton. 1,779,779; Oct. 28.
- Grinding machine, Automatic. A. P. Steiner. 1,744,587; Jan. 21.
- Grinding machine, Automatic cylindrical. C. H. Norton. 1,779,823; Oct. 28.
- Grinding machine, Brick-. A. Jones. 1,767,136; June 24.
- Grinding machine, Centerless. J. A. Phelps. 1,779,618; Oct. 28.
- Grinding machine, Centerless. E. R. Seward. 1,782,480; Nov. 25.
- Grinding machine for finishing borings. K. Jung. 1,772,721; Aug. 12.
- Grinding machine, Gear-. C. H. Schurr. 1,751,104; Mar. 18.
- Grinding machine, Gear-. O. G. Simmons. 1,772,271; Aug. 5.
- Grinding machine, Internal-. A. P. Steiner. 1,770,817; July 15.
- Grinding machine, Radius-template-. H. V. Törnebohm. 1,780,211; Nov. 4.
- Grinding machine, Rail-. F. L. Re Qua and A. S. Kalenborn. 1,772,636; Aug. 12.
- Grinding machine with screen. H. C. Jacobson. 1,758,702; May 13.
- Grinding machine, Wood-pulp-. W. A. Whitcomb. 1,757,031; May 6.
- Grinding machinery. H. H. Asbridge. 1,754,139; Apr. 8.
- Grinding machinery. G. W. Binns. 1,773,937; Aug. 26.
- Grinding machinery. J. E. Caster and F. S. Haas. 1,776,241; Sept. 16.
- Grinding machinery. S. Einstein. 1,772,932; Aug. 12.
- Grinding machinery. H. Ernst. 1,778,452; Oct. 14.
- Grinding machinery. A. Turner. 1,782,669; Nov. 25.
- Grinding machinery, Centerless. G. W. Binns and W. D. Archea. 1,757,612; May 6.
- Grinding machines, Feeding mechanism for. G. H. Smith. 1,763,626; June 10.
- Grinding machines, Load-regulating means for. F. A. Peschl. 1,777,220; Sept. 30.
- Grinding machines, Magnetic throw-off for. F. D. Van Norman. 1,763,201; June 10.
- Grinding machines, Truing attachment for. S. C. Probert. 1,770,711; July 15.
- Grinding machines, Work-clamping fixture for crank. A. P. Steiner. 1,755,937; Apr. 22.
- Grinding machines, Work holder for. E. F. Longenback. 1,754,898; Apr. 15.
- Grinding machines, Work holder for bar-. F. K. Benedict. 1,753,590; Apr. 8.
- Grinding material and extracting volatile matter therefrom. Process and apparatus for. H. W. Moir. 1,766,447; June 24.
- Grinding mechanism for use with slicing machines, Knife-. E. Coulson. 1,780,868; Nov. 4.
- Grinding mill. C. O. Bartley. 1,772,026; Aug. 5.
- Grinding mill. T. Bragard. 1,750,088; Mar. 11.
- Grinding mill. R. M. Hardgrove. 1,751,918; Mar. 25.
- Grinding mill. A. J. Hazle, jr. 1,745,330; Jan. 28.
- Grinding mill. J. Klagsbrunn. 1,773,906; Aug. 26.
- Grinding mill. G. F. Pettinos. 1,758,010; May 13.
- Grinding mill, Roller. O. Moog. 1,775,369; Sept. 9.
- Grinding of bread grain. K. Dienst. Re17,829; Oct. 14.
- Grinding or buffing machine. H. D. Stevens. 1,787,412; Dec. 30.
- Grinding or cutting apparatus. L. H. Thullen. 1,782,128; Nov. 18.
- Grinding or pulverizing machine. S. A. Knowles. 1,772,150; Aug. 5.
- Grinding, pulverizing, or disintegrating mill. W. A. Cloud. 1,752,888; Apr. 1.
- Grinding wheel. T. F. Emminger. 1,756,734; Apr. 29.
- Grinding wheel. T. Larsson. 1,783,728; Dec. 2.
- Grinding wheel and mounting the same. T. A. Jackson. 1,753,377; Apr. 8.
- Grinding wheel, Disk-. T. V. Thompson. 1,767,821; June 24.
- Grinding wheel, Segmental. T. Larsson. 1,783,727; Dec. 2.
- Grinding wheels, Dressing device for. P. Klamp and J. J. Woolley. 1,754,630; Apr. 15.
- Grip. J. B. Stewart. 1,763,828; June 17.
- Grip device, Intermittent-. A. Lináres. 1,748,887; Feb. 25.
- Grip sleeves, Making hand-. R. E. Riley. 1,768,933; July 1.
- Grip strap. C. P. Schlegel. Des. 80,396; Jan. 21.
- Grip strap. C. P. Schlegel. Des. 80,398; Jan. 21.
- Grip tester. W. K. Edwards. 1,759,394; May 20.
- Gripper for box-strapping mechanism. L. M. Harvey. 1,759,257; May 20.
- Gripper for duplex labelling machines, Label. C. H. Oslund. 1,749,716; Mar. 4.
- Gripping and conveying means, Beet. T. H. Dolling. 1,763,422; June 10.
- Gripping device. O. O. Collins. 1,782,030; Nov. 18.
- Gripping device. C. R. Millar and D. S. Strachan. 1,772,727; Aug. 12.
- Gripping device. H. W. Orndoff. 1,749,601; Mar. 4.
- Gripping device. C. Powell. 1,759,275; May 20.
- Gripping device. A. Prelesnik. 1,760,885; June 3.
- Gripping device for oil cans and the like. E. R. Petrie. 1,756,165; Apr. 29.
- Gripping mechanism, Friction. C. L. C. Magee and B. S. Pfeiffer. Re17,849; Oct. 28.
- Grizzly, Rotary. A. J. Myers. 1,785,841; Dec. 23.
- Grizzly, Rotary. J. H. Odenbach, H. Goldman, and W. C. Henry. 1,762,790; June 10.
- Grit-distributing device. H. Wallace. 1,784,323; Dec. 9.
- Groat cutter. T. Kipp, jr. 1,744,169; Jan. 21.
- Grommet for pneumatic tires. P. M. Bourdon. 1,753,041; Apr. 1.
- Grooming device for animals, Pneumatic. M. Heckman. 1,764,626; June 17.
- Groove-cleaning machine. H. H. Shumaker. 1,778,917; Oct. 21.
- Grooving and beveling machine, Welt. W. T. Minett. 1,777,323; Oct. 7.
- Grooving machine, Wood-. R. R. Hibbs. 1,775,430; Sept. 9.
- Ground articles, Apparatus for producing. L. R. Heim. 1,772,042; Aug. 5.
- Ground connection. E. G. K. Anderson. 1,776,212; Sept. 16.
- Ground-resistance test set. E. V. Mott, L. H. Rovere, and D. H. Rowland. 1,744,566; Jan. 21.
- Grounding device. E. F. Bennett. 1,787,351; Dec. 30.
- Grounding device. H. Bracht. 1,763,214; June 10.
- Grounding device. H. Bracht. 1,775,748; Sept. 16.
- Groups of a definite number of articles, Device for forming. R. W. Voigt. 1,764,663; June 17.
- Grubbing fork. D. D'Ambrosio. 1,772,385; Aug. 5.
- Guanidine-aldehyde condensation product, Substituted. C. M. Stine. 1,780,636; Nov. 4.
- Guanidines, Making substituted. E. V. Heuser. 1,784,442; Dec. 9.
- Guard. A. E. and A. Anderson. 1,752,221; Mar. 25.
- Guard. R. W. Robrke. 1,766,690; June 24.
- Guard and workholder for planers. W. W. Edwards. 1,744,874-5; Jan. 28.
- Guard, Antisplash. D. A. Craig. 1,760,193; May 27.
- Guard apparatus, Burglar. T. G. Pate. 1,786,363; Dec. 23.
- Guard apparatus for platers, Safety. R. M. Mutch. 1,761,045; June 3.
- Guard, Automobile bumper. W. J. Millard. 1,744,408; Jan. 21.
- Guard, Cattle. C. Solis. 1,757,024; May 6.
- Guard, Coin-slot. W. Rabkin. 1,757,387; May 6.
- Guard, Detention. L. H. Dittich. 1,745,661; Feb. 4.
- Guard, Earring. P. C. Prescott-Richardson. 1,743,006; Jan. 7.
- Guard, Fan. E. F. Guth. 1,747,627; Feb. 18.
- Guard, Fender. G. W. Yanss. 1,745,968; Feb. 4.
- Guard finger and ledger plate. C. F. Hover. 1,753,293; Apr. 8.
- Guard for athletes. D. Levinson. 1,784,148; Dec. 9.
- Guard for automobile windshields. F. H. Rowe. 1,775,256; Sept. 9.
- Guard for casement windows, Weather. L. E. Klein. 1,745,625; Feb. 4.
- Guard for gas burners. G. Van Bree. 1,773,555; Aug. 19.
- Guard for guy rods and cables. J. W. Shope. 1,779,990; Oct. 28.
- Guard for hooks and the like, Safety. J. C. Yingling. 1,753,326; Apr. 8.
- Guard for linemen's climbing hooks. H. C. Rose. 1,774,615; Sept. 2.
- Guard for openings, Adjustable. J. F. Farmer. 1,782,415; Nov. 25.
- Guard for roller window shades. W. B. Boyce. 1,767,045; June 24.
- Guard for safety-razor blades. P. Müller. 1,751,215; Mar. 18.
- Guard for spectacles and eyeglasses. J. B. Kern. 1,784,013; Dec. 9.
- Guard for vehicle wheels, Splash. A. Schneider. 1,774,242; Aug. 26.
- Guard for vehicles, Bufferlike. W. Lange. 1,762,870; June 10.
- Guard, Highway. C. H. Macdonald. 1,776,517; Sept. 23.
- Guard, Knife. L. Ewing. 1,743,029; Jan. 7.
- Guard member for mop handles. F. Schweigert. 1,750,333; Mar. 11.
- Guard, One-piece rat. F. E. Maynard. 1,744,834; Jan. 28.
- Guard or protector, Garment. I. Unker and H. S. Rosenthal. 1,764,427; June 17.
- Guard, Safety. T. B. Rice, jr. 1,746,053; Feb. 4.
- Guard, Sickle. E. Patterson and L. McDow. 1,770,709; July 15.
- Guard, Thigh. C. C. Hood. 1,744,384; Jan. 21.
- Guard, Trolley-wire. J. F. Morrison. 1,743,156; Jan. 14.
- Guard, Trunk-rack. P. A. Benedict. 1,778,788; Oct. 21.
- Guayule, etc., Treatment of. D. Spence. 1,753,184; Apr. 1.
- Guide and bookmark, Combined reading. M. Hartwell. 1,767,177; June 24.
- Guide and brake, Front-wheel. P. P. Adams. 1,785,172; Dec. 16.
- Guide and pattern strip and anchor therefor. G. W. Harley. 1,784,353; Dec. 9.
- Guide and cleaner, Combined. J. F. Madden. 1,774,987; Sept. 2.
- Guide and mounting for screens or the like. H. Dixon. 1,761,332; June 3.

- Guide apparatus for the propeller stream of vessels. J. B. Hiorth. 1,775,395; Sept. 9.
- Guide attachment for presser bars. R. Bankier. 1,752,323; Apr. 1.
- Guide clip for cutter bars. T. J. Barlow. 1,754,302; Apr. 15.
- Guide device. A. L. Ligon. 1,753,126; Apr. 1.
- Guide device for multiple stands, Adjustable. C. A. Dreisbach. 1,756,636; Apr. 29.
- Guide device for neckties. H. Sattler. 1,767,899; June 24.
- Guide, Door or window. G. E. Moody. 1,742,483; Jan. 7.
- Guide fixture, Venetian-blind. J. W. Dunn and W. Ruby. 1,747,891; Feb. 18.
- Guide for band saws. G. G. Rhinevault. 1,764,183; June 17.
- Guide for belt conveyers. F. E. D'Humy and M. V. Creedon. 1,770,099; July 8.
- Guide for cables and the like. E. R. Maison. 1,749,146; Mar. 4.
- Guide for fishes. P. F. Yungling. 1,779,792; Oct. 28.
- Guide for locks. A. Hauser. 1,751,153; Mar. 18.
- Guide for pneumatic-tire treads. C. E. Maynard. 1,762,833; June 10.
- Guide for straightening rolls. G. A. Wise. 1,752,823; Apr. 1.
- Guide for Venetian blinds. T. E. McNulty. 1,787,158; Dec. 30.
- Guide for vine cutters. G. L. McCready. 1,753,712; Apr. 8.
- Guide mechanism for fishing reels, Line-. W. L. Adams. 1,748,404; Feb. 25.
- Guide rail for shaping-machine worktables. W. F. Zimmermann. 1,753,142; Apr. 1.
- Guide, Rod. C. H. Brown. 1,749,626; Mar. 4.
- Guide, Sash. W. S. Hamm. 1,754,513; Apr. 15.
- Guide track for rolling window screens. N. H. Nelson. 1,764,880; June 17.
- Guiding apparatus for webs. J. H. Hamilton. 1,769,687; July 1.
- Guiding device for circuit controllers. J. E. Long. 1,770,579; July 15.
- Guiding device for cutting burners, Transportable. W. Eberle. 1,773,664; Aug. 19.
- Guiding device for plows. L. L. Fojtik. 1,780,070; Oct. 28.
- Guitar. T. A. Gast. 1,764,679; June 17.
- Guitar. A. Larson. 1,768,261; June 24.
- Guitar case and stand, Combination. R. C. Ezzelle. 1,772,808; Aug. 5.
- Guitars and similar stringed instruments, Top for. W. W. Nelson. 1,762,408; June 10.
- Gullies, Device for preventing the formation of. A. V. Lutz. 1,764,047; June 17.
- Gum and its manufacture, Modified. C. E. Dellenbarger. 1,786,831; Dec. 30.
- Gum and making same, Chewing. G. B. Mustin. 1,771,981-2; July 29.
- Gum exudates, Reclaiming or improving. C. Martell. 1,786,075; Dec. 23.
- Gum from locust beans, Producing. A. Müller. 1,749,833; Mar. 11.
- Gum-stock trimmer. J. H. Davidson and R. S. Wade. 1,751,575; Mar. 25.
- Gummy or resinous material and making same, Synthetic. F. W. Skirrow. 1,746,615; Feb. 11.
- Gummy or resinous material, Making synthetic. H. W. Matheson and F. W. Skirrow. 1,746,665; Feb. 11.
- Gun. J. L. Hatcher. 1,744,162; Jan. 21.
- Gun and other automatic firearm, Machine. C. Soncinl. 1,773,441; Aug. 19.
- Gun barrels, Instrument for examining the interior of. J. H. Fisher. 1,775,452; Sept. 9.
- Gun, Breakdown. L. P. Smith. 1,755,033; Apr. 15.
- Gun carriage. S. G. Green. 1,782,610; Nov. 25.
- Gun, centrifugal. B. F. S. Baden-Powell. 1,783,053; Nov. 25.
- Gun cleaner. L. H. Darling. 1,786,520; Dec. 30.
- Gun-discharging means. D. N. Mink. 1,759,132; May 20.
- Gun-feeding mechanism. L. S. Marsh. 1,750,112; Mar. 11.
- Gun for applying mortar, Pneumatic. L. E. McCormack. 1,755,329; Apr. 22.
- Gun, Machine. R. F. Hudson. 1,749,137; Mar. 4.
- Gun, Machine. R. F. Hudson. 1,786,207; Dec. 23.
- Gun, Machine. F. Janček. 1,747,546; Feb. 18.
- Gun mount. S. G. Green. 1,757,244; May 6.
- Gun mount. K. Stratomeyer. 1,771,663; July 29.
- Gun mount for submarines, Twin. H. E. Grieshaber. 1,781,175; Nov. 11.
- Gun mounted on a wheel carriage. H. Schüller and F. Herlach. 1,763,988; June 17.
- Gun, Pneumatically-actuated machine. R. B. Smith. 1,743,576; Jan. 14.
- Gun rack. W. J. Sprowle. 1,757,600; May 6.
- Gun sight. P. R. Dindinger. 1,755,635; Apr. 22.
- Gun sight. C. E. Lyman, jr. 1,750,676; Mar. 18.
- Gun-sight mounting. R. Noske. 1,756,603; Apr. 29.
- Gun swab. C. P. Schlegel. 1,766,192; June 24.
- Gun, Synchronized machine. O. A. Ross. 1,782,148; Nov. 18.
- Gun with removable liner. G. M. Wells and G. M. McCann. 1,772,505; Aug. 12.
- Gun with tube recoil, Field. V. Hammar. 1,754,943; Apr. 15.
- Guns and the like, Wad for whale. K. E. H. Engberg. 1,752,243; Mar. 25.
- Guns, Breech structure of. G. M. McCann. 1,757,257; May 6.
- Guns, Combined automatic breech closing and opening and loading mechanism for automatic. N. E. Methlin. 1,750,724; Mar. 18.
- Guns, etc., on moving objects, Apparatus for automatically training. H. A. Droitcour. 1,747,664; Feb. 18.
- Guns, Interchangeable barrel for. E. A. Williams. 1,760,731; May 27.
- Guns, Loading device for semiautomatic naval. R. de Courseulles. 1,753,850; Apr. 8.
- Guns, Sighting device for. J. Becker, H. Just, and H. Hort. 1,758,273; May 13.
- Gut, Method of and apparatus for cleaning. G. L. Matthews. 1,763,002; June 10.
- Gut or the like, Apparatus for and method of twisting. G. L. Matthews. 1,758,007; May 13.
- Gutter construction. P. F. Flagge. 1,780,553; Nov. 4.
- Gutter cutter. J. B. Scullin. 1,754,837; Apr. 15.
- Gutter, Wooden. A. C. Long. Des. 82,271; Oct. 14.
- Guy attachment for poles. R. G. Williams. 1,742,839; Jan. 7.
- Guy clamp, Portable. F. W. Coffing. 1,769,332-3; July 1.
- Guy clip. J. R. Kearney. 1,783,967; Dec. 9.
- Guy rod and making it. C. L. Peirce, jr. 1,753,216; Apr. 8.
- Gymnastic apparatus, Demountable. M. P. Daragon. 1,779,903; Oct. 28.
- Gynecological instrument. A. L. McGowan. 1,758,082; May 13.
- Gypsum, Continuous calcination of. A. W. Tyler. 1,746,294; Feb. 11.
- Gypsum product, Cellular. G. A. New. 1,770,797; July 15.
- Gypsum wall board. G. A. New. 1,787,163; Dec. 30.
- Gyratory crusher. R. Bernhard. 1,780,459; Nov. 4.
- Gyratory crusher. J. E. Kennedy. 1,754,895; Apr. 15.
- Gyrocompass. S. G. Brown. 1,777,958; Oct. 7.
- Gyrocompass reversing contact. C. B. Mills. 1,782,048; Nov. 18.
- Gyrocompasses, Latitude adjustment for. R. E. Gillmor and R. F. Deimel. 1,784,848; Dec. 9.
- Gyroscope. J. M. Boykow. 1,764,714; June 17.
- Gyroscopic and aerodynamic stabilizer. N. Clark. 1,770,199; July 8.
- Gyroscopic direction finder. A. P. Davis. 1,773,172; Aug. 19.
- Gyroscopic group for automatically stabilizing and steering aeroplanes. L. Marmonier. 1,768,128; June 24.
- Gyroscopic indicating instrument. S. G. Brown. 1,781,746; Nov. 18.
- Gyroscopic instrument, Stabilized. G. E. Methvin. 1,763,806; June 17.
- Haberdashery, Self-service. C. E. Stocks. 1,766,409; June 24.
- Hæmoglobin chart. A. Feinberg. 1,769,777; July 1.
- Hafnium and zirconium salts, Converting. J. H. de Boer. 1,771,557; July 29.
- Hair and scalp treating apparatus. E. O. Fredericks. 1,780,182; Nov. 4.
- Hair and wool with chlorine, Treating animal. E. Bohm. 1,756,723; Apr. 29.
- Hairbrush. W. H. Blake. 1,770,602; July 15.
- Hair clamp. P. E. Herrmann. 1,761,830; June 3.
- Hair clasp. D. E. Treloar. 1,767,720; June 24.
- Hair clipper. I. Berliner, A. Berliner, and S. Berliner. 1,777,113; Sept. 30.
- Hair clipper. W. H. Kelly. 1,758,747; May 13.
- Hair clipper. M. W. McArdle and J. H. Donnellon. 1,753,750; Apr. 8.
- Hair clipper, Electric. C. L. Volz. 1,746,567; Feb. 11.
- Haircloth. P. Junas, jr. 1,782,925; Nov. 25.
- Hair-curling apparatus. P. Santurello. 1,760,320; May 27.
- Hair-curling appliance. W. G. Shelton. 1,745,275; Jan. 28.
- Hair-cutting apparatus. G. Girard. 1,753,652; Apr. 8.
- Hairdressing accessory. J. Oppenheim. 1,775,209; Sept. 9.
- Hairdressing accessory. J. Oppenheim. 1,780,766; Nov. 4.
- Hairdressing device. L. M. Noto. 1,753,314; Apr. 8.
- Hair drier. E. A. McGinnis. 1,765,379-80; June 24.
- Hair drier. W. Meyer. 1,785,418; Dec. 16.
- Hair drier. D. C. Mosier. 1,764,462; June 17.
- Hair drier. O. Norden. 1,781,879; Nov. 18.
- Hair drier. E. N. Potvin. 1,786,223; Dec. 23.
- Hair drier. J. W. Rainey. 1,762,588; June 10.
- Hair drier. W. G. Shelton. 1,760,997; Jan. 3.
- Hair drier. E. F. Suter. 1,775,704; Sept. 16.
- Hair drier, Electrical. H. G. Levy. 1,744,586; Jan. 21.
- Hair drier, Sanitary. L. Mazade. 1,761,269; June 3.
- Hair drying and treating apparatus. B. F. Jancke and J. E. Kelley. 1,787,251; Dec. 30.
- Hair-drying apparatus. H. P. Adams. 1,747,342; Feb. 18.
- Hair-drying apparatus. V. N. Nicosia. 1,782,626; Nov. 25.
- Hair-drying apparatus. C. Van Der Heuel. 1,780,969; Dec. 30.
- Hair-drying device. R. Bishinger. 1,751,573; Mar. 25.
- Hair-drying device. F. Troccoli. 1,746,973; Feb. 11.
- Hair-drying hood. W. A. Gunter and C. F. Griesser. 1,784,139; Dec. 9.
- Hair-drying machine. P. E. Gaire. 1,743,963; Jan. 14.

- Hair-drying machine. A. Troccoli. 1,773,083; Aug. 12.
 Hair for dolls' heads, Artificial. V. Keney. 1,783,721; Dec. 2.
 Hair gland and nerve agitator, Mechanical. A. R. Wilcox. 1,786,047; Dec. 23.
 Hair heater. H. W. Peavler. 1,775,440; Sept. 9.
 Hair, Means for retaining bobbed. F. O'Neal. 1,751,596; Mar. 25.
 Hair-permanent-waving apparatus. H. Bonat. 1,756,451; Apr. 29.
 Hair-permanent-waving heater. H. Bonat. 1,774,586; Sept. 2.
 Hairpin. H. M. Armstrong. 1,785,885; Dec. 23.
 Hairpin. H. T. Austin. 1,742,181; Jan. 7.
 Hairpin. E. D. Davis. 1,752,893; Apr. 1.
 Hairpin. C. A. Dies. 1,781,324; Nov. 11.
 Hairpin. I. H. Peck. 1,765,938; June 24.
 Hair, Preparing. L. Zeitlin. 1,766,476; June 24.
 Hair puller. M. Binz. 1,743,590; Jan. 14.
 Hairspring-securing means for instruments. L. Berg. 1,760,857; May 27.
 Hair to be worked into felt, Preparing. H. Wagner. 1,778,473; Oct. 14.
 Hair-treating implement. P. E. Gaire. 1,747,110; Feb. 11.
 Hair-treating implement, Electrical. S. Harper. 1,772,002; Aug. 5.
 Hair-treating machine. P. E. Gaire. 1,783,610; Dec. 2.
 Hair trimming and singeing instrument, Electrical. S. O. Chase. 1,744,525; Jan. 21.
 Hair-wave rod, Permanent-. W. B. Tubbs. 1,743,695; Jan. 14.
 Hair waver. H. H. Cady. 1,783,108; Nov. 25.
 Hair waver. F. Chretien. 1,743,267; Jan. 14.
 Hair waver. R. Ehrlich. 1,775,991; Sept. 16.
 Hair waver. N. Fulton. 1,765,068; June 17.
 Hair waver. A. Goodman and J. Goodman. 1,776,116; Sept. 30.
 Hair waver. M. T. McGrath. 1,774,390; Aug. 26.
 Hair waver. P. and S. Moskovitz. 1,771,686; July 29.
 Hair waver and method. A. E. Walsh. 1,774,120; Aug. 26.
 Hair waver, Double. A. and J. Goodman. 1,782,650; Nov. 25.
 Hair waves, Device for permanent. S. Lupes. 1,755,221; Apr. 22.
 Hair waving. F. D. Snell. 1,776,820; Sept. 30.
 Hair waving. F. D. Snell. 1,780,449; Nov. 4.
 Hair waving and curling, Device for use in. A. Craig. 1,759,097; May 20.
 Hair-waving apparatus. H. Bonat. 1,744,440; Jan. 21.
 Hair-waving apparatus. A. G. Borden. 1,770,968; July 22.
 Hair-waving apparatus. C. H. McCoy. 1,778,268; Oct. 14.
 Hair-waving apparatus. C. H. McCoy. 1,779,819; Oct. 28.
 Hair-waving apparatus. A. H. Opperman. 1,747,787; Feb. 18.
 Hair-waving apparatus. A. H. Opperman. 1,768,924; July 1.
 Hair-waving apparatus. A. H. Opperman. 1,786,313; Dec. 23.
 Hair-waving apparatus, Permanent-. H. Hanover. 1,756,740; Apr. 29.
 Hair-waving appliance. G. Dinger. 1,779,905; Oct. 28.
 Hair-waving appliance. O. J. Elam. 1,776,968; Sept. 30.
 Hair-waving appliance. W. G. Shelton. 1,778,870; Oct. 21.
 Hair-waving appliance and method. R. G. Leland. 1,779,280; Oct. 21.
 Hair-waving appliance, Permanent-. A. G. Borden. Re17,832; Oct. 21.
 Hair-waving appliance, Permanent-. A. G. Borden. 1,771,613; July 29.
 Hair-waving appliance, Permanent-. J. Mayer. Re17,585; Feb. 11.
 Hair-waving device. R. O. Caruso. 1,757,557; May 6.
 Hair-waving device. J. Girard. 1,763,960; June 17.
 Hair-waving device. A. and J. Goodman. 1,784,429; Dec. 9.
 Hair-waving device. H. M. Hart. 1,768,055; June 24.
 Hair-waving device. B. F. Jancke. Des. 81,586; July 15.
 Hair-waving device. W. G. Shelton. 1,778,838; Oct. 21.
 Hair-waving device. C. Thomas. 1,778,874; Oct. 21.
 Hair-waving device. M. A. Tienken. 1,749,748; Mar. 4.
 Hair-waving device. V. Vryn. 1,777,707; Oct. 7.
 Hair-waving equipment. W. G. Shelton. 1,756,837; Apr. 29.
 Hair-waving equipment. W. G. Shelton. 1,771,584; July 29.
 Hair-waving pad. W. G. Shelton. 1,771,585; July 29.
 Hair-waving wrapper. W. S. Watts. 1,786,881; Dec. 30.
 Hairs from the skin of fells, Method and device for removing the. M. Bloch. 1,783,693; Dec. 2.
 Hall effect, System and apparatus employing the. P. H. Craig. 1,778,796; Oct. 21.
 Hall rack. A. S. Edwards. Des. 81,871; Aug. 26.
 Hall tree. E. J. Mobley. Des. 80,392; Jan. 21.
 Halogen groups in organic compounds by amino groups, Replacing. K. H. T. Pfister. 1,752,998; Apr. 1.
 Halogen substituted aromatic tertiary amines, Manufacturing. G. Kalischer and K. Keller. 1,777,266; Sept. 30.
 Halogen substitution products of olifines, Production of. C. O. Young. 1,752,049; Mar. 25.
 Halogenated aromatic hydrocarbon derivatives, Making. E. C. Britton and W. R. Reed. 1,784,267; Dec. 9.
 Halogenated sulphone phthaleins. W. C. Harden. 1,786,611; Dec. 30.
 Halter. F. J. Hannam. 1,743,889; Jan. 14.
 Halter. O. C. Johnson. 1,747,012; Feb. 11.
 Halter fitting. N. F. Green. 1,747,071; Feb. 11.
 Halter, Rope. E. S. Beckwith. 1,751,226; Mar. 18.
 Ham bag. L. A. O'Lena. 1,749,776; Mar. 11.
 Ham boiler. A. Rispel and L. C. Liedtke. 1,770,431; July 15.
 Ham boiler. H. L. Wheelock. 1,744,428; Jan. 21.
 Hamburger-cake-pressing machine. W. H. Oliver, O. L. Peters, and A. A. Struckhoff. 1,781,339; Nov. 11.
 Hamburger mold. C. C. Comstock. 1,757,447; May 6.
 Hamburger pats and the like, Device for forming. A. A. Berg. 1,749,178; Mar. 4.
 Hame connector. A. J. Ellis. 1,753,045; Apr. 1.
 Hame hook. L. B. Bray. 1,781,975; Nov. 18.
 Hammer. H. A. Ayad. 1,773,931; Aug. 26.
 Hammer. E. W. Cauldwell. 1,770,390; July 15.
 Hammer. J. L. Clark. 1,752,588; Apr. 1.
 Hammer attachment, Pneumatic. J. W. Birdsong. 1,758,822; May 13.
 Hammer, Automatic. R. J. Champayne. 1,777,875; Oct. 7.
 Hammer, Automatic tack. W. D. Burger. 1,753,499; Apr. 8.
 Hammer, Board drop. M. C. Talcott. 1,776,377; Sept. 23.
 Hammer crusher. W. A. Battey. 1,772,533; Aug. 12.
 Hammer crusher. G. W. Borton. 1,781,891; Nov. 18.
 Hammer crusher. G. W. Borton. 1,786,694-5; Dec. 30.
 Hammer drill. P. L. Savage and W. Rhodes. 1,768,216; June 24.
 Hammer, Drop. H. Beché. 1,752,141; Mar. 25.
 Hammer, Electric. L. G. Shook. 1,755,565; Apr. 22.
 Hammer, Fluid-pressure. M. Maximilian. 1,761,784; June 3.
 Hammer, Mechanical. R. Holle. 1,745,694; Feb. 4.
 Hammer, Mechanical. H. Nielsen. 1,770,656; July 15.
 Hammer, Mechanical. A. Pflüger and K. Haage. 1,755,361; Apr. 22.
 Hammer mill. C. A. Jamison. 1,781,904; Nov. 18.
 Hammer mill. W. E. Van Cott. 1,770,442; July 15.
 Hammer, Pneumatic. G. H. Gilman. 1,757,767; May 6.
 Hammer, Pneumatic. J. T. McGrath. 1,752,448; Apr. 1.
 Hammer, Pneumatic. E. W. Stevens. 1,769,081; July 1.
 Hammer, Pneumatic. W. F. Walsh. 1,771,238; July 22.
 Hammer, Power. J. W. Shallenberger. 1,767,485; June 24.
 Hammer, Power-driven. W. Witte. 1,743,840; Jan. 14.
 Hammer, Rotary pivoted. J. P. Polster. 1,753,473; Apr. 8.
 Hammer, Rotary pivoted. J. P. Polster. 1,753,475; Apr. 8.
 Hammer, Rotary pivoted. O. J. Williams. 1,760,097; May 27.
 Hammer, Sledge. F. Schweigert. 1,784,683; Dec. 9.
 Hammer, Spring. R. C. Bowen. 1,775,188; Sept. 9.
 Hammers, Safety device for pneumatic. J. G. Bollock. 1,785,177; Dec. 16.
 Hammock. E. G. Reeder. 1,749,888; Mar. 11.
 Hammock frame. D. N. Lillibridge. 1,744,395; Jan. 21.
 Hand, Artificial. D. W. Dorrance. 1,768,036; June 24.
 Hand, Artificial. W. A. McElroy. 1,742,269; Jan. 7.
 Hand bag. T. D. Gomi. Des. 82,149; Sept. 30.
 Hand bag. J. N. Lowe. 1,751,936; Mar. 25.
 Hand bag. J. N. Lowe. 1,755,548; Apr. 22.
 Hand bag. S. Maksik. 1,769,930; July 8.
 Hand bag. F. J. Quigan. Des. 80,870; Apr. 1.
 Hand bag. L. A. Samstag. 1,756,764; Apr. 29.
 Hand bag. J. Sims. 1,784,759; Dec. 9.
 Hand-bag frame. W. Finkelstein. 1,762,013; June 3.
 Hand bag, Ladies'. N. B. Hussey. 82,747; Dec. 9.
 Hand bag, Lady's. H. Barol. 1,760,681; May 27.
 Hand bag, Lady's. G. Baumann. 1,785,609; Dec. 16.
 Hand bag, Lady's. S. B. Shiffett. 1,775,476; Sept. 9.
 Hand bag, Lady's. R. L. Vaughn. Des. 81,356; June 10.
 Hand bag, Lady's novelty. T. G. Williams. 1,756,048; Apr. 29.
 Hand brake. L. A. Hoerr. 1,761,209; June 3.
 Hand brake. A. F. O'Connor. 1,774,107; Aug. 26.
 Hand brake. J. F. O'Connor. 1,762,413; June 10.
 Hand brake. F. C. Rutz. 1,745,061; Jan. 28.
 Hand brake. W. H. Sauvage. 1,743,981; Jan. 14.
 Hand brake. W. H. Sauvage. 1,753,133; Apr. 1.
 Hand brake. C. A. Zweibel. 1,785,170; Dec. 16.
 Hand brake, Railway-car. A. F. Klasing. 1,749,948; Mar. 11.
 Hand-bundling device. W. H. Gosch and A. Kohout. 1,783,236; Dec. 2.
 Handcuff. W. L. Latou. 1,775,727; Sept. 16.
 Hand for a timepiece or similar article. T. T. Wynn. Des. 81,039; Apr. 22.
 Hand for a timepiece or similar article. T. T. Wynn. Des. 81,041; Apr. 22.
 Hand grip and air connector. A. E. Bronson. 1,784,817; Dec. 16.
 Handgrip, Automobile. R. Broder. 1,783,954; Dec. 9.
 Handhole plate. A. J. Moses and F. H. Wright. 1,783,129; Nov. 25.
 Handkerchief. W. O. Line. 1,785,962; Dec. 23.
 Handkerchief. F. E. Rochester. 1,772,228; Aug. 5.
 Handkerchief and making the same, Sham. M. Lichter. 1,742,607; Jan. 7.
 Handkerchief, Medicated. J. Greenberg. 1,775,998; Sept. 16.

- Hand or angle piece for dental purposes. H. Stark. 1,753,352; Apr. 8.
- Hand or finger grip. W. F. Pelton. 1,761,582; June 3.
- Handrail and support therefor, Flexible. W. O. Hartman. 1,782,895; Nov. 25.
- Handrail for bathtubs. A. Wiebmer. 1,775,301; Sept. 9.
- Hand rake. A. W. LaForte. 1,757,201; May 6.
- Handsaw, Electric. W. P. Casey. 1,779,031; Oct. 21.
- Handwear, Rubberized. P. H. Watkins. 1,769,977; July 8.
- Handle: See—
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| Adjustable handle. | Receptacle handle. |
| Basket handle. | Saw handle. |
| Casket handle. | Scythe-snath handle. |
| Coffeepot handle. | Shell handle. |
| Door handle. | Shovel handle. |
| Insulated handle. | Tool handle. |
| Knife handle. | Umbrella handle. |
| Lamp-guard handle. | Utensil handle. |
| Mop handle. | Window-regulator handle. |
| Razor handle. | |
- Handle. W. Blaskewitz. 1,760,868; June 3.
- Handle. E. A. Bolinder. 1,749,752; Mar. 11.
- Handle. F. Brandon. 1,783,107; Nov. 25.
- Handle. J. L. Brownell. Des. 82,600; Nov. 25.
- Handle. C. S. Crickmer. 1,784,223; Dec. 9.
- Handle. C. S. Crickmer. 1,785,111; Dec. 16.
- Handle. E. L. Delany. 1,787,105; Dec. 30.
- Handle. W. R. Diamond. 1,772,096; Aug. 5.
- Handle. G. Graff. Des. 80,519; Feb. 18.
- Handle. A. H. Racicot. 1,747,647; Feb. 18.
- Handle-adjusting means. C. S. Trippeda and A. J. Dichiaro. 1,756,801; Apr. 29.
- Handle and lock for motor cars, Valve-control. A. M. Craig. 1,760,347; May 27.
- Handle-arresting mechanism for coin-controlled machines. L. H. Larsen and C. W. Nixon. 1,752,643; Apr. 1.
- Handle assembly. F. Kuhn. 1,780,825-6; Nov. 4.
- Handle attachment. R. R. Potter. 1,754,767; Apr. 15.
- Handlebar for bicycles, motor bicycles, and the like vehicles, Adjustable. C. E. Broberg. 1,756,339; Apr. 29.
- Handle, blade support, and guard, Combined safety-razor. J. T. Scully. Des. 82,453; Nov. 4.
- Handle-connecting trim member. J. Birbaum. 1,775,843; Sept. 16.
- Handle connection for calculating machines, Flexible. O. D. Johantgen. 1,757,669; May 6.
- Handle construction. N. C. Husted. 1,770,137; July 8.
- Handle construction. LeR. C. Schenck. 1,765,775; June 24.
- Handle construction, Tool-. H. W. Earnshaw. 1,771,779; July 29.
- Handle escutcheon for automobile hardware or the like. J. S. Gullborg. Des. 82,676; Dec. 2.
- Handle for a tray or similar article. S. W. Farber. Des. 80,309; Jan. 14.
- Handle for automobile doors, Latch-operating. R. Marple. 1,755,833; Apr. 22.
- Handle for automobile hood catch. A. Claud-Mantle. Des. 80,662; Mar. 4.
- Handle for automobile hood catch. R. G. Moore and F. P. Sargent. Des. 80,663-4; Mar. 4.
- Handle for automobile window lifter or the like. J. S. Gullborg. Des. 82,674-5; Dec. 2.
- Handle for baggage or luggage. M. Levi. 1,742,867; Jan. 7.
- Handle for baskets. R. P. Young. 1,775,504; Sept. 9.
- Handle for can, Detachable and adjustable. J. A. Fields. 1,748,758; Feb. 25.
- Handle for coffee makers. A. M. Boever. Des. 81,914; Sept. 2.
- Handle for door of automobile or the like. J. S. Gullborg. Des. 82,673; Dec. 2.
- Handle for flowerpots and saucers. H. P. Hanson. 1,756,461; Apr. 29.
- Handle for fly swatters and other utensils and implements. W. H. A. Emanuel. Ref. 1,731; July 15.
- Handle for implements. D. F. Hervey. 1,762,718; June 10.
- Handle for manually-propelled implements. C. A. Xardell. 1,754,706; Apr. 15.
- Handle for percussive tools, Spring. F. A. Jimerson. 1,760,985; June 3.
- Handle for pie tins, Detachable. L. P. Thompson. 1,746,093; Feb. 4.
- Handle for pipe cleaners. C. Fischer. 1,782,871; Nov. 25.
- Handle for smokers' stands or article of analogous nature. F. J. Abel. Des. 82,409; Nov. 4.
- Handle for stove doors and the like. A. G. Sherman. Des. 80,291-2; Jan. 7.
- Handle for tennis rackets and the like. H. W. Norton. 1,750,644; Mar. 18.
- Handle for tools. G. J. Crossman, jr. 1,762,679; June 10.
- Handle for tools. J. T. Scully. 1,783,346; Dec. 2.
- Handle for traveling bags and the like. B. H. Shwayder. 1,774,949; Sept. 2.
- Handle for trowels. J. R. Troutner. 1,786,043; Dec. 23.
- Handle for valves and the like. G. B. Pickup. Des. 82,175; Sept. 30.
- Handle for wooden baskets. H. W. Kramer. 1,782,431; Nov. 25.
- Handle grip. C. Marienthal. 1,751,414; Mar. 18.
- Handle grip, Composite gear-shift. J. D. Pembleton. 1,763,566; June 10.
- Handle, Motor-vehicle window-regulator. G. Graff. Des. 82,822; Dec. 16.
- Handle mounting. J. B. Flynn. 1,764,945; June 17.
- Handle or similar article for an automotive vehicle, Outside door. W. Schnell. Des. 81,158; May 13.
- Handle or similar article, Knife. W. J. Matt. Des. 82,573-4; Nov. 18.
- Handle or similar article, Motor-vehicle door. W. Schnell. Des. 80,400; Jan. 21.
- Handle or similar article, Motor-vehicle door. W. Schnell. Des. 81,556; July 8.
- Handle or similar article, Motor vehicle door. G. Graff. Des. 82,883; Dec. 23.
- Handle or similar article, Umbrella. A. Knoedler. Des. 81,985; Sept. 9.
- Handle plate, Front-door. W. R. Schlage. Des. 80,748; Mar. 18.
- Handle structure. G. Graff and H. B. Haskins, and G. E. Gunther. 1,753,700; Apr. 8.
- Handle tightener, Adz. P. Hennessy. 1,775,765; Sept. 16.
- Handling and transport of building blocks and the like. J. Van Item. 1,749,249; Mar. 4.
- Handling apparatus for tile. V. J. Hultquist. 1,770,406; July 15.
- Handling device and process, Heddle-. A. F. Houston. 1,747,775; Feb. 18.
- Handling, holding, storing, and displaying rolls of linoleum, fabric, and other material in the form of rolls. H. Elliott. 1,750,582; Mar. 11.
- Handling machine. Hay and grain. J. L. Murphy. 1,755,016; Apr. 15.
- Handling material. R. T. Romine. 1,772,735; Aug. 12.
- Handling material, Method and apparatus for. R. T. Romine. 1,745,055; Jan. 28.
- Handling metal, Apparatus and method for. R. T. Romine. 1,745,054; Jan. 28.
- Handling metal, Method and apparatus for. R. T. Romine. 1,745,050; Jan. 28.
- Handling plant, Material-. C. P. Ross. 1,746,743; Feb. 11.
- Handles, Ear for burial-casket. R. P. Henderson. Des. 82,086-7; Sept. 23.
- Handles, Ear for burial-casket. R. P. Henderson. Des. 82,939-40; Dec. 30.
- Handles, Making shovel. E. Stauter and L. N. Kimerer. 1,774,770; Sept. 2.
- Handrail for fire escapes. R. W. Downes. 1,752,589; Apr. 1.
- Handsaw. W. Hückinghaus. 1,750,472; Mar. 11.
- Handsaw, Combination. W. J. Morren. 1,754,035; Apr. 8.
- Handsaw, Portable power. F. L. Campbell. 1,745,293; Jan. 28.
- Hangar, Aeroplane. W. R. Watt. 1,780,102; Oct. 28.
- Hangar for airships. O. Krell. 1,752,911; Apr. 1.
- Hanger: See—
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| Beam hanger. | Map hanger. |
| Book hanger. | Mold or plate hanger. |
| Cable hanger. | Pants hanger. |
| Ceiling hanger. | Picture hanger. |
| Closure hanger. | Pipe hanger. |
| Clothes hanger. | Radiator hanger. |
| Contact hanger. | Screen and storm-sash hanger. |
| Cord hanger. | Screen hanger. |
| Door hanger. | Screw-conveyer hanger. |
| Drapery hanger. | Shade hanger. |
| Eaves-trough hanger. | Stocking hanger. |
| Fixture hanger. | Swing hanger. |
| Garment hanger. | Tie-bar hanger. |
| Joist hanger. | Tie hanger. |
| Lamp hanger. | Trousers hanger. |
| Laundry hanger. | |
- Hanger. B. H. Carpenter. 1,769,015; July 1.
- Hanger. G. W. Clausing. 1,768,543; July 1.
- Hanger. H. H. Honigbaum. Des. 82,261; Oct. 14.
- Hanger. C. E. Hoppes. 1,764,077; June 17.
- Hanger and stretcher, Garment. H. E. Staley. 1,756,221; Apr. 29.
- Hanger attachment, Garment-. H. Schwartzman. 1,768,005; June 24.
- Hangar equipment. C. Bellmann. 1,751,721; Mar. 25.
- Hanger for air cables. O. A. Grönberg. 1,749,669; Mar. 4.
- Hanger for articles to be plated. L. Lichtman. 1,749,952; Mar. 11.
- Hanger for articles to be plated. L. Lichtman. 1,750,807; Mar. 18.
- Hanger for articles to be plated. L. Lichtman. 1,755,122-3; Apr. 15.
- Hanger for forms on steel beam construction. F. Kahn. 1,784,448; Dec. 9.
- Hanger for frames and the like. J. A. Hoegger. 1,745,574; Feb. 4.
- Hanger for outlet boxes, etc., Bar. M. M. Clayton. 1,754,849; Apr. 15.
- Hanger for pipes. C. M. Buller. 1,773,474; Aug. 19.
- Hanger for pitmen, Oscillating. B. Boykin, jr. 1,776,649; Sept. 23.
- Hanger for roller shades, Supporting. C. W. Simpson. 1,771,015; July 22.
- Hanger for sliding doors, gates, and other structures. H. H. Suplee. 1,774,908; Sept. 2.
- Hanger for towels, ties, and similar articles. H. G. Bishop. 1,760,339; May 27.
- Hanger hook. F. Smith. Des. 80,640; Mar. 4.

- Hanging bacon bellies in smoke. W. D. Honohan. 1,745,013; Jan. 28.
 Hanging device, Hat and clothes. E. D. Pratt. 1,774,524; Sept. 2.
 Harbor, Floating. C. W. King. 1,750,224; Mar. 11.
 Hardening process. A. B. Kinzel. 1,747,549; Feb. 18.
 Hardness-measuring means. A. L. De Leew. 1,768,512; June 24.
 Hardness tester, Automatic. C. H. Wilson. 1,762,497; June 10.
 Hardness-testing apparatus. F. Mohr. 1,771,858; July 29.
 Hardness-testing method and apparatus. C. H. Wilson. 1,762,498; June 10.
 Harmonic eliminator. P. W. Blye. 1,772,509; Aug. 12.
 Harmonic producer. R. S. Ohl. 1,765,606; June 24.
 Harmonic producer. R. S. Ohl. 1,769,270; July 1.
 Harmonic suppressor. O. H. Berthold. 1,773,772; Aug. 26.
 Harmonica. W. J. Haussler. 1,752,988; Apr. 1.
 Harmonium, Portable. A. Caruso. 1,778,885; Oct. 21.
 Harness. H. V. Hanson. 1,752,525; Apr. 1.
 Harness. L. Schroeder. 1,756,886; Apr. 29.
 Harness, Aviator's. S. H. Knight. 1,769,520; July 1.
 Harness-control mechanism for pattern weaving. J. O. Corn. 1,752,237; Mar. 25.
 Harness-frame-leveling mechanism. H. W. Thatcher. 1,759,673; May 20.
 Harness, Gaiting. H. R. Smalley. 1,759,172; May 20.
 Harness, Infant's. F. W. Rowland. 1,779,337; Oct. 21.
 Harness, Measuring. M. G. Couture. 1,784,888; Dec. 16.
 Harness, Pattern-cutting. M. G. Couture. 1,784,839; Dec. 16.
 Harp action. V. Hull. 1,775,462; Sept. 9.
 Harrow. J. A. Anderson. 1,742,678; Jan. 7.
 Harrow. J. L. Brewton. 1,757,512; May 6.
 Harrow. W. D. Dewend. 1,767,654; June 24.
 Harrow. D. D. Dickinson. 1,786,194; Dec. 23.
 Harrow. H. Heitmuller. 1,781,459; Nov. 11.
 Harrow. J. F. Hill. 1,749,074; Mar. 4.
 Harrow. J. M. Hjermstad. 1,754,103; Apr. 8.
 Harrow. E. R. Jansson. 1,744,312; Jan. 21.
 Harrow. J. Jensen. 1,757,865; May 6.
 Harrow. H. R. McLeod and C. Hohm. 1,775,316; Sept. 9.
 Harrow. W. R. Peterson. 1,768,993; July 1.
 Harrow. H. Stone. 1,755,229; Apr. 22.
 Harrow. J. Sutton. 1,746,092; Feb. 4.
 Harrow. L. Svancara. 1,759,965; May 27.
 Harrow. B. C. Wolf. 1,762,907; June 10.
 Harrow and scraper, Combination. H. A. Swensson. 1,786,510; Dec. 30.
 Harrow and tooth thereof. G. J. Budd. 1,784,655; Dec. 9.
 Harrow attachment for plows. F. L. Ashenurst. 1,776,176; Sept. 16.
 Harrow, Disk. J. E. Boda. 1,753,198; Apr. 8.
 Harrow, Disk. S. S. Furrer. 1,781,171; Nov. 11.
 Harrow, Drag. C. J. L. Dyer. 1,784,182; Dec. 9.
 Harrow, Fertilizer-mixing. A. W. Mariner. 1,744,910; Jan. 28.
 Harrow-frame adjustment, Wheeled. J. H. Flatley and F. C. Hoy. 1,757,956; May 13.
 Harrow, Lister corn. M. Plein. 1,761,491; June 3.
 Harrow, Spike-tooth. C. Gaubatz. 1,756,820; Apr. 29.
 Harrow, Tandem. H. E. Altgelt. 1,777,512; Oct. 7.
 Harrow teeth. B. B. Perkins. 1,751,493; Mar. 25.
 Harrow tooth. S. C. Lemmons. 1,765,082; June 17.
 Harrow tooth. S. C. Lemmons. 1,773,537; Aug. 19.
 Harrow, Tractor. W. R. Peterson. 1,748,392; Feb. 25.
 Harrow, Tractor disk. W. R. Peterson. 1,748,393; Feb. 25.
 Harrow, Wheeled. R. H. Johnson and O. E. Szekely. 1,762,633; June 10.
 Harrows and the like, Distributing attachment for. J. C. Pridgen. 1,764,853; June 17.
 Harrows and the like, Spring tooth for. A. W. Reynolds. 1,784,613; Dec. 9.
 Harrows, Attachment for. H. Jess. 1,751,158; Mar. 18.
 Harrows, Disk-mounting attachment for. G. V. Beckman. 1,781,428; Nov. 11.
 Harrows, Flexible hinged drawbar for. N. Christiansen and C. Mortensen. 1,784,576; Dec. 9.
 Harrows, Grass-pulling attachment for spring-toothed. J. H. Pixley. 1,780,840; Nov. 4.
 Harrows, Slack-compensating hitch for. A. A. and R. F. Lenhart. 1,744,126; Jan. 21.
 Harvester. C. B. Brown. 1,757,897; May 6.
 Harvester. H. F. Knip and A. List. 1,759,263; May 20.
 Harvester. R. C. Livesay. 1,779,631; Oct. 28.
 Harvester. M. Stiles. 1,757,848; May 6.
 Harvester and picker, Cotton. J. Darbonne, jr. 1,749,468; Mar. 4.
 Harvester and thrasher, Combined. D. D. Fehr. 1,772,627; Aug. 12.
 Harvester, Asparagus. H. Sanborn. 1,775,142; Sept. 9.
 Harvester, Bean. W. L. Bettex and C. L. Brenner. 1,758,555; May 13.
 Harvester, Bean. R. L. Park. 1,776,129; Sept. 16.
 Harvester, Beet. W. B. Conrad. 1,768,396; June 24.
 Harvester, Beet. L. W. Eversman. 1,781,919; Nov. 18.
 Harvester, Beet. G. M. and C. Feuerstein. 1,765,224; June 17.
 Harvester, Beet. O. M. McGuire. 1,781,952; Nov. 18.
 Harvester, Beet. R. C. Zuckerman. 1,748,746; Feb. 25.
 Harvester blunder. N. R. Nelson. 1,754,962; Apr. 15.
 Harvester, Broomcorn. A. Smith. 1,781,961; Nov. 18.
 Harvester, Cane. W. H. Morgan. 1,763,632; June 10.
 Harvester, Cane. E. Murphy. 1,774,450; Aug. 26.
 Harvester, Corn. J. M. Baier. 1,749,749; Mar. 11.
 Harvester, Cotton. A. E. Benson. 1,762,045; June 3.
 Harvester, Cotton. C. F. Callahan. 1,763,646; June 17.
 Harvester, Cotton. C. N. Godwin. 1,745,925; Feb. 4.
 Harvester, Cotton. B. Hestand. 1,767,979; June 24.
 Harvester, Cotton. J. E. Watkins. 1,763,607; June 10.
 Harvester, Ensilage. E. A. Johnston, G. M. Merwin, and H. A. Watchek. 1,786,850; Dec. 30.
 Harvester, Onion. W. L. Taylor. 1,753,874; Apr. 8.
 Harvester, Onion. R. C. Zuckerman. 1,748,745; Feb. 25.
 Harvester, Potato. W. H., sr., and E. M. Allen. 1,749,205; Mar. 4.
 Harvester, Potato. H. N. Palmer. 1,747,645; Feb. 18.
 Harvester, Potato. D. A. Rice. 1,771,447; July 29.
 Harvester, Potato. E. Sanders. 1,750,362; Mar. 11.
 Harvester, thrasher, and separator, Combination. W. C. Edwards, jr. 1,764,040; June 17.
 Harvester thrasher, Combination. L. R. Clausen. 1,748,831; Feb. 25.
 Harvester thrasher, Combination. W. C. Edwards, jr. 1,764,041; June 17.
 Harvester thrasher, Combination. W. F. MacGregor. 1,744,978; Jan. 28.
 Harvester thrasher, Combination. J. A. Walsh. 1,784,121; Dec. 9.
 Harvester thrashers, Leveling and aligning device for. C. R. Raney and A. E. W. Johnson. 1,748,559; Feb. 25.
 Harvester, Windrow. H. H. Hanson. 1,772,440; Aug. 5.
 Harvesters, Gathering, snapping, and husking rolls for corn. H. J. Kuhlman. 1,764,686; June 17.
 Harvesters, Supporting and driving attachment for tractor-operated corn. W. R. Stanfield. 1,755,524; Apr. 22.
 Harvesting and husking machine, Corn. D. and D. Currie. 1,777,798; Sept. 16.
 Harvesting and thrashing machine, Combined. W. L. Hanlon. 1,765,582; June 24.
 Harvesting apparatus, Corn-. J. Webb. 1,752,216; Mar. 25.
 Harvesting device, Ice-. G. B. Bright. 1,751,617; Mar. 25.
 Harvesting machine. T. A. Boor. 1,743,013; Jan. 7.
 Harvesting machine. J. S. Blenski. 1,778,023; Oct. 14.
 Harvesting machine. E. Friis-Hansen. 1,782,261; Nov. 18.
 Harvesting machine. A. Kerns. 1,768,324; June 24.
 Harvesting machine. W. E. Urschel. 1,775,149; Sept. 9.
 Harvesting machine. W. E. Urschel. 1,784,081; Dec. 9.
 Harvesting machine, Beet-. F. Driscoll. 1,768,196; June 24.
 Harvesting machine, Corn-. J. Powell. 1,785,647; Dec. 16.
 Harvesting machine, Cotton-. J. E. Mitchell. 1,760,312; May 27.
 Harvesting of flax and other crops. A. Proctor. 1,746,868; Feb. 11.
 Harvesting system, Ice-. R. L. Shipman. 1,745,277; Jan. 28.
 Hasp. R. M. Hallam and W. E. Amberg. 1,785,772; Dec. 23.
 Hasp construction. R. A. Lehnhoff. 1,768,205; June 24.
 Hasp construction. G. Madland and W. W. Darrow. 1,768,124; June 24.
 Hasp fastening. L. A. Heil. 1,777,085; Sept. 30.
 Hasp fastening. E. A. Sweecley and N. T. Anderson. 1,777,053; Sept. 30.
 Hat. D. Cash. Des. 80,778; Mar. 25.
 Hat. J. C. Gustavson. 1,765,723; June 24.
 Hat. J. Lake, jr. 1,753,052; Apr. 1.
 Hat. J. S. Marzak. 1,755,300; Apr. 22.
 Hat. J. Sather. 1,761,368; June 3.
 Hat. C. Solomon. 1,783,549; Dec. 2.
 Hat. C. Steinberg. 1,784,470; Dec. 9.
 Hat. M. Treiman. Des. 80,716; Mar. 11.
 Hat. E. Wittcoff. 1,748,375; Feb. 25.
 Hat. E. Wittcoff. 1,755,198; Apr. 22.
 Hat. E. Wittcoff. 1,774,074; Aug. 26.
 Hat. E. Wittcoff. 1,783,760; Dec. 2.
 Hatband assembly. S. M. Brenner. 1,773,514; Aug. 19.
 Hatband, Ventilating. C. A. McKisson. 1,771,544; July 29.
 Hat block. F. E. Kauffmann. 1,742,397; Jan. 7.
 Hat bodies and similar materials, Apparatus for dyeing. K. F. Kraney. 1,756,599; Apr. 29.
 Hatbox. G. Bruer. 1,784,333; Dec. 9.
 Hatbox. O. J. Walinsky. 1,743,833; Jan. 14.
 Hatbox, Wardrobe. S. Balin. 1,752,772; Apr. 1.
 Hat brim. H. Rolnick. 1,785,325; Dec. 16.
 Hat-brim-curling machine. S. J. Miller. 1,762,557; June 10.
 Hat-cleaning apparatus. W. Wilson. 1,757,821; May 6.
 Hat-clipping machine. J. F. Doran. 1,763,347; June 10.
 Hat, coat, shoe, and umbrella stand, Combination. P. L. Pieri. Des. 80,453; Feb. 4.
 Hat construction. R. K. Reynolds. 1,772,288; Aug. 5.
 Hat construction, Straw-. F. H. Lee. 1,771,980; July 29.
 Hat-forming die. I. Kiwad. 1,779,401; Oct. 21.
 Hat iron and steamer. D. Freedlein. 1,749,667; Mar. 4.
 Hat lining and apparatus for making the same, Pleated. A. Kurtz. 1,763,468; June 10.
 Hat making. F. M. Bartlett and B. F. Hartwell. 1,786,327; Dec. 23.

- Hat-making machine. I. A. Eichenbaum. 1,783,112; Nov. 25.
- Hat, Novelty. G. W. Barnes. 1,745,240; Jan. 28.
- Hat-pouncing machine. J. F. Doran. 1,771,708; July 29.
- Hat-pouncing machine. J. F. Doran. 1,774,173; Aug. 26.
- Hat, Safety. E. W. Bullard. 1,770,376; July 15.
- Hat, Safety. E. W. Bullard. 1,776,249; Sept. 23.
- Hat ventilator. W. H. Brooker. 1,758,142; May 13.
- Hat ventilator. K. A. Streubel. Des. 82,064; Sept. 16.
- Hats and the like, Attachment for. C. E. Guy. 1,745,416; Feb. 4.
- Hats and the product thereof, Making. C. Lipper. 1,785,637; Dec. 16.
- Hats, Process and machine for felting bats for. E. Brecht. 1,771,839; July 29.
- Hatter's cone. G. H. Newland and W. H. Wood. 1,776,699; Sept. 23.
- Hatch construction. H. E. Grieshaber. 1,772,459; Aug. 12.
- Hatch for submarines, Escape. H. E. Grieshaber. 1,779,429; Oct. 28.
- Hatch loading in the rain for ships or the like, Apparatus for enabling. S. Tsuji. 1,780,322; Nov. 4.
- Hatcher, Egg. L. A. Marshall. 1,781,336; Nov. 11.
- Hatches, Covering cargo. E. H. Ewertz and J. T. Dalcher. 1,777,880; Oct. 7.
- Hatchet. W. C. Miller. 1,757,538; May 6.
- Haulage apparatus. O. E. Clark. 1,752,333; Apr. 1.
- Haulage system for mines. N. D. Levin. 1,772,548; Aug. 12.
- Haulage system for mines. N. D. Levin. 1,773,087; Aug. 12.
- Hauling unit. G. C. Jett. 1,785,124; Dec. 16.
- Hawk, Plasterer's collapsible. H. C. Riege. 1,773,437; Aug. 19.
- Hay carrier. H. J. Ferris. 1,759,549; May 20.
- Hay loader. V. Bal. 1,782,227; Nov. 18.
- Hay loader. B. Toms. 1,768,171; June 24.
- Hay-loader attachment, Auxiliary. F. Schabloski. 1,773,122; Aug. 19.
- Hay stacker, Extension. J. H. Cope. 1,773,302; Aug. 19.
- Hay stacker, Extension. J. H. Cope. 1,774,052; Aug. 26.
- Hay-sweeping means. L. Butler. 1,773,446; Aug. 19.
- Haying machine. T. E. Ross. 1,746,968; Feb. 11.
- Head for extruding machines. V. Royle. 1,768,790; July 1.
- Head for golf and similar clubs. F. H. Schavoir. 1,768,792; July 1.
- Head for lighting units. C. F. Haas. Des. 81,639-41; July 22.
- Head for puncturing closure disks. S. E. Allen and O. N. Wiswell. 1,782,020; Nov. 18.
- Head gate. A. Crill. 1,768,120; June 24.
- Head gate, Portable irrigation. H. A. Ballard. 1,784,955; Dec. 16.
- Head guard. J. Erario. 1,759,738; May 20.
- Head lamp. S. F. Arbuckle. 1,772,767; Aug. 12.
- Head lamp of motor road vehicles. P. F. Howse. 1,770,136; July 8.
- Head motion for concentrators. L. E. Spear. 1,774,769; Sept. 2.
- Head number for horses. P. E. Callen. 1,782,193; Nov. 18.
- Header. W. L. Clouse. 1,766,484; June 24.
- Header for ingot molds. A. Forrest. 1,778,316; Oct. 14.
- Header for water-tube boilers. W. H. Armacost. 1,750,254; Mar. 11.
- Heading die. A. Simons. 1,747,911; Feb. 18.
- Headlight. A. and D. Astrup. 1,780,548; Nov. 4.
- Headlight. J. B. Darlington. 1,758,825; May 13.
- Headlight. R. C. Ferguson. 1,772,660; Aug. 12.
- Headlight. J. D. Hudson. 1,775,960; Sept. 16.
- Headlight. T. J. Keenan. 1,771,300; July 22.
- Headlight. H. G. Lewis. 1,752,273; Mar. 25.
- Headlight. J. Muros. 1,743,793; Jan. 14.
- Headlight. G. W. Stitzer. 1,759,720; May 20.
- Headlight. G. A. Thom. 1,785,332; Dec. 16.
- Headlight. A. J. Walker. 1,754,731; Apr. 15.
- Headlight. E. J. Whalen. 1,775,619; Sept. 9.
- Headlight, Adjustable. A. Kosian. 1,768,613; July 1.
- Headlight adjusting and focusing device. J. Hill. 1,743,546; Jan. 14.
- Headlight, Antiglare. I. L. Edwards. 1,747,819; Feb. 18.
- Headlight, Automobile. C. L. Bigbee and J. Couch. 1,754,141; Apr. 8.
- Headlight, Automobile. C. W. Shippee. 1,764,474; June 17.
- Headlight, Automobile. W. C. Wrenn. 1,746,508; Feb. 11.
- Headlight dimmer. C. W. Boman. 1,767,340; June 24.
- Headlight dimmer, Automatic. G. W. Lorimer. 1,774,101; Aug. 26.
- Headlight, Dirigible. F. R. Dietrich. 1,772,799; Aug. 12.
- Headlight, Dirigible. J. Glennon, sr. 1,758,437; May 13.
- Headlight, Dirigible. J. Helstrom. 1,768,252; June 24.
- Headlight, Dirigible. T. C. Holliday. 1,748,769; Feb. 25.
- Headlight, Dirigible. G. S. Keck and C. M. Cronkhite. 1,764,171; June 17.
- Headlight, Dirigible. G. G. McNee. 1,761,484; June 3.
- Headlight, Dirigible. H. H. Moreton. 1,746,402; Feb. 11.
- Headlight, Dirigible. J. W. Pepper. 1,773,467; Aug. 19.
- Headlight, Dirigible. J. M. Sherwig. 1,780,445; Nov. 4.
- Headlight, Dirigible. W. E. C. Stone. 1,752,861; Apr. 1.
- Headlight, Dirigible. W. V. Van Etten. 1,762,536; June 10.
- Headlight, Dirigible. A. B. Welch. 1,750,077; Mar. 11.
- Headlight, Dirigible. L. L. Witter. 1,765,813; June 24.
- Headlight, Dirigible. E. Zahradnik. 1,758,874; May 13.
- Headlight for automobiles. J. E. Powers. 1,777,625; Oct. 7.
- Headlight for automobiles, Adjustable. S. Orioka. 1,745,313; Jan. 28.
- Headlight for automobiles, Dirigible. J. Jarosz. 1,763,621; June 10.
- Headlight for automobiles, Oscillating. H. Cragg. 1,782,290; Nov. 18.
- Headlight for motor or like vehicles. P. Delaux. 1,758,561; May 13.
- Headlight for motor vehicles, Dirigible. C. M. Mullin. 1,748,558; Feb. 25.
- Headlight for producing multicolored beams. S. F. Arbuckle. 1,772,175; Aug. 5.
- Headlight for vehicles. N. C. Stewart, jr. 1,780,046; Oct. 28.
- Headlight glare shield. E. L. Guin. 1,768,250; June 24.
- Headlight lens. S. F. Arbuckle. 1,744,725; Jan. 28.
- Headlight lens. H. W. Sisson. 1,745,278; Jan. 28.
- Headlight, Locomotive. W. N. Cobbs. 1,780,865; Nov. 4.
- Headlight mounting. G. E. Snyder. 1,781,137; Nov. 11.
- Headlight mounting. K. M. Wise. 1,758,305-6; May 13.
- Headlight, Movable. H. L. Gilmore. 1,779,361; Oct. 21.
- Headlight, Pilot. J. A. Thomas. 1,760,327; May 27.
- Headlight-positioning apparatus. J. D. Guiss. 1,757,665; May 6.
- Headlight socket, Adjustable. S. F. Arbuckle. 1,774,124; Aug. 26.
- Headlight structure, Dirigible. J. Rothermel. 1,777,629; Oct. 7.
- Headlight, Vehicle. A. Kellner. 1,758,746; May 13.
- Headlight, Vehicle. A. C. Menningen. 1,752,349; Apr. 1.
- Headlight visor. J. A. Steele and J. D. Brandes. 1,751,111; Mar. 18.
- Headlights, Antiglare device for automobile. G. Bendixen. 1,774,413; Aug. 26.
- Headlights, Dimmer device for. S. J. Graslewicz. 1,751,582; Mar. 25.
- Headlights, Light-filter. A. C. Jackson. 1,747,635; Feb. 18.
- Headlights, Operating mechanism for dirigible. C. M. Cronkhite. 1,786,007; Dec. 23.
- Headrest. D. G. Cruickshank. 1,744,364; Jan. 21.
- Headrest. I. Herrmann. 1,748,954; Mar. 4.
- Headrest. A. M. Skidmore. 1,746,091; Feb. 4.
- Headrest. F. C. Warfield. 1,754,974; Apr. 15.
- Headrest and clamp, Mastoid. D. M. Ghrist. 1,747,434; Feb. 18.
- Headrest and container, Combined. W. M. Turnbach. 1,771,152; July 22.
- Headrest and strap hanger, Combined automobile. S. Quisling. 1,781,600; Nov. 11.
- Headrest socket for barber chairs. J. R. Emmert. 1,763,294; June 10.
- Headstock. H. E. Kempton and K. F. Gallimore. 1,778,675; Oct. 14.
- Hearing tube. J. M. Lucarelle. 1,775,204; Sept. 9.
- Hearse. W. T. Jacobs. 1,775,463; Sept. 9.
- Hearth furnace, Multiple-. E. J. Fowler and D. Baird. 1,751,142; Mar. 18.
- Hearth furnace, Rotary. O. A. Colby. 1,770,970; July 22.
- Hearth furnace, Rotary-. A. D. Dauch. 1,782,956; Nov. 25.
- Hearths, Operating mechanism for Scotch. H. R. MacMichael. 1,781,025; Nov. 11.
- Heat-absorbing means for sheet-glass apparatus. J. A. Reece. 1,756,798; Apr. 29.
- Heat-absorbing medium. R. B. Kingman. 1,752,670; Apr. 1.
- Heat absorption of tubular boilers with boiler tubes located in the radiation chambers, Device for improving the. M. S. Eule. 1,770,606; July 15.
- Heat-actuated device. C. G. Weber. 1,749,010; Mar. 4.
- Heat and sound insulated cast product and making same. W. K. Nelson. 1,773,841; Aug. 26.
- Heat, Apparatus for exchange of. H. Simmon. 1,764,535; June 17.
- Heat, Apparatus for utilizing solar. C. H. Drane, jr. 1,765,136; June 17.
- Heat blower, Portable. A. A. Breuer. 1,777,744; Oct. 7.
- Heat boiler, Waste-. G. T. Ladd. 1,752,673; Apr. 1.
- Heat-conducting means for steam generators or fluid heaters. P. M. Lattner. 1,782,171; Nov. 18.
- Heat-conducting system. R. H. Churchill. 1,762,547; June 10.
- Heat-conducting tube. J. B. and T. E. Murray, jr. 1,776,840; Sept. 30.
- Heat-conducting tube. T. E. Murray. 1,746,272; Feb. 11.
- Heat-conservation means. W. F. Scott. 1,743,731; Jan. 14.
- Heat-control apparatus. J. J. Fagan. 1,752,663; Apr. 1.
- Heat-control apparatus, Electric. J. S. Dunn. 1,770,481; July 15.
- Heat control, Manifold. W. K. Fyda. 1,770,689; July 15.
- Heat-control system, Hot-air-furnace. G. A. Voorhees. 1,768,871; July 1.
- Heat control, Thermostatic. F. Purdy. 1,772,842; Aug. 12.
- Heat controller. R. D. Leatherman. 1,768,085; June 24.
- Heat-controlling means for charge-forming devices. W. G. Heginbottom. 1,750,637; Mar. 18.

- Heat-dissipating device. C. C. Abbott. 1,758,775; May 13.
 Heat distributor. C. Cherry and G. A. Froggatt. 1,759,001; May 20.
 Heat distributor or plate. S. Sauvage. 1,782,699; Nov. 25.
 Heat diverter. R. S. Bachelier. 1,771,024; July 22.
 Heat economizer. L. D. Summers. 1,746,564; Feb. 11.
 Heat-economizing apparatus for furnaces of all kinds, Smokeless. A. Winkler. 1,758,304; May 13.
 Heat-exchange apparatus. F. Batter. 1,781,913; Nov. 18.
 Heat-exchange apparatus. G. C. Derry. 1,765,970; June 24.
 Heat-exchange apparatus. H. Feldmeier. 1,766,618; June 24.
 Heat-exchange apparatus. A. D. Harrison. 1,754,857; Apr. 15.
 Heat-exchange apparatus. G. D. Mantle. 1,759,656; May 20.
 Heat-exchange apparatus. A. B. Modine. 1,769,706; July 1.
 Heat-exchange apparatus. C. E. Safford. 1,753,318; Apr. 8.
 Heat-exchange apparatus. R. Sellgman. 1,770,254; July 8.
 Heat-exchange apparatus. R. L. Smith. 1,758,266; May 13.
 Heat-exchange apparatus. C. W. Stancliffe. 1,769,808; July 1.
 Heat-exchange device. W. J. Gamble. 1,742,348; Jan. 7.
 Heat-exchange device for food liquids. E. Schmid. 1,750,730; Mar. 18.
 Heat exchange, Effecting. W. D. La Mont and A. F. Ernst. 1,783,724; Dec. 2.
 Heat-exchange means. A. B. Modine. 1,769,707; July 1.
 Heat-exchange units, Producing. A. B. Modine. 1,767,605; June 24.
 Heat exchanger. S. J. Chute. 1,782,409; Nov. 25.
 Heat exchanger. W. M. Cross. 1,751,725; Mar. 25.
 Heat exchanger. D. K. Dean. 1,764,200; June 17.
 Heat exchanger. C. B. Grady. 1,779,538; Oct. 28.
 Heat exchanger. J. Heizmann. 1,767,794; June 24.
 Heat exchanger. J. Karmazin. 1,761,397; June 3.
 Heat exchanger. O. A. Labus. 1,769,265; July 1.
 Heat exchanger. F. R. Leszczysk. 1,743,785; Jan. 14.
 Heat exchanger. G. H. Lifur. 1,759,360; May 20.
 Heat exchanger. W. Lonsdale. 1,759,582; May 20.
 Heat exchanger. R. J. Pabodie. 1,757,136; May 6.
 Heat exchanger. W. B. Phillips. 1,751,757; Mar. 25.
 Heat exchanger. J. A. Potter. 1,768,786; July 1.
 Heat exchanger. J. S. Price. 1,773,199-200; Aug. 19.
 Heat exchanger. L. S. Quensel. 1,746,497; Feb. 11.
 Heat exchanger. J. P. Rathbun. 1,779,890; Oct. 28.
 Heat exchanger. C. P. Schumers. 1,772,557; Aug. 12.
 Heat exchanger. E. Söhr and B. A. Ljungström. 1,762,426; June 10.
 Heat exchanger. H. Thomas. 1,742,833; Jan. 7.
 Heat exchanger. C. Wainwright. 1,743,989; Jan. 14.
 Heat exchanger, Eccentric-concentric. R. L. Shipman. 1,763,012; June 10.
 Heat exchanger, Liquid-sealed. F. H. Willcox. 1,745,135; Jan. 28.
 Heat-exchanger tubes, Making. W. Lonsdale. 1,786,571; Dec. 30.
 Heat-exchanging apparatus. A. H. Davis, jr. 1,780,294; Nov. 4.
 Heat-exchanging apparatus. R. G. Gundersen and A. Struthers. 1,759,351; May 20.
 Heat exchanging, Apparatus for. G. T. Mott. 1,758,582; May 13.
 Heat-exchanging apparatus, Portable. J. B. D. L. Chardard. 1,783,355; Dec. 2.
 Heat-generating system, Hydraulic. G. H. Walker. 1,758,207; May 13.
 Heat indicator and regulator. A. P. Myer. 1,743,229; Jan. 14.
 Heat indicator, Motor. A. B. Schupp. 1,756,070; Apr. 29.
 Heat in milk driers, Conserving. C. C. Kershaw and H. L. Solle. 1,776,030; Sept. 16.
 Heat-insulating apparatus and method, Refrigerative. J. W. Martin, jr. 1,752,277; Mar. 25.
 Heat-insulating jacket. R. C. Washburn. 1,753,813; Apr. 8.
 Heat-insulating material. G. B. Peebles. 1,757,470; May 6.
 Heat-insulating material and process of manufacture. H. W. Greider. 1,782,383; Nov. 18.
 Heat-insulating panel. B. R. Andrews. 1,776,610; Sept. 23.
 Heat insulation. E. Schmidt and E. Dyckerhoff. 1,757,479; May 6.
 Heat-interchange apparatus. G. Cahill. 1,745,978; Feb. 4.
 Heat-interchange apparatus. J. P. Fisher. 1,777,356; Oct. 7.
 Heat-interchange device. H. G. Ullman. 1,785,159; Dec. 16.
 Heat interchange, Device for effecting. W. S. Bowen. 1,745,204; Jan. 28.
 Heat interchange, Method and apparatus for effecting. L. M. Fornecrook. 1,773,037; Aug. 12.
 Heat interchanger. A. E. Leek. 1,767,989; June 24.
 Heat interchanger. R. G. Mansfield. 1,759,126; May 20.
 Heat interchanger. A. E. Pew, jr. 1,787,086; Dec. 30.
 Heat interchanger. H. G. Ullman. 1,742,329; Jan. 7.
 Heat-interchanging apparatus. D. G. Brandt. 1,770,375; July 15.
 Heat-measuring apparatus. W. Rienks. 1,745,913; Feb. 4.
 Heat-medium-control device, Automatic. T. W. A. Rusche. 1,749,850; Mar. 11.
 Heat plastic composition. H. Gray. 1,782,036; Nov. 18.
 Heat, Process of and apparatus for transforming. R. W. Davenport. 1,769,112; July 1.
 Heat-processing machines for sheets and boards. J. A. Stevens. 1,775,950; Sept. 16.
 Heat-protection means for motion-picture projectors. L. Del Riccio. 1,758,689; May 13.
 Heat regulator. F. E. Harris. 1,756,823; Apr. 29.
 Heat regulator. M. O. Snediker. 1,748,369; Feb. 25.
 Heat regulator and recorder. A. F. Spitzglass. 1,787,176; Dec. 30.
 Heat regulator, Automatic. M. Resek. 1,763,721; June 17.
 Heat regulator for incubators. E. L. McNeil. 1,773,922; Aug. 26.
 Heat regulator, Oven-. E. L. Claus. 1,759,222; May 20.
 Heat regulator, Rapid electric. A. Däniker. 1,775,553; Sept. 9.
 Heat-regulating apparatus. R. E. Newell. 1,780,094; Oct. 28.
 Heat-regulating device, Automatic. M. S. Runsvold. 1,755,612; Apr. 22.
 Heat removal by mercury, Method and apparatus for. B. L. Newkirk. 1,780,683; Nov. 4.
 Heat removal from heat-transforming apparatus. R. W. Davenport. 1,769,111; July 1.
 Heat-resisting glass, Colored. W. C. Taylor. 1,754,065; Apr. 8.
 Heat-resisting glass, Colored. W. C. Taylor. 1,754,182; Apr. 8.
 Heat-responsive device. F. B. Corey. 1,748,330; Feb. 25.
 Heat-retaining system for water-cooled gas engines. A. Antona. 1,770,600; July 15.
 Heat, Storage and utilization of electrically-generated. P. Seehaus. 1,758,474; May 13.
 Heat-transfer apparatus. J. N. Jacobsen. 1,783,844; Dec. 2.
 Heat-transfer device. D. S. Jacobus and W. A. Jones. 1,780,300; Nov. 4.
 Heat-transfer device. E. W. Jones. 1,782,574; Nov. 25.
 Heat-transfer means for electrical apparatus. F. W. Gay. 1,761,387; June 3.
 Heat-transfer system. A. E. Nash and J. S. Alcorn. 1,782,829; Nov. 25.
 Heat transferer. R. Uhde. 1,768,222; June 24.
 Heat-transferring system. T. Bovey. 1,771,371; July 22.
 Heat-transforming apparatus. R. W. Davenport. 1,758,074; May 13.
 Heat-transmission apparatus, Regenerative. F. Ljungström. 1,746,598; Feb. 11.
 Heat-transmitting apparatus. E. Morterud. 1,770,320; July 8.
 Heat-treating apparatus. R. Roscoe. 1,764,647; June 17.
 Heat-treating apparatus. R. E. Talley. 1,783,156; Nov. 25.
 Heat-treating apparatus and process, Electric. G. B. Ames. 1,769,407; July 1.
 Heat treating, Apparatus for. R. M. Heames, B. W. Lindquist, and H. Stark. 1,776,117; Sept. 16.
 Heat-treating apparatus for packaged goods. A. R. Thompson. 1,764,643; Apr. 15.
 Heat-treating articles, Apparatus for. C. E. Buysse. 1,744,949; Jan. 28.
 Heat treating bits. F. J. Hinderliter. 1,763,704; June 17.
 Heat-treating furnace. M. E. Gates. 1,747,067; Feb. 11.
 Heat-treating furnace. J. Lundborg. 1,771,853; July 29.
 Heat-treating furnace. P. W. McCoy and J. A. Masury. 1,770,081; July 8.
 Heat-treating furnace. C. W. Spicer. 1,778,045; Oct. 14.
 Heat-treating furnace. H. L. Waisner. 1,782,451; Nov. 25.
 Heat-treating furnace, Continuous bar-. F. T. Cope. 1,770,842; July 15.
 Heat treating hydrocarbon oils, Apparatus for. H. C. Wade. 1,777,708; Oct. 7.
 Heat-treating machine. W. A. Darrah. 1,750,924; Mar. 18.
 Heat treating magnetizable metals, Method of and apparatus for. H. C. Knerr. 1,779,604; Oct. 28.
 Heat treating metals, Apparatus for. H. D. Piper. 1,752,573; Apr. 1.
 Heat treating of metals. C. F. Lauenstein. 1,760,240; May 27.
 Heat treatment. R. E. Bissell. 1,759,603; May 20.
 Heat treatment for magnetic materials. L. W. McKeehan. 1,762,730; June 10.
 Heat treatment of metals. A. A. Somerville. 1,742,791; Jan. 7.
 Heat-treatment process and apparatus in which a hot liquid mass is employed. C. F. Hammond. 1,765,148; June 17.
 Heat unit and cabinet. C. E. Scott. 1,771,000; July 22.
 Heated air in the closed bodies of automobiles, Circulating. G. P. Kean. 1,758,705; May 13.
 Heated device, Self-contained. C. C. Abbott. 1,758,815; May 13.

Heater: See—

- Aeroplane-wing heater. Fuel heater.
 Air heater. Gas heater.
 Air-intake heater. Gas water heater.
 Auto heater. Hair heater.
 Automobile body heater. Hair - permanent - waving heater.
 Automobile heater. Hot-water heater.
 Boiler and water heater. Liquid-conductor heater.
 Bottle heater. Liquid heater.
 Bus heater. Machine heater.
 Car heater. Motor heater.
 Case heater. Oil heater.
 Charcoal heater. Oil-well heater.
 Chimney-cap heater. Orchard heater.
 Crank-case heater. Radiant heater.
 Display heater. Radiator heater.
 Down-draft heater. Rivet heater.
 Electric air heater. Roll heater.
 Electric heater. Shoe heater.
 Electric immersion heater. Space heater.
 Electric reflecting heater. Storage heater.
 Emergency heater. Twin-unit heater.
 Engine heater. Vehicle heater.
 Exhaust heater. Water heater.
 Feed-water heater. Well heater.
 Fireplace heater. Windshield heater.
 Fluid heater.
- Heater. M. Alex. 1,764,139; June 17.
 Heater. G. Borgeson. 1,765,201; June 17.
 Heater. A. O. and D. J. Bowen. 1,773,806; Aug. 26.
 Heater. T. D. Casserly. 1,749,904; Mar. 11.
 Heater. J. H. Cohen. 1,754,669; Apr. 15.
 Heater. J. W. Cuthbertson. 1,767,581; June 24.
 Heater. L. F. Fisher. 1,758,658; May 13.
 Heater. J. S. Forbes. 1,745,752; Feb. 4.
 Heater. W. J. Gamble, A. E. Stacey, jr., and W. B. Thornton. 1,756,737; Apr. 29.
 Heater. J. J. Goetz. 1,757,042; May 6.
 Heater. A. J. Lindemann. 1,764,635; June 17.
 Heater. C. A. MacMiller. 1,768,123; June 24.
 Heater. W. G. Nagle and M. Lehman. Des. 80,852; Apr. 1.
 Heater. I. L. Putnam. 1,760,086; May 27.
 Heater. H. Schmitt. 1,771,693; July 29.
 Heater. S. A. Snell. 1,772,295; Aug. 5.
 Heater. W. R. Stockwell. 1,745,960; Feb. 4.
 Heater. C. E. Tefft. 1,743,638; Jan. 14.
 Heater. F. E. Thomes. 1,777,054; Sept. 30.
 Heater. H. W. Turner. 1,776,762; Sept. 23.
 Heater. G. F. Vasey. 1,782,947; Nov. 25.
 Heater. A. Wilson. 1,758,209; May 13.
 Heater and incinerator, Combined water. W. C. Epstein. 1,758,505; May 13.
 Heater and method of handling molding devices, Vulcanizing. H. A. Denmire. 1,744,754; Jan. 28.
 Heater and muffler for automobiles, Combined. J. W. Kelch and J. J. Sunday. 1,745,492; Feb. 4.
 Heater and operating the same, Immersion electrical water. W. J. Handley. 1,779,128; Oct. 21.
 Heater and purifier, Water. H. E. Moffat. 1,773,195; Aug. 19.
 Heater and radiator, Combined. T. E. Murray. 1,779,139; Oct. 21.
 Heater and sterilizer. R. J. MacDuffee and G. W. Young. 1,762,448; June 10.
 Heater and the silencing of automobile heaters, Automobile. S. J. V. Bovey. 1,762,467; June 10.
 Heater and thermostatic control therefor, Electric. E. C. Fichtner. 1,742,638; Jan. 7.
 Heater and vaporizer, Auxiliary. E. R. Godward. 1,783,536; Dec. 2.
 Heater and vaporizer, Oil. C. P. Christensen. 1,744,724; Jan. 28.
 Heater and ventilator, Automobile. N. McKnight. 1,774,449; Aug. 26.
 Heater apparatus, Asphaltum. H. H. Strietmann. 1,751,452; Mar. 18.
 Heater appliance, Water. F. A. Gauger and R. W. Johnson. 1,752,840; Apr. 1.
 Heater control. G. D. Barker. 1,783,821; Dec. 2.
 Heater-control mechanism, Liquid. E. L. Fonseca. 1,750,749; Mar. 18.
 Heater control, Oil. B. Valjean. 1,779,572; Oct. 28.
 Heater control, Unit. H. W. Sweatt. 1,768,805; July 1.
 Heater drum for hog and poultry houses. L. E. Hunt. 1,777,264; Sept. 30.
 Heater for automobiles. E. M. Raetz. 1,745,711; Feb. 4.
 Heater for automobile engines. W. Schoenfeld. 1,786,130; Dec. 23.
 Heater for crank cases, Oil. C. W. and R. L. Nelson. 1,751,859; Mar. 25.
 Heater for curling irons, Gas. G. Ducart. 1,785,677; Dec. 16.
 Heater for drying grain, Portable. A. Johnson. 1,757,716; May 6.
 Heater for fireplaces. J. F. Pierce. 1,747,259; Feb. 18.
 Heater for motor vehicles. E. Ryder. 1,760,005; May 27.
 Heater for motor vehicles and the like, Crank-case. A. L. Briggs and H. Sauers. 1,754,080; Apr. 8.
 Heater for motor vehicles, Steam. J. H. Gould. 1,775,638; Sept. 16.
 Heater for permanent waving, Combination. J. C. Brown. 1,755,173; Apr. 22.
 Heater for poultry houses and analogous purposes. J. B. Olson and R. R. Young. 1,756,379; Apr. 29.
 Heater for radiators, Middle-section. C. C. Shipp. 1,771,586; July 29.
 Heater for valves, Electric. P. R. Forman. 1,748,510; Feb. 25.
 Heater for vehicles. F. C. Howard. 1,782,652; Nov. 25.
 Heater for vehicles and the like. S. J. V. Bovey. 1,762,466; June 10.
 Heater installation, Dwelling. F. A. Howard. 1,767,364; June 24.
 Heater plates, Forming electric. L. McKinney. 1,778,808; Oct. 21.
 Heater radiant, Gas. W. L. Sharp. Des. 82,182; Sept. 30.
 Heater register, Automobile. E. Ludlow. 1,743,365; Jan. 14.
 Heater with draft control. J. B. Smith. 1,772,469; Aug. 12.
 Heaters, Attachment for gas. C. L. Kline. 1,752,007; Mar. 25.
 Heaters, Attachment for gas water. A. H. Frank. 1,758,788; May 13.
 Heaters, Circulation system for barrel. H. L. Miller. 1,746,438; Feb. 11.
 Heaters, Composition for chemical. H. H. Baker. 1,760,102; May 27.
 Heaters, Humidity control for cooking. M. W. Faherty. 1,748,933; Feb. 25.
 Heaters, Shell construction for automobile. T. H. Roberts. 1,748,678; Feb. 25.
 Heaters, System of pressure and temperature regulation for. D. J. Jones. 1,780,393; Nov. 4.
 Heating apparatus and resistance units therefor, Electric. D. G. Petrie. 1,778,811; Oct. 21.
 Heating air and gases. W. Dyrssen. Re17,577; Feb. 4.
 Heating and cooling apparatus, Combined. J. Posey. 1,747,134; Feb. 11.
 Heating and cooling of buildings. J. L. Musgrave. 1,771,268; July 22.
 Heating and cooling of buildings. J. L. Musgrave and R. G. Crittall. 1,771,269; July 22.
 Heating and cooling device. A. H. Barker. 1,744,517; Jan. 21.
 Heating and cooling system, Motor. G. D. Gordon. 1,749,424; Mar. 4.
 Heating and drying apparatus. S. Lipsius. 1,748,136; Feb. 25.
 Heating and humidifying system for food carts. G. A. Lueck. 1,752,749; Apr. 1.
 Heating and ventilating apparatus. G. E. Otis. 1,753,156-7; Apr. 1.
 Heating and ventilating apparatus. A. R. Teare. 1,764,703-4; June 17.
 Heating and ventilating apparatus, Unit. H. C. Davis and L. D. Barnett. 1,749,417; Mar. 4.
 Heating and ventilating, Concealed unit for. M. J. Callahan. 1,782,711; Nov. 25.
 Heating and ventilating system. A. H. W. Schmidt. 1,779,714; Oct. 28.
 Heating and ventilating unit. W. Shurtleff. 1,744,511; Jan. 21.
 Heating and ventilating unit. W. Shurtleff. 1,756,997; May 6.
 Heating and ventilating unit, Low-down. M. J. Callahan. 1,754,260; Apr. 15.
 Heating and welding machines, Three-phase one-phase converter, especially for electric resistance. E. Schröder. 1,782,634; Nov. 25.
 Heating apparatus. A. H. Barker. 1,746,235; Feb. 11.
 Heating apparatus. J. E. Bell. 1,753,192; Apr. 8.
 Heating apparatus. R. S. Blair. 1,762,325; June 10.
 Heating apparatus. W. A. Bollinger. 1,765,048; June 17.
 Heating apparatus. O. T. Buffalow. 1,755,204; Apr. 22.
 Heating apparatus. O. I. Chormann. 1,777,482; Oct. 7.
 Heating apparatus. O. C. Davis. 1,778,146; Oct. 14.
 Heating apparatus. L. Grafflin. 1,747,070; Feb. 11.
 Heating apparatus. H. R. and G. A. Humphrey. 1,754,952; Apr. 15.
 Heating apparatus. H. R. and G. A. Humphrey. 1,766,076; June 24.
 Heating apparatus. W. L. Majors. 1,783,576; Dec. 2.
 Heating apparatus. A. M. Mertzano. 1,746,710; Feb. 11.
 Heating apparatus. R. L. Meyers. 1,763,668; June 17.
 Heating apparatus. A. B. Modine. 1,767,604; June 24.
 Heating apparatus. J. J. Ogilvie. 1,778,464; Oct. 14.
 Heating apparatus. J. Primrose. 1,758,239; May 13.
 Heating apparatus. F. Puening. 1,767,614; June 24.
 Heating apparatus. G. Schwab. 1,772,916; Aug. 12.
 Heating apparatus. W. H. Sommer. 1,783,945; Dec. 2.
 Heating apparatus. D. L. Summey. 1,748,465; Feb. 25.
 Heating apparatus. D. L. Summey. 1,776,823; Sept. 30.
 Heating apparatus. M. M. Suppes. 1,784,796; Dec. 9.
 Heating apparatus. M. M. Suppes. 1,786,403; Dec. 23.
 Heating apparatus, Air. A. B. Modine. 1,749,499; Mar. 4.
 Heating apparatus, Automobile. S. Ceglowski. 1,752,148; Mar. 25.
 Heating apparatus, Automobile. H. M. Smith and J. W. Farmer. 1,743,164; Jan. 14.
 Heating apparatus, Domestic water. M. I. Bailey and W. Burgess. 1,744,434; Jan. 21.
 Heating apparatus, Electric. O. F. and G. E. Lidke. 1,784,528; Dec. 9.

- Heating apparatus, Electric. A. S. Macdonald, C. C. Waite, and E. M. Huggins. 1,760,155; May 27.
- Heating apparatus, Electric fluid-. R. A. Carleton. 1,775,017; Sept. 2.
- Heating apparatus, Electric steam. W. W. Robinson. 1,744,505; Jan. 21.
- Heating apparatus, Electrical. J. Bartik. 1,758,213; May 13.
- Heating apparatus employing powdered fuel. F. Marchand. 1,747,522; Feb. 18.
- Heating apparatus, Fitting for water-. L. B. Houlihan. 1,743,547; Jan. 14.
- Heating, Apparatus for. E. M. Freeland and F. McGough. 1,750,884; Mar. 18.
- Heating apparatus for boilers, Feed-water-. E. F. Sullivan. 1,760,794; May 27.
- Heating apparatus for liquids, Electric. H. H. Henning. 1,782,069; Nov. 18.
- Heating apparatus for the carburated mixture. G. Ferrara. 1,786,233; Dec. 23.
- Heating apparatus, Liquid-fuel. H. F. Rodler. 1,762,242; June 10.
- Heating apparatus, Low-tension fluid-. R. A. Carleton. 1,746,522; Feb. 11.
- Heating apparatus, Motor-. J. Hilt and T. F. Laughlin. 1,744,470; Jan. 21.
- Heating apparatus, Saline-. E. Richardson. 1,778,915; Oct. 21.
- Heating apparatus, Sectional liquid. W. A. Cross. 1,781,915; Nov. 18.
- Heating apparatus, Steam and hot-water. J. H. D. Beaucage. 1,768,971; July 1.
- Heating apparatus, Water-. H. M. Leavitt. 1,755,261; Apr. 22.
- Heating apparatus, Water-. R. W. Martin. 1,768,992; July 1.
- Heating apparatus, Water-. A. Pfender. 1,757,138; May 6.
- Heating appliance, Air-. L. A. Derby. 1,743,088; Jan. 7.
- Heating arrangement for cathodes of vacuum tubes. J. Bethenod. 1,771,704; July 29.
- Heating arrangement, Hot-water. J. Neukam. 1,775,208; Sept. 9.
- Heating boiler. H. Addams. 1,765,857; June 24.
- Heating boiler. B. H. Briney. 1,780,576; Nov. 4.
- Heating boiler. P. H. Olson. 1,773,115; Aug. 19.
- Heating boiler. O. Zepp. 1,778,205; Oct. 14.
- Heating boiler, Sectional. H. H. Peek. 1,758,171; May 13.
- Heating buildings and for like purposes, Apparatus for. A. H. Barker. 1,746,231; Feb. 11.
- Heating by steam. C. A. Dunham. 1,771,077; July 22.
- Heating coils, Brazing. A. T. Lewis and D. E. French. 1,751,865; Mar. 25.
- Heating coke ovens. C. Otto. 1,748,143; Feb. 25.
- Heating device. O. J. Antonelli. 1,744,716; Jan. 28.
- Heating device. S. M. Bielek. 1,751,387; Mar. 18.
- Heating device. K. H. Bowen. 1,759,389; May 20.
- Heating device. A. R. Gould. 1,751,581; Mar. 25.
- Heating device. R. H. Guenther. 1,757,905; May 6.
- Heating device. J. C. Harris and J. Wood. 1,763,516; June 10.
- Heating device. M. E. Nordan. 1,756,033; Apr. 29.
- Heating device. A. E. Reuss. 1,758,466; May 13.
- Heating device. R. N. Trane. 1,778,538; Oct. 14.
- Heating device and producing the same, Electric. E. N. Lightfoot. 1,767,084; June 24.
- Heating device containing a fluid in its heating element. A. Pais. 1,760,884; June 3.
- Heating device, Electric. C. B. Backer. 1,783,554; Dec. 2.
- Heating device, Electric. E. A. Stanger. 1,750,495; Mar. 11.
- Heating device, Electrical. F. E. Wolcott. 1,743,301; Jan. 14.
- Heating device, Engine-. J. Good. 1,761,388; June 3.
- Heating device for automobile motors. F. W. Esslinger. 1,773,978; Aug. 26.
- Heating device for buildings. A. H. Barker. 1,775,152; Sept. 9.
- Heating device for high-pressure steam generators. S. Löffler. 1,746,158; Feb. 4.
- Heating device for internal-combustion motors. C. S. Slichter. 1,781,412; Nov. 11.
- Heating device for railroad switches. H. Miller and B. B. Betts. 1,783,164; Nov. 25.
- Heating device for the suction air of combustion engines. W. Riehm. 1,761,844; June 3.
- Heating device for therapeutic baths. R. Pabst. 1,770,008; July 8.
- Heating device for windshields and other windows, Electric. L. L. Bouchard. 1,744,100; Jan. 21.
- Heating device, Gas-operated air-. G. Ducart. 1,751,399; Mar. 18.
- Heating device, Safety. M. Birkigt. 1,772,384; Aug. 5.
- Heating device such as soldering irons, Self-. I. Cowles. 1,753,741; Apr. 8.
- Heating device, Windshield-. A. F. Phillips. 1,745,448; Feb. 4.
- Heating device with heat accumulators. A. Pais. 1,769,752; July 1.
- Heating, drying, or cooling buildings. E. Lucas. 1,745,765; Feb. 4.
- Heating-element arrangement for mixing bowls. E. Schmieder. 1,751,605; Mar. 25.
- Heating element, Electric. A. Fazekas. 1,779,667; Oct. 28.
- Heating element, Electric. K. C. MacNabb. 1,755,929; Apr. 22.
- Heating element, Electrical. P. J. Smith. 1,743,577; Jan. 14.
- Heating element for electric stoves. C. M. Dibble. 1,751,797; Mar. 25.
- Heating element, Making fluid-. W. F. Keenan, jr. 1,764,174; June 17.
- Heating-element-mounting construction. E. L. Smalley. 1,768,865; July 1.
- Heating-element-mounting means. E. L. Smalley. 1,762,701; June 10.
- Heating elements, Manufacturing electric. K. Noguchi. 1,779,822; Oct. 28.
- Heating furnace. W. T. Bradley. 1,747,855; Feb. 18.
- Heating furnace. H. Holiday, W. McKnight, and J. G. Christfield. 1,755,875; Apr. 22.
- Heating furnace. A. B. McArthur and H. G. McIlvried. 1,760,762; May 27.
- Heating furnace. H. M. Williams. 1,761,028; June 3.
- Heating furnace, Air-. C. W. Swingley. 1,774,734; Sept. 2.
- Heating furnace, Continuous. A. Aureli. 1,747,209; Feb. 18.
- Heating furnace, Continuous. F. J. Werner. 1,774,306; Aug. 26.
- Heating furnace, Electric. R. E. Talley. 1,783,155; Nov. 25.
- Heating furnace, Metal-bar-. H. Bangert. 1,772,065; Aug. 5.
- Heating furnace, Sheet-metal. W. A. Lacke. 1,749,143; Mar. 4.
- Heating furnaces. H. A. Drefflein. 1,757,707; May 6.
- Heating, humidifying, and ventilating appliance. C. A. Moore. 1,745,904; Feb. 4.
- Heating inclosures electrically. C. L. Burgher. Re17,857; Nov. 11.
- Heating means, Apparatus for regulating a. C. M. Akins. 1,750,085; Mar. 11.
- Heating means, Electric. R. von Brockdorff. 1,756,444; Apr. 29.
- Heating means for aeroplane wings to prevent accumulation of ice and snow, Electrical. W. S. Ingram. 1,750,777; Mar. 18.
- Heating means for motor vehicles. W. A. Kysor. 1,764,799; June 17.
- Heating means for sheet-glass apparatus. J. L. Drake. 1,781,917; Nov. 18.
- Heating-medium control for charge-forming devices. W. G. Heginbottom. 1,766,709; June 24.
- Heating-medium control for charge-forming devices for internal-combustion engines. J. R. Francis. 1,766,781; June 24.
- Heating, Method of. F. I. Raymond. 1,785,426; Dec. 16.
- Heating of the rolls of metal rolling mills. K. Young-husband. 1,776,607; Sept. 23.
- Heating of windows, Device for the. G. S. Wilson. 1,777,343; Oct. 7.
- Heating oil, Apparatus for. G. C. Kelley. 1,748,295; Feb. 25.
- Heating or vulcanizing press, Multiple. J. R. Gammeter. 1,750,263; Mar. 11.
- Heating pad. H. H. Wanders. 1,781,741; Nov. 18.
- Heating process. J. F. Wait. 1,760,095; May 27.
- Heating, Process and apparatus for. J. F. Wait. 1,744,598; Jan. 21.
- Heating register, Warm-air. R. G. Hendricks. 1,757,085; May 6.
- Heating rolls. W. Schötteldreier. 1,783,524; Dec. 2.
- Heating structure, Regenerative. J. Van Ackeren. 1,749,116; Mar. 4.
- Heating switch. W. M. Hollinger. 1,778,637; Oct. 14.
- Heating system. A. L. Browne. 1,772,239; Aug. 5.
- Heating system. E. S. Halsey. 1,744,632; Jan. 21.
- Heating system. L. Lee. 1,768,086; June 24.
- Heating system. A. W. Moulder. 1,784,609; Dec. 9.
- Heating system. U. A. Taddiken. 1,747,193; Feb. 18.
- Heating system and apparatus. L. L. Steindler. 1,775,702; Sept. 16.
- Heating system and boiler construction. A. H. Swander. 1,751,297; Mar. 18.
- Heating system, Automobile. J. E. De Long. 1,772,341; Aug. 5.
- Heating system, Central. E. S. Mead. 1,752,684; Apr. 1.
- Heating-system control. W. M. Cross. 1,758,147; May 13.
- Heating system, Differential. C. A. Dunham. 1,775,274; Sept. 9.
- Heating system, Domestic. W. M. Cross. 1,758,146; May 13.
- Heating system, Electric. C. E. Boggs. 1,749,692; Mar. 4.
- Heating system, Fluid-fuel. H. L. Doherty. 1,786,901; Dec. 30.
- Heating system for chicken brooders and poultry houses. J. L. Warner. 1,780,052; Oct. 28.
- Heating system for locomotives, Feed-water-. G. H. Emerson. 1,748,871; Feb. 25.
- Heating system, Hot-water. J. S. Erickson. 1,773,976; Aug. 26.
- Heating system, House. H. L. Doherty. 1,786,900; Dec. 30.
- Heating system, Oil. F. E. Lichtenthaeler. 1,744,318; Jan. 21.

- Heating system, Solar water-. H. A. Wheeler, F. J. Bentz, and J. L. Mason. 1,753,227; Apr. 8.
- Heating system, Steam-. F. H. Montreuil. 1,759,586; May 20.
- Heating system, Steam or vapor. G. Schwarz. 1,766,261; June 24.
- Heating system, Turbine-. E. Brown. 1,768,975; July 1.
- Heating system, Vacuum steam. H. M. Wylie and H. E. Adams. 1,745,822; Feb. 4.
- Heating systems, Adjusting unit for. A. J. Loepsinger and I. W. Knight. 1,784,673; Dec. 9.
- Heating systems, Apparatus for controlling. F. I. Raymond. 1,785,425; Dec. 16.
- Heating systems, Control apparatus for. F. I. Raymond. 1,784,538; Dec. 9.
- Heating systems, Pressure-control mechanism for vacuum. I. C. Jennings. 1,783,428; Dec. 2.
- Heating the air blast for furnaces and the like, Apparatus for. J. P. Dovel. 1,751,136; Mar. 18.
- Heating the crank cases of engines. C. N. Haze. 1,747,772; Feb. 18.
- Heating unit. C. C. Harpster. 1,764,301; June 17.
- Heating unit. D. W. Lenahan. 1,770,527; July 15.
- Heating unit. A. B. Modine. 1,754,642; Apr. 15.
- Heating unit. F. J. Werner, jr. 1,776,530; Sept. 23.
- Heating unit, Electric. A. J. Bressan. 1,778,884; Oct. 21.
- Heating unit, Electric. J. C. Musgrove. 1,751,416; Mar. 18.
- Heating unit, Electric. J. C. Woodson. 1,763,117; June 10.
- Heating unit, Electrical. L. R. Barber. 1,776,827; Sept. 30.
- Heating unit, Electrical. H. N. Shaw. 1,767,816; June 24.
- Heating unit, Exothermic. J. H. Deppeler. 1,774,505; Sept. 2.
- Heating unit for locomotive tenders. N. M. Lower. 1,785,275; Dec. 16.
- Heating unit, Tubular. C. T. Johnson-Vea and W. A. Braun. 1,754,003; Apr. 8.
- Heating units, Making electrical. W. A. Braun and C. Maurer. 1,745,526; Feb. 4.
- Heating, ventilating, and cooling system. E. C. Credicott. 1,773,220; Aug. 19.
- Hectograph blanket. W. Hoskins, jr. 1,750,754; Mar. 18.
- Hectograph copying machine. W. E. Williams. 1,778,542; Oct. 14.
- Heddle and lingo and making the same, Combined. J. U. Kaufmann. 1,760,649; May 27.
- Heddle frame. J. J. Kaufmann. 1,780,786; Nov. 4.
- Heddle frame. J. J. Kaufmann. 1,783,794; Dec. 2.
- Heddle frame. J. J. Kaufmann and L. Kasper. 1,776,120; Sept. 16.
- Heddle-handling mechanism. H. D. Colman. 1,756,814; Apr. 29.
- Hedge trimmer. N. McCloskey. 1,762,401; June 10.
- Heel. A. W. Carlson. 1,753,692; Apr. 8.
- Heel. W. E. Forrester. 1,756,456; Apr. 29.
- Heel. R. S. Megathlin. 1,777,471; Oct. 7.
- Heel. R. Skovronek. 1,772,293; Aug. 5.
- Heel and covering the same. W. H. Nutt. 1,761,359; June 3.
- Heel and making the same, Covered. W. H. Nutt. 1,770,990; July 22.
- Heel-attaching apparatus, Sport-shoe. I. Tarlow. 1,757,152; May 6.
- Heel-attaching device. L. Cipollina. 1,785,808; Dec. 23.
- Heel-attaching machine. F. E. Bertrand. 1,757,163; May 6.
- Heel-attaching machine. F. H. Pochin. 1,756,134; Apr. 29.
- Heel-attaching means. C. Miller and M. Feinstein. 1,782,436; Nov. 25.
- Heel-attaching plate for shoes, Rubber-. J. Pomerantz. 1,778,089; Oct. 14.
- Heel attachment. L. Oberneier. 1,768,781; July 1.
- Heel-breasting machine. F. A. Day. 1,758,030; May 13.
- Heel clamp. W. W. De Rusha. 1,748,010; Feb. 18.
- Heel-clamping device. L. S. Macdonald. 1,753,425; Apr. 8.
- Heel-cover-trimming machine. L. J. Bazzoni. 1,752,774; Apr. 1.
- Heel-cover-trimming machine. L. J. Bazzoni. 1,759,150; May 20.
- Heel, Cushion. F. Sansone. 1,764,353; June 17.
- Heel cutter. H. E. Wills. 1,755,856; Apr. 22.
- Heel, Detachable rubber. W. L. Bernier. 1,764,000; June 17.
- Heel, Detachable shoe. I. C. and E. H. Collier. 1,772,069; Aug. 5.
- Heel, Detachable shoe. M. S. Gutiérrez. 1,743,543; Jan. 14.
- Heel, Detachable shoe. L. A. Reisenfeld. 1,754,402; Apr. 15.
- Heel for boots and shoes. C. Roberts. 1,746,282; Feb. 11.
- Heel for boots or shoes. P. H. Letchford. 1,766,027; June 24.
- Heel for footwear. J. Crookshanks. 1,743,914; Jan. 14.
- Heel for footwear. W. A. Owen. 1,781,931; Nov. 18.
- Heel for shoes. D. B. Cropp. 1,753,284; Apr. 8.
- Heel for shoes, Cushioned. W. M. Cohan and M. N. Ratzan. 1,780,997; Nov. 11.
- Heel grip. C. R. Snow. 1,745,726; Feb. 4.
- Heel-lasting machine. C. C. Blake. 1,742,632; Jan. 7.
- Heel lift. B. Gilowitz. 1,750,712; Mar. 18.
- Heel machine. R. C. Simmons. 1,777,331; Oct. 7.
- Heel-making machine, Wood-. R. F. Knight. 1,755,400; Apr. 22.
- Heel-nailing machine. W. J. Young. 1,756,999; May 6.
- Heel pad. T. Tanigawa. 1,756,107; Apr. 29.
- Heel plate for galoshes, Protective. B. W. Gruber. 1,778,592; Oct. 14.
- Heel protector. E. Barthes. 1,770,261; July 8.
- Heel protector. G. C. Oakes. 1,769,537; July 1.
- Heel, Resilient. B. Kind. 1,771,793; July 29.
- Heel rest for electric iron. M. W. McArdle. Des. 81,296; June 3.
- Heel-rounding machine. J. A. McNeill. 1,760,160; May 27.
- Heel, Rubber. H. Heady. 1,765,155; June 17.
- Heel, Rubber-cushioned. H. G. Norwood. Re17,890; Dec. 2.
- Heel-seat-fitting machine. W. R. Barclay and F. Ricks. 1,783,212; Dec. 2.
- Heel-seat-fitting machine. J. Gouldbourn and F. Ricks. 1,742,503; Jan. 7.
- Heel-seat-fitting machine. F. H. Perry. 1,773,276; Aug. 19.
- Heel-seat-fitting machine. F. Ricks and A. E. Richards. 1,743,482; Jan. 14.
- Heel-seat-fitting machine. F. Ricks and A. E. Richards. 1,757,219; May 6.
- Heel-seat-forming machine. M. H. Ballard and T. H. Seeley. 1,742,299; Jan. 7.
- Heel-seat-preparing means. H. Zubick. 1,766,319; June 24.
- Heel-shank-shaping machine. L. B. Pope. 1,780,841; Nov. 4.
- Heel, Shoe. A. Bono. 1,742,894; Jan. 7.
- Heel, Shoe. D. O. Marshall. Re17,799; Sept. 16.
- Heel, Shoe. J. F. McNamara. 1,754,280; Apr. 15.
- Heel, Shoe. J. F. McNamara. 1,778,953; Oct. 21.
- Heel, Shoe. L. M. Oakley. Des. 82,517; Nov. 11.
- Heel, Shoe. J. Q. Parker. 1,758,583; May 13.
- Heel, Shoe. W. S. Shaft. 1,766,311; June 24.
- Heel, Spring. J. Weinberg. 1,759,379; May 20.
- Heel structure for shoes. E. Miller. 1,783,514; Dec. 2.
- Heel trimming and compressing machine. E. J. Ray. 1,759,867; May 27.
- Heel-trimming machine. J. E. Marquis. 1,745,803; Feb. 4.
- Heel-turning machine, Wood-. R. L. Raymond. 1,748,994; Mar. 4.
- Heeling machine. J. H. Pope and J. B. Hadaday. 1,776,294; Sept. 23.
- Heels, Apparatus for trimming or paring the edges of. Louis. F. H. and H. S. Pochin and C. H. Millman. 1,746,843; Feb. 11.
- Heels, Apparatus for trimming the top lifts of. N. H. Knowlton. 1,747,305; Feb. 18.
- Heels, Attachment of top lifts to wood. D. J. Sullivan. 1,781,907; Nov. 18.
- Heels, Dieing out rubber. A. J. Edwards. 1,750,708; Mar. 18.
- Heels, Lift for separately-formed attachable. S. C. Kayes. 1,781,847; Nov. 18.
- Heels, Making covered. J. T. Kershaw. 1,760,147; May 27.
- Hektograph machines, Margin bar for. J. P. Pederson. 1,766,352; June 24.
- Helicopter. G. de Bothezat. 1,749,471; Mar. 4.
- Helicopter. J. P. Buckley. 1,769,203; July 1.
- Helicopter. N. Florine. 1,783,011; Nov. 25.
- Helicopter. J. E. Hess. 1,742,808; Jan. 7.
- Helicopter. J. Kubish. 1,770,788; July 15.
- Helicopter. G. Matta. 1,786,017; Dec. 23.
- Helicopter. H. T. Nelson. 1,786,576; Dec. 30.
- Helicopter. A. C. Nunwick, A. F. Iago, and K. M. Hunter. 1,748,520; Feb. 25.
- Helicopter. R. Tarshis. 1,779,054; Oct. 21.
- Helicopter. S. Trey. 1,785,333; Dec. 16.
- Helicopter. W. P. Van Lammeren. 1,772,119; Aug. 5.
- Helicopter. E. Zaschka. 1,779,524; Oct. 28.
- Helirotor for airplanes. F. Wander, jr. 1,766,472; June 24.
- Helixes, Cutting the efficient curve in the walls of. A. N. Blazer. 1,777,250; Sept. 30.
- Helmet. J. M. Russell. 1,775,409; Sept. 9.
- Helmet, Aviator's. H. R. Hart. 1,774,325; Aug. 26.
- Helmet, Aviator's. F. F. Heater. Des. 81055; Apr. 29.
- Helmet, Fireman's. M. D. Collins. 1,749,998; Mar. 11.
- Helmet, Welder's. W. Shimer. 1,777,454; Oct. 7.
- Hem for sewed articles and making the same. J. R. Mofatt. 1,764,848; June 17.
- Hemstitcher. B. Kahn and M. E. Johnson. 1,779,254; Oct. 21.
- Hexamethylenetetramine, Making-. G. E. Landt and W. H. Adams, jr. 1,774,929; Sept. 2.
- Hickey and mounting therefor. A. Liebowitz. 1,756,159; Apr. 29.
- Hide-stretching device. C. Slebodnik. 1,756,103; Apr. 29.
- Hides and leather, Mechanism for stretching and drying. E. G. Lowe. 1,782,097; Nov. 18.
- Hides and skins and preparing them for tanning, Dehairing. C. J. M. M. Le Petit. 1,767,536; June 24.
- Hides and skins, Depilating. M. Bergmann. 1,765,199; June 17.
- Hides and skins, Tanning. E. G. Stiasny and B. Jalowzer. 1,749,724; Mar. 4.

- Hides and skins, Unhairing. H. M. Ullmann and E. R. Theis. 1,753,539; Apr. 8.
- Hides for tanning, Unhairing and preparing. C. J. M. M. Le Petit. 1,772,258; Aug. 5.
- Hides, Method of and agent for depilating. E. A. Taylor. 1,743,938; Jan. 14.
- Hides or skins, Unhairing. G. D. McLaughlin, G. E. Rockwell, F. O'Flaherty, and J. H. Highberger. 1,785,092; Dec. 16.
- Hides, skins, and leather, Machines for operating upon. K. W. Koeniger. 1,772,775; Aug. 12.
- Hides, Treating. D. L. Levy. 1,742,514; Jan. 7.
- Hides with salts of iron, Tanning animal. K. Stürmer. 1,763,596; June 10.
- High-frequency oscillations, Indicating means for. A. Meissner. 1,783,297; Dec. 2.
- High-frequency system. R. D. Duncan, jr. 1,769,018; July 1.
- High-pressure boiler. J. E. Bell. 1,785,927; Dec. 23.
- High-pressure engine. C. P. Brockway. 1,767,506; June 24.
- High-speed machine. B. L. Newkirk. 1,768,290; June 24.
- High-tension lines, Testing and starting. K. Baudisch. 1,758,996; May 20.
- High-tension switch. T. Bocek. 1,743,652; Jan. 14.
- High-tension switch. T. F. Johnson, jr. 1,749,537; Mar. 4.
- High-voltage apparatus. E. H. Freiburghouse. 1,783,837; Dec. 2.
- High-voltage switch. H. R. Menefee. 1,743,471; Jan. 14.
- Highway-crossing barrier. E. H. Rick. 1,765,178; June 17.
- Highway-crossing protection. H. C. Price. 1,746,277; Feb. 11.
- Highway-crossing signal. R. A. McCann. 1,773,194; Aug. 19.
- Highway-sign bracket. L. W. Zahonyi. 1,770,564; July 15.
- Highway signal. N. J. Nielsen-Klodskov. 1,785,422; Dec. 16.
- Highway signal, Illuminated. V. P. Carter. 1,750,625; Mar. 18.
- Hill dropper. F. J. Boss. 1,755,498; Apr. 22.
- Hinge. W. E. Allen, jr. Des. 82,242; Oct. 14.
- Hinge. W. R. Brewer. 1,761,178; June 3.
- Hinge. J. Brogden. 1,758,905; May 13.
- Hinge. W. A. Busiek. 1,767,049; June 24.
- Hinge. W. L. Evans. 1,783,076; Nov. 25.
- Hinge. J. Farver. 1,752,428; Apr. 1.
- Hinge. J. Fisher. 1,754,013; Apr. 8.
- Hinge. D. L. Hadley. Des. 80,569; Feb. 25.
- Hinge. C. H. Hiser. 1,776,681; Sept. 23.
- Hinge. T. Johnson and P. G. Johnson. 1,783,475; Dec. 2.
- Hinge. R. N. McClure. 1,759,237; May 20.
- Hinge. C. L. Morgan. 1,754,175; Apr. 8.
- Hinge. H. H. Raymond. 1,782,582; Nov. 25.
- Hinge. G. E. Roedding. Des. 81,312; June 3.
- Hinge. F. C. Ruppel. Des. 81,758; Aug. 5.
- Hinge. G. Schamberg. 1,748,733; Feb. 25.
- Hinge. J. H. Sheard. 1,768,793; July 1.
- Hinge. H. E. Sipe. 1,745,773; Feb. 4.
- Hinge. J. Soss. 1,743,495; Jan. 14.
- Hinge. J. Soss. 1,757,599; May 6.
- Hinge. J. Soss. 1,772,560; Aug. 12.
- Hinge. E. A. Tangenberg. 1,769,553; July 1.
- Hinge. W. N. Vance. 1,785,506; Dec. 16.
- Hinge, Adjustable door. T. L. Torgerson. 1,782,490; Nov. 25.
- Hinge, Adjustable door. J. Walter and E. Allen. 1,742,455; Jan. 7.
- Hinge and fastener for covers or lids, Demountable. M. Garbell. 1,744,960; Jan. 28.
- Hinge and stop, Door. C. A. Shepard. 1,766,197; June 24.
- Hinge and support, Combined. W. B. Stevenson. 1,748,196; Feb. 25.
- Hinge and support, Lid. S. T. Williams and T. T. Greene. 1,767,336; June 24.
- Hinge assembly for refrigerators or the like. G. Graff. Des. 80,618; Mar. 4.
- Hinge attachment for kitchen utensils. H. Kohlman. 1,753,990; Apr. 8.
- Hinge, Automobile door. J. A. Penner. 1,769,273; July 1.
- Hinge, Ball-bearing door. F. I. Kimball. Re17,748; July 29.
- Hinge, Ball-bearing swing. N. H. and J. J. Wilke. 1,756,413; Apr. 29.
- Hinge base for tanks and the like. D. L. Newton. 1,742,720; Jan. 7.
- Hinge, Casement-sash. T. H. Walker. 1,754,659; Apr. 15.
- Hinge, Casement-window. J. L. C. Heinz. 1,787,249; Dec. 30.
- Hinge, Chair. A. L. Johnson. 1,779,738; Oct. 28.
- Hinge, Check. W. C. Mangel. 1,781,185; Nov. 11.
- Hinge, Concealed. H. P. Tevonian. 1,754,341; Apr. 15.
- Hinge connection for water-closet seats and covers. H. C. Leslie. 1,759,990; May 27.
- Hinge construction. J. R. Schoemer. 1,772,194; Aug. 5.
- Hinge, Covered-joint. S. B. Atwood. 1,765,393; June 24.
- Hinge device. M. Turnquist. 1,752,312; Apr. 1.
- Hinge, Doorcheck. L. T. Taffe. 1,775,789; Sept. 16.
- Hinge, Electric-connection. J. Elzer. 1,744,040; Jan. 21.
- Hinge, Extensible. W. J. Hill. 1,745,368; Feb. 4.
- Hinge for desk lids and the like. G. Stinson and S. Fred. 1,762,489; June 10.
- Hinge for headlights, Friction. H. J. Graham. 1,768,758; July 1.
- Hinge for ice-box doors, Spring. L. J. Volquardsen. 1,759,474; May 20.
- Hinge for jewelry. G. Candas. 1,758,931; May 20.
- Hinge for refrigerators and the like, Concealed. J. Soss. 1,772,559; Aug. 12.
- Hinge for refrigerators or the like. G. Graff. Des. 81,691; July 29.
- Hinge for sewed-in bag frames. F. T. Stuart. 1,744,841; Jan. 28.
- Hinge for toilet seats. J. W. Bishop. 1,758,923; May 20.
- Hinge, Friction. W. K. Fellows. 1,742,698-9; Jan. 7.
- Hinge, Friction. M. I. Kast. 1,745,545; Feb. 4.
- Hinge, Friction. H. T. Walton. 1,768,810; July 1.
- Hinge, Gravity. G. H. Anderson. 1,767,111; June 24.
- Hinge, Gravity. W. T. Snyder. 1,768,161; June 24.
- Hinge index unit, Triple-. E. C. Walter. 1,757,154; May 6.
- Hinge joint for anchor jacks. F. C. Souleyret. 1,765,248; June 17.
- Hinge last. H. W. Lucas. 1,783,658; Dec. 2.
- Hinge last. G. C. Thomas. 1,783,682; Dec. 2.
- Hinge leaf. H. H. Raymond. Des. 82,625; Nov. 25.
- Hinge means for lavatory bowls. C. E. Cary. 1,780,615; Nov. 4.
- Hinge member for cards. G. H. Dawson. 1,760,401; May 27.
- Hinge members, Making covered-joint. S. B. Atwood. 1,763,337; June 10.
- Hinge, Pin. I. W. Cooper. 1,765,131; June 17.
- Hinge plate for railroad spreader wings. V. G. Tellis. 1,763,680; June 17.
- Hinge-seat gauge. J. R. Houts. 1,787,313; Dec. 30.
- Hinge, Side-wall floor-rack. E. A. Sweeley and N. T. Anderson. 1,776,169; Sept. 16.
- Hinge structure. E. A. Regan. 1,785,362; Dec. 16.
- Hinge structure for sidewalk doors. D. Carpenter. 1,768,308; June 24.
- Hinge, Tape-affixing machine. E. W. Reutener. 1,769,391; July 1.
- Hinge, Toilet-seat. G. Johnson. 1,784,630; Dec. 9.
- Hinged cap. J. E. Poole. 1,743,046; Jan. 7.
- Hinged joint. A. J. Cooper. 1,771,289; July 22.
- Hinged rack. G. Garcia. 1,783,708; Dec. 2.
- Hitch. L. C. Crosby. 1,776,724; Sept. 23.
- Hitch. J. L. Hagel. 1,780,186; Nov. 4.
- Hitch. H. F. Townner. 1,775,297; Sept. 9.
- Hitch and control apparatus, Agricultural-implement. W. A. Wallace and A. M. Dossey. 1,772,329; Aug. 5.
- Hitch, Double. S. Buzard and W. Flaharty. 1,777,687; Oct. 7.
- Hitch for agricultural implements. E. F. Ramseier. 1,756,305; Apr. 29.
- Hitch for mowing machines and the like. C. E. Gates. 1,750,514; Mar. 11.
- Hitch for road machines, Tractor. P. D. Smith. 1,760,919; June 3.
- Hitch for trailers or the like. E. M. McMurtry. 1,768,705; July 1.
- Hitch, Safety. G. Den Besten. 1,754,412; Apr. 15.
- Hitch, Tension trailer. E. C. Bedford. 1,745,733; Feb. 4.
- Hive frame. G. G. Frater. 1,782,202; Nov. 18.
- Hob. J. Edgar. 1,760,125; May 27.
- Hob. C. G. Olson. 1,763,983; June 17.
- Hob. C. G. Olson. 1,772,634; Aug. 12.
- Hob for cutting roller-chain sprockets. C. G. Olson. 1,772,635; Aug. 12.
- Hobbing tapered gears. A. H. Candee. 1,772,585; Aug. 12.
- Hobble. W. Wunsche. 1,782,835; Nov. 25.
- Hobbyhorse and scooter, Combined. L. R. Judick. 1,743,819; Jan. 14.
- Hobs, Apparatus for gashing and sharpening. A. H. Candee. 1,758,103; May 13.
- Hobs, Apparatus for relieving. A. H. Candee. 1,758,102; May 13.
- Hockey pad. E. O. Knischewsky. 1,758,260; May 13.
- Hoe. G. M. Harry. 1,757,572; May 6.
- Hoe. E. F. and A. Sill. 1,757,882; May 6.
- Hoe and rake, Combination. C. Geffken. 1,757,942; May 6.
- Hoe, Power-operated. J. C. Ditlevsen. 1,743,195; Jan. 14.
- Hoe, Push. J. E. Steinnour and P. Brubaker. 1,768,163; June 24.
- Hoe, Rotary. C. F. Bauer. 1,749,206; Mar. 4.
- Hog house. J. Heizenreter. 1,743,603; Jan. 14.
- Hog house. A. V. Rowe. 1,750,026; Mar. 11.
- Hog house. L. V. Wessel. 1,744,692; Jan. 21.
- Hog-snout puller. J. J. Dolzer. 1,764,551; June 17.
- Holst. A. H. Chappelka. 1,782,679; Nov. 25.
- Holst. A. S. Hughes. 1,744,830; Jan. 28.
- Holst. A. S. Hughes. 1,744,897; Jan. 28.
- Holst. G. D. Mallory. 1,746,707; Feb. 11.
- Holst. A. Master. 1,769,380; July 1.
- Holst. C. F. Osgood. 1,762,696; June 10.
- Holst. C. P. Ross. 1,755,840; Apr. 22.
- Holst. E. C. Sonntag. 1,747,034; Feb. 11.
- Holst. C. J. Weber and R. A. Seek. 1,766,157; June 24.
- Holst. R. D. Whitaker, jr. 1,768,278; June 24.
- Holst, Adjustable skip. W. G. Venard. 1,785,371; Dec. 16.
- Holst, Anchor. T. H. Wills. 1,767,568; June 24.
- Holst anchorage for car roofs. A. R. Wilson. 1,780,730; Nov. 4.

- Hoist, Bell. A. E. Handy. 1,768,054; June 24.
 Hoist, Body. A. P. Peterson. 1,745,268; Jan. 28.
 Hoist, Chain. F. L. Gormley. 1,756,459; Apr. 29.
 Hoist, Chain. J. W. Snedeker. 1,764,421; June 17.
 Hoist, conveyer, Multicable, extension. J. D. Lawrence. 1,760,150; May 27.
 Hoist, Crane. J. A. Shepard. 1,765,347; June 17.
 Hoist, Dumping-vehicle. C. F. Higgins. 1,757,191; May 6.
 Hoist, Electrically-operated. E. B. Bryant. 1,745,205; Jan. 28.
 Hoist, Fish-net. J. A. Reed. 1,761,365; June 3.
 Hoist for automobiles and the like. P. J. Sullivan. 1,760,671; May 27.
 Hoist, Hydraulic electric-bell. G. Fox. 1,760,637; May 27.
 Hoist-line fair lead. F. E. Brown. 1,767,735; June 24.
 Hoist mechanism. F. T. Kern. 1,744,970; Jan. 28.
 Hoist mechanism. F. T. Kern. 1,767,683; June 24.
 Hoist, Portable. R. E. Wyman. 1,766,968; June 24.
 Hoist, Rotary. E. E. Greve. 1,775,341; Sept. 9.
 Hoist safety means, Boom-. E. H. Lichtenberg. 1,775,435; Sept. 9.
 Hoist, Traversing. G. A. Grab. 1,757,798; May 6.
 Hoist, Traversing. C. M. Samuelsson. 1,777,019; Sept. 30.
 Hoist, Wall-board. J. W. Kinser. 1,762,397; June 10.
 Hoist, Water. T. C. Spelling. 1,753,163-4; Apr. 1.
 Hoist, Window. J. F. Kacena. 1,775,398; Sept. 9.
 Hoisting and conveying device, Towerless. M. C. De Wolfe. 1,773,964; Aug. 26.
 Hoisting and dumping apparatus, Car. M. B. McLauthlin. 1,767,768; June 24.
 Hoisting and hauling carriage for use on elevated track-ways. K. Berger. 1,782,528; Nov. 25.
 Hoisting and transporting apparatus. C. L. Best. 1,763,747; June 17.
 Hoisting and transporting device. M. J. Fitzgerald, jr. 1,742,384; Jan. 7.
 Hoisting and weighing means. H. F. Ruggles. 1,753,753; Apr. 8.
 Hoisting apparatus. J. S. Barclay. 1,759,292; May 20.
 Hoisting apparatus. C. Carlson. 1,776,414; Sept. 23.
 Hoisting apparatus. C. V. Hallenbeck. 1,746,079; Feb. 4.
 Hoisting apparatus. W. Sheldon. 1,772,370; Aug. 5.
 Hoisting apparatus, Automatic. F. N. Whitesell. 1,766,236; June 24.
 Hoisting apparatus, Building-material-. A. C. Rasmussen. 1,759,324; May 20.
 Hoisting apparatus for the loading and unloading of rails on railway trucks, Foldable. J. Legrand and P. Guilbert. 1,744,392; Jan. 21.
 Hoisting carrier. G. W. Clausinz. 1,768,542; July 1.
 Hoisting device. R. B. Coffman. 1,755,574; Apr. 22.
 Hoisting device. G. M. Rix. 1,750,815; Mar. 18.
 Hoisting device, Reversible. C. R. Shepley. 1,770,555; July 15.
 Hoisting hook. C. L. Matthews. 1,787,318; Dec. 30.
 Hoisting machine. G. W. Payne. 1,781,700; Nov. 18.
 Hoisting machine, Portable. A. H. Wilson. 1,782,703; Nov. 25.
 Hoisting mechanism. G. R. Blackwood. 1,754,873; Apr. 15.
 Hoisting mechanism. G. H. Gilman. 1,763,600; June 10.
 Hoisting mechanism. M. P. Holmes. 1,763,631; June 10.
 Hoisting mechanism. M. P. Holmes. 1,771,959; July 29.
 Hoisting mechanism. R. C. Osgood. 1,765,694; June 24.
 Hoisting mechanism. W. C. Tyler. 1,763,023; June 10.
 Hoisting tackle. G. C. Hume. 1,764,512; June 17.
 Hoists, Thrust apparatus for friction. R. G. Barzen. 1,773,509; Aug. 19.
 Holddown for squaring shears. J. J. Kutscheld. 1,761,351; June 3.
 Holddown, Nonadjustable. F. L. Seeley. 1,753,838; Apr. 8.
 Holder. C. A. Hornburg. 1,745,260; Jan. 28.
 Holder. E. F. Kaiser. 1,784,237; Dec. 9.
 Holder. R. E. Long. 1,752,645; Apr. 1.
 Holder. C. E. McGirk. 1,773,628; Aug. 19.
 Holder. G. Morgan. 1,769,382; July 1.
 Holder. M. T. Westheimer. 1,770,962; July 22.
 Holder, Adjustable floating tool. J. E. Daniels. 1,759,101; May 20.
 Holder, Adjustable license-plate. F. H. Nagatz. 1,784,196; Dec. 9.
 Holder, Adjustable plant. V. Coscioni. 1,771,207; July 22.
 Holder, Adjustable-tension paper. J. A. Hoegger. 1,781,547; Nov. 11.
 Holder, Adjustable water-sprinkler. A. S. Morris. 1,780,308; Nov. 4.
 Holder adapter for reflectors. R. McWilliam. 1,763,436; June 10.
 Holder, Advertising-card. W. Auberlin. 1,762,321; June 10.
 Holder and ash receiver, Combined cigarette. L. E. Ford. Des. 80,686; Mar. 11.
 Holder and ash receptacle, Cigarette. L. Weisberg. 1,766,571; June 24.
 Holder and ash tray, Combination pen. E. L. Johnson. Des. 81,286; June 3.
 Holder and ash tray or similar article, Combination cigarette. A. von Frankenberg. Des. 81,609; July 15.
 Holder and ash tray or the like article, Combination cigarette. A. von Frankenberg. Des. 80,816; Mar. 25.
 Holder and bag dispenser, Bag. W. W. Irving. 1,753,569; Apr. 8.
 Holder and bracket therefor, Flowerpot. J. Halberstadter. 1,786,995; Dec. 30.
 Holder and buffer, Combined door. G. W. Wells. 1,768,459; June 24.
 Holder and bushing ejector, Valve. L. Vaught. 1,759,175; May 20.
 Holder and concrete anchor, Combination form. C. N. Rohaut and E. G. Gearhart. 1,781,601; Nov. 11.
 Holder and container. L. R. Rench. 1,743,481; Jan. 14.
 Holder and cord take-up, Combined iron. F. Ellinger. 1,762,966; June 10.
 Holder and cutter, Paper. O. Ulrich. 1,773,606; Aug. 19.
 Holder and cutter, Thread. A. Z. Bennett. 1,749,691; Mar. 4.
 Holder and cutter, Twine. H. J. Tynan. 1,784,258; Dec. 9.
 Holder and dispenser, Note. H. Levy. 1,781,022; Nov. 11.
 Holder and elevator, Pipe. J. S. Taylor. 1,762,037; June 3.
 Holder and elevator, Well-casing. C. E. Reed. 1,776,043; Sept. 16.
 Holder and guard, Receptacle. M. Krischer. 1,750,672; Mar. 18.
 Holder and guide, Adjustable shade. J. M. Hause. 1,751,814; Mar. 25.
 Holder and handle, Blade. J. A. Gaffney. 1,753,459; Apr. 8.
 Holder and honing stripping means, Combined razor. M. Alland. 1,743,747; Jan. 14.
 Holder and lighter, Combined cigarette. J. F. Durnen. 1,771,113; July 22.
 Holder and lock, Bottle. W. C. Frick. 1,746,527; Feb. 11.
 Holder and massaging device, Combined soap. H. Barnowitz. 1,748,008; Feb. 18.
 Holder and match box, Combined cigarette-package. S. A. Kornsweet. 1,782,145; Nov. 18.
 Holder and moistener, Tape. H. J. Taylor. 1,749,650; Mar. 4.
 Holder and parking indicator, Automobile license-plate. H. W. Johnson. 1,774,378; Aug. 26.
 Holder and protector, Bill. L. Anderson. 1,787,335; Dec. 30.
 Holder and protector for artificial flowers. G. Penrose. 1,767,940; June 24.
 Holder and sprinkler, Nozzle. C. H. Archer. 1,763,119; June 10.
 Holder and stretcher, Necktie. J. J. Fitzgerald. 1,757,622; May 6.
 Holder and the like article and making same, Ornamental cigarette and cigar. S. Serota. 1,764,694; June 17.
 Holder and the like, Card. S. Oransky. 1,751,656; Mar. 25.
 Holder, Animal. O. A. Reeves. 1,763,181; June 10.
 Holder, Article. L. E. La Bombard and M. H. Sidebotham. 1,765,415; June 24.
 Holder, Ash-tray. F. J. Cheslock. 1,757,792; May 6.
 Holder, Automatic train-order and message-hoop. E. A. Webb. 1,760,730; May 27.
 Holder, Automobile license. R. T. Smith. 1,743,693; Jan. 14.
 Holder, Automobile license-plate. S. Faith. Des. 81,970; Sept. 9.
 Holder, Baby. B. Krasnick. 1,776,122; Sept. 16.
 Holder, Baby bottle. B. Simons. 1,786,459; Dec. 30.
 Holder, Bacon. C. C. Smith. 1,755,413; Apr. 22.
 Holder, Bag. C. E. Constable. 1,781,164; Nov. 11.
 Holder, Bag. E. P. Donnellan. 1,753,852; Apr. 8.
 Holder, Bag. J. Leicht, jr. Re17,848; Oct. 28.
 Holder, Bag. D. W. Mahaffey. 1,782,736; Nov. 25.
 Holder, Bag. L. M. Roehl. 1,783,749; Dec. 2.
 Holder, Bag. G. L. Weckert. 1,755,584; Apr. 22.
 Holder, Bail. N. H. Davis. 1,760,687; May 27.
 Holder, Band-saw. F. Lehmbeck. 1,784,696; Dec. 9.
 Holder, Bill. R. M. Ancla. 1,761,809; June 3.
 Holder, Bill. L. E. Baer. 1,753,186; Apr. 1.
 Holder, Bit or drill. W. B. Nurdock. 1,784,380; Dec. 9.
 Holder, Blade. W. G. Lenze. 1,745,103; Jan. 28.
 Holder, Blade. J. A. O'Neill. 1,755,791; Apr. 22.
 Holder, Blade. J. A. Seymour. 1,757,881; May 6.
 Holder, Blade. F. L. Van Dusen. 1,769,403; July 1.
 Holder, Blade. E. F. and M. White. 1,765,812; June 24.
 Holder, Blotter. N. D. Murray. 1,785,642; Dec. 16.
 Holder, Blotter. F. C. Partell. 1,754,368; Apr. 15.
 Holder, Bob. H. Natkiel. 1,787,393; Dec. 30.
 Holder, Bobbin. P. J. Thomas. 1,751,566; Mar. 25.
 Holder, Bottle. P. E. Allen. 1,778,545; Oct. 14.
 Holder, Bottle. S. T. Hobb. 1,782,962; Nov. 25.
 Holder, Bottle. V. C. Porter. 1,772,265; Aug. 5.
 Holder, Bottle. S. Smith. 1,742,619; Jan. 7.
 Holder, Broom. A. F. Gillet. 1,779,427; Oct. 28.
 Holder, Broom. W. F. Hacking. 1,783,119; Nov. 25.
 Holder, Brush. H. C. Aulwes. 1,752,361; Apr. 1.
 Holder, Brush. P. W. Baker. 1,785,996; Dec. 23.
 Holder, Brush. W. H. Jayne. 1,775,558; Sept. 9.
 Holder, Brush. O. C. Schroeder. 1,774,998; Sept. 2.
 Holder, Brush. H. A. Stang. 1,764,763; June 17.
 Holder, Can. F. J. Moravek. 1,759,797; May 20.
 Holder, Candle. P. J. Knorpp. Des. 81,653; July 22.
 Holder, Candle. H. Rithner. Des. 81,999; Sept. 9.
 Holder, Candle. H. A. Vogel. Des. 82,297; Oct. 14.
 Holder, Carbon-paper. C. L. Kelly. 1,743,820; Jan. 14.
 Holder, Card. A. A. Beyer. Des. 80,668-9; Mar. 11.
 Holder, Card. F. C. Diven. 1,770,914; July 22.

- Holder, Card. I. M. Ikelheimer. 1,747,077; Feb. 11.
 Holder, Card. A. G. Lorenz. 1,767,993; June 24.
 Holder, Card. J. V. Schafer. 1,756,885; Apr. 29.
 Holder, Card. H. C. Sharp. 1,757,440; May 6.
 Holder, Card. P. B. Vogel. 1,769,610; July 1.
 Holder, Cartridge. J. B. Jovino. 1,781,816; Nov. 18.
 Holder, Certificate. E. A. Morris. 1,764,114; June 17.
 Holder, Certificate. L. L. Sherwood. 1,771,658; July 29.
 Holder, Check. F. N. Reynolds. Des. 81,257; May 27.
 Holder, Check-stub. C. E. Ebersol and R. Grieve. 1,759,103; May 20.
 Holder, Christmas-tree. G. L. Goldwood. 1,766,170; June 24.
 Holder, Christmas-tree. F. E. Johnson. 1,770,853; July 15.
 Holder, Christmas-tree. B. F. Muldoon. 1,742,212; Jan. 7.
 Holder, Christmas-tree. J. C. Smith. 1,750,367; Mar. 11.
 Holder, Cigar or cigarette. G. A. Williams. 1,774,073; Aug. 26.
 Holder, Cigarette. J. W. Blesch. 1,781,566; Nov. 11.
 Holder, Cigarette. C. A. Macready. 1,776,563; Sept. 23.
 Holder, Cigarette. A. M. Nurnberg. 1,780,936; Nov. 11.
 Holder, Cigarette. L. Offerman. Des. 81,348; June 10.
 Holder, Cigarette. L. H. Offutt. 1,747,024; Feb. 11.
 Holder, Cigarette and cigar. R. Hirsch. 1,780,389; Nov. 4.
 Holder, Cigarette and cigar. H. F. Husted. 1,767,927; June 24.
 Holder, Cigarette-package. W. C. Hlering. Des. 80,835; Apr. 1.
 Holder, Cigarette-package. W. C. Hlering. Des. 82,746; Dec. 9.
 Holder, Cloth. A. Deinstein. 1,750,463; Mar. 11.
 Holder, Cloth. W. H. Deubener. 1,752,896; Apr. 1.
 Holder, Coin. R. N. Doble. 1,757,008; May 6.
 Holder, Coin. E. A. Rulfs. Des. 82,586; Nov. 18.
 Holder, Collapsible book. L. E. Stackpole. 1,756,220; Apr. 29.
 Holder, Collapsible-tube. J. I. Ries. 1,784,752; Dec. 9.
 Holder, Collar. L. E. Baer. Des. 81,369; June 17.
 Holder, Collar. B. Blecher. Des. 82,895; Dec. 23.
 Holder, Collar. W. A. Ormsbee. Des. 82,051; Sept. 16.
 Holder, Combined brush and hat. C. V. Pohlson. Des. 81,300; June 3.
 Holder, Combined brush and hat. C. V. Pohlson. 1,781,822; Nov. 18.
 Holder, Combined collar and necktie. W. J. Morse. 1,780,532; Nov. 4.
 Holder, Combined mop and brush. W. A. Smith. 1,752,512; Apr. 1.
 Holder, Combined paper-sack and twine. W. A. McSwain. 1,743,721; Jan. 14.
 Holder, Computer-card. M. W. Hartzell. 1,765,668; June 24.
 Holder, Concrete-form. C. J. Kohler. 1,755,960; Apr. 22.
 Holder, Condiment. I. E. Brown and N. Hoffman. 1,744,358; Jan. 21.
 Holder, Condiment. W. A. Fisher. Des. 82,808; Dec. 16.
 Holder, Condiment. F. A. Hart. 1,757,525; May 6.
 Holder, Condiment. F. A. Hart and E. Askew. 1,765,152; June 17.
 Holder, Condiment. A. H. Tramer. 1,761,806; June 3.
 Holder, Container. F. M. Furey. 1,757,184; May 6.
 Holder, Cop. A. Hlavac. 1,762,516; June 10.
 Holder, Cop. L. J. Sladek and H. G. Anderson. 1,781,135; Nov. 11.
 Holder, Cop. E. R. Swanson. 1,777,236; Sept. 30.
 Holder, Cop. E. A. De Wolf. 1,759,392; May 20.
 Holder, Cop. E. A. De Wolf. 1,762,261; June 10.
 Holder, Copy. G. C. Beidler. 1,760,734; May 27.
 Holder, Copy-sheet. E. H. Murphy. 1,779,678; Oct. 28.
 Holder, Cosmetic. H. W. Wild and P. A. Reutter. 1,787,183; Dec. 30.
 Holder, Counter-partition. A. Vanderveld. 1,747,496; Feb. 18.
 Holder, Coupon. E. R. Sullivan. 1,744,150; Jan. 21.
 Holder, Cover. E. G. Doland. 1,765,135; June 17.
 Holder, Cover. H. Lerner. 1,745,548; Feb. 4.
 Holder, Crayon and eraser. B. Towne. 1,750,912; Mar. 18.
 Holder, Crib sheet. C. H. Loeb. 1,759,487; May 20.
 Holder, Curtain. H. J. Ferguson. 1,757,301; May 6.
 Holder, Curtain. G. Kalenoff. 1,760,701; May 27.
 Holder, Curtain or portière. D. S. Quintard. 1,756,365; Dec. 23.
 Holder, Cutting-torch. J. Temple. 1,759,288; May 20.
 Holder, Dental floss. F. C. Schubert. 1,780,045; Oct. 28.
 Holder, Desk watch. D. E. Willard. 1,763,026; June 10.
 Holder, Device. C. R. Jenkins. 1,774,201; Aug. 26.
 Holder, Device for collapsible tubes. W. P. McCorkindale. 1,747,590; Feb. 18.
 Holder, Device for stockings. E. R. Meinig. 1,761,402; June 3.
 Holder, Diamond-tool. E. S. Richardson. 1,763,479; June 10.
 Holder, Die. A. Rafter. 1,778,339; Oct. 14.
 Holder, Dish. H. Carew. Des. 80,776; Mar. 25.
 Holder, Dish. H. Carew. 1,750,568; Mar. 11.
 Holder, Dish. P. R. Simmons. 1,769,324; July 1.
 Holder, Disk-record. B. C. Kenyon. 1,772,901; Aug. 12.
 Holder, Display. L. Flier. 1,752,246; Mar. 25.
 Holder, Display. F. V. Moore. 1,759,862; May 27.
 Holder, Door. N. Christiansen. 1,742,303; Jan. 7.
 Holder, Door. C. Comstock. 1,749,905; Mar. 11.
 Holder, Door. S. W. Houston. 1,762,095; June 3.
 Holder, Door. N. B. Hurd. 1,777,672; Oct. 7.
 Holder, Door. H. W. Miller. 1,768,326; June 24.
 Holder, Door. V. Newren. 1,743,379; Jan. 14.
 Holder, Door. R. S. Potter. 1,763,324; June 10.
 Holder, Door. F. W. Richards. 1,780,403; Nov. 4.
 Holder, Door. G. W. Wells. 1,768,458; June 24.
 Holder, Drill. A. Briesse and R. Callow. 1,744,521; Jan. 21.
 Holder, Drill-operating. G. W. Berry. 1,765,362; June 24.
 Holder, Easel photo. O. Gross. 1,765,010; June 17.
 Holder, Egg. M. Hart. 1,759,398; May 20.
 Holder, Electric arc-furnace electrode. O. L. Mills. 1,775,437; Sept. 9.
 Holder, Electrode. H. Brock. 1,760,395; May 27.
 Holder, Electrode. C. H. Hollup. 1,748,346; Feb. 25.
 Holder, Electrode. C. H. Hollup. 1,756,550; Apr. 29.
 Holder, Electrode. P. L. Orr. 1,781,930; Nov. 18.
 Holder, Electrode. J. H. Quisenberry. 1,784,075; Dec. 9.
 Holder, Emblem. C. S. Price. 1,750,605; Mar. 11.
 Holder, Envelope label. E. A. Barfield. 1,776,880; Sept. 30.
 Holder especially for knitting machines for mending knitted, woven, or similar articles, Work. D. Torgersen. 1,751,956; Mar. 25.
 Holder, Extension-bit. C. W. Smith. 1,768,219; June 24.
 Holder, Fabric and thread. E. J. Gearhart. 1,773,618; Aug. 19.
 Holder, Fabric-roll. G. Graham and A. C. Helms. 1,768,682; July 1.
 Holder, Film. E. S. Hodgson. 1,743,138; Jan. 14.
 Holder, Film. A. N. Merle. 1,751,593; Mar. 25.
 Holder, Fishhook. C. J. Townsend. 1,755,903; Apr. 22.
 Holder, Fish-rod. W. H. Meehan. 1,786,254; Dec. 23.
 Holder, Flag. L. A. Ames. 1,744,196; Jan. 21.
 Holder, Flag. H. L. Fanslau and W. L. Mahnke. 1,743,442; Jan. 14.
 Holder, Flag. R. H. Lazarus. 1,782,070; Nov. 18.
 Holder, Flag. J. P. Scott. 1,765,245; June 17.
 Holder, Flag. W. L. Shirley and C. H. Leap. 1,779,051; Oct. 21.
 Holder, Flag. S. Smith. 1,755,372; Apr. 22.
 Holder, Flagpole. J. A. Gerow and A. C. Cannon. 1,787,150; Dec. 30.
 Holder, Flagstaff. J. S. Bitner. 1,785,509; Dec. 16.
 Holder, Flower. J. Albany. 1,769,198; July 1.
 Holder, Flower. C. A. Boyer. 1,784,621; Dec. 9.
 Holder, Flower. R. C. Ham. Des. 81,094; May 6.
 Holder, Flower. W. H. Link. 1,775,250; Sept. 9.
 Holder, Flower. R. H. Osbrink. Des. 82,173; Sept. 30.
 Holder, Flowerpot. J. Damelio. Des. 82,660; Dec. 2.
 Holder, Flowerpot. J. R. Dew and R. Guffey. Des. 81,436; June 24.
 Holder for applying fulminate to self-lighting cigarettes. M. S. Brown. 1,774,316; Aug. 26.
 Holder for automobiles, License-plate. W. Depfer. 1,768,192; June 24.
 Holder for bags. A. N. Hanna and W. F. Lemon. 1,772,079; Aug. 5.
 Holder for bar candy or the like, Display. G. H. Cardinet. 1,752,519; Apr. 1.
 Holder for books, Leaf. K. Hayashi. 1,762,686; June 10.
 Holder for bottles, Card. T. A. Peterson. 1,776,085; Sept. 16.
 Holder for broiler pans, Silding. E. Breilwieser. 1,772,534; Aug. 12.
 Holder for buckets and other containers. M. Firl. 1,772,392; Aug. 5.
 Holder for cameras, Filter. I. I. Green. 1,780,384; Nov. 4.
 Holder for candles. E. W. Heisey. 1,761,299; June 3.
 Holder for carboys and the like. H. A. Dorr. 1,744,215; Jan. 21.
 Holder for cards or the like. J. M. Hurley. 1,748,419; Feb. 25.
 Holder for casement windows, doors, or the like. L. W. Block. 1,158,309; May 13.
 Holder for check stubs. M. F. Bowes. 1,768,028; June 24.
 Holder for Christmas trees and other articles, Knockdown. W. A. Finnegan. 1,748,759; Feb. 25.
 Holder for Christmas trees and the like. H. Van Dorin. 1,772,693; Aug. 12.
 Holder for chromium-plating machines, Plate. W. S. Eaton. 1,747,165; Feb. 18.
 Holder for cigarette packages. J. Parsons. 1,761,408; June 3.
 Holder for cigars, cigarettes, cigar and cigarette ashes, electric lamps, and other articles. S. Brown. 1,747,157; Feb. 18.
 Holder for clinical thermometers, Sterilizing. A. A. Goldstein. 1,777,641; Oct. 7.
 Holder for cones so called or other containers of various types. M. D. Jeffries. 1,772,489; Aug. 12.
 Holder for confectionery. E. F. Kemp. 1,786,392; Dec. 23.
 Holder for counters, Partition. E. Morris. 1,767,806; June 24.
 Holder for cut flowers. C. J. Straub. 1,762,843; June 10.
 Holder for cutting fruit. F. Wilmking. 1,764,235; June 17.
 Holder for cutting tables, Cloth. W. Jacobson. 1,746,258; Feb. 11.
 Holder for disinfectants, deodorants, and the like. J. C. Vallebuona. 1,751,257; Mar. 18.

- Holder for display strips. R. A. Furlong. 1,787,308; Dec. 30.
- Holder for drinking cups. F. P. Swallow. 1,762,490; June 10.
- Holder for dusters and the like. H. Hertzberg. 1,784,287; Dec. 9.
- Holder for dynamos, Brush. T. S. Bindschedler and P. J. Koster. 1,761,066; June 3.
- Holder for electric lamps, Shade. J. J. Decker. 1,765,212; June 17.
- Holder for electric tools, Brush. J. N. Baker. 1,751,462; Mar. 25.
- Holder for electrical machines, Brush. C. W. Dake. 1,785,183; Dec. 16.
- Holder for eyeglasses, Extension. W. Fischer. 1,751,804; Mar. 25.
- Holder for flash lights, Bulb. H. W. Staples. 1,771,002; July 22.
- Holder for florists, Wire and pick. G. F. Rhea. 1,763,986; June 17.
- Holder for fragile articles, Packing. M. Koppelman. 1,746,838; Feb. 11.
- Holder for freezers and ice-cream cabinets, Ice-cream-can. B. M. Emig and W. G. Dobbs. 1,771,883; July 29.
- Holder for golf balls or the like. B. B. Morss. 1,778,225; Oct. 14.
- Holder for graphic instruments. E. Oldenbusch. 1,751,354; Mar. 18.
- Holder for grinding machines, Work. A. M. Drake. 1,760,587; May 27.
- Holder for grindstones, Tool. C. E. Davidson. 1,773,448; Aug. 19.
- Holder for hammers, Sow-block. M. H. Damerell. 1,751,075; Mar. 18.
- Holder for heated devices. H. T. Heimberger and E. Pugh. 1,786,065; Dec. 23.
- Holder for inlays, tooth crowns, and the like. K. Dehne. 1,771,327; July 22.
- Holder for keys or the like. A. Droutman. 1,762,770; June 10.
- Holder for lamp housings. R. W. Erskine. 1,760,978; June 3.
- Holder for lamp shades, Display. T. B. Chamberlain and C. H. Bailey. 1,762,761; June 10.
- Holder for lathes, etc., Adjustable tool. C. E. Henry. 1,768,762; July 1.
- Holder for lighting fixtures or similar articles, Globe. G. Hoch. Des. 80,953; Apr. 15.
- Holder for maps, etc. C. B. Sledge and D. J. O'Connor, jr. 1,760,785; May 27.
- Holder for memorandum pads. J. S. Prickitt. Re17,588; Feb. 11.
- Holder for metal-working machines, Tool. W. Burkart and F. H. Petersen. 1,779,059; Oct. 21.
- Holder for milk bottles and other articles. G. R. Hoffman. 1,744,385; Jan. 21.
- Holder for miners' caps, Lamp. E. Israel. 1,768,201; June 24.
- Holder for pans and covers. R. A. Kottke. 1,755,654; Apr. 22.
- Holder for paper slips. R. S. Young. 1,782,185; Nov. 18.
- Holder for pens and pencils. J. M. Shields. 1,776,295; Sept. 23.
- Holder for portable electric lamps, Shade. M. B. Bowen. 1,766,976-7; June 24.
- Holder for portable electric lamps, Shade. M. B. Bowen. 1,771,244; July 22.
- Holder for price tags. O. Burns. 1,743,266; Jan. 14.
- Holder for razor blades and paper, Combination. H. B. Sherman and D. P. Ordway. 1,770,289; July 8.
- Holder for reins and the like. J. Gowen. 1,768,596; July 1.
- Holder for reknitting fabrics. A. C. Parlani. 1,782,879; Nov. 25.
- Holder for rolled paper. J. A. Hoegger. 1,778,856; Oct. 21.
- Holder for safety-razor blades. A. B. Thomas. 1,774,680; Sept. 2.
- Holder for sanitary covers for toilet seats. D. J. Kann. 1,760,363; May 27.
- Holder for shingles, Nail. W. J. Parker. 1,745,315; Jan. 28.
- Holder for sifter-top cans or packages. L. S. Witherspoon. 1,784,979; Dec. 16.
- Holder for soap sticks and the like. F. Reutter. 1,760,886; June 3.
- Holder for socket-wrench sets. H. G. Rice. 1,784,203; Dec. 9.
- Holder for socks or other articles, Display. W. H. White. 1,765,043; June 17.
- Holder for soda fountains, Glass. W. Cecil. 1,742,635; Jan. 7.
- Holder for spinning rings. H. E. Herr. 1,745,796; Feb. 4.
- Holder for talking machines, Record. T. T. Greene. 1,767,052; June 24.
- Holder for tank cars, Placard. W. E. Cooper and F. K. Habernicht. 1,750,091; Mar. 11.
- Holder for tank cars, Reversible placard. S. L. Joiner. 1,749,943; Mar. 11.
- Holder for thermionic tubes. W. W. Robinson. 1,750,053; Mar. 11.
- Holder for the sound boxes of talking machines, Needle. J. Eigenheer. 1,786,232; Dec. 23.
- Holder for weft-replenishing looms, Thread. A. F. Morrell. 1,786,671; Dec. 30.
- Holder for weft-replenishing looms, Thread. W. H. Wakefield. 1,766,734; June 24.
- Holder for wire-drawing benches, Die. C. Siegfried. 1,776,296; Sept. 23.
- Holder for writing implements. C. J. Hill. 1,747,167; Feb. 18.
- Holder, Fountain pen. W. E. Lovell. 1,742,659; Jan. 7.
- Holder, Fruit. E. D. Ostricher. 1,749,224; Mar. 4.
- Holder, Fusible-plug. I. I. Nelson. 1,768,778; July 1.
- Holder, Garbage-can. J. W. Ahrold. 1,779,867; Oct. 28.
- Holder, Garment. R. S. Scott. 1,747,088; Feb. 11.
- Holder, Garment. R. S. Scott. 1,773,873; Aug. 26.
- Holder, Gas. R. R. Wagner. 1,774,955; Sept. 2.
- Holder, Gas. F. H. Wagner. 1,781,256; Nov. 11.
- Holder, Gas. F. H. Wagner. 1,782,861; Nov. 25.
- Holder, Gas. F. H. Wagner. 1,782,949; Nov. 25.
- Holder, Gauge and work. M. J. Graham. 1,769,129; July 1.
- Holder, Gem. W. B. Hopkins. 1,780,015; Oct. 28.
- Holder, Glare-shield. O. S. Nelson. 1,780,400; Nov. 4.
- Holder, Globe or shade. N. C. Petrillo. 1,755,836-7; Apr. 22.
- Holder, Golf-ball. O. A. Anderson. 1,754,495; Apr. 15.
- Holder, Grain-spout. R. R. Howell. 1,749,583; Mar. 4.
- Holder, Grain-spout. W. Kutz. 1,759,858; May 27.
- Holder, Hand-lamp. W. B. Schulte. 1,778,568; Oct. 14.
- Holder, Hand sandpaper. R. W. Maris. 1,782,577; Nov. 25.
- Holder, Harrow-tooth. J. L. Brewton. 1,760,341; May 27.
- Holder, Hat. E. Au Werter. 1,777,388; Oct. 7.
- Holder, Hat. J. C. Harvey. 1,782,302; Nov. 18.
- Holder, Hat. E. W. Johnson. 1,770,782; July 15.
- Holder, Hat. O. I. Massey and C. C. Massey. 1,776,634; Sept. 23.
- Holder, Hat and coat. E. J. Merkley. 1,777,046; Sept. 30.
- Holder, Heated spark-plug. R. Rouillard. 1,784,541; Dec. 9.
- Holder, Hog. L. Hermann. 1,746,115; Feb. 4.
- Holder, Hose. S. L. Goldman. 1,746,151; Feb. 4.
- Holder, Hospital chart and card. C. Talley. 1,781,139; Nov. 11.
- Holder, Ice-cream. W. E. Good. 1,747,112; Feb. 11.
- Holder, Ice-cream-cone. C. W. Cambell. 1,748,204; Feb. 25.
- Holder, Ice-pick. J. H. Ernst, jr. 1,754,673; Apr. 15.
- Holder, Identification. J. D. McGilvray. 1,765,600; June 24.
- Holder, Index. J. H. Rand. 1,774,241; Aug. 26.
- Holder, Indicating copy. C. Talarn. 1,786,874; Dec. 30.
- Holder, Insecticide. J. Mercogliano. 1,769,589; July 1.
- Holder, Invalid-chair. W. Rosselli. 1,748,904; Jan. 14.
- Holder, Jar. B. A. Lundy and S. P. Hull. 1,761,218; June 3.
- Holder, Jar and cap. W. E. Culp. 1,758,276; May 13.
- Holder, Key. E. B. Donaldson. 1,749,630; Mar. 4.
- Holder, Key. G. A. Holmes. 1,764,451; June 17.
- Holder, Key. H. E. Moore. 1,779,621; Oct. 28.
- Holder, Key and license. H. Gress. 1,752,380; Apr. 1.
- Holder, Knitting-needle. M. Housh. 1,772,666; Aug. 12.
- Holder, Label. F. M. Zimmerman. 1,755,758; Apr. 22.
- Holder, Lamp-shade. A. J. Carmichael. 1,756,937; May 6.
- Holder, Laundry-bag. J. Di Bernardo and F. S. Merne. 1,774,172; Aug. 26.
- Holder, License. L. E. Woolf. 1,746,880; Feb. 11.
- Holder, License-card. M. A. Suarez. 1,751,666; Mar. 25.
- Holder, License-number-plate. B. Chadwick. 1,776,618; Sept. 23.
- Holder, License-plate. D. D. Bast and H. C. Johnson. 1,755,625; Apr. 22.
- Holder, License-plate. A. H. Humphrey. 1,781,642; Nov. 11.
- Holder, License-plate. P. W. Quinn. 1,757,587; May 6.
- Holder, License-plate. F. E. Radabaugh. 1,751,947; Mar. 25.
- Holder, License-tag. C. S. Harris. 1,779,234; Oct. 21.
- Holder, Lighting-fixture-shade. I. Wolarsky. 1,761,511; June 3.
- Holder, Lip-stick. A. S. Lyhne. 1,781,852; Nov. 18.
- Holder, Lip-stick. G. W. Nelson and A. F. Ceres, jr. 1,782,365; Nov. 18.
- Holder, Lip-stick. H. W. Wild. 1,758,303; May 13.
- Holder, Live-bait. A. E. Johnson. 1,745,169; Jan. 28.
- Holder, Loose-lead-pencil. E. Katz. 1,748,229; Feb. 25.
- Holder, Loose-leaf memorandum-pad. T. P. O'Connell. 1,768,266; June 24.
- Holder, Loose-sheet. J. Eifel. 1,745,663; Feb. 4.
- Holder, Machine-tool work. H. Deutsch. 1,750,746; Mar. 18.
- Holder, Magazine and clip. C. J. Cook. 1,756,677; Apr. 29.
- Holder, Map. L. P. Barlow. 1,773,337; Aug. 19.
- Holder, Map. J. H. Beck. 1,759,829; May 27.
- Holder, Map. C. W. Croes. 1,759,544; May 20.
- Holder, Match. J. L. Clarke. 1,749,019; Mar. 4.
- Holder, Match-book. H. H. Schubnell. 1,783,751; Dec. 2.
- Holder, Match-box. G. Rietveld. 1,778,608; Oct. 14.
- Holder, Message. A. M. Fisher. 1,781,752; Nov. 18.
- Holder, Metallic electrode. H. H. Heckman. 1,761,728; June 3.
- Holder, Microtome knife. W. L. Patterson and G. B. Gallasch. 1,765,283; June 17.
- Holder, Milk-bottle. J. N. Daugherty. 1,742,287; Jan. 7.
- Holder, Milk-bottle. W. H. Gebhards. 1,757,521; May 6.

- Holder, Milk-bottle. B. E. Musoman. 1,742,272; Jan. 7.
 Holder, Milk-bottle. J. Psaila. 1,779,290; Oct. 21.
 Holder, Milk-bottle. R. J. Sims. 1,785,232; Dec. 16.
 Holder, Milk-can. H. V. Shuler. 1,745,456; Feb. 4.
 Holder, Milk-container. M. Roman. 1,755,335; Apr. 22.
 Holder, Milk-pail. M. Fitzgerald. 1,770,372; July 8.
 Holder, Miniature-domicile tree. P. J. Werner and J. Sobczak. 1,761,062; June 3.
 Holder, Mixing-bowl. J. D. Tucker. 1,762,805; June 10.
 Holder, Mop. B. J. Duce and S. J. Orent. 1,762,920; June 10.
 Holder, Mop. J. H. Gillis. 1,752,250; Mar. 25.
 Holder, Mop. A. M. Green. 1,784,588; Dec. 9.
 Holder, Mop. J. Klonaris. 1,748,842; Feb. 25.
 Holder, Mop. R. Schampel. 1,742,937; Jan. 7.
 Holder, Motor license. C. Johnson. 1,774,143; Aug. 26.
 Holder, Musical-instrument. G. J. Hasterok and H. Tennes. 1,774,096; Aug. 26.
 Holder, Nail. O. Breithaupt. 1,761,769; June 3.
 Holder, Necktie. E. M. Eisfeld. Des. 82,419; Nov. 4.
 Holder, Necktie. L. E. Goeller. 1,783,840; Dec. 2.
 Holder, Necktie. C. W. Keller. 1,770,139; July 8.
 Holder, Necktie. W. G. Rau. 1,784,537; Dec. 9.
 Holder, Necktie. A. Sorkind. 1,766,695; June 24.
 Holder, Necktie. W. J. Ward. 1,764,705; June 17.
 Holder, Negative. J. W. Hazell. 1,782,068; Nov. 18.
 Holder, Notebook. H. J. Ries. 1,780,042; Oct. 28.
 Holder, Nursing-bottle. H. H. Baumann. 1,753,875; Apr. 8.
 Holder or ash receptacle, Cigar. W. C. Hering. 1,745,761; Feb. 4.
 Holder or similar article, Toilet article. P. T. Frankl. Des. 81,090; May 6.
 Holder or support for slicing machines, Last-slice. H. Thomas. 1,778,472; Oct. 14.
 Holder or the like, Ribbon-spool. O. Vogl. Des. 81,215; May 20.
 Holder, Pad. J. B. Kemp. 1,781,782-3; Nov. 18.
 Holder, Paintbrush. W. Lissy. 1,754,366; Apr. 15.
 Holder, Paintbrush. R. C. Vrooman. 1,772,504; Aug. 12.
 Holder, Paper. H. G. Knoch. 1,786,250; Dec. 23.
 Holder, Paper. A. I. McColl. 1,748,846; Feb. 25.
 Holder, Paper-bag. C. A. Leonard. 1,754,327; Apr. 15.
 Holder, Paper-roll. A. W. Caps. 1,761,464; June 3.
 Holder, Phonographic-roll-film. P. F. Smith and Z. N. Boucher. 1,771,450; July 29.
 Holder, Photographic-roll. F. W. Brehm. 1,771,483; July 29.
 Holder, Picture. A. Dorsey. 1,753,555; Apr. 8.
 Holder, Picture or card. J. L. Brownell. Des. 82,601; Nov. 25.
 Holder, Pipe. W. L. Church. 1,755,572; Apr. 22.
 Holder, Pipe. J. T. Lally. 1,748,885; Feb. 25.
 Holder, Plait. D. M. Reeves. 1,775,695; Sept. 16.
 Holder, Plate. M. G. Rosano. 1,784,112; Dec. 9.
 Holder, Plectrum. P. W. Johansson. 1,784,934; Dec. 16.
 Holder, Pocket. E. W. Perry and G. A. Hudson. 1,784,312; Dec. 9.
 Holder, Polish-rod. J. N. Martin. 1,778,266; Oct. 14.
 Holder, Portable light. E. Herzog. 1,778,597; Oct. 14.
 Holder, Portable soap. M. J. Rooney. 1,757,590; May 6.
 Holder, Price-tag. J. P. Siebe. 1,761,995; June 3.
 Holder, Price-tag or sign. L. Fontannaz. 1,759,781; May 20.
 Holder, Price-ticket. H. and L. Hopp. 1,768,715; July 1.
 Holder, Protective. P. Müller. 1,750,119; Mar. 11.
 Holder, Razor-blade. A. Hultgren. 1,778,945; Oct. 21.
 Holder, Razor-blade. C. G. Lockwood. 1,747,016; Feb. 11.
 Holder, Razor-blade and nail-file. O. P. Greenstreet. 1,745,535; Feb. 4.
 Holder, Razor-blade-stropping. O. L. Johnson. 1,743,607; Jan. 14.
 Holder, Receptacle. T. F. Cavanagh. 1,746,819; Feb. 11.
 Holder, Road-map. H. A. Goyke and R. C. La Due. 1,766,896; June 24.
 Holder, Roll-paper. H. E. Sifferman. 1,772,917; Aug. 12.
 Holder, Rubber-dam. W. C. Middaugh. 1,774,285; Aug. 26.
 Holder, Sadiron. R. A. Winters. 1,759,214; May 20.
 Holder, Safety. A. M. Bolland. 1,763,128; June 10.
 Holder, Safety milk-bottle. R. A. Spawton. 1,758,863; May 13.
 Holder, Safety-pin. A. Hagel. 1,747,628; Feb. 18.
 Holder, Safety-pin. P. Kelley. 1,767,137; June 24.
 Holder, Safety-razor-blade. J. W. Ashworth. 1,780,549; Nov. 4.
 Holder, Sanitary block. C. E. Pickering. 1,761,154; June 3.
 Holder, Sanitary toothbrush. P. Marsh. 1,771,645; July 29.
 Holder, Sanitary toothbrush. E. A. Russell. Des. 81,811; Aug. 12.
 Holder, Sanitary toothbrush. E. A. Russell. 1,742,936; Jan. 7.
 Holder, Sash. S. Barnes. 1,781,912; Nov. 18.
 Holder, Sash. H. A. Busby. 1,770,249; July 8.
 Holder, Saw. C. W. Brackett. 1,778,996; Oct. 21.
 Holder, Saw. C. E. Brown. 1,772,701; Aug. 12.
 Holder, Scratch sheet or pad. I. Heidenreich. 1,766,252; June 24.
 Holder, Screed. S. C. Awbrey. 1,751,785; Mar. 25.
 Holder, Screen. E. Borregard. 1,742,339; Jan. 7.
 Holder, Screw. F. Dohnal. 1,782,565; Nov. 25.
 Holder, Self-locking shoe-buckle. F. G. Hoffmann. 1,747,007; Feb. 11.
 Holder, Sewing-machine-attachment. A. J. Carmichael and A. M. Wunderlich. 1,765,481; June 24.
 Holder, Shade. C. J. Austin. 1,782,159; Nov. 18.
 Holder, Shade. J. B. Bander. 1,752,057; Mar. 25.
 Holder, Shade. L. C. Doane. 1,751,311; Mar. 18.
 Holder, Shade. L. C. Doane. 1,764,394; June 17.
 Holder, Shade. H. Le R. Jenkins. 1,759,985; May 27.
 Holder, Shade. I. Levy. 1,779,741; Oct. 28.
 Holder, Shade. J. Santarcangelo. 1,749,446; Mar. 4.
 Holder, Shade. J. D. Zahm. 1,769,481; July 1.
 Holder, Sheath crayon. R. Barbas. 1,776,098; Sept. 16.
 Holder, Shirt and trousers. S. B. Weinstein. 1,752,217; Mar. 25.
 Holder, Sign. H. J. Ginsberg. 1,764,558; June 17.
 Holder, Silverware. T. A. Keller, jr. 1,747,010; Feb. 11.
 Holder, Sleeper. W. M. Goldsmith. 1,777,359; Oct. 7.
 Holder, Sleeve. J. C. Bollinger. 1,782,057; Nov. 18.
 Holder, Snap-fit bottle. C. M. Sorensen. 1,746,746; Feb. 11.
 Holder, Soap. H. E. Moineau. 1,784,155; Dec. 9.
 Holder, Soap-stick. P. A. Reutter. 1,742,728; Jan. 7.
 Holder, Socket shell and shade. H. Hubbell, jr. 1,771,634; July 29.
 Holder, Spool. E. Catlett. 1,775,669; Sept. 16.
 Holder, Spool. S. Kaiser. 1,751,003; Mar. 18.
 Holder, Standard barber-razor. A. Soda. 1,787,093; Dec. 30.
 Holder, Steel-wool. S. Schulhoff. 1,785,653; Dec. 16.
 Holder, Stocking and sock. O. Adam. 1,752,219; Mar. 25.
 Holder, Table-receptacle. S. Lapin. 80,626; Mar. 4.
 Holder, Tag. L. E. Larche. 1,776,734; Sept. 23.
 Holder, Tea-ball. F. Veder. 1,780,957; Nov. 11.
 Holder, Telephone-book. M. Roderick. 1,770,661; July 15.
 Holder, Thread. D. H. Bushey. 1,777,348; Oct. 7.
 Holder, Ticket. M. MacDonald. 1,751,744; Mar. 25.
 Holder, Ticket. M. MacDonald. 1,751,825; Mar. 25.
 Holder, Ticket. M. MacDonald. 1,775,287; Sept. 9.
 Holder, Ticket. A. E. Sorensen. 1,763,484; June 10.
 Holder, Toilet-paper-roll. R. W. Stewart. 1,778,282; Oct. 14.
 Holder, Toilet-roll. L. H. Morin. 1,767,007; June 24.
 Holder, Tool. I. Drowns. 1,751,078; Mar. 18.
 Holder, Tool. W. J. Hogg and F. Neumann. 1,783,541; Dec. 2.
 Holder, Tool. J. C. Hurowitz. 1,768,066; June 24.
 Holder, Tool. G. C. Pearson. 1,755,269; Apr. 22.
 Holder, Tool. J. H. Phillips. 1,786,029; Dec. 23.
 Holder, Tool. P. E. F. Rauzières. 1,776,335; Sept. 23.
 Holder, Tool. J. F. Russell. 1,779,189; Oct. 21.
 Holder, Tool. J. W. Smith. 1,768,798; July 1.
 Holder, Tool and article. J. A. Leland. 1,758,261; May 13.
 Holder, Toothbrush. I. A. Burnett. 1,770,478; July 15.
 Holder, Toothbrush. G. F. Voight. Des. 81,859; Aug. 19.
 Holder, Tooth brush and paste. L. Szakács. 1,756,142; Apr. 29.
 Holder, Toothpick. C. M. Bartholomew. 1,785,107; Dec. 16.
 Holder, Tray. R. C. Finch. Des. 82,082; Sept. 23.
 Holder, Tree-branch. C. A. Fassen. 1,780,181; Nov. 4.
 Holder, Trimming. W. Marshall. 1,786,073; Dec. 23.
 Holder, Trip-rope. A. J. Passmel. 1,786,314; Dec. 23.
 Holder, Trunk. H. L. Scholl. 1,780,044; Oct. 28.
 Holder, Turret-tool. W. A. Hyatt. 1,748,348; Feb. 25.
 Holder, Twine. H. P. Bulkley. 1,781,364; Nov. 11.
 Holder, Twine. E. A. Carlson. 1,764,826; June 17.
 Holder, Type. A. O. Elmer. 1,763,958; June 17.
 Holder, Violin. M. F. Connell. 1,742,305; Jan. 7.
 Holder, Wallet or bill. H. Barnes. 1,761,976; June 3.
 Holder, Wall-pot. I. G. Scott and M. C. Fox. Des. 81,262; May 27.
 Holder, Wall pot. I. G. Scott and M. C. Fox. Des. 82,629; Nov. 25.
 Holder, Watch. H. Schlacht. Des. 81,731; July 29.
 Holder, Window. C. J. Christopherson. 1,781,870; Nov. 18.
 Holder, Window-sash. E. F. Chaffee. 1,757,513; May 6.
 Holder, Window-shade. A. F. Lamoureux and P. Sellas. 1,782,357; Nov. 18.
 Holder with feeding arrangement for the positive electrode of a searchlight. F. Meyer. 1,755,551; Apr. 22.
 Holder with pad, Steel-wool. R. F. Boehler, jr. 1,783,775; Dec. 2.
 Holder, Work. O. J. Groehm and L. S. Lamb. 1,769,571; July 1.
 Holder, Work. H. E. Kempton, K. F. Gallimore, and R. M. Woytych. 1,756,124; Apr. 29.
 Holder, Work. R. M. Woytych. 1,783,596; Dec. 2.
 Holder, Wreath. R. Burns. Des. 81,049; Apr. 29.
 Holder, Wrench-display. F. W. Miller. 1,765,496; June 24.
 Holding and dispensing device, Note. H. Levy. 1,781,023; Nov. 11.
 Holding and supporting device for printing or print-receiving elements and the like. W. C. Heubner. 1,780,677; Nov. 4.
 Holding and transferring mechanism, Work. F. L. Borchart. 1,763,684; June 17.
 Holding apparatus, Bag-. W. Telander. 1,758,868; May 13.

- Holding device. F. P. Hennessey. 1,773,676; Aug. 19.
Holding device. V. Peterson. 1,776,702; Sept. 23.
Holding device. H. O. Wickes. 1,758,873; May 13.
Holding device, Article-. E. J. McKeon. 1,761,638; June 17.
Holding device for fishing poles or rods. G. E. Gift. 1,760,592; May 27.
Holding device for flash lights, Safety. H. R. Dryden. 1,783,874; Dec. 2.
Holding device, Page-. E. I. Jeffries. 1,780,079; Oct. 28.
Holding device, Pen-. G. Buck. Des. 80,775; Mar. 25.
Holding device, Safety. S. J. Jones. 1,760,066; May 27.
Holding device, Tooth-. A. S. Wells. 1,766,235; June 24.
Holding device, Velvet-. I. Pollack. 1,764,691; June 17.
Holding device, Work-. A. Brown. 1,764,242; June 17.
Holding means, Stylus-. C. S. Wickes. 1,767,334; June 24.
Holding milk, System for. B. L. Hartz. 1,749,535; Mar. 4.
Holding printed matter, Device for. A. A. Ring. 1,752,614; Apr. 1.
Holders, Forming turning-tool. E. F. G. Gibbs. 1,771,709; July 29.
Holders of book matches, Construction of the. E. Armelin. 1,773,610; Aug. 19.
Hole-cleaning apparatus. O. E. Clark. 1,760,582; May 27.
Hole cutter. P. A. Carson and W. Broad. 1,745,779; Feb. 4.
Holes in the closed ends of drawn-metal cylinders and the like, Apparatus for punching. G. Rabold, sr. 1,746,498; Feb. 11.
Hollow articles of cementitious material, Apparatus for forming. D. E. Andrews. 1,786,385; Dec. 23.
Hollow articles, Forming. E. K. Holmes. 1,749,428; Mar. 4.
Hollow-back shovel. M. Hokanson. 1,776,434; Sept. 23.
Hollow bodies, Apparatus for the manufacture of. A. Portevin. 1,767,394; June 24.
Hollow bodies consisting of vulcanized rubber, Manufacture of. W. K. Genth. 1,765,666; June 24.
Hollow bodies, Manufacture of wedge-shaped. L. Staiger. 1,784,501; Dec. 9.
Hollow bodies, Method and an apparatus for manufacturing. G. Walter. 1,786,586; Dec. 30.
Hollow bodies, Shaping. H. E. Fox. 1,781,723; Nov. 18.
Hollow objects of synthetic resin materials, Making. E. E. Novotny. 1,776,366; Sept. 23.
Holster. R. P. Mees. 1,747,454; Feb. 18.
Holster, Gun. G. M. Wane. 1,768,177; June 24.
Holster, Revolver. W. S. Swift. 1,750,139; Mar. 11.
Holster, Shoulder pistol. E. E. Clark. 1,781,162; Nov. 11.
Homogenizing machine. G. C. Hurrell. 1,756,198; Apr. 29.
Homogenizing mill. W. Eppenbach. 1,755,576; Apr. 22.
Honey, Apparatus for liquefying solidified. A. G. Kuykendall. 1,761,479; June 3.
Honey-section cleaner. J. O'Brien. 1,776,739; Sept. 23.
Honey-uncapping apparatus and method. W. T. Gran. 1,779,469; Oct. 28.
Honing device, Safety-razor-blade-. E. L. Crespo. 1,744,752; Jan. 28.
Honing device, Working-barrel. R. Douglas. 1,779,161; Oct. 21.
Honing machine. A. M. Johnson. 1,783,019; Nov. 25.
Hood. H. F. Shaw. 1,753,629; Apr. 8.
Hood and radiator, Combined automobile. J. A. Altman. Des. 82,125; Sept. 30.
Hood catch. W. R. Wiley. 1,781,261; Nov. 11.
Hood clamp. N. W. Cummins. 1,784,224; Dec. 9.
Hood clamp, Automobile. W. Turnwald. 1,758,988; May 20.
Hood for automobiles and other vehicles. F. J. Leather. 1,786,662; Dec. 30.
Hood, Hair-drying. E. O. Fredericks. Des. 81,922; Sept. 2.
Hood ledge plate and multiple-compartment hood for automobiles. K. Fellecke. 1,754,086; Apr. 8.
Hood lock, Automobile. C. W. and W. E. Alexander. 1,774,625; Sept. 2.
Hood lock, Automobile. N. Kjeldsen. 1,775,466; Sept. 9.
Hook: See—
Adjustable hook. Mud hook.
Bale-hoist hook. Muskrat hook.
Beehive-frame hook. Plate-conveying hook.
Belt hook. Plate hook.
Boot hook. Printer's register hook.
Box hook. Rigger hook.
Chain hook. Ring hook.
Choker hook. Sawyer's hook.
Combination hook. Shuttle hook.
Compound hook. Snap hook.
Disconnecting hook. Spoon hook.
Drapery hook. Suspending hook.
End hook. Suspension hook.
Grab hook. Swivel butt hook.
Grappling hook. Swivel hook.
Hame hook. Terminal hook.
Hoisting hook. Tire-chain end hook.
Landing hook. Tire-chain hook.
Link hook. Trip hook.
Meat hook. Tubing hook.
Hook. A. E. Conrath. 1,758,934; May 20.
Hook. H. C. Frazier. 1,744,538; Jan. 21.
Hook. H. J. Roman and W. C. Dietrich. 1,767,897; June 24.
Hook. C. L. Waid. 1,754,071; Apr. 8.
Hook and fastener. M. B. Sprigg. 1,778,611; Oct. 14.
Hook and swivel, Punching-bag. R. R. Hodgkins. 1,762,439; June 10.
Hook and weed guard, Combined. J. E. Pfueger. 1,750,243; Mar. 11.
Hook-fastener tape and applying same to garments. Lee Roseman. 1,748,397; Feb. 25.
Hook for basket covers, Attaching. G. A. Acer. 1,742,298; Jan. 7.
Hook for logging, Choker. G. F. Hickok. 1,775,200; Sept. 9.
Hook for logging industry, Choker. D. H. Young. 1,764,135; June 17.
Hook for overhead tracks, Safety. G. J. Mead. 1,744,482; Jan. 21.
Hook for scrap barrels or other article. J. R. Coe. 1,767,507; June 24.
Hook-off for wells. H. H. Markey. 1,777,927; Oct. 7.
Hook-setting machine. M. N. Bray. 1,759,836; May 27.
Hook tape. G. R. Upham. 1,771,154; July 22.
Hoop: See—
Metal hoop. Train order and signal hoop.
Hoops and/or liners to barrels, Apparatus for applying. A. B. Houtz. 1,758,837; May 13.
Hoops, Making. J. H. Bowman. 1,771,159; July 22.
Hopper. W. F. Grupe. 1,774,478; Aug. 26.
Hopper. J. B. Meccia and W. Reynolds. 1,744,407; Jan. 21.
Hopper. G. W. Rynders. 1,745,716; Feb. 4.
Hopper, Automatic measuring. H. H. Barber. 1,753,546; Apr. 8.
Hopper, drier, and roaster. J. P. Bunce. 1,757,616; May 6.
Hopper feeder for textile material. H. Wilkinson. 1,778,741; Oct. 21.
Hopper feeding device. E. H. Humberstone and H. R. Welch. 1,785,585; Dec. 16.
Hopper for cigarette-packaging machines. W. B. Bronander and G. E. Hagquist. 1,765,820; June 24.
Hopper for coin-counting machines, Feed. E. P. Donnellan. 1,776,251; Sept. 23.
Hopper mechanism. R. L. Wilcox. 1,784,124; Dec. 9.
Hoppers, Agitating means for. C. Tauriainen. 1,755,674; Apr. 22.
Hoppers, Agitator for coal. B. C. Lewis. 1,783,092; Nov. 25.
Horn. M. F. Ashley. 1,766,580; June 24.
Horn. R. D. Buell. 1,767,740; June 24.
Horn. O. Dotson. 1,763,038; June 10.
Horn. E. J. Gulick. 1,762,577; June 10.
Horn. E. B. Mallory. 1,771,052; July 22.
Horn. S. M. Wilder. 1,763,336; June 10.
Horn, Acoustic. H. C. Harrison. 1,747,830; Feb. 18.
Horn, Acoustical. W. J. Polydoroff. 1,767,812; June 24.
Horn, Amplifier. J. B. Hawley. 1,785,193; Dec. 16.
Horn button and control lever, Combined. J. J. Punke. Des. 81,146; May 13.
Horn, Closed end resonating. M. R. Hutchison. 1,784,596; Dec. 9.
Horn elbow, Sheet-metal. F. C. Jones. 1,751,002; Mar. 18.
Horn, Electric. F. F. Dorsey. 1,750,348; Mar. 11.
Horn, Electromagnetic. F. F. Dorsey. 1,759,443; May 20.
Horn for shoe-sewing machines. B. T. Leveque. 1,786,624; Dec. 30.
Horn for sound reproducers, Duplex. G. G. Rebfield. 1,760,284; May 27.
Horn, Heterodyning. B. Ames. 1,778,206; Oct. 14.
Horn, Loud-speaker. A. I. Abrahams. 1,781,489; Nov. 11.
Horn, Loud-speaker. A. F. Van Dyck and F. H. Guber. 1,763,381; June 10.
Horn, Outside solder. N. Troyer. 1,768,015; June 24.
Horn, Pneumatic. J. M. Aufiero. 1,760,295; May 27.
Horn, Pneumatic. C. C. Farmer. 1,776,252; Sept. 23.
Horn projector. F. W. Billig. 1,777,273; Sept. 30.
Horn, Solder. N. J. Schaal. 1,767,900; June 24.
Horn, Sound-amplifying. C. C. Farmer. 1,742,380; Jan. 7.
Horn, Sound-amplifying. H. C. Mueller. 1,755,931; Apr. 22.
Horn, Sound-reproducing. H. Harkins. 1,757,307; May 6.
Horn speaker having plurality of chambers, Truncated. M. R. Hutchison. 1,767,679; June 24.
Horn, Vacuum-operated. J. C. McCune and S. Johnson, Jr. 1,786,214; Dec. 23.
Horn weight for cattle. F. H. Petersen. 1,771,900; July 29.
Hornlike material, Manufacture of. J. Schlinck and G. Münchmeyer. 1,753,626; Apr. 8.
Horns for automobiles and the like, Hand contact device for electric. C. R. Peuser. 1,773,639; Aug. 19.
Horological instrument. F. W. Jarvis. 1,779,707; Oct. 28.
Horse. C. M. Dearborn. 1,742,637; Jan. 7.
Horse collar. W. J. Bott. 1,776,849; Sept. 30.
Horseshoe. E. H. Langlois. 1,763,433; June 10.
Horseshoe. J. N. Troxell. 1,767,328; June 24.
Horseshoe. R. R. Tweed. 1,747,850; Feb. 18.
Horseshoe and fastening means therefor. W. C. Tripp. 1,743,504; Jan. 14.
Horseshoe calk. W. H. Krug and C. G. Akerberg. 1,777,727; Oct. 7.

- Horseshoe, Nailless. A. Smithson. 1,761,241; June 3.
Hose and air-pressure gauge, Combined compressed-air. C. A. Belz. 1,785,110; Dec. 16.
Hose and making the same, Steam. E. S. Davis. 1,746,821; Feb. 11.
Hose and pipe clamp. J. A. Cary. 1,746,102; Feb. 4.
Hose and pipe coupling. J. A. Costello. 1,770,570; July 15.
Hose cable. A. F. W. Thormann. 1,778,818; Oct. 21.
Hose clamp. M. C. Bersted. 1,769,895; July 1.
Hose clamp. L. K. Cheswright. 1,776,850; Sept. 30.
Hose clamp. E. S. Cornell, jr. 1,776,783; Sept. 30.
Hose clamp. D. M. Dunwoodie. 1,779,806; Oct. 28.
Hose clamp. C. C. Farmer. 1,746,033; Feb. 4.
Hose clamp. C. C. Hansen. 1,785,550; Dec. 16.
Hose clamp. C. A. Parker. 1,782,476; Nov. 25.
Hose clamp, Garden. A. P. Heslop. 1,786,612; Dec. 30.
Hose connector for air pumps and the like. F. E. Hall and C. E. Weber. 1,774,918; Sept. 2.
Hose connector head, Fire. C. J. Diez. 1,750,927; Mar. 18.
Hose connection. C. L. Freese. 1,743,537; Jan. 14.
Hose connection. E. E. Greve. 1,745,295; Jan. 28.
Hose connection for air gauges. C. F. Shelton. 1,760,323; May 27.
Hose, Connecting device for fluid-pressure. J. C. Crowley. 1,784,821; Dec. 16.
Hose coupling. C. C. Farmer. 1,765,576; June 24.
Hose coupling. A. T. Hopkins. 1,786,489; Dec. 30.
Hose coupling. H. H. Logan. 1,761,352; June 3.
Hose coupling. F. Ludwig. 1,785,638; Dec. 16.
Hose-coupling adapter. J. C. Schellin. 1,761,157; June 3.
Hose coupling, Air-. H. M. Keller. 1,777,754; Oct. 7.
Hose-coupling gauge. A. England. 1,765,575; June 24.
Hose-end indicator. A. C. Andreasen. 1,779,869; Oct. 28.
Hose, Fire. R. P. Howard. 1,747,584; Feb. 18.
Hose fitting. A. D. Blanchard. 1,771,949; July 29.
Hose fittings, Attachment of. B. Dick and A. Brunner. 1,759,224; May 20.
Hose, High-pressure. M. Loughhead. 1,774,983; Sept. 2.
Hose knuckle. W. J. MacLellan. 1,754,687; Apr. 15.
Hose, Manufacture of. V. Lefebure. 1,763,973; June 17.
Hose mender. S. R. Kelly. 1,785,314; Dec. 16.
Hose. Metal-covered rubber-fabric. H. W. Goodall. 1,779,592; Oct. 28.
Hose, Metallic. P. Mackenzie. 1,774,986; Sept. 2.
Hose or pipe clamp. A. Fay and J. L. Zehnder. 1,782,680; Nov. 25.
Hose, Process and apparatus for constructing nonexpandable. M. Loughhead. 1,774,984; Sept. 2.
Hose protector. Z. Lynk. 1,746,485; Feb. 11.
Hose rack. C. Nuhring. 1,750,964; Mar. 18.
Hose rack. R. C. Shand. 1,769,237; July 1.
Hose reel. R. Hall. 1,769,342; July 1.
Hose reel, Stationary. R. T. Freeth. 1,787,194; Dec. 30.
Hose, Safety gasoline. J. M. Oden. 1,756,698; Apr. 29.
Hose spanner and scaling hook, Fireman's. W. Osterby. 1,784,535; Dec. 9.
Hose winder, Automatic. A. B. Edwards. 1,746,995; Feb. 11.
Hosiery. J. M. Allen. 1,754,185; Apr. 8.
Hosiery. E. J. Berger. Des. 80,304; Jan. 14.
Hosiery. E. J. Berger. Des. 81,828; Aug. 19.
Hosiery. R. Friedrich. Des. 81,185; May 20.
Hosiery. G. E. Nelson. Des. 80,579; Feb. 25.
Hosiery. J. A. Struthers. Des. 81,307; June 3.
Hosiery. J. A. Struthers. Des. 81,896; Aug. 26.
Hosiery. J. A. Struthers. Des. 81,950; Sept. 2.
Hosiery and making the same. L. Dinkelspiel. 1,743,998; Jan. 14.
Hosiery form. W. J. De Witt. 1,780,744; Nov. 4.
Hosiery, Making fashioned. W. D. Butz. 1,777,910; Oct. 7.
Hosiery, Mechanism for forming clocked, floated thread. H. K. Gergman. 1,766,772; June 24.
Hosiery, Mechanism for producing reenforced. F. E. Jones. 1,779,239; Oct. 21.
Hosiery package. I. Kavanau. 1,780,558; Nov. 4.
Hosiery press. B. J. Yanchenko. 1,756,498; Apr. 29.
Hosiery turning and inspecting form. H. Hemmerich. 1,750,005; Mar. 11.
Hospital appliance. L. A. Chambers. 1,783,640; Dec. 2.
Hospital equipment. L. A. Chambers. 1,756,238; Apr. 29.
Hospital Table. A. V. Storm. 1,771,955; July 22.
Hot-air attachment. A. Metz. 1,780,092; Oct. 28.
Hot-air engine. J. Koenig. 1,760,415; May 27.
Hot-air furnace. H. K. Flowers. 1,752,168; Mar. 25.
Hot-air furnace. W. V. Lindsay. 1,743,362; Jan. 14.
Hot-air furnace. E. G. Miller. 1,765,439; June 24.
Hot-air furnace. H. Tielkemeyer. 1,750,824; Mar. 18.
Hot-air furnace. J. Winter. 1,743,177; Jan. 14.
Hot-air mat. K. Popp. 1,777,982; Oct. 7.
Hot-air-register construction. G. S. Auer. 1,785,993; Dec. 23.
Rothouses, Utilizing the waste space in. E. Baumgartner. 1,753,980; Apr. 8.
Hot-joint compound. J. C. Wasson. 1,770,187; July 8.
Hot plate. A. J. Kercher and W. W. Hicks. 1,757,315; May 6.
Hot-plate attachment for cooking utensils. T. H. Stough. 1,777,940; Oct. 7.
Hot punching and shearing machine. J. Kurkowski. 1,755,994; Apr. 22.
Hot treatment of parts of the body, Apparatus for the. D. Sarason. 1,775,442; Sept. 9.
Hot-water boiler. P. H. Olson. 1,770,217; July 8.
Hot-water heater. J. H. Kolts and E. A. Krah, jr. 1,744,124; Jan. 21.
Hot-water heater. H. J. Long. Des. 80,799; Mar. 25.
Hot-water heater and burner. R. W. McDaniel. 1,773,592; Aug. 19.
House: See—
 Electric switch house. Portable house.
 Farrowing house. Portable screen house.
 Hog house. Toy house.
House and pen, Hog. O. Miller. 1,761,834; Mar. 25.
House construction, System of. D. Beale. 1,761,289; June 3.
Household apparatus. L. F. Whitney. 1,761,553; June 3.
House number and auto number, Electric. W. E. Burke. 1,761,868; June 3.
House number, Illuminated. R. Hensel and E. Sausmikat. 1,742,807; Jan. 7.
Housing, Adjustable. E. J. Kearney. 1,783,653; Dec. 2.
Housing and the like, Elbow. A. E. Hohmeister. 1,776,386; Sept. 23.
Housing for a portable thermoswitch. G. K. Culp. Des. 82,316; Oct. 21.
Housing for drill heads, Oil. R. M. Galloway. 1,762,092; June 3.
Housing for floor-treating machine. W. S. Finnell. Des. 81,874; Aug. 26.
Housing for flush pipes. J. M. Bonner, jr. 1,773,722; Aug. 26.
Housing for flush-tank-discharge pipes. H. F. Weaver. 1,771,007; July 22.
Housing for high-voltage terminals. F. S. Smith. 1,744,929; Jan. 28.
Housing of air-cooling unit. H. D. Betz. Des. 80,763; Mar. 18.
Housing, Rubber-bumper. H. J. Pattison. 1,771,309; July 22.
Housing stay and support device. E. F. Smith and G. K. Wilson. 1,750,061; Mar. 11.
Housing. Valve-actuating mechanism. J. Fejes. 1,743,030; Jan. 7.
Housings, Apparatus for controlling breathing of oil-containing. A. O. Austin. 1,759,971; May 27.
Hub and spoke connection for wheel bodies. O. A. Parker. 1,742,723; Jan. 7.
Hub cap. R. E. Cochran. 1,755,427; Apr. 22.
Hub cap. J. H. Munson. Des. 82,104; Sept. 23.
Hub cap. F. B. di Neuberg. 1,761,468; June 3.
Hub cap. M. K. Smith. 1,776,641; Sept. 23.
Hub cap. C. L. Stokes. 1,766,313; June 24.
Hub cap. M. H. Toncray. Des. 80,710-11; Mar. 11.
Hub cap, Reflector-equipped. H. J. Graham. 1,745,163; Jan. 28.
Hub cap, Vehicle wheel. H. G. Dibelka. Des. 81,230; May 27.
Hub-cap wrench. R. L. Hughens. 1,754,717; Apr. 15.
Hub, Collapsible. A. G. Wise. 1,780,510; Nov. 4.
Hub for agricultural machines and the like, Wheel. H. W. Robbins. 1,751,291; Mar. 18.
Hub for propellers. T. A. Dicks. 1,769,775; July 1.
Hub for steering wheel. H. J. Earl, R. W. Pew, and J. J. Tjaarda. Des. 80,884; Apr. 8.
Hub, Knife-carrying. F. Vasconcellos. 1,744,597; Jan. 21.
Hub liner for railroad vehicles. J. G. Blunt. 1,748,698-9; Feb. 25.
Hub shells and like tubular metal articles, Making. H. W. Kranz and J. S. Fenzel. 1,760,560; May 27.
Hub, Shock-absorbing. L. Brequet. 1,777,347; Oct. 7.
Hub structure for pneumatic wheels. E. Jackson. 1,762,740; Apr. 1.
Hubs, Forming. W. H. Farr. 1,777,431; Oct. 7.
Hubs, Making. J. P. Tarbox. 1,777,455; Oct. 7.
Hubs, Making. C. P. Weldon. 1,754,922; Apr. 15.
Hull extractor. A. L. Smith. 1,766,312; June 24.
Hull for water craft. A. N. Campbell. 1,780,970; Nov. 11.
Hull of ships. E. G. E. Hogner. 1,779,041; Oct. 21.
Hull of water craft. H. Scott-Paine. 1,782,320; Nov. 18.
Huller: See—
 Grain huller. Oat huller.
Hulling apparatus. E. J. Vaudreuil. 1,772,971; Aug. 12.
Humidifier. S. Anenberg. 1,777,820; Oct. 7.
Humidifier. R. A. Crawford. 1,760,633; May 27.
Humidifier. E. P. Faber. 1,746,247; Feb. 11.
Humidifier. M. De Graaf. 1,782,197; Nov. 18.
Humidifier. W. B. Hodge. 1,743,668; Jan. 14.
Humidifier. J. S. Knowlson. 1,782,928; Nov. 25.
Humidifier. F. J. McLaughlin. 1,746,089; Feb. 4.
Humidifier. W. M. Trafton and J. Armstrong. 1,765,780; June 24.
Humidifier. K. F. Triggs and W. D. Redrup. 1,747,195; Feb. 18.
Humidifier and air washer, Combined. J. H. Osborn and J. F. Goodrich. 1,771,814; July 29.
Humidifier and deflector device. M. M. Bentz. 1,764,499; June 17.
Humidifier and heat deflector. F. M. Weir. 1,778,441; Oct. 14.
Humidifier and heater. C. E. Lewis. 1,781,515; Nov. 11.
Humidifier and projector, Combined. P. C. Seel. 1,762,934; June 10.
Humidifier for internal-combustion engines. A. B. Camps. 1,746,380; Feb. 11.
Humidifier for internal-combustion engines. E. S. Parry. 1,771,723; July 29.

- Humidifier for wall registers. C. A. Besch. 1,786,331; Dec. 23.
- Humidifiers, Auxiliary air inlet for. J. H. Simunek. 1,752,859; Apr. 1.
- Humidifying and sterilizing air, Apparatus for. E. C. Rosenow. 1,745,838; Feb. 4.
- Humidifying apparatus. J. W. Chason. 1,750,569; Mar. 11.
- Humidifying apparatus. G. D. Doherty. 1,760,976; June 3.
- Humidifying apparatus. F. W. Waterman, jr. 1,776,461; Sept. 23.
- Humidifying apparatus for proof boxes and the like. F. A. and W. Anetsberger. 1,742,842; Jan. 7.
- Humidifying device. C. J. Gustafson. 1,784,725; Dec. 9.
- Humidifying device. D. Handelan. Re17,794; Sept. 9.
- Humidifying device. D. Handelan. 1,742,390; Jan. 7.
- Humidifying device. D. W. McCrosky. 1,742,962; Jan. 7.
- Humidistat. R. B. Somers. 1,755,276; Apr. 22.
- Humidity control. C. E. Lewis. 1,772,611; Aug. 12.
- Humidity-control apparatus. H. A. Brittain. 1,757,931; May 6.
- Humidity recorder, Relative. L. Behr. 1,758,494; May 13.
- Humidor. M. S. Diamond. 1,748,934; Feb. 25.
- Humidor, Coffee or tobacco. J. J. Ratty. 1,762,030; June 3.
- Humidor for inked ribbons. L. A. Phillips. 1,785,975; Dec. 23.
- Humidor, Tobacco. J. S. Sherman. Des. 82,062; Sept. 16.
- Husking snapping assembly-machine. J. W. Dusek. 1,770,230; July 8.
- Hutch, Self-cleaning. C. Cosper. 1,764,151; June 17.
- Hydrant. E. D. Rattigan. 1,782,012; Nov. 18.
- Hydrant, Water. H. C. Ellenberger. 1,754,310; Apr. 15.
- Hydraulic actuating mechanism. H. M. M. Mattern, jr. 1,762,068; June 3.
- Hydraulic apparatus. L. F. Moody. 1,776,391; Sept. 23.
- Hydraulic apparatus. R. E. B. Sharp. 1,779,191; Oct. 21.
- Hydraulic apparatus. H. B. Taylor. 1,751,687; Mar. 25.
- Hydraulic brake. M. E. Crowell and W. E. White, jr. 1,754,223; Apr. 15.
- Hydraulic brake. J. D. Davis. 1,775,310; Sept. 9.
- Hydraulic brake. C. E. Jack. 1,756,904; Apr. 29.
- Hydraulic brake. M. Loughhead. 1,764,176; June 17.
- Hydraulic brake. S. W. Rushmore. 1,786,633; Dec. 30.
- Hydraulic brake, Multicylinder. M. Loughhead. 1,764,178; June 17.
- Hydraulic check. C. N. Mitchell. 1,779,137; Oct. 21.
- Hydraulic force cup. L. R. Watson. 1,768,178; June 24.
- Hydraulic jack. C. M. Banks. 1,758,640; May 13.
- Hydraulic jack. D. Flanagan. 1,767,124; June 24.
- Hydraulic jack. B. Goldman. 1,784,428; Dec. 9.
- Hydraulic jack. J. L. Malone. 1,745,024; Jan. 28.
- Hydraulic jack. J. P. McBride. 1,763,404; June 10.
- Hydraulic jack. H. C. Miller and E. H. Dainton. 1,759,517; May 20.
- Hydraulic jack. H. C. Miller and G. P. Sumner. 1,759,516; May 20.
- Hydraulic jack. T. C. Pomeroy. 1,744,673; Jan. 21.
- Hydraulic jack. J. P. Shevlin. 1,784,116; Dec. 9.
- Hydraulic jack. L. C. Stukenborg. 1,764,859; June 17.
- Hydraulic jack. L. C. Stukenborg. 1,784,553; Dec. 9.
- Hydraulic jack. F. C. Torrance. 1,745,067; Jan. 28.
- Hydraulic machine. E. Gross. 1,762,121; June 3.
- Hydraulic machine. F. Lawaczek. 1,785,354; Dec. 16.
- Hydraulic machine, especially centrifugal pump, Rotary. F. Lawaczek. 1,745,854; Feb. 4.
- Hydraulic mechanism. G. E. A. Hallett. 1,768,476; June 24.
- Hydraulic press. J. De Franciscl. 1,753,742; Apr. 8.
- Hydraulic press. W. Ernst. 1,763,142; June 10.
- Hydraulic press. R. E. Manley. 1,755,403; Apr. 22.
- Hydraulic press and the like. T. F. Stacy. 1,765,627; June 24.
- Hydraulic press, High-pressure. J. C. Solberg, F. C. Langenberg, and E. M. Sawtelle. 1,782,103; Nov. 18.
- Hydraulic process and apparatus. F. Nagler. 1,748,892; Feb. 25.
- Hydrindole-indophenols and making the same. F. Ballauf. 1,780,058; Oct. 28.
- Hydroaeroplanes and/or water aircraft, Fin system for. G. Pegna. 1,776,700; Sept. 23.
- Hydroairplane. J. R. Browne. 1,754,220; Apr. 15.
- Hydrocarbon and preparing the same. Cyclic. O. Nicodemus and W. Berndt. 1,776,924-5; Sept. 30.
- Hydrocarbon burner. J. L. Breese, jr. 1,752,727; Apr. 1.
- Hydrocarbon burner. A. H. Kelsall. 1,754,828; Apr. 15.
- Hydrocarbon burner. H. L. Maxfield and W. E. Mikkelsen. 1,751,555; Mar. 25.
- Hydrocarbon burner. B. A. Schaumann. 1,746,969; Feb. 11.
- Hydrocarbon burner. J. B. Shadyac. 1,745,032; Jan. 28.
- Hydrocarbon compounds, Forming. W. H. Smith. 1,775,700; Sept. 16.
- Hydrocarbon compounds, Purifying. T. T. Gray. 1,759,812; May 20.
- Hydrocarbon distillates, Deodorizing petroleum. L. Edelenau. 1,776,752; Sept. 23.
- Hydrocarbon mixtures for combustion, Apparatus for preparing. R. G. Ford. 1,752,165-7; Mar. 25.
- Hydrocarbon motor. L. M. Woolson. 1,752,359; Apr. 1.
- Hydrocarbon motor. L. M. Woolson. 1,767,422; June 24.
- Hydrocarbon motor. L. M. Woolson. 1,768,185; June 24.
- Hydrocarbon oils, Converting. C. P. Dubbs and J. C. Morrell. 1,744,109; Jan. 21.
- Hydrocarbon products, Preparing. M. B. Hopkins. 1,767,363; June 24.
- Hydrocarbon, Transforming and distilling. A. A. F. M. Seigle. 1,779,828; Oct. 28.
- Hydrocarbon vapors and apparatus therefor, Condensation of. N. E. Loomis. 1,767,299; June 24.
- Hydrocarbon vapors, Apparatus for condensing. J. E. Bell. 1,757,108; May 6.
- Hydrocarbons and alcohols, Stable mixture of petroleum. M. D. Mann, jr. 1,774,180; Aug. 26.
- Hydrocarbons, Apparatus for converting. G. Egloff. 1,667,838; June 24.
- Hydrocarbons, Apparatus for cracking. W. Miller. 1,785,042; Dec. 16.
- Hydrocarbons, Apparatus for distilling liquids. N. E. Merrill. 1,778,269; Oct. 14.
- Hydrocarbons, Apparatus for producing lower-boiling-point. C. P. Dubbs. 1,783,185; Dec. 2.
- Hydrocarbons, Apparatus for treating. G. Egloff and H. P. Benner. 1,751,729; Mar. 25.
- Hydrocarbons, Chlorinating saturated. R. H. McKee and C. M. Salls. 1,665,601; June 24.
- Hydrocarbons, Chlorinating unsaturated. C. J. Strossacker. 1,754,656; Apr. 15.
- Hydrocarbons, Continuous, low-temperature process and apparatus for treating. W. L. Gomory. 1,767,283; June 24.
- Hydrocarbons, Converting of. L. Kirschbraun. 1,778,157; Oct. 14.
- Hydrocarbons, Cracking. E. W. Beardsley and M. W. Colony. 1,784,126; Dec. 9.
- Hydrocarbons, Cracking. J. E. Bell and E. W. Isom. 1,782,056; Nov. 18.
- Hydrocarbons, Cracking. G. Egloff and J. C. Morrell. 1,748,065; Feb. 25.
- Hydrocarbons, Cracking. G. C. Hargrove and W. B. Montgomery. 1,784,065; Dec. 9.
- Hydrocarbons, Cracking. E. C. Herthel. 1,755,600-1; Apr. 22.
- Hydrocarbons, Cracking. E. C. Herthel. 1,761,340; June 3.
- Hydrocarbons, Cracking. E. C. Herthel and H. L. Pelzer. 1,777,307; Oct. 7.
- Hydrocarbons, Cracking. E. W. Isom. 1,753,432; Apr. 8.
- Hydrocarbons, Cracking. E. W. Isom and E. C. Herthel. 1,774,600-2; Sept. 2.
- Hydrocarbons, Cracking. L. Link. 1,756,563; Apr. 29.
- Hydrocarbons, Cracking. H. K. Rogers. 1,781,884; Nov. 18.
- Hydrocarbons, Decolorization of. I. C. Carpenter and A. R. Moorman. 1,759,343; May 20.
- Hydrocarbons, Distillation of. H. H. Hewetson. 1,753,149; Apr. 1.
- Hydrocarbons from heavy hydrocarbon oils, Production of gas and aromatic. A. S. Ramage. 1,752,692; Apr. 1.
- Hydrocarbons including hydrocarbon derivatives, Treating. J. H. James. 1,759,620; May 20.
- Hydrocarbons into liquid hydrocarbons, Converting gaseous aliphatic ethylene. E. Ricard. 1,745,028; Jan. 28.
- Hydrocarbons, Manufacturing useful products from. H. R. Rowland. 1,779,402; Oct. 21.
- Hydrocarbons, Method and apparatus for treating. R. Fleming. 1,764,296; June 17.
- Hydrocarbons, Method and apparatus for treating. F. E. Wellman. 1,772,331; Aug. 5.
- Hydrocarbons, Process and apparatus for converting. J. C. Morrell and H. P. Benner. 1,783,257; Dec. 2.
- Hydrocarbons, Process and apparatus for treating. T. T. Gray. 1,759,813; May 20.
- Hydrocarbons, Process and apparatus for treating. E. A. Prudhomme. 1,780,536; Nov. 4.
- Hydrocarbons, Producing lower-boiling-point. C. P. Dubbs. 1,756,019; Apr. 29.
- Hydrocarbons, Production of propenyl derivatives of aromatic. J. Ehrlich. 1,787,036; Dec. 30.
- Hydrocarbons, Purification of liquid. F. B. Thole and S. T. Card. 1,776,340; Sept. 23.
- Hydrocarbons, Purifying. J. C. Black. 1,749,240; Mar. 4.
- Hydrocarbons, Purifying. J. C. Black and J. R. McConnell. 1,759,730; May 20.
- Hydrocarbons, Purifying. W. H. Low. 1,777,619; Oct. 7.
- Hydrocarbons, Refining. R. Cross. 1,760,585; May 27.
- Hydrocarbons, Refining. T. T. Gray. 1,768,683; July 1.
- Hydrocarbons, Refining. E. C. Herthel. 1,781,388; Nov. 11.
- Hydrocarbons, Refining. E. W. Isom. 1,786,493; Dec. 30.
- Hydrocarbons, Refining. J. Johnston, jr. 1,766,339; June 24.
- Hydrocarbons, Refining liquid. J. Johnston, jr. 1,766,338; June 24.
- Hydrocarbons, Refining of. T. T. Gray. 1,759,814; May 20.
- Hydrocarbons, Refining of low-boiling. J. Metzger, A. Kreutzer, and T. Hellthaler. 1,776,039; Sept. 16.
- Hydrocarbons, Separating. W. K. Lewis. 1,746,197; Feb. 4.
- Hydrocarbons such as acetylene or the like, Process of and system for splitting. J. Machtolf. 1,782,540; Nov. 25.
- Hydrocarbons, Sweetening petroleum. T. W. Culmer. 1,772,985; Aug. 12.
- Hydrocarbons to produce lighter hydrocarbons and coke, Cracking heavy. H. L. Pelzer and E. C. Herthel. 1,757,843; May 6.

- Hydrocarbons, Treating. R. Cross. 1,782,808; Nov. 25.
Hydrocarbons, Treating. J. Delattre-Seguy. 1,782,811; Nov. 25.
Hydrocarbons, Treating. C. J. Frankforter. 1,780,873; Nov. 4.
Hydrocarbons, Treating. J. C. Morrell. 1,770,181; July 8.
Hydrocarbons, Treating. D. L. Thomas. 1,781,826; Nov. 18.
Hydrocarbons, Treatment of. S. C. Carney. Re17,898; Dec. 9.
Hydrocarbons, Treatment of. S. C. Carney. 1,768,827; July 1.
Hydrocarbons, Treatment of. E. B. Phillips and J. G. Stafford. 1,774,611; Sept. 2.
Hydrocarbons with electric arcs, Treatment of. P. Gmelin and O. Eisenhut. 1,746,934; Feb. 11.
Hydrocarbons with sulphur dioxide, Continuous treatment of. G. Cattaneo and P. Jodeck. 1,766,281; June 24.
Hydrocycle. G. Hantjopoulos. 1,744,075; Jan. 21.
Hydro extractor. F. Schaum. 1,766,310; June 24.
Hydrogen, Apparatus for the production of. F. E. Lefebvre, F. E. 1,752,187; Mar. 25.
Hydrogen generator. C. Miedbrodt. 1,777,444; Oct. 7.
Hydrogen peroxide, Making. J. B. Pierce, jr. 1,781,859; Nov. 18.
Hydrogen, Producing. J. S. Beekley. 1,756,934; May 6.
Hydrogen, Production of. F. T. Snyder. 1,781,935; Nov. 18.
Hydrogen-nitrogen mixture in manufacture of synthetic ammonia, Producing. L. C. Jones. 1,765,535; June 14.
Hydrogen sulphide in gas mixture containing sulphur dioxide, carbonyl sulphide, etc., Determining. A. H. Henninger. 1,770,694; July 15.
Hydrometer. C. E. Linebarger. 1,768,915; July 1.
Hydrooil burner. W. Teale and H. F. McLauthlin. 1,780,571; Nov. 4.
Hydroplane. G. B. Hooton. 1,762,626; June 10.
Hydropump. L. W. Springsteen. 1,775,375; Sept. 9.
Hydro-sporting machine. W. C. Wallace. 1,773,210; Aug. 19.
Hydroxides of alkali metals, Producing. E. Heinze. 1,784,066; Dec. 9.
Hydroxyaldehydes, Manufacture of aromatic. G. Reddell, H. Lange, and H. Pfannenstiel. 1,783,584; Dec. 2.
Hydroxy anthraquinones, Production of. J. Thomas and H. W. Hereward. 1,744,815; Jan. 28.
Hydroxy compounds of pyridine, Making. C. R  th. 1,778,784; Oct. 21.
Hydroxylated sulphonation product, New. B. Kelser. 1,745,221; Jan. 28.
Hydroxythinnaphthenes, Preparing. E. Hoffa and F. M  ller. 1,785,813; Dec. 23.
Hygrometer. A. Allen. 1,765,816; June 24.
Hygrometer, Electric. W. Lubach. 1,749,826; Mar. 11.
Hypochlorite composition. R. B. MacMullin and M. C. Taylor. 1,787,048; Dec. 30.
Hypochlorite composition, Producing new. R. B. MacMullin and M. C. Taylor. 1,787,080; Dec. 30.
Hypochlorite compositions, Production of new. R. B. MacMullin. 1,754,475; Apr. 15.
Hypochlorite compositions, Production of new. R. B. MacMullin and M. C. Taylor. 1,754,474; Apr. 15.
Hypochlorite in colloidal form and making the same. P. R. Hershman. 1,765,013; June 17.
Hypochlorites, Making easily-soluble stable. P. R. Hershman. 1,784,286; Dec. 9.
I-beam clamp. W. G. Wehr. Re17,629; Mar. 25.
Ice, Apparatus for manufacturing. F. Hanus. 1,784,834; Dec. 16.
Ice, Apparatus for manufacturing. D. K. Warner. 1,760,972; June 3.
Ice, Apparatus for the use in the manufacture of. A. J. Bentley. 1,748,101; Feb. 25.
Ice bag. R. Shulman. 1,743,244; Jan. 14.
Ice block and mold for forming same. S. B. Reed. 1,753,940; Apr. 8.
Ice blocks by fluid pressure, Scoring. R. H. Roark. 1,780,441; Nov. 4.
Ice-box attachment. A. A. Yerga and M. Evanowff. 1,749,054; Mar. 4.
Ice box, Fiber-wall. M. T. Chamberlain. 1,770,065; July 8.
Ice bunker for refrigerator cars. A. F. O'Connor. 1,780,765; Nov. 4.
Ice carrier. J. H. Darneal. 1,751,031; Mar. 18.
Ice-carrying device. J. J. Parkerson. 1,766,258; June 24.
Ice cream, Apparatus for dispensing. W. R. Willauer. 1,773,070; Aug. 12.
Ice-cream carrier. V. J. Ault. 1,749,658; Mar. 4.
Ice-cream-cartoning apparatus. H. L. Cornell and M. H. McPartland. 1,748,111; Feb. 25.
Ice-cream cone. J. L. Balton. Des. 82,650; Dec. 2.
Ice-cream cone. V. Calcagni. Des. 82,018; Sept. 16.
Ice-cream cone. D. Canter. 1,752,729; Apr. 1.
Ice-cream cone. L. J. Schumaker. Des. 81,408; June 17.
Ice-cream cone. E. Shapiro. Des. 81,410; June 17.
Ice-cream-cone coater. O. Lange. 1,784,992; Dec. 16.
Ice-cream-cone machine. H. G. Tatosian. 1,765,464; June 24.
Ice-cream-cone-making machine. J. Denaro. 1,762,959; June 10.
Ice-cream-cone-making machine. J. A. Tallent. 1,750,497; Mar. 11.
Ice-cream confection. A. S. Ferriera. Des. 81,778; Aug. 12.
Ice-cream disher. H. D. Flegel. 1,765,973; June 24.
Ice-cream disher. T. Jameson. 1,752,560; Apr. 1.
Ice-cream disher. W. A. Phillips. 1,774,154; Aug. 26.
Ice-cream disher. G. D. Kuetz. 1,747,737; Feb. 18.
Ice-cream dispenser. J. E. Brown. 1,758,028; May 13.
Ice-cream-dispensing machine. W. J. Gladish. 1,774,708; Sept. 2.
Ice-cream freezer. C. E. Cole. 1,772,456; Aug. 12.
Ice-cream freezer. B. D. Gilson. 1,756,683; Apr. 29.
Ice-cream freezer. W. A. Hiles. 1,766,172; June 24.
Ice-cream freezer. C. Taylor. 1,752,582; Apr. 1.
Ice-cream freezer, Automatically-controlled. A. T. Simmons and B. H. Miles. 1,763,567; June 10.
Ice-cream-form device. F. H. Harm. 1,757,799; May 6.
Ice-cream-freezing system. C. Taylor. 1,760,217; May 27.
Ice-cream shipper, Rubber. S. O. Staake. 1,756,039; Apr. 29.
Ice creeper. A. Barnes. 1,767,427; June 24.
Ice creeper. J. E. Ostrander. 1,757,919; May 6.
Ice creeper. B. Wedig. 1,749,522; Mar. 4.
Ice-cutting machine. W. A. Blahut. 1,780,059; Oct. 28.
Ice-delivery device. R. H. Roark. 1,749,262; Mar. 4.
Ice-delivery device. R. H. Roark. 1,749,843; Mar. 11.
Ice, Device for making shaped pieces of. C. J. Gibson. 1,785,078; Dec. 16.
Ice-dispensing apparatus. E. D. Brodhead. 1,744,024; Jan. 14.
Ice-forming apparatus. N. B. Wolcott. 1,757,033; May 6.
Ice from windshields, Apparatus for eliminating. C. R. Otto. 1,780,502; Nov. 4.
Ice grid. E. P. S. Newman. 1,780,980; Nov. 11.
Ice-handling mechanism, Block-. R. Ray. 1,745,381; Feb. 4.
Ice in transit, Protector for. O. Strufe. 1,756,706; Apr. 29.
Ice machines, Compressor construction for. R. M. Hvid. 1,783,017; Nov. 25.
Ice-making system and method of obtaining dry air. J. A. Martocello. 1,783,807; Dec. 2.
Ice, Method or art of and apparatus for making. G. L. Bennett. 1,742,194; Jan. 7.
Ice pick. W. E. Domaratius. 1,768,035; June 24.
Ice plant. G. B. Bright. 1,755,203; Apr. 22.
Ice retainer for water pitchers. F. Pelletier. 1,759,588; May 20.
Ice-scoring machine. A. Happel. 1,772,144; Aug. 5.
Ice-scoring machine. G. Komp. sr. 1,742,994; Jan. 7.
Ice-shaving device. A. O. Goldstein. 1,782,296; Nov. 18.
Ice-shaving machine. A. O. Goldstein. 1,763,512; June 10.
Ice, Temporarily arresting the melting of. A. V. Pankey. 1,757,383; May 6.
Identification device. A. L. Eastman. 1,742,649; Jan. 7.
Identification device for umbrellas, walking sticks, and the like. C. Flint. 1,773,136; Aug. 19.
Identification plate. B. R. Wright. 1,754,588; Apr. 15.
Identifying attachment for motor vehicles. B. C. Loring. 1,765,843; June 24.
Igloo. J. H. Withington. Des. 81,860; Aug. 19.
Igniter. H. A. Douglas. 1,762,162; June 10.
Igniter. H. A. Douglas. 1,775,023; Sept. 2.
Igniter. C. F. Larsen. 1,760,418; May 27.
Igniter, Electrical projectile. H. S. R  hlemann. 1,776,796; Sept. 30.
Igniting element. A. W. Diack. 1,746,244; Feb. 11.
Ignition amplifier. High-tension. P. O. Stewart. 1,774,339; Aug. 26.
Ignition and generating means for gasoline lamps. H. W. Resnick. 1,750,861; Mar. 18.
Ignition and lighting switch. A. H. Weiss. 1,787,058; Dec. 30.
Ignition apparatus. S. Armitage. 1,761,512; June 3.
Ignition apparatus. W. A. Chryst. 1,759,436; May 20.
Ignition apparatus. H. L. Hartzell. 1,753,604; Apr. 8.
Ignition apparatus. H. E. Norviel. 1,759,461; May 20.
Ignition apparatus, Electric. W. H. Hutchins. 1,761,015; June 3.
Ignition booster. J. H. Mayforth. 1,773,920; Aug. 26.
Ignition coil and lock switch. H. E. Norviel. 1,759,462; May 20.
Ignition-cut-off control for engine idling, Automatic. R. E. Wing. 1,768,390; June 24.
Ignition device. J. L. Arthur. 1,761,513-14; June 3.
Ignition device. L. A. Headen and H. A. Petit. 1,780,076; Oct. 28.
Ignition device. A. Ruttiman. 1,758,853; May 13.
Ignition device, Electromagnetic. R. Righetto. 1,763,443; June 10.
Ignition device for internal-combustion engines, Automatic thermic. R. Touchelay. 1,768,382; June 24.
Ignition device for mercury-arc rectifiers. J. Jonas. 1,781,330; Nov. 11.
Ignition device for oil burners. H. F. Rodler. 1,756,306; Apr. 29.
Ignition device for projectiles. S. Lebensart. 1,769,848; July 1.
Ignition device, Impact. G. Scaglia. 1,749,720; Mar. 4.
Ignition distributor. W. A. Chryst. 1,745,077; Jan. 28.
Ignition for explosive mixtures, System of. L. Novelli. 1,780,499; Nov. 4.
Ignition for oil burners, Electric. A. P. Holden and P. Morgan. 1,756,636; Apr. 29.
Ignition lock, Cam-operated. C. N. Fairchild. 1,762,922; June 10.
Ignition on combustion engines. J. Bethenod. 1,745,830; Feb. 4.

- Ignition switch. J. L. Dodson. 1,748,705; Feb. 25.
 Ignition-switch lock. F. W. Andrew and W. Hemingway, jr. 1,753,734; Apr. 8.
 Ignition switch, Lock-controlled. C. W. Mitchell. 1,749,672; Mar. 4.
 Ignition system. J. L. Arthur. 1,759,428; May 20.
 Ignition system. W. A. Chryst. 1,759,435; May 20.
 Ignition system. W. F. Hamilton. 1,785,411; Dec. 16.
 Ignition system. C. Marcus. 1,752,918; Apr. 1.
 Ignition systems, Current controller for engine. M. Mallory. 1,752,445; Apr. 1.
 Ignition systems, Current controlling or insulating device for. E. Martin and J. Josinsky. 1,784,697; Dec. 9.
 Ignition timer. J. T. Fitzsimmons. 1,753,564; Apr. 8.
 Ignition timer. F. J. Hardman. 1,785,902; Dec. 23.
 Ignition timer. C. H. Kindl. 1,766,908; June 24.
 Ignition timer and distributor. F. C. Kroeger. 1,745,546; Feb. 4.
 Ignition-timing apparatus. A. A. Kent. 1,760,145; May 27.
 Ignition transformer and fuel control, Combined. R. J. Bliseman. 1,767,058; June 24.
 Illuminated base for clocks or article of analogous nature. F. J. Abel. Des. 81,515; July 8.
 Illuminated board. C. L. Heishman. 1,748,647; Feb. 25.
 Illuminating device. A. W. Beutteil. 1,780,373; Nov. 4.
 Illuminating device. E. M. Garey. 1,786,744; Dec. 30.
 Illuminating device. A. Köhler. 1,758,049; May 13.
 Illuminating device. S. J. Monk. 1,771,444; July 29.
 Illuminating device. L. A. Prescott. 1,764,980; June 17.
 Illuminating device. J. T. C. van Dooren. 1,779,378; Oct. 21.
 Illuminating device, Bell-shaped. W. Bauersfeld. 1,770,726; July 15.
 Illuminating device, Electrical decorative. J. Block. 1,783,277; Dec. 2.
 Illuminating device for aircraft. S. Wiley. 1,781,621; Nov. 11.
 Illuminating device for diagnostic instruments. R. H. Wappler and F. C. Wappler. 1,767,266; June 24.
 Illuminating device for dial telephones. G. Y. Hitt. 1,747,976; Feb. 18.
 Illuminating device for instrument panels. D. E. Keeney. 1,783,920; Dec. 2.
 Illuminating device for refrigerators, display cases, and the like. J. C. Steiner. 1,768,800; July 1.
 Illuminating device, Ornamental. A. Sadacca. 1,783,750; Dec. 2.
 Illuminating device, Work-. M. H. Edmondson. 1,743,535; Jan. 14.
 Illuminating globe or similar article. H. L. Beyer. Des. 80,827; Apr. 1.
 Illuminating means for taximeters. J. Gluck. 1,776,998; Sept. 30.
 Illuminating structure. G. G. Müller. 1,760,767; May 27.
 Illuminating system, reflector, and lamp assembly. R. P. De Vault. 1,781,053; Nov. 11.
 Illumination and magnifying means for motor-heat indicators. H. H. Boyce. 1,754,455; Apr. 15.
 Illumination device for advertising and spectacular purposes. A. J. Roberts. 1,769,311; July 1.
 Illumination, Device for artificial. L. X. Champeau. 1,746,852; Feb. 11.
 Illumination effects, Method of and apparatus for. A. Hopkin, jr. 1,772,606; Aug. 12.
 Illumination for microscopy. H. S. George. 1,784,425; Dec. 9.
 Illumination for tents, Electric. E. Fabianke. 1,765,911; June 24.
 Illumination, Method of and apparatus for producing standard. A. C. Hardy and F. W. Cunningham. 1,761,725; June 3.
 Illumination of swimming pools, Subaqueous. J. F. Booraem. 1,762,383; June 10.
 Illumination, System of. H. C. Singleton. 1,774,457; Aug. 26.
 Illuminator, defroster, deheater, and display device for windows, show cases, and other places. J. W. Kauffmann. 1,757,718; May 6.
 Illusion apparatus. E. E. Schlotz. 1,764,356; June 17.
 Image modifier. A. Ames, jr., and C. A. Proctor. 1,773,335; Aug. 19.
 Images of plastic appearance, Arrangement for producing immovable or movable projected. F. Feldner. 1,758,938; May 20.
 Images on rubber surfaces, Reproducing. J. P. Brockway. 1,761,424; June 3.
 Impact machine. E. H. Shaff. 1,743,625; Jan. 14.
 Impact recorder. J. B. Baskerville. 1,745,522; Feb. 4.
 Impedance device, Mechanical. P. B. Flanders. 1,784,830; Dec. 16.
 Impedance repeater, Two-way negative-. G. Crisson. 1,776,310; Sept. 23.
 Impeller agitator. A. W. Bull. 1,780,551; Nov. 4.
 Impeller mechanism, Rotary. J. M. Smith. 1,769,079; July 1.
 Impelling device. J. H. Davis. 1,780,580; Nov. 4.
 Impelling device, Automatic. D. S. Keiser. 1,780,081; Oct. 28.
 Impellers, Making. G. L. Ferguson. 1,744,757; Jan. 28.
 Impermeable fabric, Flexible. I. M. Jacobsohn and S. Truscott. 1,779,847; Oct. 28.
 Implement. O. Olby. 1,764,278; June 17.
 Implement, Agricultural. J. G. Roberson. 1,749,674; Mar. 4.
 Implement, Agricultural. W. H. Stover. 1,755,085; Apr. 15.
 Implement, Combination. B. Martin. 1,776,443; Sept. 23.
 Implement for filling farinaceous tubular rolls. C. C. Egbert. 1,743,197; Jan. 14.
 Implement for filling farinaceous tubular rolls with food products. C. C. Egbert. 1,767,918; June 24.
 Implement, Ground-working. W. J. Fisher. 1,764,944; June 17.
 Implement or tool, Air-driven. W. W. Price and C. W. Ripsch. 1,758,760; May 13.
 Impregnated and coated fabric. G. Baekeland. 1,776,879; Sept. 30.
 Impregnated sheets, Making. H. C. Cheetham. 1,776,885; Sept. 30.
 Impregnating composition and preparing and using the same. W. C. Geer. 1,773,101; Aug. 19.
 Impression-transferring device. S. A. Neidich. 1,769,597; July 1.
 Impulse-correcting repeater. H. von Beckerath. 1,747,405; Feb. 18.
 Impulses and impulse devices, System and apparatus for testing. R. W. Brown and C. Paulson. 1,759,837; May 27.
 Imprint-testing device. J. F. O'Connor. 1,760,714; May 27.
 Incasing lock. C. H. Duffy. 1,760,977; June 3.
 Incense burner. F. Binnier and G. E. Underwood. Des. 81,224; May 27.
 Incinerator. H. L. Cowles. 1,771,209; July 22.
 Incinerator. F. O. De Carie. 1,759,042; May 20.
 Incinerator. F. X. Enderle. Des. 81,053; Apr. 29.
 Incinerator. H. Heitman. 1,753,008; Apr. 1.
 Incinerator. E. O. Howie. 1,769,879-80; July 1.
 Incinerator. H. Klein. 1,763,159; June 10.
 Incinerator. H. Klein. 1,763,398; June 10.
 Incinerator. R. W. Krenz. 1,762,579; June 10.
 Incinerator. J. R. McLellan. 1,787,081; Dec. 30.
 Incinerator. A. P. Saba. 1,755,027; Apr. 15.
 Incinerator. S. Spector. 1,778,919; Oct. 21.
 Incinerator. E. W. Strube. 1,769,003; July 1.
 Incinerator and water heater, Combined. W. C. Epstein. 1,764,553; June 17.
 Incinerator, Domestic. H. L. Warren. 1,758,487; May 13.
 Incinerator, Garbage. J. H. Drewer, E. F. Bertholf, C. W. Dalbey, and J. W. Ballard. 1,778,249; Oct. 14.
 Incinerator, Garbage. A. E. Langford. 1,776,914; Sept. 30.
 Incinerators, Chimney hopper for. R. T. Wyse. 1,755,089; Apr. 15.
 Inclined elevator. H. A. W. Wood. 1,768,650; July 1.
 Inclined gauge. G. W. Osborn. 1,743,230; Jan. 14.
 Inclinator. C. G. Woodmansee. 1,786,184; Dec. 23.
 Inclosed switch. H. J. Hammerly. 1,776,503; Sept. 23.
 Inclosed switch. H. E. Leppert. 1,783,731; Dec. 2.
 Inclosure for articles being sprayed. C. L. Hooper and R. F. Sutherland. 1,742,393; Jan. 7.
 Inclosure for automobiles. J. T. Gore. 1,750,040; Mar. 11.
 Inclosure for chicks, Knockdown. R. A. Gorsuch. 1,747,472; Feb. 18.
 Inclosure for rumble seats of automobiles. C. S. Worley. 1,772,197; Aug. 5.
 Inclosures and shield construction, Automobile. J. D. Dyer. 1,765,866; June 24.
 Incubator. R. S. Bartlett, C. D. Harrison, and P. D. Lindsey. 1,775,481; Sept. 9.
 Incubator. E. Egan. 1,741,697; Mar. 4.
 Incubator. P. J. Etteldorf. 1,785,942; Dec. 23.
 Incubator. W. R. Gaskill. 1,782,609; Nov. 25.
 Incubator. A. C. Gillette. 1,742,954; Jan. 7.
 Incubator. W. Horwitz. 1,744,472; Jan. 21.
 Incubator. J. Jackson. 1,773,896; Aug. 26.
 Incubator. B. A. Mayer. 1,774,028-9; Aug. 26.
 Incubator. A. Nickler. 1,759,799; May 20.
 Incubator. L. N. Porter and B. F. C. Morris. 1,761,364; June 3.
 Incubator. J. D. Rayon. 1,778,166; Oct. 14.
 Incubator. J. Reckhard. 1,777,996; Oct. 7.
 Incubators, Exterior humidifying and warming ventilator for. R. V. Lobdell. 1,747,477; Feb. 18.
 Incubators, Method of and apparatus for controlling the temperature of mammoth. H. L. Watson. 1,758,017; May 13.
 Index. T. J. Barrett. 1,767,645; June 24.
 Index and file, Card. M. McDonald. 1,743,560; Jan. 14.
 Index, Card. G. H. Dawson. 1,752,294; Apr. 1.
 Index, Card. G. H. Dawson. 1,756,852; Apr. 29.
 Index, Card. L. E. Hutchings. 1,743,274; Jan. 14.
 Index, Card. J. H. Rand, jr. 1,774,238; Aug. 26.
 Index-card tab. A. E. N. Gray and S. M. Schenkeln. 1,763,776; June 17.
 Index device. H. V. Mitchell. 1,781,070; Nov. 11.
 Index device. J. H. Rand. 1,745,119; Jan. 28.
 Index device. J. H. Rand. 1,749,229; Mar. 4.
 Index device. J. H. Rand. 1,756,880; Apr. 29.
 Index device. J. H. Rand. 1,767,257; June 24.
 Index device. J. H. Rand. 1,774,240; Aug. 26.
 Index file. R. H. Kells. 1,778,423; Oct. 14.
 Index for telephone-exchange desks. B. G. Rand. 1,749,228; Mar. 4.
 Index notcher and printer, Book-. H. H. Cotton. 1,764,828; June 17.
 Index or file. W. H. Day. 1,756,853; Apr. 29.
 Index or file. W. H. Day. 1,774,229; Aug. 26.

- Index or file. W. H. Day. 1,780,006; Oct. 28.
 Index or file. A. E. Hunt. 1,786,616; Dec. 30.
 Index or record. H. O. Ross. 1,746,286; Feb. 11.
 Index or record device. J. H. Rand, jr., and L. C. Broecker. 1,756,879; Apr. 29.
 Index sheet and binding means therefor. L. C. Reynolds. 1,755,517; Apr. 22.
 Index sheet for loose-leaf binders. J. L. McMillan. 1,747,256; Feb. 18.
 Index system. M. Zion. 1,771,740; July 29.
 Index system. Card. R. A. Furlong. 1,780,227; Nov. 4.
 Index system, Visible. H. A. Consor, H. L. Matthes, and A. G. Wuest. 1,765,568; June 24.
 Index system, Visible. H. L. Matthes. 1,744,979; Jan. 28.
 Index tab. G. W. Schaefer. 1,757,338; May 6.
 Index tab and method. R. A. Maish. 1,785,780; Dec. 23.
 Index tab for record guides. E. W. Davis. 1,753,285; Apr. 8.
 Index, Visible. A. Von Auw. 1,765,192-3; June 17.
 Index, Visible-card. L. Lombardini. 1,745,262; Jan. 28.
 Index, Visible strip. G. H. Dawson. 1,761,877; June 3.
 Indexing machine. E. W. Riemenschneider. 1,747,602; Feb. 18.
 Indexing mechanism for chase plates and printing segments. F. H. Poeppelmeier. 1,753,428; Apr. 8.
 Indexing table, Rotatable. P. A. Frazier. 1,785,408; Dec. 16.
 Indicating and controlling the speed of motor vehicles, Device for. A. Webling. 1,754,868; Apr. 15.
 Indicating and recording instrument. B. H. Bristol and A. G. Beal. 1,778,702; Oct. 14.
 Indicating apparatus. R. Hofstetter. 1,764,628; June 17.
 Indicating apparatus, Marksmanship. J. W. Miller. 1,776,816; Sept. 30.
 Indicating device. L. V. Aronson. 1,762,753; June 10.
 Indicating device. B. G. Bjornson. 1,759,604; May 20.
 Indicating device. W. J. Burger. 1,758,427; May 13.
 Indicating device. S. M. Girlich. 1,773,670; Aug. 19.
 Indicating device. L. E. Johnson. 1,743,354; Jan. 14.
 Indicating device. H. Schlaich. 1,761,751; June 3.
 Indicating device. H. Schlaich. 1,773,756; Aug. 26.
 Indicating device. A. A. Thomas. 1,760,291; May 27.
 Indicating device. M. J. Tracy and J. H. Kintzels. 1,743,294; Jan. 14.
 Indicating device. W. H. Wascher. 1,745,463; Feb. 4.
 Indicating device. T. Youngberg. 1,764,063; June 17.
 Indicating device for carriers. R. L. Dudley. 1,781,055; Nov. 11.
 Indicating instrument, Illuminated. H. Schlaich. 1,743,401; Jan. 14.
 Indicating-instrument switch. H. Schlaich. 1,779,294; Oct. 21.
 Indicating means. J. Geloso. 1,747,235; Feb. 18.
 Indicating mechanism. H. Schlaich. 1,772,568; Aug. 12.
 Indicating mechanism. H. E. Warren. 1,743,741; Jan. 14.
 Indicating system. E. C. Horton. 1,749,429; Mar. 4.
 Indicating system. B. R. Pope. 1,771,418; July 29.
 Indicating the accuracy of aim, Apparatus for. E. C. Fey. 1,743,201; Jan. 14.
 Indication system. P. H. Betts. 1,765,396; June 24.
 Indicator: See—
 Air-speed indicator. Pen-refill indicator.
 Battery-condition indicator. Polarimeter indicator.
 Battery indicator. Pressure engine indicator.
 Bin indicator. Pressure indicator.
 Bridge warning indicator. Price indicator.
 Car-tacking indicator. Printed-matter indicator.
 Card-table indicator. Radio compass indicator.
 Cistern-water indicator. Radio station indicator.
 Compass indicator. Road indicator.
 Date indicator. Seat indicator.
 Deceleration indicator. Service indicator.
 Dial indicator. Station indicator.
 Dial-test indicator. Speed indicator.
 Direction indicator. Stock indicator.
 Fare indicator. Street indicator.
 Figure indicator. Submarine indicator.
 Flight-altitude indicator. Tank indicator.
 Flow indicator. Taxicab indicator.
 Football-play indicator. Temperature indicator.
 Furnace indicator. Tension indicator.
 Fuse indicator. Thermostat indicator.
 Gasoline indicator. Time indicator.
 Gravity indicator. Tire-deflation indicator.
 Heat indicator. Traffic indicator.
 Hose-end indicator. Typewriter line indicator.
 Level indicator. Universal indicator.
 Liquid-level indicator. Valve-position indicator.
 Meteorological indicator. Vehicle direction indicator.
 Motor-efficiency indicator. Visible flow indicator.
 Music-time indicator. Warming-machine indicator.
 Oil-change indicator. Water-level indicator.
 Oil-level indicator. Weighing indicator.
 Order indicator. Weight indicator.
 Indicator. S. C. Black. 1,743,313; Jan. 14.
 Indicator. C. A. Boyer. 1,785,614; Dec. 16.
 Indicator. J. K. Burleigh. 1,772,703; Aug. 12.
 Indicator. R. H. Des Champs. 1,773,222; Aug. 19.
 Indicator. K. M. McLaughlin. 1,777,500; Oct. 7.
 Indicator. J. E. Thieler. 1,752,122; Mar. 25.
 Indicator. N. H. van Sicken, jr. 1,779,684; Oct. 28.
 Indicator. J. H. West. 1,742,567; Jan. 7.
 Indicator. W. H. Whalen. 1,775,662; Sept. 16.
 Indicator and communicating device, Submarine wreck. R. A. Taylor. 1,774,575; Sept. 2.
 Indicator and recorder. W. K. Dwelle. 1,754,503; Apr. 15.
 Indicator and recorder, Stress. O. B. Goldman. 1,780,141; Oct. 28.
 Indicator diagrams, Method and apparatus for obtaining. H. M. Jacklin and C. P. Roberts. 1,781,013; Nov. 11.
 Indicator element. J. Geloso. 1,747,234; Feb. 18.
 Indicator for airports, Landing. A. M. Wilhelm. Des. 81,677; July 22.
 Indicator for automobile lubrication. S. Brown. 1,754,383; Apr. 15.
 Indicator for cranes, Boom angle. E. H. Lichtenberg. 1,773,589; Aug. 19.
 Indicator for distance-type thermometers. H. Schlaich. 1,757,949; May 6.
 Indicator for drawers. J. R. Caldwell. 1,768,113; June 24.
 Indicator for games. T. H. Decker. 1,749,418; Mar. 4.
 Indicator for internal-combustion engines. F. W. Smith. 1,786,034; Dec. 23.
 Indicator for locks. S. F. Rolph. 1,749,649; Mar. 4.
 Indicator for motion-picture projection apparatus. M. Hoffman. 1,768,063; June 24.
 Indicator for motor vehicles. W. Hueller. 1,751,206; Mar. 18.
 Indicator for motor vehicles, Direction. W. F. Williams. 1,777,240; Sept. 30.
 Indicator for oil wells, Deflection. V. B. Sounitza. 1,746,562; Feb. 11.
 Indicator for photographic apparatus. A. W. Caps. 1,775,630; Sept. 16.
 Indicator for railway trains, trams, and other fixed-route vehicles, Station and route. M. de Luna Perez. 1,768,235; June 24.
 Indicator for the cooling systems of automobiles. H. E. Christie and K. W. Couse. 1,744,447; Jan. 21.
 Indicator for use on vehicles, Direction and movement. R. J. Paton. 1,781,522; Nov. 11.
 Indicator for weighing scales. F. C. Fisher. 1,786,058; Dec. 23.
 Indicator for wrecked submerged crafts. P. M. Climele. 1,759,839; May 27.
 Indicator lock. J. G. Ramey. 1,757,020; May 6.
 Indicator or protector for visible indexes or the like. R. F. Power. 1,768,292; June 24.
 Indicator switch for tanks. J. D. Scott. 1,745,031; Jan. 28.
 Indicator switch, Tire-pressure. J. H. Gartner. 1,772,138; Aug. 5.
 Indicator system. C. L. Davis. 1,763,225; June 10.
 Indicator system. W. W. Willard. 1,755,975; Apr. 22.
 Indicators, Extension for. G. Kaufman. 1,757,313; May 6.
 Indicators, Intermittent drive for. W. S. Garland. 1,746,421; Feb. 11.
 Indigo by aryglycine fusion, Producing. J. F. Wait. 1,786,800; Dec. 30.
 Indirect illumination, Fixture for. P. Goodhouse. 1,780,125; Oct. 28.
 Indophenol intermediate and blue sulphur dye derived therefrom. W. A. Manss. 1,777,757; Oct. 7.
 Inductance. R. Ramsdell. 1,782,444; Nov. 25.
 Inductance device. A. G. Ganz. 1,762,775; June 10.
 Inductance device for loading phantom circuits. P. Thomas and F. Fischer. 1,763,274; June 24.
 Inductance system. L. A. Gebhard. 1,753,408; Apr. 8.
 Inductance system. L. A. Gebhard. 1,763,233; June 10.
 Inductance system. A. M. Trognier. 1,763,278; June 10.
 Inductance, Variable. P. P. Cloff. 1,763,881; June 17.
 Induction furnace. P. H. Brace. 1,768,881; July 1.
 Induction furnace. P. E. Bunet. 1,743,956; Jan. 14.
 Induction furnace. G. A. Chutter. 1,752,887; Apr. 1.
 Induction furnace. F. Linnhoff. 1,775,351; Sept. 9.
 Induction furnace. E. F. Russ. 1,770,662; July 15.
 Induction furnace. G. B. Tjoflat. 1,763,200; June 10.
 Induction furnace, Magnetic-core. P. E. Bunet. 1,760,741; May 27.
 Induction machines, Speed and power factor control of. J. I. Hull and P. W. Robinson. 1,778,599; Oct. 14.
 Induction meter. A. Calls-n. 1,786,821; Dec. 30.
 Induction meter. H. Fröhlich. 1,786,157; Dec. 23.
 Induction meter. H. Fröhlich and R. Pudelko. 1,755,110; Apr. 15.
 Induction meter. H. Fröhlich and W. Zingg. 1,786,156; Dec. 23.
 Induction meter. J. Mettler. 1,758,673; May 13.
 Induction motor. E. Fassnacht. 1,768,588; July 1.
 Induction motor. C. L. Kennedy. 1,780,881; Nov. 4.
 Induction motor. H. Lund. 1,752,097; Mar. 25.
 Induction motor. W. J. Morrill. 1,771,936; July 29.
 Induction motor, Compensated. R. Richter. 1,746,445; Feb. 11.
 Induction motor, Self-starting. K. L. Hansen and W. J. Oesterlein. 1,743,818; Jan. 14.
 Induction motor, Variable-speed. B. E. Smith. 1,769,652; July 1.
 Induction synchronous frequency changer installation. W. Weiler. 1,742,980; Jan. 7.
 Induction timing motor. A. R. Rutter. 1,778,835; Oct. 21.
 Induction watt-hour meter. I. F. Kinnard. 1,771,929; July 29.
 Inductor. R. L. Davis and J. P. Stakel. 1,760,975; June 3.
 Inductor furnace. E. F. Northrup. 1,744,983; Jan. 28.
 Inductor-type furnace. E. F. Northrup. 1,772,579; Aug. 12.

- Industrial furnace. R. Warsitz. 1,757,492; May 6.
 Infant's chair. R. Sutton. 1,769,722; July 1.
 Inflatable bag for use in tire building. R. C. Brice. 1,755,048; Apr. 15.
 Infants, Reserve and conservation of. H. B. Moses. 1,755,359; Apr. 22.
 Inflating device. P. Markus. 1,766,182; June 24.
 Inflating means. H. E. Smith. 1,769,240; July 1.
 Inflation apparatus. G. B. Nichols. 1,768,327; June 24.
 Inflation device. W. E. Huffman. 1,787,153; Dec. 30.
 Information device for automobiles. M. W. Hill. 1,761,790; June 3.
 Infra-red rays, Device for producing. H. P. MacLagan. 1,768,519; June 24.
 Infusions of coffee, tea, or the like, Method of and apparatus for making. P. Greenwald. 1,751,477; Mar. 25.
 Ingot and making it, Macrocrystal. H. Alterthum. 1,752,877; Apr. 1.
 Ingot mold. M. Blage. 1,758,823; May 13.
 Ingot mold. H. M. Fletcher. 1,768,835; July 1.
 Ingot mold. E. J. Kauffman. 1,762,098; June 3.
 Ingot mold. E. L. Ramsey and J. Sullivan. 1,775,473; Sept. 9.
 Ingot mold. R. C. Reed. 1,743,932; Jan. 14.
 Ingot mold and ingot. E. Gathmann. 1,745,089; Jan. 28.
 Ingot mold and ingot. E. Gathmann. 1,757,663; May 6.
 Ingot mold and ingot. E. Gathmann. 1,767,174; June 24.
 Ingot-mold flask. V. Tope. 1,750,734; Mar. 18.
 Ingot mold with chilled matrix walls and apparatus for making same. J. E. Perry. 1,747,679; Feb. 18.
 Ingot molds, Apparatus for jarring. L. Young. 1,785,757; Dec. 23.
 Ingot-pushing device. J. Gassen. 1,748,948; Mar. 4.
 Ingot stripper. E. J. George. 1,760,054; May 27.
 Ingot stripper. R. H. Stevens. 1,749,723; Mar. 4.
 Ingot-stripping mechanism. W. D. Keller and W. H. Poto. 1,780,787; Nov. 4.
 Ingots for working, Forming. T. D. Stay and W. Holzhauser. 1,777,657; Oct. 7.
 Ingots for working, Forming magnesium. T. D. Stay and W. Holzhauser. 1,777,658; Oct. 7.
 Ingots for working, Forming zinc. T. D. Stay and W. Holzhauser. 1,777,659; Oct. 7.
 Ingots, Method of and apparatus for casting metal. H. A. Deuel. 1,767,055; June 24.
 Ingots or masses in furnaces, Apparatus for moving. H. Bangert and M. Peters. 1,763,918; June 17.
 Ingredients of mixtures, Apparatus for apportioning the. W. M. Venable. 1,775,609; Sept. 9.
 Inhalation apparatus for anesthetic and other purposes. R. Foregger. 1,778,716; Oct. 21.
 Inhaling device. J. F. Class. 1,775,986; Sept. 16.
 Inhibitor. G. Barsky. 1,771,702; July 29.
 Inhibitor. H. P. Corson. 1,742,986; Jan. 7.
 Inhibitor. R. E. Lawrence. 1,780,595; Nov. 4.
 Inhibitor. I. Williams. 1,773,247; Aug. 19.
 Inhibitor material. L. J. Christmann. 1,755,812; Apr. 22.
 Initial identification device. C. Flint. 1,773,480; Aug. 19.
 Injection apparatus. H. S. Morton. 1,767,304; June 24.
 Injector. A. R. Ayers. 1,778,745; Oct. 21.
 Injector. I. P. Pedrick. 1,743,684; Jan. 14.
 Ink. C. E. Bivins. 1,787,233; Dec. 30.
 Ink agitator for printing presses. W. Lindsay. 1,773,819; Aug. 26.
 Ink-cleaning device for flat-bed cylinder printing presses. B. J. Hill. 1,770,695; July 15.
 Ink-distributor-roller structure. H. W. De Jarnette. 1,771,877; July 29.
 Ink, etc., Apparatus for making. A. L. Miller. 1,765,991; June 24.
 Ink-fountain drive. I. Tornberg. 1,785,158; Dec. 16.
 Ink fountain for printing presses. C. A. Rupp. 1,742,787; Jan. 7.
 Ink fountains, Page cut-off for. H. A. W. Wood. 1,760,573; May 27.
 Ink, Nontarnishing metallic. W. F. Smith. 1,752,462; Apr. 1.
 Ink-removing device. W. J. Snyder. 1,772,470; Aug. 12.
 Ink reservoir for printing presses, Water-cooled. J. J. Halliwell. 1,770,133; July 8.
 Ink-ribbon feed and reversing mechanism. H. E. Hubbard and C. C. McCain. 1,744,965; Jan. 28.
 Inkstand. F. E. Meyer. 1,778,705; Oct. 14.
 Inkstand and pen filler. A. Langsner. 1,772,610; Aug. 12.
 Inkwell. T. F. Leahy. 1,769,299; July 1.
 Inkwell stand. A. M. Spradlin. Des. 80,294; Jan. 7.
 Inking device. E. O. Eckland and W. H. Young. 1,750,955; Mar. 18.
 Inking fountain. H. W. Clark. 1,759,889; May 27.
 Inking mechanism. C. A. Frederickson. 1,745,414; Feb. 4.
 Inking mechanism for printing machines. F. C. Marquardt. 1,757,808; May 6.
 Inking mechanism for printing presses. L. A. Schmidt. 1,756,308; Apr. 29.
 Inking mechanism for printing presses. J. H. Schussler. 1,760,721; May 27.
 Inking mechanism for traveling cylinder presses. P. F. and J. L. Cox. 1,751,029; Mar. 18.
 Inking mechanism of platen printing presses. M. Hora. 1,743,920; Jan. 14.
 Inking numbering machine, Automatically. M. Kawamori. 1,778,002; Oct. 21.
 Inking roller. E. F. Dudley. 1,764,157; June 17.
 Inking roller. W. L. Scribner. 1,748,247; Feb. 25.
 Inking system for printing presses. H. A. W. Wood. 1,774,778; Sept. 2.
 Inky surfaces, Method and article for wiping. F. T. Parsons, Jr. 1,759,520; May 20.
 Inlet, Auxiliary air. E. G. Graumlich. 1,742,955; Jan. 7.
 Inner tube. J. L. Hayes. 1,764,076; June 17.
 Inner tube for pneumatic tires. W. A. Kline. 1,774,892; Sept. 2.
 Inner tube for pneumatic tires. A. W. Ott. 1,765,093; June 17.
 Inner-tube mold, Upright. R. W. Hutchens and A. R. Krause. 1,781,393; Nov. 11.
 Inner tube, Punctureproof pneumatic. W. J. Aschenbach. 1,759,602; May 20.
 Inner tubes and the like, Method of and apparatus for the manufacture of. H. A. Denmire. 1,754,502; Apr. 15.
 Inner tubes, Apparatus for manufacturing. A. A. Glidden and T. M. Knowland. 1,767,062; June 24.
 Inner tubes, Apparatus for vulcanizing. E. Schnedarek. 1,755,563; Apr. 22.
 Inner tubes, Molding. F. J. Benson. 1,744,438; Jan. 21.
 Inner tubes or the like, Device for repairing. J. C. Thomas and W. H. Bines. 1,768,345; June 24.
 Input collector system for electrical amplifiers. H. A. Snow and W. D. Loughlin. 1,780,987; Nov. 11.
 Insect catcher. E. M. Lennox. 1,759,359; May 20.
 Insect destroyer. C. B. Hay. 1,764,952; June 17.
 Insect destroying device. L. McA. Goodwin. 1,759,693; May 20.
 Insect-guard attachment for hats. L. M. Shlenker. 1,780,801; Nov. 4.
 Insect larvæ, Process and apparatus for the destruction of. E. M. Diefenbach. 1,773,099; Aug. 19.
 Insect life on vegetation, Destroying. C. L. Stokes. 1,775,703; Sept. 16.
 Insect repellent. J. Glover. Des. 80,888; Apr. 8.
 Insect repeller. W. E. Smith. 1,780,407-8; Nov. 4.
 Insect trap. W. F. Cornelius and H. Jacobs. 1,751,130; Mar. 18.
 Insect trap. S. Deibele. 1,786,704; Dec. 30.
 Insect trap. J. L. Disney. 1,750,163; Mar. 11.
 Insect trap. W. S. Emley. 1,772,989; Aug. 12.
 Insect trap. W. M. Frost. 1,743,664-5; Jan. 14.
 Insect trap. W. R. Gwathmey. 1,770,737; July 15.
 Insect trap. G. Pisani. 1,772,729; Aug. 12.
 Insect trap. A. C. Sladky. 1,783,631; Dec. 2.
 Insecticidal meal. A. D. Cardinet. 1,778,021; Oct. 14.
 Insecticide. E. C. Britton and W. H. Williams. 1,748,633; Feb. 25.
 Insecticide. J. H. Lamber. 1,785,451; Dec. 16.
 Insecticide. H. V. McClellan. 1,758,734; May 13.
 Insecticide. W. Moore. 1,761,144; June 3.
 Insecticide and fungicide. R. H. McKee. 1,744,324; Jan. 21.
 Insecticide and fungicide compound. J. H. James. 1,764,792; June 17.
 Insecticide and making same. C. B. Gnadinger. 1,773,102; Aug. 19.
 Insecticide barrier. K. F. Cooper and W. Moore. 1,762,610; June 10.
 Insecticide containing effective ingredient of derris species, Producing a liquid. T. Ohori and K. Nakazawa. 1,745,907; Feb. 4.
 Insecticide of low water solubility, Manganese-arsenate. W. K. Schweitzer. 1,770,999; July 22.
 Insecticide production. A. Harzell. 1,781,841; Nov. 18.
 Insecticides, Manufacture of. W. H. Groombridge. 1,753,887; Apr. 8.
 Insert. P. C. Schorr and L. H. Syring. 1,783,391; Dec. 2.
 Insert for concrete. H. L. Gaddis. 1,768,246; June 24.
 Insignia attachment. J. Kerkhoff. 1,764,175; June 17.
 Insignia device. H. J. Peele. 1,767,550; June 24.
 Insole. H. B. Gorman. 1,744,759; Jan. 28.
 Insole. H. B. Gorman. 1,782,466; Nov. 25.
 Insole and making same. S. R. Blakely. 1,781,715; Nov. 18.
 Insole and making same. F. Oblak. 1,777,855; Oct. 7.
 Insole and manufacturing same. S. R. Blakely. 1,770,908; July 22.
 Insole for shoes. A. F. Donovan. 1,760,300; May 27.
 Insole-holding device. M. V. Bresnahan. 1,749,900; Mar. 11.
 Insole, shoe and making the same. G. A. Miner. 1,743,228; Jan. 14.
 Insoles, Device for forming recesses and enlargements on shoe. A. Sachs. Re17,914; Dec. 30.
 Insoles, Device for forming recesses and enlargements on. A. Sachs. 1,747,029; Feb. 11.
 Insoles, Forming. H. M. Gusdorf. 1,763,148; June 10.
 Installation for supplying and circulating heated or cooled air. H. Zwerling. 1,781,358; Nov. 11.
 Installation, High-potential. A. O. Austin. 1,783,271; Dec. 2.
 Installation, Turbogenerator. G. B. Warren. 1,756,894; Apr. 29.
 Instrument board light. A. Moorhouse. 1,786,768; Dec. 30.
 Instrument case. H. Bartenbach. 1,755,171; Apr. 22.
 Instrument case, Musical. W. E. Janssen. 1,749,585; Mar. 4.
 Instrument casing. J. Zubaty. 1,761,953; June 3.

- Instrument for graphic control. E. Szepesi. 1,778,737; Oct. 21.
- Instrument for use in solving fault problems. E. J. Stanley. 1,773,886; Aug. 26.
- Instrument for controlling temperatures. R. W. Brown. 1,768,349; June 24.
- Instrument for drafting irregular curves. A. Gasparich. 1,753,698; Apr. 8.
- Instrument for measuring the hardness of metals. P. P. Roudié. 1,762,639; June 10.
- Instrument for measuring variable forces. J. G. Paulin. 1,761,489; June 3.
- Instrument illuminator. H. W. Smith. 1,759,469; May 20.
- Instrument inclosed in nonmetallic housings. L. O. Grondahl and L. F. Howard. 1,783,784; Dec. 2.
- Instrument lock, Floatable-record. W. J. Stapleton. 1,767,192; June 24.
- Instrument panel. E. E. Hans. 1,761,914; June 3.
- Instrument panel. H. V. Henderson. Des. 82,501; Nov. 11.
- Instrument panel. D. E. Keeney. 1,750,601; Mar. 11.
- Instrument panel. A. Pineau. 1,744,010; Jan. 14.
- Instrument panel. L. S. Sheldrick. Des. 82,710; Dec. 2.
- Instrument panel. J. Zubaty and D. E. Keeney. 1,760,855; May 27.
- Instrument panel for switchboards. P. MacGahan. Des. 82,684; Dec. 2.
- Instrument scale plate. G. W. Sprenger. 1,751,426; Mar. 18.
- Instruments for the passage of the glottis by means of the touch, Set of. S. G. Vicente. 1,761,761; June 3.
- Insulated carrier. H. A. Gardner. 1,786,340; Dec. 23.
- Insulated conductor. O. A. Frederickson. 1,749,740; Mar. 4.
- Insulated handle. G. E. Meissner. 1,774,207; Aug. 26.
- Insulated structural unit. J. L. Rosemiller. 1,760,211; May 27.
- Insulated union and pipe strap, Shock. R. F. Cowell. 1,783,410; Dec. 2.
- Insulating block. J. Berg. 1,780,739; Nov. 4.
- Insulating body of spun glass. O. Gossler. 1,771,216; July 22.
- Insulating bushing for electrical apparatus. A. Allan. 1,751,379; Mar. 18.
- Insulating can jacket. R. T. Lascke. 1,768,989; July 1.
- Insulating cap for the joints of electrical conductors and conductive coating for use therein. F. M. van Gelderen. 1,762,039; June 3.
- Insulating coating on aluminum or aluminum alloys. L. McCulloch. 1,751,213; Mar. 18.
- Insulating composition. L. de Ayestaran. 1,760,044; May 27.
- Insulating construction, Sound. B. E. Baldof. 1,754,411; Apr. 15.
- Insulating covering for fittings. E. A. Smith. 1,774,732; Sept. 2.
- Insulating device. W. Broad. 1,755,587; Apr. 22.
- Insulating device for cooking utensils, Heat. C. Endorf. 1,786,562; Dec. 30.
- Insulating head for extrusion machines. G. F. Crowley and R. C. Pierce. 1,763,136; June 10.
- Insulating joint. W. V. Emmons. 1,757,561; May 6.
- Insulating joint. J. Rah. 1,784,881; Dec. 16.
- Insulating joint. S. D. Sprong. 1,751,665; Mar. 25.
- Insulating layers for electrical condensers. L. P. Schweitzer. 1,746,366; Feb. 11.
- Insulating layers upon wires, Producing thin. R. Rüdenberg and W. Schottky. 1,786,920; Dec. 30.
- Insulating material. J. E. Gross. 1,750,305; Mar. 11.
- Insulating material. H. G. Walker. 1,749,008; Mar. 4.
- Insulating material, Flexible. L. V. Adams. 1,771,367; July 22.
- Insulating material, Heat, cold, and sound. W. R. Respass. 1,749,159; Mar. 4.
- Insulating material in the form of strips to electric conductors, Application of. P. Dunsheath. 1,782,381; Nov. 18.
- Insulating material, Process and apparatus for making cellular. G. M. Thomson. 1,751,430; Mar. 18.
- Insulating materials and manufacture of same. W. L. Steffens. 1,765,312; June 17.
- Insulating means for coke-oven heads. R. Wilhelm. 1,757,988; May 13.
- Insulating separator for accumulator plates. P. Pautou. 1,779,286; Oct. 21.
- Insulating sheets, Producing. R. Karg and J. Weiss. 1,752,561; Apr. 1.
- Insulating sleeves, Preparing. T. C. Reed and D. Odell. 1,753,869; Apr. 8.
- Insulating sleeves, Preparing. T. C. Reed and A. D. Odell. 1,786,549; Dec. 30.
- Insulation. D. M. Simmons. 1,775,072; Sept. 2.
- Insulation. R. B. Sutter. 1,747,335; Feb. 18.
- Insulation article, Molded. W. C. Tregoning. 1,784,557; Dec. 9.
- Insulation block for electric terminals. E. A. Everett. Des. 82,320; Oct. 21.
- Insulation block for electric terminals. E. A. Everett. Des. 82,664; Dec. 2.
- Insulation electrical apparatus. A. Meissner. 1,751,939; Mar. 25.
- Insulation for electric cables and the like, Paper. 1,771,946; July 29.
- Insulation for electrical conductors. H. G. Witmer. 1,752,872; Apr. 1.
- Insulation for heating vessels. G. D. White. 1,761,696; June 3.
- Insulation for pipe fittings. C. S. Morgan. 1,771,134; July 22.
- Insulation-removing process. H. H. Heller. 1,749,939; Mar. 11.
- Insulation shield for electric wiring. E. J. Schneider. 1,742,488; Jan. 7.
- Insulations, Tie clamp for electric. R. G. Dickinson. 1,750,880; Mar. 18.
- Insulator. G. A. Burnham. 1,777,071; Sept. 30.
- Insulator. P. B. Cochran. 1,764,434; June 17.
- Insulator. R. P. Dunmire. 1,770,130; July 8.
- Insulator. C. S. Gordon and J. T. Lowe. 1,760,983; June 3.
- Insulator. K. A. Hawley. 1,772,513; Aug. 12.
- Insulator. C. E. Howell. 1,764,724; June 17.
- Insulator. R. C. Gerhardt. 1,759,253; May 20.
- Insulator. J. B. Marshall. 1,751,827; Mar. 25.
- Insulator. F. H. Miller. 1,763,170-1; June 10.
- Insulator. F. H. Miller and R. P. Jackson. 1,782,790; Nov. 25.
- Insulator. F. H. Miller. 1,786,767; Dec. 30.
- Insulator. A. Nyman. 1,743,727; Jan. 14.
- Insulator. D. H. Osborne. 1,758,462; May 13.
- Insulator. W. H. Schramm. 1,764,418-19; June 17.
- Insulator. H. P. Sleeman. 1,755,032; Apr. 15.
- Insulator. R. C. Smalley. 1,755,971; Apr. 22.
- Insulator. H. B. Smith. 1,786,784; Dec. 30.
- Insulator. A. G. Steinmayer. 1,779,501; Oct. 28.
- Insulator. C. B. Van Atta. 1,776,573; Sept. 23.
- Insulator. C. B. Van Atta. 1,778,176; Oct. 14.
- Insulator and making same, Glass. D. H. Rowland. 1,780,246; Nov. 4.
- Insulator and manufacture thereof, Thermal and electrical. A. A. Samuel. 1,770,663; July 15.
- Insulator and mold for casting the same. H. L. J. Haquin. 1,754,101; Apr. 8.
- Insulator and shunt-circuit closer. R. E. Sheperd. 1,761,496; June 3.
- Insulator bushing. A. O. Austin. 1,766,869; June 24.
- Insulator bushing joint. A. O. Austin. 1,762,281; Mar. 25.
- Insulator, Cable-support. J. Kaiser. 1,750,318; Mar. 11.
- Insulator cap. A. Ramsey. 1,767,398; June 24.
- Insulator, Combined frog and section. T. A. Thomas and W. F. Hawie, sr. 1,779,832; Oct. 28.
- Insulator construction. A. Haller. 1,749,534; Mar. 4.
- Insulator drawbar, Shock. R. F. Cowell. 1,743,119; Jan. 14.
- Insulator, Electric. H. A. Ewen. 1,751,580; Mar. 25.
- Insulator, Electric. G. Hoffmann. 1,772,947; Aug. 12.
- Insulator, Electric. R. T. Lobdell. 1,785,816; Dec. 23.
- Insulator, Electric. J. F. Phillips. 1,750,352; Mar. 11.
- Insulator for electric conductors. F. H. Bramwell. 1,766,593; June 24.
- Insulator guard. J. Holzel. 1,766,636; June 24.
- Insulator, High-tension. S. Barfoed. 1,742,628; Jan. 7.
- Insulator, High-tension. P. B. Stewart. 1,745,234; Jan. 28.
- Insulator, High-voltage. F. G. Baum. 1,768,948; July 1.
- Insulator, Leakproof. D. R. Kitts. 1,748,884; Feb. 25.
- Insulator mounting. T. R. Campbell. 1,746,817; Feb. 11.
- Insulator mounting. B. M. Smalley. 1,749,359; Mar. 4.
- Insulator, Multiple-skirt suspension. K. A. Hawley. 1,778,152; Oct. 14.
- Insulator, Pedestal. K. A. Hawley. 1,776,557; Sept. 23.
- Insulator-pin-centering means. K. A. Hawley. 1,778,153; Oct. 14.
- Insulator pin. A. O. Austin. 1,750,769-70; Mar. 18.
- Insulator pin. E. Y. Porter. 1,744,674; Jan. 21.
- Insulator, Pin-type. R. M. Kerschner. 1,743,552; Jan. 14.
- Insulator rack. N. C. Husted. 1,770,138; July 8.
- Insulator rack. W. D. Kyle. 1,749,915; Mar. 11.
- Insulator, Rotary. A. Alsaker. 1,759,149; May 20.
- Insulator, Section. S. S. Matthes. 1,773,192; Aug. 19.
- Insulator shells, Apparatus for finishing. W. H. Smith. 1,755,308; Apr. 22.
- Insulator, Strain. S. S. Matthes. 1,756,651; Apr. 29.
- Insulator string. J. Slepian. 1,763,196; June 10.
- Insulator structure. L. R. Wilder. 1,766,576; June 24.
- Insulators, Apparatus for making. K. A. Hawley. 1,784,792; Dec. 9.
- Insulators, Manufacture of. D. H. Rowland. 1,784,392; Dec. 9.
- Insulators, Manufacturing. W. F. Harvey. 1,779,811; Oct. 28.
- Insulators, Process and apparatus for testing. A. O. Austin. 1,750,699; Mar. 18.
- Insurance-policy form. V. F. Pollak. 1,757,094; May 6.
- Intaglio printing colors, Production of. H. Fleischmann and O. Jordan. 1,787,239; Dec. 30.
- Integrating meter. H. Nützelberger. 1,763,175; June 10.
- Integrating method and apparatus. I. M. Stein. 1,772,091; Aug. 5.
- Integrator and recorder. M. Morrison. 1,785,525; Dec. 16.
- Interfolding machine. W. H. Cannard. 1,772,128; Aug. 5.
- Interleaver. A. Broadmayer. 1,779,800; Oct. 28.
- Interlock mechanism. C. O. Ball. 1,761,964; June 3.
- Interlock, Tap-changing. L. H. Hill and W. M. Dann. 1,764,405; June 17.

- Interlocking and signal mechanism for liquid dispensers. L. R. Hartley. 1,747,510; Feb. 18.
- Interlocking device. C. A. Swinehart. 1,748,740; Feb. 25.
- Interlocking manual and power feed control. B. P. Graves. 1,749,073; Mar. 4.
- Interlocking structures, Constructing. T. Carrozza. 1,754,261; Apr. 15.
- Intermediate derived from aminosulphones. K. H. Saunders. 1,766,951-2; June 24.
- Intermittent-driving mechanism. D. F. Grahame. 1,787,265; Dec. 30.
- Intermixed divided materials, Method and mechanism for separating. K. Davis. 1,786,740; Dec. 30.
- Intermixed materials, Process and mechanism for separating. K. Davis. 1,782,391-2; Nov. 18.
- Intermixed materials, Process and mechanism for dividing. K. Davis. 1,786,738; Dec. 30.
- Internal and external combustion engine, Combined. R. Hildebrand. 1,761,561; June 3.
- Internal brake. L. Blackmore. 1,750,611; Mar. 11.
- Internal brake. H. C. Olivier. 1,761,933; June 3.
- Internal-combustion engine. E. Adamson. 1,765,359; June 24.
- Internal-combustion engine. C. H. Anderson. 1,781,042; Nov. 11.
- Internal-combustion engine. G. Anderson. 1,756,621; Apr. 29.
- Internal-combustion engine. P. Arrighi. 1,772,977; Aug. 12.
- Internal-combustion engine. B. B. Bachman and L. S. Clarke. 1,782,187; Nov. 18.
- Internal-combustion engine. A. R. Baker. 1,775,303; Sept. 9.
- Internal-combustion engine. J. A. H. Barkelj. 1,773,072; Aug. 12.
- Internal-combustion engine. J. A. H. Barkeij. 1,776,760; Sept. 23.
- Internal-combustion engine. J. C. Barnaby. 1,745,884; Feb. 4.
- Internal-combustion engine. J. C. Barnaby. 1,754,735; Apr. 15.
- Internal-combustion engine. C. S. Barrell. 1,748,273; Feb. 25.
- Internal-combustion engine. C. G. Barrett. 1,772,742; Aug. 12.
- Internal-combustion engine. G. P. Beaudry. 1,751,385; Mar. 18.
- Internal-combustion engine. E. Becker. 1,753,196; Apr. 8.
- Internal-combustion engine. V. E. A. Belanger. 1,756,968; May 6.
- Internal-combustion engine. L. Berner. 1,785,176; Dec. 16.
- Internal-combustion engine. R. Boillard. 1,743,107; Jan. 14.
- Internal-combustion engine. J. J. Boland. 1,765,713; June 24.
- Internal-combustion engine. J. A. Boughton. 1,762,650; June 10.
- Internal-combustion engine. R. F. Brown. 1,754,785; Apr. 15.
- Internal-combustion engine. M. I. Browne. 1,744,157; Jan. 21.
- Internal-combustion engine. E. R. Burtnett. 1,745,343; Jan. 28.
- Internal-combustion engine. E. R. Burtnett. 1,764,147; June 17.
- Internal-combustion engine. E. R. Burtnett. 1,786,287; Dec. 23.
- Internal-combustion engine. C. P. Cady. 1,786,423; Dec. 30.
- Internal-combustion engine. H. Caminez. 1,771,246; July 22.
- Internal-combustion engine. R. S. Carter. 1,743,023; Jan. 7.
- Internal-combustion engine. F. H. Cathcart. 1,779,032; Oct. 21.
- Internal-combustion engine. C. C. Champion jr. 1,771,074; July 22.
- Internal-combustion engine. N. C. Christensen. 1,755,501; Apr. 22.
- Internal-combustion engine. A. E. L. Chorlton. 1,750,570-1; Mar. 11.
- Internal-combustion engine. W. S. Cochrane. 1,751,443; Mar. 18.
- Internal-combustion engine. M. M. Cory. 1,758,429; May 13.
- Internal-combustion engine. A. Craigon. 1,756,538; Apr. 29.
- Internal-combustion engine. A. Craigon. 1,762,613; June 10.
- Internal-combustion engine. D. P. Davies. 1,779,088; Oct. 21.
- Internal-combustion engine. R. E. Deeble. 1,777,400; Oct. 7.
- Internal-combustion engine. R. H. Dibley. 1,755,817; Apr. 22.
- Internal-combustion engine. H. I. A. Dorner. Re17,775; Aug. 19.
- Internal-combustion engine. G. S. Edlin and H. H. Stewart. 1,772,988; Aug. 12.
- Internal-combustion engine. K. Eisenburger. 1,783,075; Nov. 25.
- Internal combustion engine. H. Ellerbusch. 1,783,499; Dec. 2.
- Internal-combustion engine. O. H. Ensign. 1,746,728; Feb. 11.
- Internal-combustion engine. G. Ferguson. 1,746,306; Feb. 11.
- Internal-combustion engine. A. A. Filicky. 1,779,163; Oct. 21.
- Internal-combustion engine. H. Fischer. 1,770,608; July 15.
- Internal-combustion engine. H. J. Fisher. 1,751,625; Mar. 25.
- Internal-combustion engine. L. O. French. 1,762,550; June 10.
- Internal-combustion engine. C. L. Fry. 1,751,080; Mar. 18.
- Internal-combustion engine. F. Garabello. 1,771,780; July 29.
- Internal-combustion engine. E. Gausel. 1,764,557; June 17.
- Internal-combustion engine. E. L. Gilbert. 1,758,829; May 13.
- Internal-combustion engine. W. R. Gillespie. 1,744,161; Jan. 21.
- Internal-combustion engine. J. B. Goodwin. 1,752,379; Apr. 1.
- Internal-combustion engine. F. E. Gough. 1,744,542; Jan. 21.
- Internal-combustion engine. L. G. Grace. 1,777,792; Oct. 7.
- Internal-combustion engine. H. Gräff. 1,777,199; Sept. 30.
- Internal-combustion engine. W. R. Griswold. 1,761,474; June 3.
- Internal-combustion engine. W. R. Griswold. 1,766,899-100; June 24.
- Internal-combustion engine. H. B. Greening and J. W. Galloway. 1,781,008; Nov. 11.
- Internal-combustion engine. C. O. Guernsey. 1,765,230; June 17.
- Internal-combustion engine. F. B. Halford. 1,783,085; Nov. 25.
- Internal-combustion engine. C. B. Hardman. 1,751,919; Mar. 25.
- Internal-combustion engine. J. E. Haynes. 1,774,369; Aug. 26.
- Internal-combustion engine. J. Held. 1,744,117; Jan. 21.
- Internal-combustion engine. E. Herkt. 1,752,082; Mar. 25.
- Internal-combustion engine. E. Herkt. 1,773,226; Aug. 19.
- Internal-combustion engine. H. T. Herr. 1,748,478; Feb. 25.
- Internal-combustion engine. G. Hill. 1,754,791; Apr. 15.
- Internal-combustion engine. H. L. Horning. 1,783,714-5; Dec. 2.
- Internal-combustion engine. L. V. Hosford. 1,744,310; Jan. 21.
- Internal-combustion engine. R. C. Hoss. 1,758,320; May 13.
- Internal-combustion engine. W. Hoydemann. 1,779,596; Oct. 28.
- Internal-combustion engine. J. S. Jackson. 1,766,385; June 24.
- Internal-combustion engine. J. L. Jameson and C. J. Fisher. 1,757,907; May 6.
- Internal-combustion engine. H. L. Johnson. 1,755,260; Apr. 22.
- Internal-combustion engine. E. B. Karpes. 1,771,335; July 22.
- Internal-combustion engine. A. T. Kasley. 1,759,946; May 27.
- Internal-combustion engine. A. W. Kath. 1,747,636; Feb. 18.
- Internal-combustion engine. H. J. Kline. 1,756,029; Apr. 29.
- Internal-combustion engine. C. Y. Knight. 1,750,321; Mar. 11.
- Internal-combustion engine. W. Knochenhauer. 1,767,932; June 24.
- Internal-combustion engine. O. C. Kreis. 1,746,539; Feb. 11.
- Internal-combustion engine. O. C. Kreis. 1,752,009; Mar. 25.
- Internal-combustion engine. O. C. Kreis. 1,764,734; June 17.
- Internal-combustion engine. F. Lang. 1,783,803; Dec. 2.
- Internal-combustion engine. R. Lee. 1,776,441; Sept. 23.
- Internal-combustion engine. V. Link. 1,744,319; Jan. 21.
- Internal-combustion engine. V. Link. 1,745,700; Feb. 4.
- Internal-combustion engine. F. H. Lindenberg. 1,760,073; May 27.
- Internal-combustion engine. M. Marcellus. 1,781,589; Nov. 11.
- Internal-combustion engine. J. H. Marks. 1,766,917; June 24.
- Internal-combustion engine. W. T. McCabe. 1,743,558; Jan. 14.
- Internal-combustion engine. L. L. Mead. 1,749,542; Mar. 4.
- Internal-combustion engine. C. Mehlum. 1,757,778; May 6.
- Internal-combustion engine. A. J. Meyer. 1,746,548; Feb. 11.

- Internal-combustion engine. A. J. Meyer. 1,755,998; Apr. 22.
- Internal-combustion engine. A. J. Meyer. 1,764,739; June 17.
- Internal-combustion engine. W. O. Michelsen. 1,757,645; May 6.
- Internal-combustion engine. G. de Monge. 1,778,663; Oct. 14.
- Internal-combustion engine. A. Moorhouse. 1,766,921; June 24.
- Internal-combustion engine. A. Moorhouse. 1,767,222; June 24.
- Internal-combustion engine. A. Moorhouse. 1,768,136; June 24.
- Internal-combustion engine. A. Moses. 1,773,196; Aug. 19.
- Internal-combustion engine. J. A. Mould. 1,782,740; Nov. 25.
- Internal-combustion engine. C. H. Muckenhirn. 1,754,758; Apr. 15.
- Internal-combustion engine. O. M. Nacker. 1,773,745; Aug. 26.
- Internal-combustion engine. E. E. Neldner. 1,774,105; Aug. 26.
- Internal-combustion engine. E. C. Newcomb and D. G. Roos. 1,781,696; Nov. 18.
- Internal-combustion engine. F. M. Newson. Re17,749; July 29.
- Internal-combustion engine. A. M. Niven. 1,743,282; Jan. 14.
- Internal-combustion engine. A. M. Niven. 1,764,744-5; June 17.
- Internal-combustion engine. A. M. Niven. 1,778,911; Oct. 21.
- Internal-combustion engine. A. M. Niven. 1,785,556; Dec. 16.
- Internal-combustion engine. N. A. B. Odom. 1,787,121; Dec. 30.
- Internal-combustion engine. F. J. Omo. 1,775,108; Sept. 9.
- Internal-combustion engine. G. Plato. 1,766,401; June 24.
- Internal-combustion engine. J. and P. Pontrello. 1,761,843; June 3.
- Internal-combustion engine. E. A. Putnam. 1,748,728; Feb. 25.
- Internal-combustion engine. G. J. Rathbun. 1,748,145; Feb. 25.
- Internal-combustion engine. R. A. Reynolds. 1,781,704; Nov. 18.
- Internal-combustion engine. W. Riehm. 1,758,375; May 13.
- Internal-combustion engine. G. Riley. 1,770,111; July 8.
- Internal-combustion engine. W. S. Rohn. 1,757,815; May 6.
- Internal-combustion engine. D. G. Roos. 1,782,513; Nov. 25.
- Internal-combustion engine. A. O. A. Runge. 1,762,666; June 10.
- Internal-combustion engine. F. Sass and M. Krauss. 1,742,971; Jan. 7.
- Internal-combustion engine. D. P. Savage. 1,764,530; June 17.
- Internal-combustion engine. C. Schaer. 1,752,031; Mar. 25.
- Internal-combustion engine. E. Schäfer. 1,776,843; Sept. 30.
- Internal-combustion engine. J. Schaeffers. 1,777,478; Oct. 7.
- Internal-combustion engine. O. R. Schoenrock. 1,785,146; Dec. 16.
- Internal-combustion engine. F. Schwarz. 1,746,560; Feb. 11.
- Internal-combustion engine. W. E. Shore. Re17,565; Jan. 14.
- Internal-combustion engine. W. A. Sorg. 1,750,063; Mar. 11.
- Internal-combustion engine. B. C. Stickney. 1,753,159; Apr. 1.
- Internal-combustion engine. S. Suekoff. 1,759,425; May 20.
- Internal-combustion engine. J. J. Sullivan. 1,779,921; Oct. 28.
- Internal-combustion engine. S. W. Thompson. 1,748,254; Feb. 25.
- Internal-combustion engine. L. S. Tisdale. 1,784,712; Dec. 9.
- Internal-combustion engine. H. L. Tower. 1,771,552; July 29.
- Internal-combustion engine. N. Trbojevič. 1,747,091; Feb. 11.
- Internal-combustion engine. O. D. Treiber. 1,781,039; Nov. 11.
- Internal-combustion engine. C. P. Valdata and C. Garcia. 1,771,666; July 29.
- Internal-combustion engine. J. G. Vincent. 1,759,147; May 20.
- Internal-combustion engine. J. G. Vincent. 1,766,858; June 24.
- Internal-combustion engine. N. von Gribojedoff. 1,745,821; Feb. 4.
- Internal-combustion engine. F. Vorel. 1,764,480; June 17.
- Internal-combustion engine. R. Ware. 1,753,226; Apr. 8.
- Internal-combustion engine. C. T. Watts and F. N. Bay. 1,780,854; Nov. 4.
- Internal-combustion engine. R. Wehr. 1,758,242; May 13.
- Internal-combustion engine. W. J. Whatley. 1,752,713; Apr. 1.
- Internal-combustion engine. W. Wheeler. 1,742,228; Jan. 7.
- Internal-combustion engine. J. F. White. 1,780,454; Nov. 4.
- Internal-combustion engine. E. E. Wickersham. 1,781,090; Nov. 11.
- Internal-combustion engine. H. Wiley. 1,782,642; Nov. 25.
- Internal-combustion engine. H. Windhoff. 1,749,683; Mar. 4.
- Internal-combustion engine. L. M. Woolson. 1,755,942; Apr. 22.
- Internal-combustion engine. L. M. Woolson. 1,766,867-8; June 24.
- Internal-combustion engine. W. M. Zaikowsky. 1,781,146; Nov. 11.
- Internal-combustion engine. W. M. Zaikowsky. 1,781,148; Nov. 11.
- Internal-combustion engine, Air-cooled. H. A. Flogaus. 1,785,861; Dec. 23.
- Internal-combustion engine, Compression-ignition. A. F. Sanders. 1,787,326; Dec. 30.
- Internal-combustion engine, Double-acting. G. Ferguson. 1,776,895; Sept. 30.
- Internal-combustion engine, Four-cycle. F. J. Cox. 1,776,215; Sept. 16.
- Internal-combustion engine, High-compression. W. G. Gernandt. 1,762,295; June 10.
- Internal-combustion engine, Opposed-piston. F. C. Thomson. 1,746,876; Feb. 11.
- Internal-combustion engine, Rotary. T. A. Baker. 1,750,502; Mar. 11.
- Internal-combustion engine, Rotary. E. Ericsson. 1,766,248; June 24.
- Internal-combustion engine, Rotary. J. A. Grover. 1,748,568; Feb. 25.
- Internal-combustion engine, Rotary. C. W. Kempton. 1,779,547; Oct. 28.
- Internal-combustion engine, Rotary. E. A. Richardson. 1,767,097; June 24.
- Internal-combustion engine, Rotary. O. W. Schumann. 1,780,443; Nov. 4.
- Internal-combustion engine, Rotary. J. D. Winans. 1,759,028; May 20.
- Internal-combustion engine, Two-cycle. W. B. Chapman. 1,744,446; Jan. 21.
- Internal-combustion engine, Two-cycle. C. G. Curtis. 1,777,827; Oct. 7.
- Internal-combustion engine, Two-cycle. C. G. Curtis and E. R. Newton. 1,780,175; Nov. 4.
- Internal-combustion engine, Two-cycle. W. L. Galvin. 1,745,894; Feb. 4.
- Internal-combustion engine, Two-cycle. H. B. Greening. 1,781,009; Nov. 11.
- Internal-combustion engine, Two-cycle valveless. W. C. Martin. 1,764,329; June 17.
- Internal-combustion engine, Two-stroke. W. Tobler. 1,773,413; Aug. 19.
- Internal-combustion engine, Two-stroke. M. Trechsel. 1,744,249; Jan. 21.
- Internal-combustion engine, Two-stroke. W. Ulrich. 1,749,859; Mar. 11.
- Internal-combustion engine, Two-stroke-cycle. G. Boden. 1,760,737; May 27.
- Internal-combustion engine, Two-stroke-cycle. J. W. Robertson. 1,767,402; June 24.
- Internal-combustion engine, Variable-compression. S. S. Allwill. 1,754,410; Apr. 15.
- Internal-combustion engines, Governing. C. F. L. King. 1,773,076; Aug. 12.
- Internal-combustion motor. H. A. Cartwright. 1,762,214; June 10.
- Internal-combustion motor. W. Delfino. 1,762,614; June 10.
- Internal-combustion motor. L. Dufour. 1,746,768; Feb. 11.
- Internal-combustion motor. L. B. Harvey. 1,754,389; Apr. 15.
- Internal-combustion motor. H. J. Kratzer. 1,778,950; Oct. 21.
- Internal-combustion motor. J. A. Portis, jr. 1,764,467; June 17.
- Internal-expansion brake. G. H. Stoner. 1,786,461; Dec. 30.
- Interviewer. B. B. Breslow. 1,747,156; Feb. 18.
- Invalid table. L. W. Huntington. Des. 81,285; June 3.
- Iodine in iodine-containing mineral waters, Liberating. F. Ellinger. 1,775,897; Sept. 16.
- Iodine into pyridine derivatives, Introduction of. G. Kochendoerfer. 1,753,170; Apr. 1.
- Iodine, Recovering. C. W. Girvin. 1,774,882; Sept. 2.
- Ionic discharge device. S. Ruben. 1,747,648; Feb. 18.
- Iron: See—
- Branding iron.
 - Chair iron.
 - Curling iron.
 - Electric iron.
 - Gas iron.
 - Laundry iron.
 - Marceling iron.
 - Plaiting iron.
 - Pressing iron.
 - Soldering iron.
 - Steaming iron.
 - Waffle iron.

- Iron and steel articles and making the same, Coated. E. M. Jones. 1,750,270; Mar. 11.
- Iron and steel bars by electricity, Apparatus and method for forging and roughing out. E. Giacchino. 1,772,444; Aug. 5.
- Iron and steel, Refining. S. Westberg. 1,786,806; Dec. 30.
- Iron and steel, Treatment of. M. Hirsch. 1,772,866; Aug. 12.
- Iron and titanium compounds from titanium ores, Extraction of. D. Gardner and L. Taverner. 1,743,885; Jan. 14.
- Iron, Apparatus for desulphurizing cast. L. W., Spring. 1,785,503; Dec. 16.
- Iron, Apparatus for the electrodeposition of. R. D. Pike. 1,782,909; Nov. 25.
- Iron-beryllium alloys, Improvement of the properties. G. Masing and O. Dahl. 1,746,356; Feb. 11.
- Iron carbonyl compositions and their manufacture. A. Mittasch and M. Müller-Cunradi. 1,776,920; Sept. 30.
- Iron carbonyl, Manufacture of. A. Mittasch and C. Müller. 1,759,268; May 20.
- Iron carbonyl, Manufacture of. A. Mittasch and C. Müller. 1,783,744; Dec. 2.
- Iron compound from animal proteins and manufacture thereof. S. and T. Posternak. 1,743,004; Jan. 7.
- Iron compounds and the resulting product, Producing organic. H. Blumenberg, jr., and J. H. Blumenberg. 1,783,694; Dec. 2.
- Iron core for magnetic apparatus. K. Schmidt. 1,760,965; June 3.
- Iron core for the production of columns of braced reinforced concrete, Cast-. B. Bauer. 1,772,769; Aug. 12.
- Iron foils, Forming. J. R. Cain. 1,787,139; Dec. 30.
- Iron for boxes, Corner. R. M. Wildberg. 1,750,556; Mar. 11.
- Iron for tubular-steel derricks, Corner. C. H. Besse. 1,776,344; Sept. 23.
- Iron for walking beams, Dustproof center. W. C. Trout. 1,778,131; Oct. 14.
- Iron from its ores, Direct reduction of. S. L. Madorsky. 1,768,622; July 1.
- Iron from scrap, Making electrolytic. R. D. Pike. 1,751,099; Mar. 18.
- Iron-holder attachment for ironing boards. R. F. Polski. 1,768,712; July 1.
- Iron, Making electrolytic. R. D. Pike. 1,746,903; Feb. 11.
- Iron, Making electrolytic. R. D. Pike. 1,769,605; July 1.
- Iron, Manufacture of pure. A. Mittasch, C. Müller, and E. Linckh. 1,759,658; May 20.
- Iron, Manufacture of pure. A. Mittasch, C. Müller, and W. Schubardt. 1,759,659; May 20.
- Iron, Manufacture of stainless. W. M. Farnsworth. 1,744,374; Jan. 21.
- Iron of any desired structure, Producing cast. F. Greiner. 1,746,467; Feb. 11.
- Iron ores, Reduction of. W. E. Trent. 1,771,971; July 29.
- Iron or implement, Pressing. E. J. Clark. 1,766,602; June 24.
- Iron or steel, Carburizing of. R. G. Guthrie and O. J. Wozasek. 1,768,317; June 24.
- Iron or steel, Treatment of. K. B. Thews and J. S. Carlitz. 1,759,634-5; May 20.
- Iron ores in a direct way, Working up. P. H. Ledeboer. 1,759,753; May 20.
- Iron-oxide pigments, Production of. J. Laux. 1,774,930-2; Sept. 2.
- Iron, Production of pure. A. Mittasch, C. Müller, and E. Linckh. 1,759,660; May 20.
- Iron, Purifying pig. K. Hofmann. 1,782,923; Nov. 25.
- Iron refining. G. S. Evans. 1,759,347; May 20.
- Iron smelting. R. Franchot. 1,756,349; Apr. 29.
- Iron, steel, and other ferromagnetic materials, Apparatus for hardening products of. W. Heidenhain. 1,747,934; Feb. 18.
- Iron-supporting stand. W. B. Gervais. 1,743,850; Jan. 14.
- Iron, Treating malleable cast. C. E. Lauenstein and N. M. Waterbury. 1,760,239; May 27.
- Iron with box-shaped cross sections, Apparatus for the production of section. J. Meiser and W. Höhler. 1,779,185; Oct. 21.
- Iron with other metals and elements, Uniting of. W. H. Smith. 1,775,358; Sept. 9.
- Ironing and pressing apparatus, Laundry. A. H. Adams. 1,769,009; July 1.
- Ironing and pressing machine, Laundry. A. H. Adams. 1,769,010; July 1.
- Ironers, Automatic feeding device for flat-work. A. Matthews. 1,765,018; June 17.
- Ironing apparatus, Hat-brim. M. A. Weltzman. 1,745,520; Feb. 4.
- Ironing board. G. H. Bultman and J. C. Horgan. 1,763,089; June 10.
- Ironing board. E. J. Bloom. 1,774,079; Aug. 26.
- Ironing board. F. L. Ellis. 1,745,530; Feb. 4.
- Ironing board. A. M. Harvey. 1,782,421; Nov. 25.
- Ironing board. J. G. Haugh. 1,760,552; May 27.
- Ironing board. J. E. Kalgren. 1,748,956; Mar. 4.
- Ironing board. H. C. Morris. 1,785,280; Dec. 16.
- Ironing board. W. S. Petty. 1,770,889; July 15.
- Ironing board. R. F. Polski. 1,768,930; July 1.
- Ironing board. T. E. Pope. 1,761,583; June 3.
- Ironing board. W. G. Theobald. 1,746,621; Feb. 11.
- Ironing board. T. Wallace. 1,774,441; Aug. 26.
- Ironing board. L. E. Watts. 1,784,715; Dec. 9.
- Ironing board. A. J. Williams. 1,742,431; Jan. 7.
- Ironing board and breakfast table, Combination. A. Bragg. 1,752,226; Mar. 25.
- Ironing board and chair, Combined. W. P. Benk. 1,744,437; Jan. 21.
- Ironing board and table, Combined. W. Palmer. 1,783,051; Nov. 25.
- Ironing-board attachment. F. Pons and L. W. Wilson. 1,770,890; July 15.
- Ironing-board construction. J. P. Doman. 1,762,436; June 10.
- Ironing board, Door-concealed. B. J. Triller. 1,766,154; June 24.
- Ironing board, Portable. K. W. Cliff. 1,776,995; Sept. 30.
- Ironing-board structure. S. Madsen. 1,765,343; June 17.
- Ironing board, table, seat, and the like, Folding. J. J. Lyth. 1,768,413; June 24.
- Ironing boards, Attachment for. E. W. McIntire. 1,772,155; Aug. 5.
- Ironing device, Domestic continuous. J. Snider. 1,750,908; Mar. 18.
- Ironing machine. C. H. Boyuls. 1,763,597; June 10.
- Ironing machine. J. Gordon. 1,745,162; Jan. 28.
- Ironing machine. G. A. Piepenbring. 1,784,200; Dec. 9.
- Ironing machine. J. Prachar. 1,753,939; Apr. 8.
- Ironing machine. J. Prachar. 1,753,964; Apr. 8.
- Ironing machine. E. M. Richards. 1,771,818; July 29.
- Ironing machine. Le R. C. Schenck. 1,763,190; June 10.
- Ironing machine. H. O. Swoboda. 1,781,482; Nov. 11.
- Ironing machine. N. Troisi. 1,744,086; Jan. 21.
- Ironing machine. R. V. Weller. 1,767,863-5; June 24.
- Ironing-machine attachment. W. Warner. 1,765,040; June 17.
- Ironing machine, Laundry. S. H. Stoffel. 1,757,344; May 6.
- Ironing machine, Universal. J. Huebsch. 1,776,259; Sept. 23.
- Ironing roll. G. A. Munford. 1,751,876; Mar. 25.
- Ironing stand. S. S. Wefald. 1,769,558; July 1.
- Ironing table. J. E. Kalgren. 1,772,100; Aug. 5.
- Ironing table. G. W. Lewis. 1,770,856; July 15.
- Ironing table. R. A. Morrison and F. L. Oswald. 1,765,992; June 24.
- Ironing table. W. S. Petty. 1,770,802; July 15.
- Ironing table. J. Wallerstein. 1,755,617; Apr. 22.
- Ironing table. J. Wallerstein. 1,768,724; July 1.
- Ironing table, Folding. C. Danielson. 1,784,959; Dec. 16.
- Ironing table, Folding. J. P. Dorau. 1,762,962; June 10.
- Ironing table, Folding. C. A. Forney. 1,762,924; June 10.
- Irons and steels, Manufacture of. H. A. De Fries. 1,775,339; Sept. 9.
- Irons, Apparatus for bending angle. T. A. McDonnell. 1,773,430; Aug. 19.
- Irons, Attachment to electric. W. E. Belcher. 1,742,642; Jan. 7.
- Irons, Sole plate for laundry. M. W. McArdle. 1,749,596-7; Mar. 4.
- Irrigating apparatus. H. H. Enell. 1,781,751; Nov. 18.
- Irrigating apparatus, Colonic and vaginal. G. R. Pittam, T. B. Blevins, and B. F. Brandt. 1,758,332; May 13.
- Irrigating device. F. L. Lindhorst. 1,751,640; Mar. 25.
- Irrigating system. P. E. Erickson. 1,768,310; June 24.
- Irrigation pipe. H. F. Congable. 1,743,431; Jan. 14.
- Irrigator. M. A. Russow. 1,766,724; June 24.
- Irrigator, Manually-operated. B. Sjöström. 1,787,024; Dec. 30.
- Irrigator, Tree. E. A. Kanst. 1,778,030; Oct. 14.
- Isatins and preparing them, Substituted. K. Thiess, E. Runne, K. Moldaenke, and T. Meissner. 1,778,174; Oct. 14.
- Isonaphthridin, Manufacture of a compound of. C. Räch. 1,755,515; Apr. 22.
- Jack: See—
- | | |
|------------------------|----------------------|
| Adjustable jack. | Motor-operated jack. |
| Automobile jack. | Power-saving jack. |
| Car-door jack. | Pump jack. |
| Double-screw jack. | Pumping jack. |
| Electric jack. | Push and pull jack. |
| Hydraulic jack. | Rod-line jack. |
| Joist and rafter jack. | Roof jack. |
| Journal jack. | Sash jack. |
| Lasting jack. | Scaffold jack. |
| Latch jack. | Screw jack. |
| Lever-clamp jack. | Spring jack. |
| Lifting jack. | Track jack. |
| Lumber jack. | Window jack. |
- Jack. C. M. Banks. 1,774,693; Sept. 2.
- Jack. N. A. Boyette. 1,752,776; Apr. 1.
- Jack. J. M. Cantwell. 1,784,574; Dec. 9.
- Jack. F. H. Deal. 1,778,521; Oct. 14.
- Jack. A. Dickerson. 1,773,174; Aug. 19.
- Jack. L. J. Fuller. 1,763,144; June 10.
- Jack. A. W. Newman. 1,763,669; June 17.
- Jack. A. Peteler. 1,761,150; June 3.
- Jack. E. M. Pfauser. 1,751,056; Mar. 18.
- Jack. W. F. Resler. 1,743,005; Jan. 7.
- Jack. C. E. Rice. 1,742,559; Jan. 7.
- Jack. C. J. Rodman. 1,786,866; Dec. 30.

- Jack and clamp, Loading. F. H. Knapp. 1,783,294; Dec. 2.
- Jack and plug, Testing. R. W. Grace. 1,764,016; June 17.
- Jack and shock absorber, Combined four wheel. B. T. Wilkey. 1,760,891; June 3.
- Jack and shock absorber, Pneumatic. S. S. Udelewitz. 1,776,939; Sept. 30.
- Jack attachment for automobiles. F. T. Roberts, jr. 1,778,536; Oct. 14.
- Jack attachment for motor vehicles, Lifting-. H. Natrass. 1,769,534; July 1.
- Jack for coal-cutting machines and the like, Lifting. W. C. Black. 1,776,099; Sept. 16.
- Jack for container cars, Center. W. P. Kellett. 1,786,620; Dec. 30.
- Jack for container railway cars, Adjustable spring. W. P. Kellett. 1,786,495; Dec. 30.
- Jack for fence-wire stretchers. J. M. Boyer. 1,751,190; Mar. 18.
- Jack for motor vehicles and other vehicles, Lifting. M. Kruse. 1,774,926; Sept. 2.
- Jack switch. J. A. Stirling. 1,781,962; Nov. 18.
- Jacking of road vehicles. W. E. Evans. 1,750,584; Mar. 11.
- Jacking system, Hydraulic. M. J. Hatfield and E. W. Crabbe. 1,772,938; Aug. 12.
- Jacks, Adjustable base for automobile. A. F. Poehls. 1,782,313; Nov. 18.
- Jacks, Work-positioning device for wood-heel. W. H. Hall. 1,762,296; June 10.
- Jacket, Swimming. A. Tublolo. 1,754,342; Apr. 15.
- Jacketed mold. R. W. Brown. 1,745,146; Jan. 28.
- Jackets to press cylinders, Method of and apparatus for attaching. F. S. English. 1,742,308; Jan. 7.
- Jacquard mechanism. G. Hunter. 1,750,670; Mar. 18.
- Jail. D. F. Youngblood. 1,785,469; Dec. 16.
- Jamb, Adjustable door. W. P. Bright. 1,750,921; Mar. 18.
- Jamb section. A. L. Abbott. 1,781,488; Nov. 11.
- Jar: See—
- Acid jar. Drilling or fishing jar.
- Display jar. Rotary jar.
- Drill jar. Fruit or preserve jar.
- Jar. H. A. Barnby. Des. 82,126; Sept. 30.
- Jar. W. L. Church and W. L. Pearce. 1,747,020; Feb. 11.
- Jar. E. W. Fuerst. Des. 82,372; Oct. 28.
- Jar. E. W. Fuerst. Des. 82,881; Dec. 23.
- Jar. E. W. Fuerst. Des. 82,933; Dec. 30.
- Jar. S. Ross. Des. 81,207; May 20.
- Jar cover or similar article. W. A. Boyd. Des. 80,996; Apr. 22.
- Jar cover, Vacuum fruit-. D. Killen. 1,773,311; Aug. 19.
- Jar-cover remover and fastener. J. Lotz. 1,752,189; Mar. 25.
- Jar-down spear. A. F. Brown. 1,751,790; Mar. 25.
- Jar or similar article. E. Frank. Des. 81,439; June 24.
- Jar or similar container. J. A. Carr. Des. 80,777; Mar. 25.
- Jar or similar container. E. Cohn. Des. 81,627; July 22.
- Jar or similar container. W. D. Teague. Des. 80,917-18; Apr. 8.
- Jar or similar container. W. D. Teague. Des. 81,167; May 13.
- Jar or similar container. W. D. Teague. Des. 81,602; July 15.
- Jar or similar container. W. D. Teague. Des. 82,192; Sept. 30.
- Jar or similar receptacle. N. R. Andrews. Des. 80,933; Apr. 15.
- Jar or similar receptacle. F. Kayan. Des. 82,376; Oct. 28.
- Jar, Shaving-cream. E. M. McNally. Des. 81,937; Sept. 2.
- Jarring machine. E. B. Brooke. 1,785,998; Dec. 23.
- Jars, Method of forming securing means on the rims of. H. F. Coors. 1,771,618; July 29.
- Jellifying substances, Producing. H. G. Loesch. 1,776,362; Sept. 23.
- Jersey, Padded football. R. D. Evans. 1,777,878; Oct. 7.
- Jet control device, Double-. J. Mugler. 1,776,817; Sept. 30.
- Jewelry. J. Kreisler. 1,784,635; Dec. 9.
- Jewelry box. R. M. Dugdale. 1,778,212; Oct. 14.
- Jewelry box. H. J. Farrington. 1,775,516; Sept. 9.
- Jewelry box. J. R. Sundee. 1,778,406; Oct. 14.
- Jewelry box. R. J. Warner. 1,769,247; July 1.
- Jewelry case. W. R. Dugdale. 1,769,827; July 1.
- Jewel case. J. B. Holden. 1,755,063; Apr. 15.
- Jewelry clasp, Costume. M. Lucomlin. 82,429; Nov. 4.
- Jewelry elements, Apparatus for perforating. R. Anderson. 1,764,924; June 17.
- Jewelry, Metal unit for. F. W. Rettenmeyer. Des. 80,741; Mar. 18.
- Jewelry, Ornamented. J. Schumer. 1,785,364; Dec. 16.
- Jewelry pin, tongue, and catch. A. I. Rosenblatt and G. H. Webb. 1,763,933; June 17.
- Jewels, Examination of. H. Michel and G. Riedl. 1,744,485; Jan. 21.
- Jig. A. R. Chase. 1,769,287; July 1.
- Jig. E. Henriksen. 1,769,644; July 1.
- Jig, Drilling. H. Deutsch. 1,776,351; Sept. 23.
- Jig for forming closely-spaced holes. G. W. Booth. 1,776,537; Sept. 23.
- Jig for last-drilling machines. F. E. Bertrand. 1,770,022; July 8.
- Jig device. G. E. Swartz. 1,742,224; Jan. 7.
- Jigger for use in the manufacture of articles from plastic materials. W. J. Miller. 1,750,762; Mar. 18.
- Jigging mechanism. M. J. Lide. 1,745,305; Jan. 28.
- Joining dissimilar bodies. E. A. Werner. 1,768,180; June 24.
- Joining means. F. R. Eaglesfield. 1,768,584; July 1.
- Joint: See—
- Ankle joint. Metallic joint.
- Artificial-foot joint. Miter joint.
- Artificial-limb joint. Oscillating joint.
- Back-pressure joint. Paving joint.
- Ball joint. Pipe joint.
- Ball-and-socket joint. Pipe expansion joint.
- Brake joint. Pivot joint.
- Cable joint. Rail joint.
- Concrete joint. Railroad-track joint.
- Contraction joint. Rod joint.
- Culvert joint. Ship-lap joint.
- Electrode joint. Splice joint.
- Expansion joint. Steam joint.
- Flexible joint. Steel joint.
- Foot-rest joint. Strapping joint.
- Furniture joint. Structural joint.
- Hinged joint. Tank expansion joint.
- Insulating joint. Tube joint.
- Insulator-bushing joint. Universal joint.
- Lock joint. Welded joint.
- Metal joint.
- Joint. E. W. Davis. 1,762,548; June 10.
- Joint. E. J. Hayman. 1,780,232; Nov. 4.
- Joint. I. K. Jellers. 1,779,499; Oct. 28.
- Joint. J. T. Kelly. 1,781,848; Nov. 18.
- Joint. H. C. Lord. 1,748,486; Feb. 25.
- Joint and connection. G. T. Thurneysen. 1,775,218; Sept. 9.
- Joint and making the same. D. M. Boothman and J. A. Cullerton. 1,776,615; Sept. 23.
- Joint and making the same, Contraction-expansion. T. C. Crowley. 1,769,208; July 1.
- Joint and making the same, Structural. H. H. Moss. 1,760,883; June 3.
- Joint bar and blank, Bulldozed compromise. D. L. Braine. 1,756,338; Apr. 29.
- Joint construction. R. E. Dill. 1,762,713; June 10.
- Joint construction. J. Vaaler. 1,753,487; Apr. 8.
- Joint construction, Universal-. H. T. Thomas. 1,746,325; Feb. 11.
- Joint coupling, Swing-. C. J. Muend. 1,765,693; June 24.
- Joint-filling machine. J. N. Heltzel. 1,750,104; Mar. 11.
- Joint for artificial limbs. W. H. Wambsgans. 1,760,800; May 27.
- Joint for braces and the like, Folding. H. J. Gilbert. 1,785,342; Dec. 16.
- Joint for cables. A. O. Austin. 1,773,715; Aug. 26.
- Joint for cable sheaths, Insulating. E. D. Eby. 1,760,546; May 27.
- Joint for concrete pipe. B. B. Boyd. 1,745,290; Jan. 28.
- Joint for concrete slabs. B. F. Friberg. 1,768,555; July 1.
- Joint for conductor cables. A. O. Austin. 1,773,716; Aug. 26.
- Joint for conduits. W. C. Parmley. 1,774,664; Sept. 2.
- Joint for covered conductors. A. O. Austin. 1,773,713; Aug. 26.
- Joint for electrical conductors, Slide. A. B. Dlbner. 1,759,567; May 20.
- Joint for high-voltage single-conductor cables. D. C. Ober and A. R. Askue. 1,775,776; Sept. 16.
- Joint for molds operating by centrifugal force. P. Ferrier. 1,784,344; Dec. 9.
- Joint for motor-driven vehicles, Universal. W. H. Roderick. 1,777,895; Oct. 7.
- Joint for multiple-conductor cables. A. O. Austin. 1,779,415; Oct. 28.
- Joint for multiple-conductor high-tension cables. A. O. Austin. 1,779,416; Oct. 28.
- Joint for oil-filled cables and building it. K. W. Miller. 1,776,127; Sept. 16.
- Joint for pin stems. A. E. Waller. 1,771,155; July 22.
- Joint for pipe couplings, Universal. O. P. Erickson. 1,782,062; Nov. 18.
- Joint for pipes and tubes. J. Lenté. 1,777,977; Oct. 7.
- Joint for rotatable bodies, Expansion. C. E. Greene. 1,744,467; Jan. 21.
- Joint for rotary well-drilling columns, Stress and strain compensating. A. J. Ponti. 1,785,559; Dec. 16.
- Joint for shock absorbers, Universal. W. A. Chryst. 1,766,880-1; June 24.
- Joint for steering mechanisms. H. Knight. 1,757,871; May 6.
- Joint for structural shapes and making the same. H. H. Moss. 1,760,955; June 3.
- Joint for the springs of automobile, Cushion. H. S. Powell. 1,772,730; Aug. 12.
- Joint for trunk lids and the like, Waterproof. O. Berger-Stalder. 1,772,981; Aug. 12.
- Joint installing device, Expansion-. J. B. Huntington. 1,768,689-90; July 1.
- Joint lubrication, Trunnion-. J. Bijur. 1,744,155; Jan. 21.
- Joint mechanism. H. C. Lord. 1,778,197; Oct. 14.
- Joint or bearing, Self-aligning spherical. H. R. Ricardo. 1,751,357; Mar. 18.

- Joint, pipe, and its manufacture, Rigid. F. Figari. 1,759,780; May 20.
- Joint-producing machine. J. N. Heltzel. 1,750,107; Mar. 11.
- Joint structure, Burned or puddled. B. Ford. 1,764,617; June 17.
- Joint structure for electrical conductors. A. B. Saurman, J. B. Webb, and L. D. Beach. 1,769,967; July 8.
- Jointed clip. C. P. Nourse. 1,751,352-3; Mar. 18.
- Joints in composite surfaces, Concealing the visibility of. C. W. Morden. 1,773,695; Aug. 19.
- Joints, Method and apparatus for making. J. Cunningham. 1,751,510; Mar. 25.
- Joist and rafter jack. W. S. Kirkpatrick. 1,775,465; Sept. 9.
- Joist and the manufacture thereof. R. A. Bates. 1,748,628; Feb. 25.
- Joist and the manufacture thereof. R. A. Bates. 1,763,944; June 17.
- Joist and the manufacture thereof, Metal. A. J. Bates, jr. 1,763,943; June 17.
- Joist bearing plate and anchor. J. G. Shodron. 1,782,216; Nov. 18.
- Joist hanger, Concrete form. A. MacDonald. 1,757,321; May 6.
- Joist hanger and tie, Combination. F. N. Ropp. 1,785,790-1; Dec. 23.
- Joist, Structural-steel truss. R. M. Frandsen. 1,776,467; Sept. 23.
- Jordan engine. E. A. Jones. 1,774,556; Sept. 2.
- Jordan plug. B. Buehler. 1,780,863; Nov. 4.
- Journal and guide bracket. O. E. Pease and N. G. Joseph. 1,760,772; May 27.
- Journal-bearing seal. C. C. Spreen. 1,780,248-9; Nov. 4.
- Journal box. D. S. Barrows. 1,749,095; Mar. 4.
- Journal box. D. S. Barrows. 1,782,055; Nov. 18.
- Journal box. J. R. Fleming. 1,743,269; Jan. 14.
- Journal box. M. L. Harger. 1,764,017; June 17.
- Journal box. I. C. Jennings. 1,778,258; Oct. 14.
- Journal box. B. W. Kadel. 1,775,903; Sept. 16.
- Journal box. P. B. Liebermann. 1,781,235; Nov. 11.
- Journal Box. P. B. Liebermann. 1,785,032; Dec. 16.
- Journal box. M. Wickizer. 1,764,541; June 17.
- Journal-box and car-frame support. R. J. Brittain, jr. 1,745,319; Jan. 28.
- Journal-box and car-frame support. R. J. Brittain, jr. 1,745,321-2; Jan. 28.
- Journal-box and frame connection. R. J. Brittain, jr. 1,781,213; Nov. 11.
- Journal-box and side-frame support. R. J. Brittain, jr. 1,745,320; Jan. 28.
- Journal box, Automatically-lubricating. M. F. Baur. 1,786,104; Dec. 23.
- Journal-box construction. H. C. Dreibus. 1,749,759; Mar. 11.
- Journal-box cushion. R. J. O'Brien. 1,763,982; June 17.
- Journal box, Locomotive. G. M. Stone and G. W. Cuyler. 1,767,411; June 24.
- Journal-box lubricator. H. W. Coddington and H. F. Cuning. 1,757,619; May 6.
- Journal-box mounting. G. E. Edmunds. 1,754,744; Apr. 15.
- Journal box, Multiplane. E. H. Lichtenberg and R. W. Pearson. 1,770,174; July 8.
- Journal box, Railway-car. F. Maxant. 1,784,069; Dec. 9.
- Journal box, Roller-bearing. O. F. Packer. 1,768,925; July 1.
- Journal-box waste, Cleaning. J. R. Hiatt and C. R. Wicker. 1,771,848; July 29.
- Journal boxes, Reconstructing locomotive driving. D. H. French. 1,748,926; Feb. 25.
- Journal boxes, Waste retainer for. H. Cook. 1,746,461; Feb. 11.
- Journal for pulverizing rollers. W. Vogel. 1,772,120; Aug. 5.
- Journal jack. H. J. Smith. 1,781,136; Nov. 11.
- Journal lubricator. G. P. Carr. 1,768,114; June 24.
- Journal, Roller. M. Frisch. 1,755,250; Apr. 22.
- Jug. B. H. Wilson. Des. 82,637; Nov. 25.
- Juice extractor. B. R. Deleray. 1,762,855; June 10.
- Juice extractor. F. H. Kreuter. 1,756,250; Apr. 29.
- Juice extractor. R. C. Morris. 1,747,641; Feb. 18.
- Juice extractor. C. Meyer. Re17,893; Dec. 2.
- Juice extractor and strainer, Fruit-. C. S. Glenn. 1,751,627; Mar. 25.
- Juice extractor, Fruit-. C. E. Elliott and L. O. Nichols. 1,743,661; Jan. 14.
- Junction box. M. J. Fox. 1,761,203; June 3.
- Junction box for high-tension electric cables. C. F. Proos. 1,780,686; Nov. 4.
- Junction-box outlet. C. H. Wallace. 1,779,924; Oct. 28.
- Keel for submarines, Drop. J. Plum. 1,764,979; June 17.
- Keg-impregnating device, etc. C. Field. 1,751,140; Mar. 18.
- Keg or paint-pail closure, Lead-. G. C. Reid. 1,773,278; Aug. 19.
- Kerf cutter for mining apparatus. E. C. Morgan. 1,755,700; Apr. 22.
- Keten, Production of a. H. Dreyfus. 1,773,970; Aug. 26.
- Keto compounds, Reducing organic. E. Münch. 1,784,379; Dec. 9.
- Ketone-formaldehyde condensation products, Polymerization of. C. E. Burke. 1,755,099; Apr. 15.
- Ketones of the aromatic series and making same, Cyclic. F. Mayer, K. Billig, K. Horst, and K. Schirmacher. 1,754,031; Apr. 8.
- Ketones, Production of. B. K. Brown. 1,757,830; May 6.
- Kettle base. J. T. and G. Finnely. 1,744,460; Jan. 21.
- Kettle, Water. E. C. Lawson. Des. 82,567; Nov. 18.
- Ketonic compound and preparing it, Cyclic. H. Greune. 1,759,111; May 20.
- Key: See—
- Bearing key. Grate key.
- Construction key. Manual key.
- Key action for typewriters and other machines. O. U. Desha. 1,760,269; May 27.
- Key action for typewriters and other machines. O. U. Desha. 1,765,061; June 17.
- Key and dial lock, Combination. J. Zapert. 1,752,407; Apr. 1.
- Key bolt. R. H. Peters. 1,776,007; Sept. 16.
- Key bolt, Burglarproof. C. L. Phillips. 1,786,221; Dec. 23.
- Keyboard and staff reader. D. Miller. 1,768,706; July 1.
- Keyboard cam roll. A. H. Narrow. 1,782,694; Nov. 25.
- Keyboard, Imitation. O. McConathy. 1,745,225; Jan. 28.
- Keyboard music instrument. M. Stoeher. 1,775,330; Sept. 9.
- Keyboard operator. L. W. Langford. 1,753,991; Apr. 8.
- Keyboard, Transposing. H. Kinney. 1,743,457; Jan. 14.
- Key bolts, Manufacture of. J. P. and R. V. Northey. 1,761,581; June 3.
- Key case. J. Brewer. 1,756,627; Apr. 29.
- Key case. R. H. Ingersoll, C. S. Smith, and F. C. Leubuscher. 1,742,915; Jan. 7.
- Key case. C. Lorber. 1,752,444; Apr. 1.
- Key case. J. A. Parrella. Des. 82,846; Dec. 16.
- Key case. C. M. Ragsdale. 1,766,801; June 24.
- Key case with sliding hangers. C. Lorber. 1,745,022; Jan. 28.
- Key-controlled machines, Correction mechanism for. W. S. Gubelmann. 1,742,533; Jan. 7.
- Key-cutting machine. M. Falk. 1,750,218; Mar. 11.
- Key-cutting machine. B. S. Williams. 1,775,921; Sept. 16.
- Key-duplicating machine, Automatic. A. H. Roos. 1,746,499; Feb. 11.
- Key duplicator. E. Johnson. 1,752,668; Apr. 1.
- Key-ejector mechanism. A. E. Miller and C. H. Johnson. 1,745,836; Feb. 4.
- Key for collapsible folding tubes. E. L. Rostiser. 1,770,946; July 22.
- Key for cylinder locks, Master. M. Falk. 1,782,464; Nov. 25.
- Key for opening shoe-polish boxes, Magnetic. J. J. Byberg. 1,769,415; July 1.
- Key guard. T. W. Kuper. 1,761,131; June 3.
- Key-holding device. V. J. McCaul. 1,777,929; Oct. 7.
- Key-imprisoning lock. C. N. Fairchild. 1,762,921; June 10.
- Keyless lock. J. Recker. 1,782,212; Nov. 18.
- Key machine. H. Beisser. 1,742,631; Jan. 7.
- Key mechanism for key-controlled machines. W. S. Gubelmann. 1,742,524; Jan. 7.
- Key-operating arrangement for short-wave tube transmitters. W. Moser and E. Tod. 1,786,257; Dec. 23.
- Key, Organ stop. E. Verlinden. 1,775,260; Sept. 9.
- Key pad for wind musical instruments. E. J. Gulick. 1,747,113; Feb. 11.
- Key, pencil sharpener, and cigar clipper, Combination. W. Harasimiak. 1,776,283; Sept. 23.
- Key-placing apparatus for tin cans. G. A. and G. V. Bardet. 1,745,889; Feb. 4.
- Key, Positively-locked coupler cross. A. P. Householder and H. M. Kelly. 1,753,292; Apr. 8.
- Key retainer, Draft-rigging. G. Q. Lewis. 1,763,975; June 17.
- Key to cams, Attachment of. C. Stollberg. 1,754,447; Apr. 15.
- Keys for railway draft rigging, Manufacturing. B. W. Kadel. 1,748,294; Feb. 25.
- Kiln. M. L. Mueller. 1,757,647; May 6.
- Kiln. H. M. Robertson. 1,773,011; Aug. 12.
- Kiln. J. A. Worden. 1,783,030; Nov. 25.
- Kiln and drying lumber, Progressive dry. J. B. Welch. 1,753,974; Apr. 8.
- Kiln and operating same, Tunnel. F. A. J. Fitz Gerald and J. Kelleher. 1,749,762; Mar. 11.
- Kiln bottom. L. D. S. Klotz. 1,764,025; June 17.
- Kiln, Brick. D. J. Strickland. 1,772,404; Aug. 5.
- Kiln, Burning. G. H. Garrison. 1,767,281; June 24.
- Kiln-car top. H. L. Pearson. 1,777,856; Oct. 7.
- Kiln, Continuous. C. B. Winzer. 1,749,866; Mar. 11.
- Kiln, Dry. F. M. Creighton. 1,777,255; Sept. 30.
- Kiln, Dry. R. De Reytere. 1,742,586; Jan. 7.
- Kiln, Dry. M. B. Hall. 1,757,629; May 6.
- Kiln, Drying. J. F. Cobb. 1,754,351; Apr. 15.
- Kiln, Drying. M. L. Mueller. 1,774,208; Aug. 26.
- Kiln, Electrically-heated. B. J. Moore and A. J. Campbell. 1,776,321; Sept. 23.
- Kiln for manufacture of fused cement. A. Bauchère and G. Arnou. 1,758,778; May 13.
- Kiln, Heat-treatment. H. G. Lykken. 1,760,244; May 27.
- Kiln-heating means. P. d'H. Dressler. 1,744,453; Jan. 21.
- Kiln, Lumber-drying. M. L. Mueller. 1,773,744; Aug. 26.
- Kiln roller. O. E. Larson. 1,752,675; Apr. 1.
- Kiln, Rotary. R. W. P. Horn and J. H. Nissley. 1,779,626; Oct. 28.

- Kiln, Rotary. R. D. Pike. 1,766,453; June 24.
 Kiln, Rotary cement-burning. A. V. Jensen. 1,781,845; Nov. 18.
 Kiln, Spall-burning. M. E. Squire. 1,783,632; Dec. 2.
 Kiln, Tunnel. O. L. Barnebey. 1,778,747; Oct. 21.
 Kiln, Tunnel. A. M. Duckham. 1,780,119; Oct. 28.
 Kiln, Tunnel. T. Larsson. 1,763,624; June 10.
 Kiln, Tunnel. P. A. Meehan. 1,764,460; June 17.
 King-pin-testing appliance. I. A. Weaver. 1,761,163; June 3.
 Kinetograph. D. J. Morton. 1,773,113; Aug. 19.
 Kil. H. P. Shriver. 1,766,553; June 24.
 Kit, Artist's. E. Fahr. 1,758,223; May 13.
 Kit box. N. Simos. 1,758,338; May 13.
 Kit, Condenser. W. Dubilier. 1,768,440; June 24.
 Kit, Drawing. J. B. Swift. 1,751,868; Mar. 18.
 Kit, Lamp-bulb. F. W. C. Neuner. 1,779,631; Oct. 28.
 Kit, Lunch. H. Hermani. 1,748,841; Feb. 25.
 Kit, Lunch. H. Weber. 1,772,330; Aug. 5.
 Kit or a similar article, Lunch. W. J. Seyfferle. Des. 81,668; July 22.
 Kit, Printing. L. Melind. 1,759,016; May 20.
 Kit, Shoe-polishing. A. Fear. 1,765,065; June 17.
 Kit, Tool. D. L. Rankin. 1,761,453; June 3.
 Kitchen and camp implement. B. H. Smith. 1,754,968; Apr. 15.
 Kitchen and table article. E. B. Goodfellow. 1,744,883; Jan. 28.
 Kitchen, Army traveling. A. Carpineti. 1,745,980; Feb. 4.
 Kitchenette and the like, Portable. A. Moser. 1,747,877; Feb. 18.
 Kite. A. B. Cabrera. 1,781,662; Nov. 11.
 Kite. H. De Haven. 1,744,529; Jan. 21.
 Kite. N. Gambito and D. Sumabat. 1,762,551; June 10.
 Kite. C. Nagy. 1,782,858; Nov. 25.
 Kite. E. B. Wilder. 1,782,557; Nov. 25.
 Kite apparatus. O. E. Johnson. 1,746,157; Feb. 4.
 Kneading and mixing machine, particularly for pastelike goods. F. Aeschbach. 1,756,078; Apr. 29.
 Kneading and mixing machines, Device for tilting troughs of dough. F. Aeschbach. 1,775,220; Sept. 9.
 Kneading and mixing, Method of and apparatus for. C. E. Dellenbarger. 1,777,294; Oct. 7.
 Knee pad. R. Matheson. 1,753,055; Apr. 1.
 Knee pad. J. E. Shotwell. 1,785,213; Dec. 16.
 Knee pad, Resilient. J. E. Shotwell. 1,761,093; June 3.
 Kneeling pad. W. Holmes. 1,753,606; Apr. 8.
 Knife. F. O. Hult. 1,746,116; Feb. 4.
 Knife, Adjustable slicing. R. P. A. Andersson. 1,760,575; May 27.
 Knife and cigar-box opener, Combined. S. M. J. Jacobs. Des. 82,220; Oct. 7.
 Knife and corer, Paring. P. Higgins. 1,745,675; Feb. 4.
 Knife and scissors, Combination. B. F. Court. 1,771,031; July 22.
 Knife attachment. J. De Bracht. 1,750,577; Mar. 11.
 Knife, Channeling. W. S. Shaft. 1,752,113; Mar. 25.
 Knife, Cigar. F. W. Salmar. 1,787,396; Dec. 30.
 Knife construction. J. S. Stringfellow. 1,749,236; Mar. 4.
 Knife, Culinary. C. H. Boyle. 1,757,073; May 6.
 Knife, Electrician's safety. H. E. Crum. 1,748,637-8; Feb. 25.
 Knife, Flat drop. B. F. Grennan. 1,760,405; May 27.
 Knife for looms, Lock. H. Langford. 1,771,565; July 29.
 Knife for sawmill hogs, Anvil. S. L. Austin. 1,769,329; July 1.
 Knife for treating leather, Whitening. H. Will. 1,766,159; June 24.
 Knife for use in wells. F. J. Hinderliter. 1,776,026; Sept. 16.
 Knife from paper-cutting machines, Facilitating the application to or removal of the. H. S. Williams. 1,743,946; Jan. 14.
 Knife guard. P. D. Callum. 1,784,334; Dec. 9.
 Knife-handle. O. Altenbach. 1,755,946; Apr. 22.
 Knife handle. P. D. Callum. 1,754,543; Apr. 15.
 Knife or the like, Printing-ink. G. B. McCormack. 1,746,005; Feb. 4.
 Knife rack. L. B. Timmons. 1,746,503; Feb. 11.
 Knife, Roller. I. A. Newsbaum. 1,758,328; May 13.
 Knife, Sheep. J. L. King and R. L. Vancil. 1,749,288; Mar. 4.
 Knife, Shingle-cutting. D. Stinger. 1,751,563; Mar. 25.
 Knife, Surgeon's. M. B. Behrman. 1,751,227; Mar. 18.
 Knife, Surgeon's. M. B. Behrman. 1,776,248; Sept. 23.
 Knife, Surgeon's. N. Seaholm. 1,754,650; Apr. 15.
 Knife, Surgical. H. R. Shearer. 1,744,583; Jan. 21.
 Knife switch. O. Morger. 1,748,724; Feb. 25.
 Knife switch, Double-throw. H. J. Hammerly. 1,774,479; Aug. 26.
 Knife, Table. S. L. Hansen. Des. 81,977; Sept. 9.
 Knife, Vegetable. J. Northcutt. 1,761,639; June 3.
 Knife, Veneer. A. D. Basinger. 1,758,423; May 13.
 Knitted fabric. A. M. Auggstein. Des. 81,270; June 3.
 Knitted fabric. M. B. Goldberg. 1,787,264; Dec. 30.
 Knitted fabric. O. Nuber. 1,766,349; June 24.
 Knitted fabric. H. Rubenstein. 1,755,968; Apr. 22.
 Knitted fabric. M. Schreiber. Des. 81,208-9; May 20.
 Knitted fabric. D. H. Young. 1,759,561; May 20.
 Knitted fabric and producing the same. J. A. Flirsching. 1,749,245; Mar. 4.
 Knitted fabric, Plated. C. B. Gallagher. 1,744,219; Jan. 21.
 Knitted frames, Producing stockings on flat. C. Hilscher. 1,743,347; Jan. 14.
 Knitted pile fabric. D. P. Moore. 1,744,327; Jan. 21.
 Knitted webs, Mechanism for transferring. L. N. D. Williams. 1,743,947-8; Jan. 14.
 Knitter, Runner. E. J. Gearhart. 1,777,610; Oct. 7.
 Knitting apparatus, Warp-. P. N. Newman. 1,748,495; Feb. 25.
 Knitting board. C. La Croix. 1,776,561; Sept. 23.
 Knitting frame, Flat-. R. Graeber. 1,749,479; Mar. 4.
 Knitting frame, Flat-. M. Lohs. 1,770,578; July 15.
 Knitting implement. M. J. Nevins. 1,744,240; Jan. 21.
 Knitting machine. A. L. Alderfer and S. Stora. 1,748,322; Feb. 25.
 Knitting machine. E. U. Ames. Re17,705; June 17.
 Knitting machine. E. U. Ames. 1,780,328; Nov. 4.
 Knitting machine. W. W. Burson. 1,747,464; Feb. 18.
 Knitting machine. T. S. Grieve. 1,778,974; Oct. 21.
 Knitting machine. H. H. Holmes. 1,776,809; Sept. 30.
 Knitting machine. K. Howie. 1,784,186; Dec. 9.
 Knitting machine. A. Landry. Re17,608; Mar. 4.
 Knitting machine. J. L. Le Gorre. 1,782,007; Nov. 18.
 Knitting machine. H. G. and G. B. Leyton. 1,780,831; Nov. 4.
 Knitting machine. M. C. Miller. 1,742,925; Jan. 7.
 Knitting machine. M. C. Miller. 1,744,789; Jan. 28.
 Knitting machine. M. C. Miller. 1,786,255; Dec. 23.
 Knitting machine. F. J. Moloney. 1,751,940; Mar. 25.
 Knitting machine. F. Pilkington. 1,775,497; Sept. 9.
 Knitting machine. H. D. Sampey. 1,775,032; Sept. 2.
 Knitting machine. J. L. Sutphen. 1,783,202; Dec. 2.
 Knitting machine. L. N. D. Williams. 1,743,699; Jan. 14.
 Knitting machine, Circular-. J. H. G. Bayles. 1,782,161; Nov. 18.
 Knitting machine, Circular-. P. A. Bentley. 1,759,295; May 20.
 Knitting machine, Circular-. P. A. Bentley, C. F. Banger, and C. H. Wainwright. 1,769,662; July 1.
 Knitting machine, Circular-. C. W. Diffenderfer. 1,748,946; Mar. 4.
 Knitting machine, Circular-. F. L. Elliott. 1,754,151; Apr. 8.
 Knitting machine, Circular-. T. S. Grieve. 1,770,469; July 15.
 Knitting machine, Circular-. T. S. Grieve. 1,782,298; Nov. 18.
 Knitting machine, Circular-. H. E. Houseman. 1,769,580; July 1.
 Knitting machine, Circular-. R. G. Jennings. 1,742,255; Jan. 7.
 Knitting machine, Circular-. N. D. Lansdown. 1,780,756; Nov. 4.
 Knitting machine, Circular-. H. Swinglehurst. 1,768,644; July 1.
 Knitting machine, Flat-. E. O. Nebel. 1,770,859; July 15.
 Knitting machine, Full-fashioned-. K. Howie. 1,754,680-2; Apr. 15.
 Knitting machine, Rib-. K. Howie. 1,745,678; Feb. 4.
 Knitting machine, Straight-. P. Lieberknecht. 1,760,703; May 27.
 Knitting machine, Straight-frame. F. Israelson. 1,780,975; Nov. 11.
 Knitting machines and the like, Electric stop mechanism for. J. Wachsmann. 1,784,560; Dec. 9.
 Knitting machines, Attachment for flat. R. E. Schletter. 1,752,206; Mar. 25.
 Knitting machines, Attachment for spring-beard. P. G. Perkins. 1,758,716; May 13.
 Knitting machines clean, Keeping. O. Selfert. 1,752,207; Mar. 25.
 Knitting machines, Detector mechanism for. R. G. Jennings. 1,784,446; Dec. 9.
 Knitting machines, Electric stop mechanism and contact ring for circular-. J. Wachsmann. 1,775,298; Sept. 9.
 Knitting machines, High-splice attachment for circular. E. E. Paquette. 1,771,344; July 22.
 Knitting machines, Loop-cutting attachment for circular spring-beard. L. F. and J. J. McKenna. 1,767,687; June 24.
 Knitting machines, Master testing card for jacquard. F. Hug. 1,753,343; Apr. 8.
 Knitting machines, Needle cylinder for circular-. G. W. Kappes. 1,758,079; May 13.
 Knitting machines, Pattern mechanism for automatic. H. Swinglehurst. 1,774,408; Aug. 26.
 Knitting machines, Shock-absorbing carrier-rod stop mechanism for full-fashioned-. C. F. Meyer and G. Bitzer. 1,750,017; Mar. 11.
 Knitting machines, Spool support for. S. R. Shelmire. 1,777,681; Oct. 7.
 Knitting machines, Spring-bar-operating mechanism for full-fashioned. M. Zwicky. 1,761,381; June 3.
 Knitting machines, Striping attachment for circular spring-beard needle. J. W., and F. Tait, jr. 1,763,378; June 10.
 Knitting machines, Stop motion for. D. F. Sullivan. 1,782,550; Nov. 25.
 Knitting machines, Yarn-controlling mechanism for. R. H. Lawson and A. N. Cloutier. 1,757,434; May 6.
 Knitting machines, Yarn-feeding mechanism for. M. C. Miller. 1,745,943; Feb. 4.

- Knitting machines, Yarn-changing mechanism for circular. H. E. Houseman. 1,769,579; July 1.
- Knitting machines, Yarn-feeding means for circular. T. S. Grieve. 1,782,299; Nov. 18.
- Knitting machines, Yarn-sinking apparatus for. H. McAdams. 1,787,010; Dec. 30.
- Knitting needle. R. K. Hohmann. 1,764,406; June 17.
- Knitting plated fabric. H. E. Houseman. 1,750,007; Mar. 11.
- Knob. H. J. Kasch. Des. 82,827; Dec. 16.
- Knob. W. E. McCullough. 1,755,301; Apr. 22.
- Knob. J. G. Swanson. 1,746,059; Feb. 4.
- Knob and latch, Combined. F. Netschert. 1,750,812; Mar. 18.
- Knob-attaching device. O. B. Will. 1,759,771; May 20.
- Knob for furniture. A. L. Birdsall. 1,759,087; May 20.
- Knob for radiodials. J. Geloso. Des. 80,612; Mar. 4.
- Knob, Pull. C. H. and G. J. Overmyer. Des. 82,579; Nov. 18.
- Knob, Switch. T. L. Parker. 1,769,543; July 1.
- Knockdown chair. W. S. Allen. 1,776,534; Sept. 23.
- Knockdown fight ring. L. Barnes. 1,753,328; Apr. 8.
- Knockdown stand. C. A. Duke. 1,746,147; Feb. 4.
- Knock-out bottom. W. Salisbury. 1,776,666; Sept. 23.
- Knotted. B. E. Byrd. 1,787,102; Dec. 30.
- Knotted appliance. T. Collins. 1,760,297; May 27.
- Knotted device for machines for manufacturing knotted carpets. A. Blum. 1,780,740; Nov. 4.
- Knotted device, particularly for uniting together the threads of warps. W. Hammer. 1,779,312; Oct. 21.
- Knotted machine, Warp. O. Fischer. 1,762,656; June 10.
- Knots, Apparatus for making weaving. G. Raetz. 1,783,001; Nov. 25.
- Knurler for cigar machines, Flexible. T. W. Alm. 1,765,817; June 24.
- Kraut, Apparatus for treating. O. H. Hansen. 1,776,432; Sept. 23.
- Kraut, Treating. O. H. Hansen. 1,750,467; Mar. 11.
- Krypton and xenon from oxygen, Extraction of. A. J. A. Blaringhem. 1,772,202; Aug. 5.
- Label. T. S. Gorton, jr. 1,756,944; May 6.
- Label. G. F. Stanley. Des. 81,213; May 20.
- Label. G. F. Stanley. Des. 81,672; July 22.
- Label, Booklet. D. B. Parrish. 1,786,504; Dec. 30.
- Label, Box. A. Isaacson. 1,781,980; Nov. 18.
- Label, Continuous-roll. J. H. Millholland. 1,752,535; Apr. 1.
- Label-dating device. C. H. Oslund. 1,757,209; May 6.
- Label printing, feeding, and cutting machine. A. Rosenthal. 1,786,867; Dec. 30.
- Label tape. J. M. Reis. 1,769,965; July 8.
- Labeling and cartoning device for packaging machines. H. H. Wheeler. 1,748,593; Feb. 25.
- Labeling machine. O. G. Brantigam. 1,746,988; Feb. 11.
- Labeling machine. J. W. Davis. 1,776,490; Sept. 23.
- Labeling machine, Gum. M. Zurndorf. 1,766,239; June 24.
- Labels, Process and apparatus for cutting, folding, and pressing garment. J. P. Tarbox. 1,745,775; Feb. 4.
- Labels to packages, Applying. E. L. Smith. 1,752,705; Apr. 1.
- Laboratory, Seed-corn-testing. O. P. Tlemann. 1,752,513; Apr. 1.
- Lace. B. A. Ball. Des. 80,820-6; Apr. 1.
- Lace. B. A. Ball. Des. 81,616; July 22.
- Lace. B. A. Ball. Des. 82,364-7; Oct. 28.
- Lace. B. A. Ball. Des. 82,721; Dec. 9.
- Lace. M. H. Daudy. Des. 81,274; June 3.
- Lace. G. M. Dicken. Des. 82,543; Nov. 18.
- Lace. E. M. Man. Des. 81,884; Aug. 26.
- Lace. G. Radford. Des. 81,018; Apr. 22.
- Lace. J. H. Worrall. Des. 81,565; July 8.
- Lace braid. O. E. Huber. Des. 81,334; June 10.
- Lace-braiding machine. E. Krensler. 1,776,361; Sept. 23.
- Lace edging, Embroidered. H. Schwarber. Des. 80,858-64; Apr. 1.
- Lace edging, Embroidered. H. Schwarber. Des. 80,973; Apr. 15.
- Lace, Embroidered. A. N. Hirth. Des. 81,877-9; Aug. 26.
- Lace for dresses, Spanish. C. B. J. Molitor. Des. 82,445; Nov. 4.
- Lace for wearing apparel, Noncurling elastic. R. L. Kohler. 1,770,786; July 15.
- Lace trimming or the like. M. Sadinoff. Des. 81,726-7; July 29.
- Lace trimming or the like. M. Sadinoff. Des. 81,729-30; July 29.
- Lace, Valenciennes. A. L. Seiwerts. 1,783,858; Dec. 2.
- Lacing device for corsets and like articles. J. Lindauer. 1,784,458; Dec. 9.
- Lacing machine. H. D. Colman. 1,784,984; Dec. 16.
- Lacing machine and method of lacing skeins. H. D. Colman. 1,774,591; Sept. 2.
- Lacing machine, Skein-. H. D. Colman. 1,774,592; Sept. 2.
- Lacquer. I. W. Humphrey. 1,746,695; Feb. 11.
- Lacquer. D. J. Tight. 1,756,528; Apr. 29.
- Lacquer, Brushing. S. D. Shipley. 1,744,085; Jan. 21.
- Lacquer composition. T. Satow. 1,754,243; Apr. 15.
- Lacquering machine and oven. A. Podcl. 1,753,998; Apr. 8.
- Lacquers, Finishing surfaces with cellulose nitrate. H. C. Mougey. 1,753,616; Apr. 8.
- Lactic acid and its derivatives, Production of. M. Luther and H. Beller. 1,766,715; June 24.
- Lactobacteria product. G. H. Earp-Thomas. 1,758,937; May 20.
- Ladder. M. Bauer. 1,784,413; Dec. 9.
- Ladder. A. P. Kettmann and I. W. Anderson. 1,780,263; Nov. 4.
- Ladder. W. S. Little. 1,775,285; Sept. 9.
- Ladder, Car. W. E. Wine. 1,786,379; Dec. 23.
- Ladder, Car. W. E. Wine. 1,786,381; Dec. 23.
- Ladder, Extension. G. B. Scaramuzza. 1,748,799; Feb. 25.
- Ladder, Floating-lap. P. Pirsch. 1,758,969; May 20.
- Ladder, Folding. S. F. Williams. 1,783,686; Dec. 2.
- Ladder foot, Extensible. T. G. Rice. 1,751,173; Mar. 18.
- Ladder for floating roof tanks. B. O. Bushnell. 1,754,384; Apr. 15.
- Ladder for floating roof tanks, Self-locking. C. S. Morgan and J. T. Howell. 1,744,239; Jan. 21.
- Ladder-jack-supporting device. W. B. Holmes. 1,758,319; May 13.
- Ladder, Ship's pilot. A. Myerstuen. 1,753,060; Apr. 1.
- Ladder step and support, Combination. J. Wirth. 1,760,803; May 27.
- Ladder run. R. C. Pfeil. 1,779,370; Oct. 21.
- Ladder, Truck. H. M. Havens. 1,761,726; June 3.
- Ladders, Leveling attachment for. J. H. Harrison. 1,780,386; Nov. 4.
- Lading at shipping points, Apparatus for precooling. C. A. Moore. 1,769,033; July 1.
- Ladle. A. Fry. 1,771,114; July 22.
- Ladle. W. H. Peirce. 1,755,411; Apr. 22.
- Ladle, Casting. F. G. Carrington. 1,776,544; Sept. 23.
- Ladle for low-melting materials. I. Gonyk. 1,767,975; June 24.
- Ladle, Soldering. L. R. Seaborn. 1,745,455; Feb. 4.
- Laminated board. W. F. Hayes. 1,770,520; July 15.
- Laminated bodies, Manufacturing gum-bonded. J. M. Taylor, C. N. Jacobs, and R. R. Titus. 1,787,404; Dec. 30.
- Laminated bodies, Method of and machine for making annular. W. T. Hensley. 1,769,950; July 8.
- Laminated fabric, Making. E. A. Ross. 1,753,806; Apr. 8.
- Laminated glass. F. Fraser. 1,753,744; Apr. 8.
- Laminated glass. H. A. Gardner. 1,762,513; June 10.
- Laminated glass, Border seal for. R. W. Hackett and A. G. Worrall. 1,785,696; Dec. 16.
- Laminated materials, Uniting. R. Vorbau. 1,774,858; Sept. 2.
- Laminated product and making the same, Compressed. L. J. Ollesheimer. 1,747,906; Feb. 18.
- Laminated sheet material. K. L. Moses. 1,758,053; May 13.
- Laminated sheet structure. E. B. Carns. 1,784,511; Dec. 9.
- Laminated spring. A. O. Gylling. 1,772,935; Aug. 12.
- Laminated spring. H. P. Smith. 1,743,049; Jan. 7.
- Laminated spring. J. H. Stott. 1,748,528; Feb. 25.
- Laminating rubberized material, Device for. C. E. Maynard. 1,763,801; June 17.
- Lamp. F. J. Abel. Des. 81,268; June 3.
- Lamp. A. L. Arenberg. Des. 82,648-9; Dec. 2.
- Lamp. F. L. Bamford. 1,770,724; July 15.
- Lamp. F. L. Bamford. 1,779,156; Oct. 21.
- Lamp. A. V. Boetter. Des. 82,130; Sept. 30.
- Lamp. C. T. Brady. Des. 82,131; Sept. 30.
- Lamp. C. T. Brady. 1,771,430; July 29.
- Lamp. L. O. Brown. Des. 82,877; Dec. 23.
- Lamp. W. C. Burroughs. Des. 81,774; Aug. 12.
- Lamp. H. Carlson. 1,782,917; Nov. 25.
- Lamp. J. M. Colucci. Des. 81,628; July 22.
- Lamp. P. Cricchio. Des. 81,179; May 20.
- Lamp. A. Di Lucchi. Des. 80,938; Apr. 15.
- Lamp. R. E. Elizondo. 1,780,746; Nov. 4.
- Lamp. R. V. Fessler. Des. 80,566; Feb. 25.
- Lamp. S. W. Fruchtman. Des. 82,420; Nov. 4.
- Lamp. J. W. Gosling. Des. 81,532; July 8.
- Lamp. J. W. Gosling. Des. 81,582; July 15.
- Lamp. H. J. Graham. 1,768,757; July 1.
- Lamp. F. Gritt. Des. 82,606; Nov. 25.
- Lamp. C. A. B. Halvorson. 1,783,468; Dec. 2.
- Lamp. J. F. R. Heinisch. 1,749,426; Mar. 4.
- Lamp. R. R. Hellvik and S. Perla. Des. 81,643; July 22.
- Lamp. H. V. Henderson. Des. 82,426; Nov. 4.
- Lamp. F. Mercier. 1,747,984; Feb. 18.
- Lamp. J. Murray. Des. 82,172; Sept. 30.
- Lamp. P. G. Peik. 1,775,689-90; Sept. 16.
- Lamp. L. E. Perkins. 1,757,975; May 13.
- Lamp. S. Perla. Des. 82,584; Nov. 18.
- Lamp. C. S. Ricker. 1,784,539; Dec. 9.
- Lamp. F. W. Roettges. Des. 81,205-6; May 20.
- Lamp. W. R. Smart. 1,776,481; Sept. 23.
- Lamp. H. J. Verwayen. Des. 82,069; Sept. 16.
- Lamp. A. von Frankenber. Des. 80,296; Jan. 7.
- Lamp. A. von Frankenber. Des. 82,008; Sept. 9.
- Lamp. A. F. Wiedenhoft. 1,760,677; May 27.
- Lamp. O. C. R. Woller. 1,766,205; June 24.
- Lamp. Y. Yoshida. Des. 80,300; Jan. 7.
- Lamp. L. Zweig. Des. 80,557; Feb. 18.
- Lamp, Acetylene. W. A. Cochran. 1,745,406; Feb. 4.
- Lamp, Adjustable. W. Turse. 1,769,004; July 1.

- Lamp adjusting mechanism. G. H. Coulter. 1,772,770; Aug. 12.
- Lamp, Aeroplane. S. J. McKibbin. Des. 82,340; Oct. 21.
- Lamp and apparatus, Mercury vapor. L. J. Buttolph. 1,764,148; June 17.
- Lamp and lamp hood and connection for electric signs. W. L. Laib. 1,753,209; Apr. 8.
- Lamp and smoking stand, Combined. J. L. Blasdel and C. H. Derringer. Des. 81,125; May 13.
- Lamp, Arc. H. L. M. J. Bénard. 1,771,283; July 22.
- Lamp, Arc. J. Gelb. 1,771,622; July 29.
- Lamp, Arc. L. C. Leoty. 1,753,242; Apr. 8.
- Lamp, Arc health. M. W. McArdle. Des. 80,801; Mar. 25.
- Lamp-attaching means, Miner's safety-. J. Giacomini. 1,746,113; Feb. 4.
- Lamp attachment, Wall-. S. M. Kenerson. 1,775,768; Sept. 16.
- Lamp, Automobile. J. A. Sullivan. 1,782,551; Nov. 25.
- Lamp, Automobile running-board. W. A. Gullette. 1,784,668; Dec. 9.
- Lamp base. K. A. Bernholtz. Des. 81,081; May 6.
- Lamp base. C. A. Burke. Des. 81,624-6; July 22.
- Lamp base. P. Cricchio. Des. 81,866; Aug. 26.
- Lamp base. M. Kornblum. Des. 81,490; July 1.
- Lamp base. L. Zweig. Des. 80,558; Feb. 18.
- Lamp base and body, Combined. V. Raffaelli. Des. 80,854; Apr. 1.
- Lamp base and body, Combined. V. Raffaelli. 81,454; June 24.
- Lamp base and sign, Combination. B. A. Kehoe. Des. 81,697; July 29.
- Lamp-base member or article of similar nature. F. Collins. Des. 82,479-88; Nov. 11.
- Lamp base or article of analogous nature. P. Cricchio. Des. 81,384; June 17.
- Lamp base or article of analogous nature. S. W. Fruchtman. Des. 82,023; Sept. 16.
- Lamp base or article of analogous nature. M. Kiwad. Des. 82,378-9; Oct. 28.
- Lamp base or article of analogous nature. M. Kiwad. Des. 82,838; Dec. 16.
- Lamp base or article of analogous nature. L. Zweig. Des. 80,657; Mar. 4.
- Lamp base or similar article. J. Felek. Des. 81,001; Apr. 22.
- Lamp-base remover. H. D. Grinnell. 1,775,428; Sept. 9.
- Lamp, Battery hand. F. L. Humeston. 1,760,410; May 27.
- Lamp, Battery hand. W. B. Schulte. 1,784,114; Dec. 9.
- Lamp, Battery hand. J. S. Zook. 1,763,874; June 17.
- Lamp, Bed. C. Apelt. Des. 82,211; Oct. 7.
- Lamp, Bed. A. Cowen. 1,750,993; Mar. 18.
- Lampblack, Producing. A. J. Paris, jr. 1,756,877; Apr. 29.
- Lamp, Blue-flame mantle. C. W. Davis. 1,744,298; Jan. 21.
- Lamp, Bracket. P. C. Chapman. Des. 82,136; Sept. 30.
- Lamp bracket. A. W. Sansburn. 1,758,469; May 13.
- Lamp bracket, Electric-. P. Caesar. 1,785,767; Dec. 23.
- Lamp bulb. C. Reiter. 1,765,242; June 17.
- Lamp-bulb-replacing apparatus, Attachment for. H. D. Grinnell. 1,757,711; May 6.
- Lamp bulbs, Device for placing and removing. H. D. Grinnell. 1,752,737; Apr. 1.
- Lamp bulbs, Device for placing and removing. H. D. Grinnell. 1,758,078; May 13.
- Lamp bulbs, Device for removing broken electric-. R. F. Montroy. 1,779,008; Oct. 21.
- Lamp, Butterfly. A. Aloisi. Des. 80,473; Feb. 11.
- Lamp, Cap-supported. O. S. Lundgren. 1,744,777; Jan. 28.
- Lamp changer. C. C. Cauffield. 1,749,753; Mar. 11.
- Lamp chimney. R. E. Tongue, sr. 1,772,272; Aug. 5.
- Lamp, Classification. W. A. Wulle. 1,759,030; May 20.
- Lamp, Color. L. H. Hopewell. 1,766,637; June 24.
- Lamp, Colorimeter. O. E. Trautmann. Des. 81,508; July 1.
- Lamp construction. E. C. Albright. 1,771,393; July 29.
- Lamp construction. C. T. Brady. 1,776,101; Sept. 16.
- Lamp construction. H. C. Foster. 1,769,426; July 1.
- Lamp construction. F. W. C. Neuner. 1,771,415; July 29.
- Lamp construction. F. W. C. Neuner. 1,772,427; Aug. 5.
- Lamp, Contact-resistance. C. F. Lorenz. 1,749,772; Mar. 11.
- Lamp, Desk. L. W. Andersen. Des. 81,517; July 8.
- Lamp, Desk. H. F. Thurber and F. E. Greene. Des. 81,266-7; May 27.
- Lamp, Electric. H. A. Douglas. 1,761,438; June 3.
- Lamp, Electric. M. J. Hammer. 1,771,957; July 29.
- Lamp, Electric. A. I. Johnson. 1,774,515; Sept. 2.
- Lamp, Electric. C. W. Logan. Des. 80,962; Apr. 15.
- Lamp, Electric. H. G. Martin, jr. 1,751,011; Mar. 18.
- Lamp, Electric. L. C. Parker. 1,746,049; Feb. 4.
- Lamp, Electric. L. O. Parker. 1,761,022; June 3.
- Lamp, Electric. J. Risler. 1,748,396; Feb. 25.
- Lamp, Electric. G. Wheat. 1,757,889; May 6.
- Lamp, Electric. K. Wiegand. 1,770,891; July 15.
- Lamp, Electric-arc. C. W. Bergander. 1,775,806; Sept. 16.
- Lamp, Electric-arc. H. E. Kip. Des. 81,881; Aug. 26.
- Lamp, Electric-arc. W. C. Splieth. 1,782,485; Nov. 25.
- Lamp, Electric safety. J. Beckmann. 1,765,900; June 24.
- Lamp, Electric signal. P. Foy. 1,774,879; Sept. 2.
- Lamp, Fender. J. R. Hughes. Des. 82,263; Oct. 14.
- Lamp fixture. H. E. Butler. 1,778,061; Oct. 14.
- Lamp, Flash. J. Ostermeier. 1,776,637; Sept. 23.
- Lamp, Floor. M. Kornblum. Des. 81,486-7; July 1.
- Lamp, Floor. M. Kornblum. Des. 81,489; July 1.
- Lamp, Floor. M. Kornblum. Des. 81,797-8; Aug. 12.
- Lamp, Floor. J. Di Silvestro. Des. 80,436; Feb. 4.
- Lamp, Floor. S. Kramer. Des. 80,535; Feb. 18.
- Lamp, Floor-type therapeutic. F. A. Anderson. Des. 82,776; Dec. 9.
- Lamp-focusing apparatus. S. F. Arbuckle. 1,768,655; July 1.
- Lamp-focusing device. L. Blackmore. 1,742,683; Jan. 7.
- Lamp-focusing mechanism. R. N. Falge. 1,761,911; June 3.
- Lamp, Folding electric house. J. J. Collins. 1,774,353; Aug. 26.
- Lamp for alternating currents, Mercury-vapor. R. A. F. Matouch. 1,750,482; Mar. 11.
- Lamp for automobiles, Head. H. J. Monson. 1,742,717; Jan. 7.
- Lamp for automobiles, Indicating. H. F. Kurtz. Des. 81,701; July 29.
- Lamp for automobiles, Side. H. H. Oetjen. 1,751,751; Mar. 25.
- Lamp for automobiles, Spot. R. H. Hummert. Des. 81,835; Aug. 19.
- Lamp for beacon lights, Electric. E. Hurwitz. 1,751,407; Mar. 18.
- Lamp for gasoline pumps, Revolving. E. Keema. 1,754,829; Apr. 15.
- Lamp for motor and like vehicles. M. Swenson, jr. 1,784,320; Dec. 9.
- Lamp for motor vehicles. H. H. Moreton. 1,762,877; June 10.
- Lamp for motor vehicles, Fender. H. Schwarze. Des. 81,304; June 3.
- Lamp for projecting apparatus. T. F. Uhlemann. 1,754,658; Apr. 15.
- Lamp for road vehicles, Head. J. Ridlington. 1,752,850; Apr. 1.
- Lamp for signs and advertisements, Moving. K. F. R. von Diersburg. 1,785,465; Dec. 16.
- Lamp for vehicles. J. D. Macrae, A. Macdonald and K. A. Macrae. 1,779,180; Oct. 21.
- Lamp, Gaseous conduction. O. Schaller and F. Schröter. 1,749,610; Mar. 4.
- Lamp, Gaseous conduction. F. Skaupy, H. Ewest, H. Pulfrich, and W. Schallreuter. 1,774,407; Aug. 26.
- Lamp gauge. O. Schnaser. 1,781,862; Nov. 18.
- Lamp globe. J. W. Gosling. Des. 82,407; Oct. 28.
- Lamp globe. C. A. B. Halvorson. Des. 80,310; Jan. 14.
- Lamp globe. C. E. Osborn. Des. 81,451; June 24.
- Lamp, Glow. P. L. Spencer. 1,763,108; June 10.
- Lamp guard. J. Manneschildt, jr. 1,762,724; June 10.
- Lamp guard and mounting therefor. H. Brachtel. 1,754,931; Apr. 15.
- Lamp-guard handle. D. Woodhead. 1,760,618; May 27.
- Lamp, Hand. R. A. Lorig. 1,763,898; June 17.
- Lamp, Hand. R. R. Smith. 1,759,246; May 20.
- Lamp, Hand signal. A. Denocenzo. 1,774,638; Sept. 2.
- Lamp hanger, Arc-. G. W. Hopkins. 1,760,134; May 27.
- Lamp, Head. E. P. Bone. 1,761,811; June 3.
- Lamp, Head. R. N. Falge. 1,757,420; May 6.
- Lamp, Head. J. R. Hughes. Des. 82,324; Oct. 21.
- Lamp, Head. F. W. C. Neuner. Des. 81,145; May 13.
- Lamp, Health. R. C. Hanson and I. Jeppsson. Des. 80,483-4; Feb. 11.
- Lamp, Horological. J. H. Brown. 1,770,874; July 15.
- Lamp housing. J. L. Brownell. Des. 82,602; Nov. 25.
- Lamp housings, Mounting of. H. J. Atticks and J. G. Saltzman. 1,754,929; Apr. 15.
- Lamp, Incandescent. A. D. De Castro. 1,758,434; May 13.
- Lamp, Incandescent electric. A. L. Becket. 1,742,630; Jan. 7.
- Lamp, Incandescent electric. W. L. Cummings. 1,756,679; Apr. 29.
- Lamp, Incandescent electric. J. A. Heany. 1,749,136; Mar. 4.
- Lamp, Incandescent electric. N. A. J. Voorhoeve. 1,749,520; Mar. 4.
- Lamp indicating the amount of fire damp in the air, Miner's safety. G. Schauly. 1,744,416; Jan. 21.
- Lamp, Lighter, Timing. G. W. Salmon. 1,773,121; Aug. 19.
- Lamp lock. M. E. Brady. 1,771,373; July 22.
- Lamp lock, Safety. R. A. Moore. 1,786,409; Dec. 23.
- Lamp, Locking. H. Hubbell. 1,771,631; July 29.
- Lamp, Luminescent-tube. S. C. Miller. 1,775,685; Sept. 16.
- Lamp, Magneto-electric pocket. C. Bernasconi and R. M. Berthier. Des. 82,244; Oct. 14.
- Lamp-focusing mechanism. S. F. Arbuckle. 1,786,814; Dec. 30.
- Lamp, Miner's. C. F. Statler. 1,743,166; Jan. 14.
- Lamp, Miner's. G. Wheat. 1,757,887-8; May 6.
- Lamp, Mining. J. A. Paisley. 1,783,136; Nov. 25.
- Lamp, Motor-vehicle head. R. W. Johnson. Des. 82,535; Nov. 11.
- Lamp mounting, Head. J. F. Pagendarm. 1,778,430; Oct. 14.
- Lamp, Multiple-filament. E. Bondiek. 1,775,187; Sept. 9.
- Lamp, Multiple hand arc. M. J. Wohl. 1,767,029; June 24.

- Lamp, Multifilament. W. C. Sproesser and E. A. Lederer. 1,760,667; May 27.
- Lamp, One-hand arc. M. J. Wohl. 1,754,249; Apr. 15.
- Lamp or analogous article. L. Zweig. Des. 80,656; Mar. 4.
- Lamp or analogous article, Stand. W. J. Linnemans. Des. 82,947; Dec. 30.
- Lamp or article of analogous nature. P. Cricchio. Des. 81,324; June 10.
- Lamp or article of analogous nature. M. Kiwad. Des. 82,380-1; Oct. 28.
- Lamp or article of analogous nature. M. Kiwad. Des. 82,506; Nov. 11.
- Lamp or article of analogous nature. M. Kiwad. Des. 82,563-5; Nov. 18.
- Lamp or article of analogous nature. H. Shapiro. Des. 82,286; Oct. 14.
- Lamp or article of analogous nature, Shadow. H. Brettler. Des. 82,313; Oct. 21.
- Lamp or article of similar nature, Table. P. Cricchio. Des. 80,936; Apr. 15.
- Lamp or article of similar nature, Table. P. Cricchio. Des. 81,126; May 13.
- Lamp or article of similar nature, Table. P. Cricchio. Des. 81,629-30; July 22.
- Lamp or article of similar nature, Table. F. W. Roettges. Des. 81,156; May 13.
- Lamp or article of similar nature, Table. F. W. Roettges. Des. 81,661-2; July 22.
- Lamp or article of similar nature, Table. F. W. Roettges. Des. 82,284; Oct. 14.
- Lamp or article of similar nature, Table. F. W. Roettges. Des. 82,347; Oct. 21.
- Lamp or signal device, Yielding self-arighting. F. W. Griswold. 1,760,270; May 27.
- Lamp or similar article. C. A. Bachman. Des. 80,934; Apr. 15.
- Lamp or similar article. C. A. Bachman. Des. 81,571; July 15.
- Lamp or similar article. S. Edelman. Des. 80,480; Feb. 11.
- Lamp or similar article. M. Kiwad. Des. 82,562; Nov. 18.
- Lamp or similar article. E. Laudel. Des. 81,011; Apr. 22.
- Lamp or similar article. A. von Frankenberg. Des. 81,469; June 24.
- Lamp or similar article. A. von Frankenberg. Des. 81,265; May 27.
- Lamp or similar article. A. Von Frankenberg. Des. 81,948; Sept. 2.
- Lamp or similar article. A. von Frankenberg. Des. 82,198-9; Sept. 30.
- Lamp or similar article. A. Von Frankenburg. Des. 82,298; Oct. 14.
- Lamp or similar article. A. von Frankenberg. Des. 82,400-1; Oct. 28.
- Lamp or similar article, Floor. C. A. B. Halvorson. Des. 81,004; Apr. 22.
- Lamp, Photographer's twin-arc. L. Westphalen. 1,765,957; June 24.
- Lamp, Photographic. G. and R. Dietz. 1,744,369; Jan. 21.
- Lamp, Piano. O. Holther. 1,764,308; June 17.
- Lamp, Portable. A. L. Becket. 1,768,733; July 1.
- Lamp, Portable. N. Eddy, A. J. Carmichael, H. F. Thurber, and O. Balzano. 1,756,942; May 6.
- Lamp, Portable. F. C. Kollath. 1,777,003; Sept. 30.
- Lamp, Portable. O. Sacksteder, jr. 1,745,584; Feb. 4.
- Lamp, Portable acetylene. H. J. Roberts. 1,745,453; Feb. 4.
- Lamp, Portable electric. W. Burnett, jr. 1,780,779; Nov. 4.
- Lamp, Portable electric. J. Downs. 1,756,733; Apr. 29.
- Lamp, Portable electric. F. C. Kollath. 1,771,640; July 29.
- Lamp, Portable electric. H. W. Paull. 1,770,581; July 15.
- Lamp, Portable electric. B. Rogge. 1,778,039; Oct. 14.
- Lamp, Portable electric. H. M. Peters. Des. 82,693; Dec. 2.
- Lamp, Portable electric. H. F. Thurber and F. E. Greene. Des. 80,814; Mar. 25.
- Lamp-post. G. G. King. 1,776,682; Sept. 23.
- Lamp post. F. Scotti. Des. 81,667; July 22.
- Lamp, Prefocused incandescent electric. D. S. Gustin. 1,760,693; May 27.
- Lamp, Projector. F. H. Hartwick and H. C. Arnold. 1,763,517; June 10.
- Lamp, Railway signal. E. A. Everett. 1,785,516; Dec. 16.
- Lamp receptacle. D. M. Le Fever. 1,774,517; Sept. 2.
- Lamp replacer. E. E. Stanton. 1,748,251; Feb. 25.
- Lamp, Revolving. U. Magni. 1,778,861; Oct. 21.
- Lamp-shade frame. J. Rohdiek. Des. 82,109; Sept. 23.
- Lamp, Signal. C. H. Larson. 1,786,758; Dec. 30.
- Lamp socket and heater element, Combined connected. A. J. Schmitt. Des. 80,289; Jan. 7.
- Lamp-socket casing. H. E. Slade. 1,759,422; May 20.
- Lamp-socket-fastening means. W. E. Thorn. 1,758,299; May 13.
- Lamp socket, Incandescent. O. H. Van Amburg. 1,774,461; Aug. 26.
- Lamp-socket support for show-case reflectors. J. Taussig. 1,757,346; May 6.
- Lamp, Spot and flood. G. W. Craig. 1,747,754; Feb. 18.
- Lamp stand. C. M. Becker. Des. 81,430; June 24.
- Lamp stand. C. Lauria. Des. 80,420; Jan. 28.
- Lamp stand. H. Stone. Des. 82,228; Oct. 7.
- Lamp-stand, Bracket. A. A. Witz. Des. 82,771; Dec. 9.
- Lamp stand, Therapeutic. N. E. Goodrich. 1,774,264; Aug. 26.
- Lamp standard. C. F. Haas. Des. 82,026; Sept. 16.
- Lamp, Street. W. Underwood. Des. 82,636; Nov. 25.
- Lamp structure. J. A. O'Neil. 1,774,452; Aug. 26.
- Lamp support, Movable. N. G. Carlson. 1,757,617; May 6.
- Lamp table. T. and W. Allibone. 1,765,643; June 24.
- Lamp, Table. S. J. Kaz. Des. 82,828; Dec. 16.
- Lamp, Table. M. Kornblum. Des. 81,484-5; July 1.
- Lamp, Table. M. Kornblum. Des. 81,488; July 1.
- Lamp, Table. M. Kornblum. Des. 82,611; Nov. 25.
- Lamp, Table. M. Kornblum. Des. 82,839; Dec. 16.
- Lamp, Table therapeutic. F. A. Anderson. Des. 82,775; Dec. 9.
- Lamp, Table-type therapeutic. F. A. Anderson. Des. 81,516; July 8.
- Lamp tester. W. F. Hayes. 1,751,860; Mar. 25.
- Lamp, Theftproof. L. Schmidt. 1,765,943; June 24.
- Lamp, Therapeutic. J. G. Homan. 1,746,893; Feb. 11.
- Lamp, Ultra-violet. M. W. Garrett. 1,783,643; Dec. 2.
- Lamp, Vehicle. O. Addor. 1,774,957; Sept. 2.
- Lamp, Vehicle. J. F. Aniol. 1,781,865; Nov. 18.
- Lamp, Vehicle. B. L. Bobroff. Des. 81,082; May 6.
- Lamp, Vehicle. B. L. Bobroff. Des. 81,682; July 29.
- Lamp, Vehicle. H. C. Jaquith. 1,767,590; June 24.
- Lamp, Vehicle tail. B. L. Bobroff. Des. 91,864; Aug. 26.
- Lamp, Water-cooled mercury-vapor arc. W. T. Anderson, Jr. 1,749,994; Mar. 11.
- Lamp, Worker's. L. J. Kann. 1,752,343; Apr. 1.
- Lamps, Accumulator for miners' electrical. W. Gosmann and M. Stoeck. 1,743,540; Jan. 14.
- Lamps, Adapter for casket. E. E. Hill. 1,747,073; Feb. 11.
- Lamps and holders, Infra-red element for therapeutic. E. Suter and J. Neutzi. 1,782,218; Nov. 18.
- Lamps, Apparatus for the control of electric. A. W. Fisher. 1,767,582; June 24.
- Lamps, Attachment for headlight. H. Stallings. 1,766,696; June 24.
- Lamps, Focus-adjustment mechanism for. F. L. Bamford. 1,744,098; Jan. 21.
- Lamps, Lamp hood for electric. W. L. Laib. 1,753,273; Apr. 8.
- Lamps, Making electric. W. M. Johnson. 1,769,840; July 1.
- Lamps, Method and apparatus for testing. N. R. Campbell and C. G. Eden. 1,771,915; July 29.
- Lamps, Mount for focus finders in signal. D. J. McCarthy. 1,756,948; May 6.
- Lamps, Mounting for incandescent. J. Bergmans and U. N. de Wit. 1,755,096; Apr. 15.
- Lamps on miners' caps, Detachably mounting. W. Raster. 1,743,235; Jan. 14.
- Lancet. C. Frederiksen. 1,755,777; Apr. 22.
- Land and air machine, Combination. A. G. Ronning. 1,776,374; Sept. 23.
- Land breaker and plow. A. C. Steeves. 1,750,202; Mar. 11.
- Land corrugator, Rotary. C. B. Lindburg. 1,763,166; June 10.
- Landing and launching ways. B. C. Riblet. 1,774,670; Sept. 2.
- Landing device for aircraft. M. Boucher and R. Bernady. 1,775,583; Sept. 9.
- Landing hook, Shock absorbing. R. J. Minshall. 1,749,438; Mar. 4.
- Landing light, Airplane. S. W. Hyatt. 1,771,086; July 22.
- Landing light, Wing. S. M. Fairchild. 1,772,889; Aug. 12.
- Landing method and apparatus for flying machines. J. J. Braun. 1,771,727; July 29.
- Lantern. G. F. Hitchcock. 1,768,763; July 1.
- Lantern. J. Juergens. 1,760,143; May 27.
- Lantern. H. B. Patche. 1,750,856; Mar. 18.
- Lantern. W. E. Price. 1,745,689; Feb. 4.
- Lantern. P. J. Rooney. 1,768,374; June 24.
- Lantern and adjusting the same, Signal. A. H. Handlan. 1,744,963; Jan. 28.
- Lantern, Electric. E. Stroke. 1,765,110; June 17.
- Lantern for gasoline stations and the like. I. Friedman. Des. 81,925; Sept. 2.
- Lantern, Hall. A. E. Boehme and F. A. Nestle. 1,770,373; July 15.
- Lantern or similar article. O. Hoffmann. Des. 80,893; Apr. 8.
- Lanterns, Aligning device for signal. A. H. Handlan. 1,778,717; Oct. 21.
- Lap. R. Groetchen. 1,773,176-7; Aug. 19.
- Lap link. R. L. Stockard. 1,783,860; Dec. 2.
- Lapping and grinding device. J. W. Omev. 1,755,965; Apr. 22.
- Lapping machine. W. F. Groene. 1,744,886; Jan. 28.
- Lapping machine, Automatic. H. J. Wills. 1,784,648; Dec. 9.
- Lard product and making the same. J. R. Shipner. 1,755,135; Apr. 15.
- Lard, Treatment of. L. B. Parsons. 1,767,999; June 24.
- Last. S. R. Blakely. 1,778,580; Oct. 14.
- Last. E. W. Durkee. 1,756,587; Apr. 29.
- Last. O. J. Howe. 1,776,730; Sept. 23.
- Last. F. Kelnhofer. 1,758,706; May 13.
- Last. W. A. Krentler. 1,786,540; Dec. 30.
- Last. C. I. Lander. 1,784,454; Dec. 9.

- Last, O. A. Peterson. 1,743,618; Jan. 14.
 Last-assembling machine. P. Fuller. 1,754,269; Apr. 15.
 Last, Boot. G. J. Demoucron. 1,784,181; Dec. 9.
 Last for attaching wood heels. E. M. Fullerton. 1,757,996; May 13.
 Last, Hinged. W. Creese. 1,750,626; Mar. 18.
 Last, Hinged. G. W. Smith. 1,743,628; Jan. 14.
 Last, Hinged. G. C. Thomas. 1,783,862; Dec. 2.
 Last, Hollow metal. C. C. Peterson. 1,770,597; July 15.
 Last plate. E. M. Fullerton. 1,742,760; Jan. 7.
 Last, Repaired. W. J. Shaw. 1,757,594; May 6.
 Last, Repairing. J. Discenza and J. Filippone. 1,763,705; June 17.
 Last, Shoe-stretching. E. Galterio. 1,746,466; Feb. 11.
 Last, Spring-link. L. W. Reinhardt. 1,771,008; July 22.
 Last thimble and making same. E. M. Fullerton. 1,742,761; Jan. 7.
 Lasting apparatus. C. H. R. Collins. 1,774,963; Sept. 2.
 Lasting jack. H. G. Ellis. 1,748,977; Mar. 4.
 Lasting jack. H. G. Ellis. 1,755,246; Apr. 22.
 Lasting jack. J. H. Flink. 1,750,169; Mar. 11.
 Lasting machine. B. Jorgensen. 1,775,225; Sept. 9.
 Lasting machine. B. Jorgensen. 1,778,192; Oct. 14.
 Lasting machine. F. Kennel. 1,785,555; Dec. 16.
 Lasting machine. A. F. Pym. 1,745,451; Feb. 4.
 Lasts, Increaser for. J. E. Swanson. 1,785,153; Dec. 16.
 Lasts, Process of and apparatus for molding hollow. W. J. De Witt. 1,783,915; Dec. 2.
 Latch. O. P. Cramer. 1,764,154; June 17.
 Latch. M. Dermody. 1,748,599; Feb. 25.
 Latch. M. Dermody. 1,786,521; Dec. 30.
 Latch. W. D. Ferris. Des. 82,805; Dec. 16.
 Latch. W. D. Ferris. 1,748,707; Feb. 25.
 Latch. W. D. Ferris. 1,763,693; June 17.
 Latch. V. S. Firestone and D. Sward. 1,774,260; Aug. 26.
 Latch. J. A. Fraser. 1,764,014; June 17.
 Latch. E. F. Graf. 1,781,172; Nov. 11.
 Latch. D. L. Hadley. Des. 80,568; Feb. 25.
 Latch. A. J. Hall. 1,769,341; July 1.
 Latch. W. A. Mayes. 1,775,470; Sept. 9.
 Latch. E. Meininghaus. 1,753,714; Apr. 8.
 Latch. E. Meininghaus. 1,767,152; June 24.
 Latch. G. W. Miller. 1,787,390; Dec. 30.
 Latch. R. G. Moore and A. Claud-Mantle. 1,758,367; May 13.
 Latch. G. E. Roedding. Des. 81,155; May 13.
 Latch. G. E. Roedding. 1,771,100; July 22.
 Latch. G. E. Roedding. 1,771,465; July 29.
 Latch. G. E. Roedding. 1,776,930; Sept. 30.
 Latch. G. E. Roedding. 1,777,106; Sept. 30.
 Latch. G. E. Roedding and E. C. Osbeck. 1,765,615; June 24.
 Latch. F. C. Ruppel. Des. 81,552; July 8.
 Latch. A. B. Yancey. 1,785,468; Dec. 16.
 Latch and latch lock. L. Offerman, M. Blanshaft, and A. Savitzky. 1,770,529; July 15.
 Latch and operating means therefor, Stanchion. L. G. Siebenmorgen. 1,780,367; Nov. 4.
 Latch and seal, Switch-box. C. E. Hanny. 1,783,711; Dec. 2.
 Latch assembly for refrigerators or the like. G. Graff. Des. 80,619-20; Mar. 4.
 Latch, Automobile door. J. B. Freysinger. 1,755,352; Apr. 22.
 Latch, Automobile door. J. B. Freysinger. 1,771,387; July 22.
 Latch, Automobile door. M. Mado. 1,757,916; May 6.
 Latch, Automobile door. B. E. Taylor. 1,743,637; Jan. 14.
 Latch-bolt structure. E. J. Baumé. 1,762,499; June 10.
 Latch, Cabinet. R. G. Moore and A. Claud-Mantle. 1,782,386; Nov. 18.
 Latch, Casement-window. W. S. Oglesby. 1,750,423; Mar. 11.
 Latch, Cash-box. G. J. Francis. 1,762,015; June 3.
 Latch, Closet-door. W. R. Schlage. 1,751,102; Mar. 18.
 Latch, Coach. J. B. Flynn. 1,756,117; Apr. 29.
 Latch-controlling mechanism. J. B. Freysinger. 1,764,438; June 17.
 Latch, Cupboard. C. B. Hurd. 1,752,559; Apr. 1.
 Latch device. C. L. Mattison. 1,763,244; June 10.
 Latch, Door. W. E. Anderson. 1,763,548; June 10.
 Latch, Door. H. Carrier. 1,769,489; July 1.
 Latch, Door. F. A. Cox. 1,782,289; Nov. 18.
 Latch, Door. S. De Vita. 1,768,193; June 24.
 Latch, Door. E. Ellingson. 1,744,457; Jan. 21.
 Latch, Door. W. D. Ferris. 1,763,692; June 17.
 Latch, Door. J. Galamb. 1,781,505; Nov. 11.
 Latch, Door. H. J. Godfried and P. H. Jaeger. 1,769,288; July 1.
 Latch, Door. F. D. Grund. 1,775,455; Sept. 9.
 Latch, Door. F. D. Grund. 1,775,818-17; Sept. 16.
 Latch, Door. C. R. Hennicke. 1,771,677; July 29.
 Latch, Door. V. E. Johnson. 1,784,935; Dec. 16.
 Latch, Door. C. J. Lawrence. 1,757,913; May 6.
 Latch, Door. R. Marple. 1,755,832; Apr. 22.
 Latch, Door. W. Marshall and E. C. De Smet. 1,744,077; Jan. 21.
 Latch, Door. M. W. Moesta. 1,769,068; July 1.
 Latch, Door. P. S. Riel. 1,785,914; Dec. 23.
 Latch, Door. G. Sfris. 1,760,968; June 3.
 Latch, Door. U. G. Surprenant. 1,771,737; July 29.
 Latch, Door. F. J. Van Dooren. 1,774,682; Sept. 2.
 Latch, Excavator-dipper. A. T. Hansen. 1,753,513; Apr. 8.
 Latch for automobile doors. B. Hall. 1,770,917; July 22.
 Latch for bar pins, brooches, and the like, Safety. R. G. Finley. 1,773,084; Aug. 12.
 Latch for covers. F. A. Stirrup. 1,773,693; Aug. 19.
 Latch for doors, Safety. O. E. Magnuson. 1,754,958; Apr. 15.
 Latch for folding braces. H. J. Gilbert. 1,785,343; Dec. 16.
 Latch for headlights and the like. C. W. Dake. 1,772,177; Aug. 5.
 Latch for paper boxes. O. B. Berton. 1,765,964; June 24.
 Latch for refrigerators or the like. G. Graff. Des. 81,692; July 29.
 Latch for service boxes. J. C. Lewis. 1,781,115; Nov. 11.
 Latch handle. F. C. Ruppel. Des. 82,595; Nov. 18.
 Latch, Hood. M. G. Baker. 1,742,492; Jan. 7.
 Latch, Hood. C. B. Gilmore. 1,784,931; Dec. 16.
 Latch, Hood. C. T. Mason. 1,769,151; July 1.
 Latch, Hood. N. A. Smith. 1,775,002; Sept. 2.
 Latch, Hood. C. W. Walters and D. M. Yeager. 1,774,819; Sept. 2.
 Latch Jack, Trip-. F. J. Hinderliter. 1,749,379; Mar. 4.
 Latch, Locker. S. S. French. 1,775,092; Sept. 9.
 Latch, Locker. E. D. Kaser. 1,774,330; Aug. 26.
 Latch, Locker. F. A. Schmitz and J. Sturm. 1,766,193; June 24.
 Latch, Locking. A. L. Birdsall. 1,776,881; Sept. 30.
 Latch mechanism. G. Haliuka. 1,754,889; Apr. 15.
 Latch mechanism. J. Ledwinka. 1,743,556; Jan. 14.
 Latch mechanism. J. Ledwinka. 1,756,202; Apr. 29.
 Latch mechanism. W. H. Neely. 1,746,273; Feb. 11.
 Latch mechanism, Automatic switch-. T. J. Arledge. 1,744,604; Jan. 21.
 Latch mechanism, Door-. F. Koons, sr. 1,750,933; Mar. 18.
 Latch, Mounting plaster. J. F. Makowski. 1,779,184; Oct. 21.
 Latch needle. A. C. Parlini. 1,779,249; Oct. 21.
 Latch, Night. L. A. Dexter. 1,779,410; Oct. 28.
 Latch or catch device. A. M. Martin. 1,742,712; Jan. 7.
 Latch or similar article. A. S. Katz. Des. 81,737; July 29.
 Latch, Refrigerator. A. Ekman. 1,778,148; Oct. 14.
 Latch release, Power-dipper door-. L. R. Culver. 1,756,284; Apr. 29.
 Latch, Reversible. A. Ekman. 1,744,955; Jan. 28.
 Latch, Roll-screen. H. Dixon. 1,749,180; Mar. 4.
 Latch, Sash. J. F. Levan. 1,784,147; Dec. 9.
 Latch, Secret-door. C. J. and C. G. Hagstrom. 1,755,392; Apr. 22.
 Latch, Shade-roller. C. Mendler. 1,758,961; May 20.
 Latch, Sliding-door. D. Lussetto and J. Fassero. 1,771,683; July 29.
 Latch strike. L. Ottinger. 1,748,613; Feb. 25.
 Latch, Table-leg. G. J. Corporon. 1,785,616; Dec. 16.
 Latch, Vault. G. M. Farabough and G. C. Moutray. 1,773,351; Aug. 19.
 Latch, Vehicle door. J. and M. Giltch, H. Schorsch, and J. D. Giltch. 1,742,764; Jan. 7.
 Latch, Washing-machine-cover. A. Partlow. 1,783,447; Dec. 2.
 Latch, Window. L. Dugovic. 1,752,242; Mar. 25.
 Latch, Window. A. L. Knapp. 1,766,910; June 24.
 Latches, Remote control mechanism for door. W. Marshall and P. Camiener. 1,786,074; Dec. 23.
 Latching device. G. P. Wild. 1,756,718; Apr. 29.
 Latching device. A. W. Woodward. 1,779,386; Oct. 21.
 Latching device, Automobile door-. T. F. Trudeau. 1,744,424; Jan. 21.
 Latching device for shipping containers. W. R. Brown and A. C. Towne. 1,764,002; June 17.
 Latching means for the covers of laundry apparatus. J. M. Coffee. 1,765,207; June 17.
 Latching mechanism. D. W. Perin. 1,743,387; Jan. 14.
 Latching mechanism, Door-. F. E. Radke. 1,778,687; Oct. 14.
 Latching mechanism for barber chairs. J. R. Emmert. 1,747,505; Feb. 18.
 Latching mechanism for lockers. J. Worley, Jr., and E. L. Vreeland. 1,774,783; Sept. 2.
 Latches, Locking mechanism for. C. S. McCarthy. 1,758,122; May 13.
 Lateral eliminator. J. J. Keck and E. E. Kelley. 1,748,674; Feb. 25.
 Latex and product obtained thereby, Treating. J. McGavack. 1,762,729; June 10.
 Latex and product, Thickening and stabilizing. M. C. Teague. 1,772,647; Aug. 12.
 Latex, Concentrating. H. W. Banks, 3d. 1,755,379; Apr. 22.
 Latex, Preservation of. J. McGavack. 1,772,753; Aug. 12.
 Latex, Preservation of. D. Schuster and H. Hopff. 1,783,057; Nov. 25.
 Latex, Purifying and concentrating. W. B. Wescott. 1,754,535; Apr. 15.
 Latex, Thickening and treatment of. S. D. Sutton. 1,770,092; July 8.
 Latex, Treatment of. F. Hazell. 1,757,632; May 6.
 Latex, Treatment of. J. McGavack. 1,772,752; Aug. 12.
 Lath. W. D. Hicks. 1,782,568; Nov. 25.
 Lath, Building. J. P. Beaty. 1,744,354; Jan. 21.
 Lath bundles, Ventilating. W. B. Few. 1,745,479; Feb. 4.
 Lath clip. W. E. White. 1,761,323; June 3.

- Lath, Expanded-metal. W. G. Hurlbert, jr., and E. E. Marshman. 1,781,012; Nov. 11.
- Lath, Expanded-metal. J. W. Pearce. 1,743,800; Jan. 14.
- Lath machine. O. Tardif and L. Carrier. 1,748,906; Feb. 25.
- Lath material, Method and apparatus for making. J. W. Edson, H. S. Stone, and D. B. Arnold. 1,765,571; June 24.
- Lath, Metal. H. K. Baker. 1,762,322; June 10.
- Lath, Sheet. G. A. Buttress. 1,753,598; Apr. 8.
- Lath spacer. W. M. Goldsmith. 1,767,068; June 24.
- Lath support, Metal. T. A. Wray. 1,780,731; Nov. 4.
- Lathe. A. Bjorklund. 1,758,023; May 13.
- Lathe. L. E. Godfriaux. 1,774,917; Sept. 2.
- Lathe and lathe chuck. G. F. Hopkins. 1,780,390; Nov. 4.
- Lathe and like turning engine, Screw-cutting. O. Schaerer. 1,775,737; Sept. 16.
- Lathe, Automatic. F. Mulka. 1,767,224; June 24.
- Lathe, Automatic. G. D. Sundstrand. 1,770,048; July 8.
- Lathe, Automatic spindle. F. L. Cone. 1,765,130; June 17.
- Lathe bed. F. B. Cockburn and H. J. Breitenbach. 1,777,603; Oct. 7.
- Lathe center. S. W. Gordon. 1,758,717; May 13.
- Lathe center. C. T. Olson. 1,747,385; Feb. 18.
- Lathe center. L. R. Power. 1,782,272; Nov. 18.
- Lathe center, Revolving. H. R. Ong. 1,751,711; Mar. 25.
- Lathe, Commutator turning. H. G. Miller. 1,786,442; Dec. 30.
- Lathe, Continuously-operating multiple. F. M. Davis and A. C. Hoeh. 1,782,138; Nov. 18.
- Lathe control, Automatic. W. F. Groene. 1,750,589; Mar. 11.
- Lathe for turning crank shafts. H. O. Hess. 1,781,228-29; Nov. 11.
- Lathe, Hand. C. M. McCord. 1,767,151; June 24.
- Lathe, Last. L. E. Topham. 1,753,391; Apr. 8.
- Lathe mechanism for oval turnings. M. Cassé. 1,755,349; Apr. 22.
- Lathe, Turning. F. M. Gilmore and S. French. 1,758,283; May 13.
- Lathe, Turning. F. L. Johnson. 1,758,520; May 13.
- Lathe, Variety. J. J. Witt. 1,757,155; May 6.
- Lathe, Wood-turning. A. Blasi. 1,779,085; Oct. 21.
- Lathe, Vertical turret. O. G. Tweddell. 1,783,637; Dec. 2.
- Lathes, Copying. L. E. Topham. 1,773,328; Aug. 19.
- Lathes, Driving head for small. H. G. Miller. 1,786,022; Dec. 23.
- Lathes, Feeding device for automatic. E. T. Roberts. 1,748,795; Feb. 25.
- Lathes, Geared headstock for. W. E. Whipp. 1,750,555; Mar. 11.
- Lathes, Lead-screw-controlling device for. E. F. McNutt. 1,749,598; Mar. 4.
- Lathes, Rapid-traverse mechanism for. L. C. Cole. 1,768,664; July 1.
- Lathes, Tapping attachment for. O. Hegstad. 1,746,038; Feb. 4.
- Lathes, Universal attachment for. A. F. Gronwald. 1,778,494; Oct. 14.
- Lathes with capstan and cross-slide rests. W. Heinemann. 1,763,519; June 10.
- Lather-forming device. R. H. Wager. 1,759,248; May 20.
- Lather-forming device. R. H. Wager. 1,780,573; Nov. 4.
- Lather rubber. A. W. Schweibold. 1,765,623; June 24.
- Lattice work and supporting the same. W. G. Purdy and J. P. Speck. 1,783,196; Dec. 2.
- Latticework, Unit for assembling. H. Junkers. 1,753,706; Apr. 8.
- Launching or landing apparatus. R. S. Haight. 1,773,999; Aug. 26.
- Laundering apparatus. J. T. Cowley. 1,757,417; May 6.
- Laundering machine. W. W. Trinks and B. W. Tucker. 1,778,777; Oct. 21.
- Laundering method. R. A. Phair. 1,777,857-8; Oct. 7.
- Laundry apparatus. A. W. Altorfer. 1,782,224; Nov. 18.
- Laundry apparatus. N. G. Barnard. 1,783,147; Nov. 25.
- Laundry apparatus. B. J. Coady. 1,757,702; May 6.
- Laundry apparatus. B. E. Getz. 1,781,921; Nov. 18.
- Laundry apparatus. J. S. Patterson. 1,743,799; Jan. 14.
- Laundry apparatus. A. D. Staley. 1,780,210; Nov. 4.
- Laundry appliance. W. E. Kerr. 1,755,508; Apr. 22.
- Laundry bag, Locked. G. F. Thaxton. 1,753,254; Apr. 8.
- Laundry drier. E. Knutsen. 1,756,366; Apr. 29.
- Laundry drier. A. O. Schramm. 1,746,799; Feb. 11.
- Laundry drier. A. O. Schramm. 1,763,676; June 17.
- Laundry driers, Reversing mechanism for. A. C. Kalk. 1,763,658; June 17.
- Laundry-drum construction. P. C. Bruckmann and W. R. Hager. 1,755,867; Apr. 22.
- Laundry hanger. J. Mandy. 1,783,578; Dec. 2.
- Laundry iron, Electric. G. Browning. 1,761,192; June 3.
- Laundry iron, Electric. H. Kocourek. 1,776,947; Sept. 30.
- Laundry iron switch, Electric. G. Browning. 1,765,401; June 24.
- Laundry iron, Thermostatically-governed electric. G. Browning. 1,779,960; Oct. 28.
- Laundry machine. A. W. Altorfer. 1,784,564; Dec. 9.
- Laundry machine. G. W. Dunham. 1,747,763; Feb. 18.
- Laundry machine. G. W. Dunham. 1,783,186; Dec. 2.
- Laundry machine. G. W. Dunham. 1,785,577-8; Dec. 16.
- Laundry machine. I. H. Wilsey. 1,776,405; Sept. 23.
- Laundry machine, Cylinder. J. N. White. 1,775,878-9; Sept. 16.
- Laundry machinery. E. J. Carroll. 1,758,594; May 13.
- Laundry machines, Liquid-retaining device for. G. W. Dunham. 1,747,762; Feb. 18.
- Laundry machines, Positioning device for. P. C. Bruckmann. 1,782,983; Nov. 25.
- Laundry machines, Pump-impeller mounting for. G. W. Dunham. 1,758,391; May 13.
- Laundry machines, Sediment-disposing arrangement for. G. W. Dunham. 1,775,424; Sept. 9.
- Laundry machines, Spinner-balancing arrangement for. G. W. Dunham. 1,743,441; Jan. 14.
- Laundry, Method of and machine for drying and bleaching. C. Groen. 1,756,821; Apr. 29.
- Laundry-sorting apparatus. W. A. and T. W. Frothingham. 1,748,042; Feb. 18.
- Lavatory. L. W. Brophy. 1,780,968; Nov. 11.
- Lavatory. J. R. Mayhew. Des. 80,903; Apr. 8.
- Lavatory. I. R. Mayhew. Des. 82,170; Sept. 30.
- Lavatory. C. J. Steele. Des. 86,117-8; Sept. 23.
- Lavatory. E. G. Watrous. Des. 82,200; Sept. 30.
- Lavatory and closet, Combination. W. R. Dennis and E. J. Baehr. 1,756,635; Apr. 29.
- Lavatory and toilet seat. D. F. Youngblood. 1,771,945; July 29.
- Lavatory and toilet seat, Combination. D. F. Youngblood. Des. 81,217; May 20.
- Lavatory leg. H. R. Trout. Des. 81,034-5; Apr. 22.
- Lavatory or washstand. W. H. Oldfield. 1,784,641; Dec. 9.
- Lavatory, Pedestal. C. J. Steel. Des. 82,116; Sept. 23.
- Lavatory, Portable. J. G. Hernandez. 1,783,712; Dec. 2.
- Lawn edger. O. B. Pickett. 1,752,505; Apr. 1.
- Lawn edger. H. L. Sulzbach. 1,775,836; Sept. 16.
- Lawn rake. F. C. Bell and S. Skelly. Re17,810; Sept. 23.
- Lawn rake. Y. Kurihara. 1,768,080; June 24.
- Lawn rake. C. Lorber. 1,785,320; Dec. 16.
- Lawn rake, Self-cleaning. Q. Fisher. 1,766,017; June 24.
- Lawn sprinkler. C. C. Armstrong. 1,776,714; Sept. 23.
- Lawn sprinkler. A. E. Bennett. 1,779,691; Oct. 28.
- Lawn sprinkler. G. Browning. 1,761,191; June 3.
- Lawn sprinkler. W. H. Coles. 1,759,439; May 20.
- Lawn sprinkler. M. E. Estep. 1,756,483; Apr. 29.
- Lawn sprinkler. H. L. Henry. 1,766,514; June 24.
- Lawn sprinkler. T. L. Ryerson. 1,760,375; May 27.
- Lawn sprinkler. H. G. Shining. 1,764,758; June 17.
- Lawn sprinkler, Disappearing. C. A. Borgeson. 1,751,723; Mar. 25.
- Lawn-trimming attachment. M. Schleicher. 1,770,434; July 15.
- Lawn-trimming device. G. F. Minikhiem. 1,784,022; Dec. 9.
- Lead, Alkylated. H. W. Daudt. 1,749,567; Mar. 4.
- Lead alloy amenable to hardening by heat treatment. M. G. Corson. 1,780,261; Nov. 4.
- Lead alloy, particularly for cable sheathings. M. Thielers. 1,779,784; Oct. 28.
- Lead and other metals from ores or other lead-bearing materials, Recovery of. U. C. Tainton. 1,759,494; May 20.
- Lead and terminal, Condenser. W. H. Priess. 1,767,093; June 24.
- Lead arsenate from fruit, Removing. A. R. Maas. 1,754,173; Apr. 8.
- Lead-bearing material, Treating. A. Stewart. 1,783,986; Dec. 9.
- Lead castings from metallic articles, Removal of. K. B. Bowman. 1,785,245; Dec. 16.
- Lead chromate, Production of basic. A. Stewart. 1,751,295; Mar. 18.
- Lead column, pipe, or the like. E. Volturon. 1,773,655; Aug. 19.
- Lead, Electrical. H. A. Woofter. 1,757,822; May 6.
- Lead from its ores or other compounds, Obtaining. G. L. Oldright. 1,744,174; Jan. 21.
- Lead hydroxide starting from impure sulphate of lead, Manufacture of pure. R. Daloze. 1,757,902; May 6.
- Lead oxide in a state of high dispersion, Obtaining. L. Schertel and W. Lüty. 1,749,781; Mar. 11.
- Lead oxides, Process and apparatus for preparing. P. El Haynes. 1,770,777; July 15.
- Lead reagents, Producing soluble. D. W. Parkes. Re17,804; Sept. 16.
- Lead, Refining antimonial. T. H. Donahue. 1,774,359; Aug. 26.
- Leader carrier. S. O. Huffman. 1,784,965; Dec. 16.
- Leaf flipper. R. M. Reynolds. 1,747,263; Feb. 18.
- Leaf flipper. R. M. Reynolds. 1,770,670; July 15.
- Leaf-handling machinery. J. Gough. 1,753,373; Apr. 8.
- Leaf spring. C. C. Pouplier. 1,745,450; Feb. 4.
- Leaf-turning device. M. Yahnitsky. 1,768,018; June 24.
- Leakage, Preventing. H. Sauvour. 1,750,818; Mar. 18.
- Leakage through insulated joints, Testing. D. Byers. 1,765,715; June 24.
- Leak detecting apparatus. C. J. Spill. Re17,662; May 13.
- Leak detector. H. N. Hedeby. 1,786,843; Dec. 30.
- Leak-preventing element for fire-hydrant caps. W. Zeug and L. Grimm. 1,777,243; Sept. 30.
- Leash or analogous article. W. C. Vizard. Des. 81,947; Sept. 2.
- Leather and apparatus therefor, Treating. J. A. Millican. 1,773,493; Aug. 19.

- Leather and process for obtaining same. A. Ehrenreich. 1,758,564; May 13.
- Leather and producing the same. E. S. Mix. 1,785,966; Dec. 23.
- Leather, Apparatus for setting out. W. C. Johnson. 1,763,359; June 10.
- Leather, Apparatus for treating patent. W. A. Hughes. 1,747,301; Feb. 18.
- Leather composition. S. H. Lifton. 1,750,231; Mar. 11.
- Leather dressing, Auxiliary means for. B. Rewald. 1,779,012; Oct. 21.
- Leather-dressing process. O. L. Steven. 1,750,732; Mar. 18.
- Leather-finishing compound. O. F. W. Cromwell. 1,753,694; Apr. 8.
- Leather goods, Ornamental. J. J. Walsh. 1,751,962; Mar. 25.
- Leather graining, boarding, and softening machine. J. E. Spencer. 1,749,267; Mar. 4.
- Leather, Grooving or scoring. J. W. Radburne. 1,776,042; Sept. 16.
- Leather, Hat. S. Kanner. 1,775,561; Sept. 9.
- Leather-impregnating material, Treating. E. D. Van Tassel, jr. 1,745,591; Feb. 4.
- Leather, Making pancake or built-up sheet. C. E. Rahr. 1,756,993; May 6.
- Leather, Manufacturing. W. A. Beck. 1,751,464; Mar. 25.
- Leather, Manufacturing. J. P. Toole. 1,752,042; Mar. 25.
- Leather or like coated fabric. Artificial. G. E. Ailing. Des. 81,615; July 22.
- Leather or similar article. T. A. Glendon, jr. Des. 82,256; Oct. 14.
- Leather or similar article. F. A. Kolb. Des. 80,320; Jan. 14.
- Leather, Ornamentation of. W. T. B. Roberts. 1,748,083; Feb. 25.
- Leather, Setting out. J. A. Millican. 1,773,494; Aug. 19.
- Leather-shaving machines, Guard for. N. R. Rivers. 1,768,213; June 24.
- Leather-sorting machine. H. E. Johns. 1,765,234; June 17.
- Leather stretching and tacking machine. W. A. Ellison. 1,744,756; Jan. 28.
- Leather, Treating. W. H. Allen. 1,774,626; Sept. 2.
- Leather, Treating. R. S. Ayres. 1,773,089; Aug. 19.
- Leather, Treating. B. Rubens. 1,744,506; Jan. 21.
- Leather, Treating belt. J. A. Webb. 1,765,553; June 24.
- Leather-treating composition. W. H. and A. M. Taylor. 1,763,833; June 17.
- Leather-working machine. J. W. Griess. 1,778,385; Oct. 14.
- Leavening preparation. A. H. Fiske. 1,787,193; Dec. 30.
- Ledger sheet and card flag, Adjustable. G. S. Robinson. 1,751,495; Mar. 25.
- Leer. L. J. Hartle. 1,775,281; Sept. 9.
- Leer. R. La France. 1,778,763; Oct. 21.
- Leer. J. Mayo. 1,759,624; May 20.
- Leer. J. Mayo. 1,762,340; June 10.
- Leer. W. S. Rendall. 1,766,545; June 24.
- Leer feeder. A. N. Cramer. 1,764,153; June 17.
- Leer feeder. C. L. Dotson. 1,742,239; Jan. 7.
- Leer feeder. I. Simonis. 1,785,534; Dec. 16.
- Leer feeder. P. Q. Williams. 1,778,742; Oct. 21.
- Leer roll. W. F. Brown. 1,759,220; May 20.
- Leg attachment, Supplemental. E. W. Feldmann. 1,747,972; Feb. 18.
- Leg, Folding. D. F. Dyke. 1,746,823; Feb. 11.
- Leg for horses, etc. F. G. Kingston. 1,749,706; Mar. 4.
- Leg rest for the drivers of motor cars. H. B. Dickens. 1,753,367; Apr. 8.
- Legging. M. L. Orr. 1,765,609; June 24.
- Legging, Fireproof. E. L. Wheeler. 1,749,789; Mar. 11.
- Legging, Pull-off. S. N. Sager. 1,749,231-2; Mar. 4.
- Leggings, Punctureproof. P. W. Ellis. 1,783,832; Dec. 2.
- Lens. H. W. Lee. 1,779,257; Oct. 21.
- Lens-adjusting means, Plural. A. S. Howell. 1,767,849; June 24.
- Lens attachment for eyeglasses, Auxiliary. G. Gravitt. 1,786,204; Dec. 23.
- Lens attachment for eyes. B. L. Wilhelm. 1,782,331; Nov. 18.
- Lens cutter. N. M. Baker. 1,770,452; July 15.
- Lens extract and making it. E. H. Stuart. 1,787,179; Dec. 30.
- Lens for headlights, Nonglare. H. B. Walthers. 1,773,831; Aug. 26.
- Lens grinding and polishing machine. E. M. Long. 1,742,404; Jan. 7.
- Lens mount. R. S. Alldridge. 1,773,021; Aug. 12.
- Lens mounting. L. Goldhammer. 1,760,827; May 27.
- Lens mounting or the like. W. R. Uhlemann. Des. 81,946; Sept. 2.
- Lens mountings, Making. H. W. Grom. 1,787,266; Dec. 30.
- Lens, Ophthalmic. W. B. Rayton. 1,745,641; Feb. 4.
- Lens, Ophthalmic. E. D. Tillyer. Re17,887; Nov. 25.
- Lens, Reflecting. O. A. Beriau. 1,769,410; July 1.
- Lens structure. A. S. Howell. 1,767,850; June 24.
- Lens, Sun's rays magnifying. W. W. Beach. 1,764,925; June 17.
- Lens system. L. V. Foster. 1,761,441; June 3.
- Lens system, Condensing. W. B. Rayton. 1,783,481; Dec. 2.
- Lens system for color photography. H. N. Cox. 1,762,144; June 10.
- Lens, Trifocal. P. Eckley. 1,761,201; June 3.
- Letter and envelope stuffer, Combined. J. O. Little. 1,783,022; Nov. 25.
- Letter box. J. Andrassy. 1,776,243; Sept. 23.
- Lettering. J. E. Innes. 1,777,144; Sept. 30.
- Lettering device. J. T. Janosek. 1,750,309; Mar. 11.
- Lettering machine. L. McDonald. 1,784,152; Dec. 9.
- Letter-of-credit form. G. Opitz. 1,783,258; Dec. 2.
- Letters, packets, and other articles, Apparatus for sorting. A. G. Strathern. 1,754,726; Apr. 15.
- Level. R. C. Charlton. 1,777,429; Oct. 7.
- Level. A. De Angelis. 1,765,060; June 17.
- Level. L. Lea and J. A. Hawthorne, jr. 1,786,309; Dec. 23.
- Level. H. J. Ziemann. 1,757,283; May 6.
- Level and pressure gauge, Combined liquid. H. Hastings. 1,786,566; Dec. 30.
- Level-controlling device for liquid containers. E. T. Turner. 1,787,130; Dec. 30.
- Level-crossing signal. L. Sommer. 1,768,640; July 1.
- Level device. C. A. Volz. 1,780,253; Nov. 4.
- Level, Double-reading plumb. J. and O. A. Sinner. 1,784,550; Dec. 9.
- Level gate. R. I. Farrell. 1,768,587; July 1.
- Level-indicating device, Liquid. G. H. Brunow. 1,761,167; June 24.
- Level indicator, Banking and nosing. J. E. Vayda. 1,765,551; June 24.
- Level indicator for mineral-oil stills. A. E. Pew, jr. 1,753,803; Apr. 8.
- Level indicator, Liquid. C. A. de Giers. 1,772,929; Aug. 12.
- Level-maintaining means in pumping systems. C. H. Braselton and F. B. McLaren. 1,769,800; July 1.
- Level, Sight. H. O. Stouffer. 1,761,851; June 3.
- Level, Spirit. C. D. Severance and R. O. Stetson. 1,752,112; Mar. 25.
- Level, Transit. F. Mihalyi. 1,781,666; Nov. 11.
- Leveler, Hydraulically-controlled. A. B. Hauser. 1,759,982; May 27.
- Leveler, Ridge. E. J. Rimple and M. Vargas. 1,744,801; Jan. 28.
- Leveling apparatus. L. A. Erickson. 1,778,631; Oct. 14.
- Leveling device, Automatic land. L. W. Eversman. 1,765,910; June 24.
- Leveling device for carriers. A. N. Becker. 1,773,163; Aug. 19.
- Leveling head. E. W. Arms. 1,779,080; Oct. 21.
- Leveling machine. H. A. Davenport. 1,753,404; Apr. 8.
- Leveling machine. H. A. Davenport. 1,773,261; Aug. 19.
- Leveling machine. A. Eppler. 1,743,199; Jan. 14.
- Leveling machine. E. E. Winkley. 1,758,992; May 20.
- Leveling machine, Ridge. J. Schermuly. 1,746,872; Feb. 11.
- Leveling work, Method of and apparatus for. R. F. Bennett. 1,766,323; June 24.
- Lever. F. F. Chandler. 1,742,689; Jan. 7.
- Lever. J. L. Collins. 1,757,412-13; May 6.
- Lever. F. W. Zink. 1,748,690; Feb. 25.
- Lever assembly, Steering-gear control. D. E. Ross. 1,756,994; May 6.
- Lever-clamp jack. F. E. Muzzey. 1,775,910; Sept. 16.
- Lever construction, Gear-shift. B. F. Schmidt. 1,743,241; Jan. 14.
- Lever-control assembly. F. M. Edgar and J. B. Flynn. 1,763,690; June 17.
- Lever-control mechanism, Lockable. R. S. Gans. 1,758,695; May 13.
- Lever, Flush-valve-operating. E. L. Delany. 1,766,491; June 24.
- Lever for hand brakes for motor cars, Locking. H. O. Hinchliffe. 1,742,351; Jan. 7.
- Lever for reapers, Clutch-control. P. Kane. 1,762,395; June 10.
- Lever for scales and making the same. L. Jaenichen. 1,780,262; Nov. 4.
- Lever for the transmission of movement, Composite jointed. G. Halbow. 1,771,564; July 29.
- Lever, Gear-shifter. O. E. Fishburn. 1,762,132; June 3.
- Lever lock. F. E. and A. Q. Smythe. 1,752,463; Apr. 1.
- Lever mechanism. R. E. Manley. 1,783,250; Dec. 2.
- Lever mechanism. H. J. Schluter. 1,771,467; July 29.
- Lever plate, Clutch pressure. J. M. Crawford. 1,761,972; June 3.
- Lever system particularly applicable to weighing apparatus. T. St. J. B. Parnall. 1,774,038; Aug. 26.
- Lever upon alteration in the direction of rotation of a shaft, Reversing a. E. Peters. 1,748,307; Feb. 25.
- Lever upon reversal in the direction of rotation of a shaft, Device for pushing over a. H. Grob. 1,779,970; Oct. 28.
- Leverage engine, Fluctuating. F. L. Eager. 1,751,474; Mar. 25.
- Levers, Ball or handle for gear-shift. K. Turk. 1,761,898; June 3.
- Levulose or carbohydrate mixtures, Production of dry. W. C. Arsem. 1,763,080; June 10.
- Lewis. H. H. Dutton. 1,779,035; Oct. 21.
- License and registry lock. L. H. Beall. 1,763,087; June 10.
- License plate, Automobile. W. S. Sweitzer. 1,758,627; May 13.
- License-plate bracket, Theftproof. E. Rossi. 1,754,804; Apr. 15.
- License-tag mounting and signal and tail light, Combined. E. L. Shelton. 1,783,316; Dec. 2.

- Lid adjuster, Piano-. E. B. Kursheedt. 1,785,486; Dec. 16.
- Lid, Axle-box. E. G. Durning. 1,786,605; Dec. 30.
- Lid for double domestic boilers. R. Kania. 1,774,276; Aug. 26.
- Lid for refrigerating cabinets. J. R. Replogle. 1,753,946; Apr. 8.
- Lid, Heating. A. Rohrmann and R. I. Fowler. 1,774,996; Sept. 2.
- Lid or closure. L. Benoit. 1,786,733; Dec. 30.
- Lid or cover fastener for milk cans. E. B. Atkinson. 1,754,074; Apr. 8.
- Lid, Sirup-bucket. W. H. Elsey. 1,746,149; Feb. 4.
- Lid with shearslike gripper. T. Bach and J. Biersack. 1,748,437; Feb. 25.
- Lids for cigar boxes, Forming. A. A. Adamson. 1,782,799; Nov. 25.
- Lids to fruit and other cases, Means for use in the securing of. M. Davey. 1,747,860; Feb. 18.
- Life and vessel saving equipment. T. J. Burke. 1,742,687; Jan. 7.
- Lifeboat. C. C. Clifford. 1,752,063; Mar. 25.
- Lifeboat. L. Cochard. 1,784,819; Dec. 16.
- Lifeboat. C. G. Fisher. 1,769,500; July 1.
- Lifeboat davit. C. M. O'Brien and S. J. Pilcher. 1,777,980; Oct. 7.
- Lifeboat-handling mechanism. L. Edwards. 1,746,109; Feb. 4.
- Lifeboat holding and releasing mechanism. G. R. Fennema. 1,742,852; Jan. 7.
- Lifeboats and the like, Apparatus for launching. G. R. Fennema. 1,742,853; Jan. 7.
- Lifeboats, Handling. A. P. Schat. 1,747,795; Feb. 18.
- Life preserver. H. A. Ayvad. 1,773,932; Aug. 26.
- Life preserver. M. Popescu. 1,750,282; Mar. 11.
- Life-saving attachment for submarines. D. Sherman. 1,778,569; Oct. 14.
- Life-saving belt, Swimmer's. J. S. Wollk. 1,759,637; May 20.
- Life-saving device for ships and the like. N. Grabich. 1,766,921; June 24.
- Life-saving device for submarines. H. H. Stamper. 1,777,184; Sept. 30.
- Life-saving device for sunken ships. J. Kardos and D. Fischer. 1,749,821; Mar. 11.
- Life-saving device, Submarine. G. Meister. 1,787,627; Dec. 30.
- Life-saving equipment for submarines. J. M. Dean. 1,772,306; Aug. 5.
- Life-saving method and apparatus for submarine crews. E. P. Laurent. 1,747,943; Feb. 18.
- Lift for automobile window glass. M. N. Hurley. 1,768,983; July 1.
- Lifter: See—
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| Airplane lifter. | Receptacle lifter. |
| Automobile lifter. | Stack lifter. |
| Basket lifter. | Tree lifter. |
| Battery lifter. | Utensil lifter. |
| Bit lifter. | Valve lifter. |
| Can lifter. | Valve-spring lifter. |
| Door lifter. | Vehicle lifter. |
| Fluid lifter. | Vine lifter. |
| Pan lifter. | Wick lifter. |
- Lifter. H. and A. Ahlin. 1,749,796; Mar. 11.
- Lifter. A. K. Sheppard. 1,768,937; July 1.
- Lifter or crane, Portable stack. 1,745,042; Jan. 28.
- Lifting and transferring device. J. A. Wiener. 1,756,614; Apr. 29.
- Lifting apparatus. J. J. McConnell. 1,771,054; July 22.
- Lifting device. C. P. Haff. 1,769,134; July 1.
- Lifting device. E. G. Livesay. 1,759,651; May 20.
- Lifting device. G. B. Randolph. 1,783,856; Dec. 2.
- Lifting device. I. Von Kert Hott. 1,786,754; Dec. 30.
- Lifting device, Air-actuated. E. E. Hollister. 1,750,597; Mar. 11.
- Lifting device and lock for automobile hoods. S. M. O'Brien. 1,764,578; June 17.
- Lifting device, Automobile. T. A. Martin. 1,777,214; Sept. 30.
- Lifting device for motor vehicles. A. P. Davidson. 1,783,224; Dec. 2.
- Lifting device for vehicles. K. Adams. 1,772,590; Aug. 12.
- Lifting device, Suction. L. M. McCormick. 1,747,523; Feb. 18.
- Lifting device to facilitate the removal of cigarettes or other small articles of similar shape from packets and like containers. H. W. Martin. 1,749,386; Mar. 4.
- Lifting jack. H. W. Clark. 1,786,643; Dec. 30.
- Lifting jack. J. G. Everstam. 1,757,182-3; May 6.
- Lifting jack. A. C. Hopkins. 1,762,627; June 10.
- Lifting jack. I. V. K. Hott. 1,757,249; May 6.
- Lifting jack. H. A. House, jr. 1,746,475; Feb. 11.
- Lifting jack. G. Jensen. 1,777,566; Oct. 7.
- Lifting jack. B. F. Johnson. 1,785,554; Dec. 16.
- Lifting jack. W. H. Lolley. 1,780,265-6; Nov. 4.
- Lifting jack. M. B. Luckner. 1,762,400; June 10.
- Lifting jack. A. Peteler. 1,760,436-7; May 27.
- Lifting jack. F. H. Schwerin. 1,764,472; June 17.
- Lifting jack. L. C. Stukenborg. 1,759,670; May 20.
- Lifting jack. W. B. Templeton. 1,757,982; May 13.
- Lifting jack, Fluid-pressure. C. J. Steiner. 1,745,959; Feb. 4.
- Lifting jack, Railroad-tie. O. Stormont. 1,747,330; Feb. 18.
- Lifting mechanism. J. Dolan. 1,782,889; Nov. 25.
- Lifting mechanism for dump bodies. F. Biszantz. 1,760,808; May 27.
- Lifting, traction, and propulsion means, Arrangement for increasing the efficiency of. E. J. Peter. 1,772,680; Aug. 12.
- Ligature. G. L. Miller. 1,757,871; May 6.
- Light: See—
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| Auto light. | Passing light. |
| Beacon light. | Port light. |
| Delivery light. | Post light. |
| Dirigible driving light. | Safety turn light. |
| Dirigibly-mounted light. | Searchlight. |
| Electrical flash light. | Ship's light. |
| Flash light. | Signal light. |
| Flood light. | Speedometer light. |
| Garage light. | Stop and tail light. |
| Gauge light. | Tail and stop light. |
| Instrument-board light. | Telephone-dial light. |
| Landing light. | Telescope bench light. |
| Parking light. | Vehicle light. |
| | Vehicle side light. |
- Light. S. M. Byck. 1,764,930; June 17.
- Light. G. Graff. 1,754,855; Apr. 15.
- Light. G. H. Osgood. 1,778,120; Oct. 14.
- Light-analysis apparatus. H. F. Kurtz. 1,746,083; Feb. 4.
- Light and illuminated sign, Window. T. W. Simpson. 1,770,183; July 8.
- Light and license plate, Combined tail. T. Fisher. 1,780,564; Dec. 30.
- Light and signal, Combined. O. R. Aurand. 1,782,334; Nov. 18.
- Light and votive-light holder, Night-. M. Purcell. 1,746,966; Feb. 11.
- Light aperture, Narrow. C. A. Hoxie. 1,743,779; Jan. 14.
- Light, Apparatus for the projection of. L. R. Morshead. 1,777,805; Oct. 7.
- Light-beam-testing device. B. R. Kenworthy. 1,779,404; Oct. 21.
- Light bracket, Electric-. G. E. Villaret. Des. 80,404; Jan. 21.
- Light ceiling fixture, Electric-. G. E. Villaret. Des. 80,405; Jan. 21.
- Light-coloring screen. A. M. Knauber. 1,754,896; Apr. 15.
- Light connector, Emergency-. R. J. Owens. 1,758,125; May 13.
- Light-control apparatus, Theater-. R. J. Wensley. 1,763,113; June 10.
- Light control for photographic printing machines. N. B. Green. 1,754,204; Apr. 8.
- Light-control system. D. J. Stewart. 1,783,633; Dec. 2.
- Light-dimming switch. R. K. Winning. 1,763,028; June 10.
- Light effects, Method and device for producing stroboscopic. A. Abel. 1,772,410; Aug. 5.
- Light effects, Producing. W. J. Whiting. 1,768,812; July 1.
- Light fixture. H. J. Bosworth. 1,758,925; May 20.
- Light fixture. S. Kramer. Des. 80,419; Jan. 28.
- Light fixture. S. Kramer. Des. 80,794; Mar. 25.
- Light fixture, Body element for an electric. B. Hasenstab. Des. 81,792; Aug. 12.
- Light fixture, Body element for an electric-. C. W. Logan. Des. 81,803; Aug. 12.
- Light fixture, Electric-. B. Hasenstab. Des. 80,379; Jan. 21.
- Light fixture, Electric-. G. J. Henry. 1,750,006; Mar. 11.
- Light fixture, Electric-. R. E. Hine and S. M. Hallam. 1,778,855; Oct. 21.
- Light fixture, Electric-. L. A. Hoffman. 1,742,859; Jan. 7.
- Light fixture, Electric-. C. Maashant. 1,744,400; Jan. 21.
- Light fixture, Electric-. H. U. Schockett. 1,778,869; Oct. 21.
- Light fixture, Electric-. G. E. Villaret. Des. 80,406; Jan. 21.
- Light fixture having removable panels. A. Kramer. 1,751,864; Mar. 25.
- Light fixtures, Electric-. B. Hasenstab. Des. 81,282-3; June 3.
- Light, floor light, or skylight, Vault. L. W. Mulford. 1,784,678; Dec. 9.
- Light for airplane landing fields or the like, Boundary. E. A. Sipp. Des. 81,855; Aug. 19.
- Light for an automobile, Dome. W. Schnell. Des. 80,496; Feb. 11.
- Light for an automotive vehicle, Rear-corner. W. Schnell and W. H. Hollindale. Des. 80,915; Apr. 8.
- Light for automobiles, Stop. R. Peltier. Des. 81,398; June 17.
- Light for Christmas trees, Ornamental. E. N. Fox. 1,745,212; Jan. 28.
- Light for gas burners, Individual pilot. W. Englund. 1,763,295; June 10.
- Light for motor vehicles. C. V. and I. J. Chuprin. 1,759,299; May 20.
- Light for motor vehicles, Combined tail and stop. R. W. Johnson. Des. 82,825; Dec. 16.
- Light for show cases, Display. C. W. Cole. 1,786,601; Dec. 30.
- Light for vehicle bodies, Rear corner. W. Schnell. 1,763,824; June 17.
- Lighthouse and the like. R. R. Steel. 1,764,656; June 17.

- Light impulses into enlarged graphic representations, Method of and apparatus for converting. C. F. Jenkins. Re17,784; Aug. 26.
- Light mechanism, Framing-. A. Dina. 1,753,647; Apr. 8.
- Light or similar article, Bracket. H. Butler. Des. 81,919; Sept. 2.
- Light or the like for an automotive vehicle, Dome. W. H. Hollindale. Des. 80,381; Jan. 21.
- Light or the like for an automotive vehicle, Dome. W. Schnell. Des. 82,628; Nov. 25.
- Light-producing apparatus, Variable-. E. W. Kellogg. 1,774,382; Aug. 26.
- Light-projection display. T. Wilfred. 1,749,011; Mar. 4.
- Light-projection display. T. Wilfred. 1,758,589; May 13.
- Light projector. B. Heymann. 1,758,041; May 13.
- Light projectors, Device for automatic adjustment of. A. E. Adam. 1,781,311; Nov. 11.
- Light rays, Apparatus for the projection of. G. Thornton-Jones. 1,784,357; Dec. 9.
- Light-reflecting bed device. D. B. McLeod. 1,764,220; June 17.
- Light-reflecting device. C. G. McLean. 1,787,388; Dec. 30.
- Light-reflecting unit and supporting the same. S. C. Vincent. 1,767,160; June 24.
- Light refractor, Variable. T. W. Sukumlyn. 1,770,535; July 15.
- Light-sensitive layer and making photographic images. J. Eggert, R. Schmidt, and B. Wendt. 1,782,259; Nov. 18.
- Light-sensitive layer and preparing it. G. Kögel. 1,776,155; Sept. 16.
- Light-sensitive layers and preparing them. M. P. Schmidt and W. Krieger. 1,758,676; May 13.
- Light-sensitive layers and preparing them. M. P. Schmidt and W. Krieger. 1,760,780; May 27.
- Light-sensitive material and process for making same, Photographic. S. E. Sheppard and E. P. Wightman. 1,763,989-90; June 17.
- Light-sensitive materials and making them. M. P. Schmidt and W. Krieger. 1,756,400; Apr. 29.
- Light-sensitive materials, Device for testing. A. Bauer. 1,765,198; June 17.
- Light shield for duplex shade rollers. W. E. White. 1,748,373; Feb. 25.
- Light signal. A. W. Fisher. 1,744,379; Jan. 21.
- Light signal. G. V. Jefferson. 1,772,810; Aug. 12.
- Light signal. C. W. Prescott. 1,766,535; June 24.
- Light signal. C. S. Snively. 1,758,179; May 13.
- Light signal and projector. J. C. Mock. 1,765,689; June 24.
- Light signal, Check. O. A. Ross. 1,785,704; Dec. 16.
- Light source, Inductive. T. W. Case. 1,785,070; Dec. 16.
- Light, Source of. T. W. Case. 1,747,287; Feb. 18.
- Light switch, Automatic parking-. J. A. Sartelle. 1,746,907; Feb. 11.
- Light switch, Delayed circuit-breaking. C. B. Johnson. 1,752,091; Mar. 25.
- Light switch, Luminous electric-. M. Holpfer. 1,749,881; Mar. 11.
- Light system for photographic-printing machines. F. E. Altman. 1,763,208; June 10.
- Light treatment, Diagnosing for. M. W. Wentworth. 1,748,403; Feb. 25.
- Light unit, Bridge. R. W. Erskine. 1,747,506; Feb. 18.
- Lighter. L. V. Aronson. 1,755,494; Apr. 22.
- Lighter. L. V. Aronson. 1,759,340; May 20.
- Lighter. T. R. Catton. Des. 82,135; Sept. 30.
- Lighter. L. F. Douglass. Des. 80,479; Feb. 11.
- Lighter. J. Holtzman. 1,754,319; Apr. 15.
- Lighter. J. W. Jennings. Des. 82,608; Nov. 25.
- Lighter. G. Kollstede. 1,746,949; Feb. 11.
- Lighter. H. A. Myers. 1,782,544; Nov. 25.
- Lighter. J. R. O'Neil. Des. 81,806; Aug. 12.
- Lighter. S. Segal. 1,764,896-7; June 17.
- Lighter. S. Segal. 1,786,267; Dec. 23.
- Lighter. A. G. Stevenson. 1,765,633; June 24.
- Lighter. J. G. Theobald. Des. 80,339; Jan. 14.
- Lighter. A. R. Visitacion. 1,752,658; Apr. 1.
- Lighter and cigarette container, Combined pyrophoric. L. V. Aronson. Des. 81,951; Sept. 9.
- Lighter and the like, Pocket. L. V. Aronson. 1,762,123; June 3.
- Lighter and the like, Pocket. S. B. Battey. 1,757,231; May 6.
- Lighter, Automatic. M. F. Taintor. 1,746,321; Feb. 11.
- Lighter, Automatic cane-carried. A. R. Visitacion. 1,754,808; Apr. 15.
- Lighter, Automatic gas-stove. G. Ruggiero and J. De Cesare. 1,756,763; Apr. 29.
- Lighter, Cigar. J. R. Ayotte. 1,769,912; July 8.
- Lighter, Cigar. O. N. Berman. 1,745,470; Feb. 4.
- Lighter, Cigar. B. Currin. 1,771,485; July 29.
- Lighter, Cigar. S. E. Guinn. Des. 80,889; Apr. 8.
- Lighter, Cigar. A. F. Jackson. 1,756,013; Apr. 29.
- Lighter, Cigar. C. Rubsamen. 1,762,079; June 3.
- Lighter, Cigar. J. Sinko. 1,778,647; Oct. 14.
- Lighter, Cigar. C. Splitzer. 1,761,316; June 3.
- Lighter, Cigar. F. G. Whittington. 1,746,174; Feb. 4.
- Lighter, Cigar and cigarette. L. D. Bell and J. C. Rombach. 1,782,025; Nov. 18.
- Lighter, Cigarette. I. Florman. Des. 82,647; Nov. 25.
- Lighter, Cigarette. A. Levi. Des. 82,096; Sept. 23.
- Lighter, Cigarette. J. Real. 1,755,131; Apr. 15.
- Lighter, Cigarette. M. Tannenbaum. 1,763,911; June 17.
- Lighter, Electric cigar. C. B. Mahan. 1,757,255; May 6.
- Lighter, Electric gas. D. A. Barlow. 1,748,271; Feb. 25.
- Lighter, Inflammable-liquid. L. E. Bolle. 1,774,959; Sept. 2.
- Lighter or similar article, Cigarette. S. Levine. Des. 80,421; Jan. 28.
- Lighter or similar article, Pyrophoric. L. V. Aronson. Des. 80,353; Jan. 21.
- Lighter, Pocket. J. Holtzman. 1,743,349; Jan. 14.
- Lighter, Pocket. C. J. Lagerholm. 1,743,610; Jan. 14.
- Lighter, Pocket. A. Perrera. 1,755,746; Apr. 22.
- Lighter, Pocket. A. Pollak and J. F. O'Brien. 1,760,995; June 3.
- Lighter, Pocket. A. F. Reilly. Des. 82,055; Sept. 16.
- Lighter, Pocket. H. S. Strausser. Des. 80,707; Mar. 11.
- Lighter, Pocket. H. S. Strausser. 1,769,971; July 8.
- Lighter, Pocket cigar. C. Hardy. 1,762,980; June 10.
- Lighter, Pocket vapor cigar. E. F. Clark and J. H. Murdoch. 1,765,004; June 17.
- Lighter, Pyrophoric. V. Kassapian. 1,762,061; June 3.
- Lighter, Pyrophoric hand. K. F. Projahn. 1,753,835; Apr. 8.
- Lighter, Table. C. H. Lawrence. Des. 82,749; Dec. 9.
- Lighter, Table. A. F. Reilly. Des. 80,495; Feb. 11.
- Lighter-than-air craft. J. T. Narusch. 1,764,336; June 17.
- Lighter, Tobacco. A. J. Stecker. 1,762,281; June 10.
- Lighter, Volatile-fluid. A. C. and J. Sladky. 1,779,920; Oct. 28.
- Lighters, Fuel-carrying means for. L. V. Aronson. 1,748,323; Feb. 25.
- Lighters, Pivotal wind screen for pyrophore cigar. A. Dubsky. 1,755,951; Apr. 22.
- Lighting and ignition switch. E. N. Jacobi. 1,754,754; Apr. 15.
- Lighting and ignition switch. H. E. Norviel. 1,750,683; Mar. 18.
- Lighting apparatus. G. Murray and V. O. Simpkins. 1,776,476; Sept. 23.
- Lighting apparatus, Combination electric-. F. E. Beidler. 1,755,385; Apr. 22.
- Lighting apparatus, Train-. W. A. Pitt. 1,786,401; Dec. 23.
- Lighting attachment for sewing machines and the like. D. L. Fish. 1,772,934; Aug. 12.
- Lighting, Color flood. P. M. Hotchkinn. 1,755,298; Apr. 22.
- Lighting-control apparatus, Theater-. J. C. Masek. 1,764,411; June 17.
- Lighting, Decorative. W. E. Price. 1,747,556; Feb. 18.
- Lighting device. J. W. Gosling. Des. 81,233; May 27.
- Lighting device. O. J. Leins. 1,747,015; Feb. 11.
- Lighting device. V. S. Zapanta. 1,779,110; Oct. 21.
- Lighting device, Automatic. J. M. and A. J. Cucurello. 1,773,725; Aug. 26.
- Lighting device, Electric-. A. Sadacca. 1,781,885; Nov. 18.
- Lighting device, Flood-. P. S. Bailey. 1,780,666; Nov. 4.
- Lighting device for cigars and the like, Electrical. W. B. Connolly. 1,781,440; Nov. 11.
- Lighting device, Pocket. T. Schild. 1,749,782; Mar. 11.
- Lighting device, Remote-control dirigible. A. J. Macy. 1,743,224; Jan. 14.
- Lighting fixture. H. Aglow. Des. 80,666; Mar. 11.
- Lighting fixture. H. Aglow. 1,780,161; Nov. 4.
- Lighting fixture. J. H. Blitzer. 1,777,824; Oct. 7.
- Lighting fixture. A. R. Clark. 1,748,278; Feb. 25.
- Lighting fixture. L. C. Doane. 1,764,393; June 17.
- Lighting fixture. L. C. Doane. 1,764,395; June 17.
- Lighting fixture. E. A. Gillinder. 1,786,748; Dec. 30.
- Lighting fixture. S. I. Goldberg. Des. 81,440; June 24.
- Lighting fixture. E. F. Guth. 1,743,851; Jan. 14.
- Lighting fixture. D. B. Hanna. 1,777,724; Oct. 7.
- Lighting fixture. R. R. Hellvik and S. Perls. Des. 81,284; June 3.
- Lighting fixture. C. C. Hoel. 1,768,322; June 24.
- Lighting fixture. P. M. Hotchkinn. 1,777,407; Oct. 7.
- Lighting fixture. J. L. Jaffe. 1,768,255; June 24.
- Lighting fixture. J. L. Jaffe and R. J. Monroe. 1,774,274; Aug. 26.
- Lighting fixture. A. Lazerson. 1,772,724; Aug. 12.
- Lighting fixture. C. J. Lemont. 1,751,483; Mar. 25.
- Lighting fixture. A. B. Megraw. 1,764,112; June 17.
- Lighting fixture. G. R. Metcalf, jr. 1,767,087; June 24.
- Lighting fixture. A. J. D. Ohm. Re17,809; Sept. 16.
- Lighting fixture. A. J. D. Ohm. Des. 81,714-18; July 29.
- Lighting fixture. A. J. D. Ohm. Des. 82,518-19; Nov. 11.
- Lighting fixture. R. V. Owen. Des. 81,470; June 24.
- Lighting fixture. E. W. Poerner. Des. 81,845; Aug. 19.
- Lighting fixture. J. K. Riddle, assignor to The Edward N. Riddle Company, Toledo, Ohio. 1,762,526; June 10.
- Lighting fixture. I. Rosenblatt. Des. 80,638; Mar. 4.
- Lighting fixture. I. Rosenblatt. 1,752,654; Apr. 1.
- Lighting fixture. E. J. Rueth. 1,772,087; Aug. 5.
- Lighting fixture. F. C. Runge. 1,767,482; June 24.
- Lighting fixture. L. Schepmoes. 1,783,311; Dec. 2.
- Lighting fixture. L. Schepmoes. 1,786,962; Dec. 30.
- Lighting fixture. R. W. Schweiker. 1,756,309; Apr. 29.
- Lighting fixture. A. G. Steilmayer. 1,754,001; Apr. 8.
- Lighting fixture. H. Tauber. Des. 81,166; May 13.
- Lighting fixture. W. J. D. van Dijk. 1,786,371; Dec. 23.
- Lighting fixture. R. Williamson. 1,767,418-19; June 24.
- Lighting fixture. J. Williamson. 1,769,911; July 1.

- Lighting-fixture arm or article of similar nature. B. E. Ulvad. Des. 81,036; Apr. 22.
- Lighting-fixture base or article of similar nature. G. Danker. Des. 81,127; May 13.
- Lighting-fixture brace. A. Scheler. Des. 81,464; June 24.
- Lighting-fixture bracket. G. A. Marks. Des. 82,043; Sept. 16.
- Lighting-fixture bracket or article of similar nature. W. von Nessen. Des. 82,712; Dec. 2.
- Lighting fixture canopy or the like. H. Goodfriend. Des. 82,494; Nov. 11.
- Lighting fixture, Ceiling. H. D'Olier, jr. 1,742,438; Jan. 7.
- Lighting-fixture dome or article of analogous nature. W. R. Greer, jr. Des. 80,370; Jan. 21.
- Lighting fixture, Electric-. D. J. Biller. 1,764,999; June 17.
- Lighting fixture, Electric. H. D'Olier, jr. 1,772,930; Aug. 12.
- Lighting fixture, Electric-. E. B. Wilson. 1,756,774; Apr. 29.
- Lighting fixture for show cases. O. W. Klingsick. 1,751,042; Mar. 18.
- Lighting fixture for show cases and the like, Electric. O. W. Klingsick. 1,771,758; July 29.
- Lighting-fixture globe. E. F. Guth. 1,763,963; June 17.
- Lighting-fixture globe holder or the like. H. Goodfriend. Des. 82,495; Nov. 11.
- Lighting-fixture head. J. H. Blitzler. Des. 80,772; Mar. 25.
- Lighting fixture, Inclosed. L. C. Doane. 1,746,339; Feb. 11.
- Lighting fixture, Indirect-. E. D. Tillson. 1,762,565; June 10.
- Lighting-fixture loop or article of analogous nature. W. R. Greer, jr. Des. 80,372; Jan. 21.
- Lighting fixture member or article of similar nature. F. W. Roettges. Des. 81,848; Aug. 19.
- Lighting fixture member or article of similar nature. F. W. Roettges and J. T. Gutzwa. Des. 81,850; Aug. 19.
- Lighting fixture or article of similar nature. H. Bohl. Des. 81,174; May 20.
- Lighting fixture or article of similar nature. H. Bohl. Des. 81,572; July 15.
- Lighting fixture or article of similar nature. H. Bohl. Des. 82,415; Nov. 4.
- Lighting fixture or article of similar nature. H. Bohl. Des. 82,539; Nov. 18.
- Lighting fixture or article of similar nature. F. W. Roettges. Des. 81,022-3; Apr. 22.
- Lighting fixture or article of similar nature. I. Rosenblatt. Des. 80,491-4; Feb. 11.
- Lighting fixture or article of similar nature. I. Rosenblatt. Des. 80,911-13; Apr. 8.
- Lighting fixture or article of similar nature. I. Rosenblatt. Des. 81,024; Apr. 22.
- Lighting fixture or article of similar nature. I. Rosenblatt. Des. 81,889-92; Aug. 26.
- Lighting fixture or article of similar nature. I. Rosenblatt. Des. 82,852; Dec. 16.
- Lighting fixture or article of similar nature. W. von Nessen. Des. 82,821; Dec. 23.
- Lighting fixture or article of similar nature. W. von Nessen. Des. 82,861-2; Dec. 16.
- Lighting fixture or similar article. O. Hoffmann. Des. 80,894; Apr. 8.
- Lighting fixture, Street-. G. R. Harris. Des. 82,425; Nov. 4.
- Lighting fixture, Table-. B. Schaefer. Des. 82,451; Nov. 4.
- Lighting fixture, Tree. M. J. Courtney. 1,750,923; Mar. 18.
- Lighting fixtures, Arm for. H. A. Framburg. Des. 82,145; Sept. 30.
- Lighting fixtures, Bowl-holding means for. E. F. Guth. 1,753,374; Apr. 8.
- Lighting having a daylight effect, Artificial. H. Bertling. 1,784,171; Dec. 9.
- Lighting outfit, Christmas-tree-. L. B. Manson. 1,757,969; May 13.
- Lighting outfit, Decorative. R. Eckstein. 1,752,662; Apr. 1.
- Lighting set, Emergency. C. A. Jackson. 1,774,603; Sept. 2.
- Lighting standard. R. W. Erskine. Des. 81,000; Apr. 22.
- Lighting standard. C. F. Haas. Des. 81,567; July 8.
- Lighting system, Emergency. R. T. Williams. 1,761,002; June 3.
- Lighting system, Emergency electric-. G. H. Whittingham. 1,753,101; Apr. 1.
- Lighting system, Exit and emergency. R. T. Williams. 1,770,055; July 8.
- Lighting unit. L. C. Doane. 1,743,848; Jan. 14.
- Lighting unit. H. J. Graham. 1,781,544; Nov. 11.
- Lighting unit. C. F. Haas. Des. 81,003; Apr. 22.
- Lighting unit. H. Y. Mageoch. 1,787,279; Dec. 30.
- Lighting unit. L. C. Packer. 1,783,519; Dec. 2.
- Lighting unit, Dustproof. L. C. Doane. 1,743,846; Jan. 14.
- Lighting unit, Sewing-machine. L. C. Packer. 1,783,544; Dec. 2.
- Lighting unit, Underwater. W. A. McKay and D. S. Gustin. 1,745,901; Feb. 4.
- Lighting unit, Vaporproof. J. A. Volk. 1,785,538; Dec. 16.
- Lighting unit, Vibrationproof. L. C. Doane. 1,743,847; Jan. 14.
- Lighting units, Head for. C. F. Haas. Des. 82,027; Sept. 16.
- Lightning arrester. L. S. Brach. 1,752,660; Apr. 1.
- Lightning arrester. V. F. Goodwin. 1,754,158; Apr. 8.
- Lightning arrester. G. F. Gray. 1,772,664; Aug. 12.
- Lightning arrester. G. F. Harrington. 1,778,829; Oct. 21.
- Lightning arrester. E. H. Jacobs. 1,755,324; Apr. 22.
- Lightning arrester. A. G. Steinmayer. 1,758,181; May 13.
- Lightning arrester. C. L. Weichelt. 1,744,847; Jan. 28.
- Lightning arrester and making the same. J. R. McFarlin. 1,763,667; June 17.
- Lightning protection. J. M. Cage. 1,743,526; Jan. 14.
- Lightning protection device, Condenser. A. O. Austin. 1,750,771; Mar. 18.
- Lightning throw-off device. E. G. Earnhardt. 1,778,891; Oct. 21.
- Limb, Artificial. J. Livingston. 1,774,715; Sept. 2.
- Lime cooking liquors in the manufacture of paper, Utilizing spent. A. L. Clapp. 1,758,247; May 13.
- Lime, Process of and apparatus for slaking. W. H. Henderson. 1,780,821; Nov. 4.
- Lime spreader. C. I. Lawder. 1,745,938; Feb. 4.
- Lime spreader. W. A. Lutz. 1,776,814; Sept. 30.
- Limestone for production of metallic magnesium, etc., Utilization of dolomite or magnesian. H. H. Dow and E. O. Barstow. 1,749,210; Mar. 4.
- Limit switch. L. P. Hutt. 1,774,440; Aug. 26.
- Limit switch. C. R. Kely. 1,784,672; Dec. 9.
- Limit switch. A. ter Vehn. 1,774,857; Sept. 2.
- Line-adjusting mechanism. E. Breitling. 1,760,870; June 3.
- Line clamp. A. L. Le Page. 1,759,485; May 20.
- Line follower. O. Erickson. 1,787,362; Dec. 30.
- Line level. A. E. Christensen. 1,785,296; Dec. 16.
- Lineman's chair. J. Blackburn. 1,743,100; Jan. 14.
- Line tapper. E. B. Normington. 1,771,270; July 22.
- Line tester. C. D. Williams. 1,769,248; July 1.
- Lined tank. F. A. Stevenson. 1,766,468; June 24.
- Liner, Adjustable. W. H. Johnston. 1,781,846; Nov. 18.
- Liner and treating the same. L. B. Sebrell. 1,749,743; Mar. 4.
- Liner and treating the same. L. B. Sebrell. 1,763,618; June 10.
- Liner, Compound. J. M. Hothersall. 1,746,396; Feb. 11.
- Liner puller. A. P. Ridenour. 1,762,796; June 10.
- Liner setter and puller. B. F. Blackmarr. 1,776,776; Sept. 30.
- Liner tucking attachment for lidding machines, Box. W. H. Poynter. 1,747,599; Feb. 18.
- Lining border. M. C. Sherman and L. P. Hoff. 1,754,775; Apr. 15.
- Lining, Coat. B. Kaplan and L. Rosenberg. 1,756,829; Apr. 29.
- Lining for articles of apparel. M. Weinstein. 1,774,577; Sept. 2.
- Lining for automobile hoods. R. J. Stephenson. 1,783,816; Dec. 2.
- Lining, Hat. I. Greenfield. 1,775,196; Sept. 9.
- Lining-trimming machine. J. A. Brogan. 1,760,112; May 27.
- Lining vessel for carrying out operations with liquids and the like. F. H. Bramwell. 1,787,101; Dec. 30.
- Linings, Device for applying. F. E. Wold and J. G. Whalen. 1,777,632; Oct. 7.
- Linings for molded boots, Manufacturing. A. A. Glidden, T. M. Knowland, and W. J. Duffy. 1,766,627; June 24.
- Lines or strands, Device for cleaning. S. Pilla. 1,748,900; Feb. 25.
- Lingerie clasp. M. Crawford. 1,784,482; Dec. 9.
- Link. J. B. Baxter. 1,749,096; Mar. 4.
- Link, Chain. J. L. Hogberg and J. A. Granskog. 1,744,765; Jan. 28.
- Link construction, Conveying. L. Llewellyn and C. L. Kenney. 1,771,411; July 29.
- Link for belts or chain saws. S. J. Bens. 1,779,083; Oct. 21.
- Link for chains, Connecting. S. D. Port. 1,754,042-3; Apr. 8.
- Link for cross chains, Repair. F. S. Duncan. 1,769,876; July 1.
- Link for hydraulic turbines. G. A. Biggs. 1,782,498; Nov. 25.
- Link for nonskid tire chains, Repair. J. M. Johnson. 1,757,252; May 6.
- Link for pull chains, Insulating. W. C. Tregoning. 1,769,245; July 1.
- Link for well-working tools, Supporting. F. E. Crotto. 1,745,742; Feb. 4.
- Link, Fusible. A. C. Rowley. 1,765,243; June 17.
- Link hook. O. A. Storaasli. 1,757,097; May 6.
- Link jewels, Articulation for. L. Rigollet and S. Zoppini. 1,777,679; Oct. 7.
- Link mat. J. H. Caldwell. 1,750,388; Mar. 11.
- Linking machine. A. L. N. Fleming. 1,759,822-3; May 20.
- Linking machine. J. B. Valton. 1,784,713; Dec. 9.
- Linoleum and producing the same, Inlaid. J. Tomec and F. Cubrda. 1,752,402; Apr. 1.
- Linoleum cutter. L. Kinkela. 1,757,531; May 6.
- Linoleum, Machine for the manufacture of inlaid. M. S. McConoughey. 1,763,315; June 10.

- Linoleum or similar hard-surfaced floor covering. G. M. Fauser. Des. 80,565; Feb. 25.
- Linoleum or similar hard-surfaced floor covering G. M. Fauser. Des. 81,873; Aug. 26.
- Linoleum or the like, Method of and apparatus for sheeting. M. S. McConoughey. 1,763,314; June 10.
- Linoleum-seam spreader. G. R. Nichols. 1,765,240; June 17.
- Linotype machines and similar purposes, Temperature-regulating attachment for. E. S. Halsey. 1,744,631; Jan. 21.
- Lintel construction. J. F. Makowski. 1,762,662; June 10.
- Lip-protecting, Holdfast. P. Fabian. 1,754,165; Apr. 8.
- Lip stick. S. Freeman. 1,766,990; June 24.
- Lip-stick device. J. Scrimgeour. 1,782,911; Nov. 25.
- Lip stick or similar article. C. L. Marcus. Des. 81,295; June 3.
- Liquefaction. W. L. De Baufre. 1,786,898; Dec. 30.
- Liquefaction apparatus. J. W. Davis. 1,744,108; Jan. 21.
- Liquid agitation cooler. C. J. Nagle. 1,750,726; Mar. 18.
- Liquid and gas contact apparatus. F. H. Wagner. 1,771,364; July 22.
- Liquid and gas contact apparatus. F. H. Wagner. 1,782,862; Nov. 25.
- Liquid, Antifreezing. H. G. Schmidt. 1,772,618; Aug. 12.
- Liquid-conductor heater. M. W. Hanks. 1,767,126; June 24.
- Liquid containers, Device for subdividing. J. Schlumpf. 1,758,335; May 13.
- Liquid contents of vessels, Apparatus for measuring the. D. D. Shewmon. 1,759,873; May 27.
- Liquid cooler. A. Conley. 1,783,641; Dec. 2.
- Liquid cooler. E. A. Forsberg. 1,774,705; Sept. 2.
- Liquid cooler. J. G. King. 1,750,893; Mar. 18.
- Liquid cooler. A. A. Kucher. 1,757,638; May 6.
- Liquid cooler. T. S. Merrylees. 1,754,756; Apr. 15.
- Liquid cooler. T. S. Merrylees. 1,761,086; June 3.
- Liquid-cooling system. D. H. Ebinger. 1,753,236; Apr. 8.
- Liquid-delivering apparatus. R. Meijer. 1,787,389; Dec. 30.
- Liquid-delivery apparatus. J. J. Hawxhurst. 1,742,208; Jan. 7.
- Liquid-delivery control. J. J. Hawxhurst. Re17,558; Jan. 7.
- Liquid dispenser, Sterilizable surgical. C. S. Brown and R. H. Tontrup, jr. 1,754,259; Apr. 15.
- Liquid-dispensing apparatus. A. W. Cleary. 1,752,941; Apr. 1.
- Liquid-dispensing apparatus. J. B. Davis. 1,746,382; Feb. 11.
- Liquid-dispensing apparatus. H. A. Jacob. 1,783,379; Dec. 2.
- Liquid-dispensing apparatus. G. W. Stedwell. 1,775,411; Sept. 9.
- Liquid-dispensing arrangement. W. S. Townsend and W. H. Parker. 1,752,934; Apr. 1.
- Liquid-dispensing comb. C. H. Bricker. 1,757,290; May 6.
- Liquid-dispensing device. C. F. Overpeck and F. M. Allen. 1,768,782; July 1.
- Liquid-dispensing device. F. E. Rice. 1,772,111; Aug. 5.
- Liquid-dispensing device. E. K. Skonberg. 1,784,795; Dec. 9.
- Liquid-dispensing machine, Automatic. R. E. Collins. 1,749,970; Mar. 11.
- Liquid-dispensing system. C. H. Ehlers. 1,762,965; June 10.
- Liquid-distributing system. J. Bijur. 1,755,629; Apr. 22.
- Liquid distributor. H. Feldmeier and C. B. Dalzell. 1,759,231; May 20.
- Liquid distributor. R. Porte. 1,746,165; Feb. 4.
- Liquid elevator. E. Détaint and A. Sourbé. 1,769,336; July 1.
- Liquid-expelling apparatus. J. Thiecke. 1,774,952; Sept. 2.
- Liquid-extracting means. U. G. Todd. 1,767,625; June 24.
- Liquid extractor. W. K. Ackerman. 1,753,732; Apr. 8.
- Liquid feeder, Automatic. O. B. Geer. 1,764,835; Apr. 17.
- Liquid-flow meter. M. O. Schur. 1,765,776; June 24.
- Liquid-flow regulator. C. W. Carter. 1,757,171; May 6.
- Liquid for gas holders, Handling sealing. F. H. Wagner. 1,771,515; July 29.
- Liquid for producing low temperatures for cooling purposes. A. Schmidt. 1,777,183; Sept. 30.
- Liquid from wells, Apparatus for removing. R. Deming. 1,779,932; Oct. 28.
- Liquid-fuel burner. E. R. Bradley. 1,776,380; Sept. 23.
- Liquid-fuel burner. J. M. Brown. 1,753,360; Apr. 8.
- Liquid-fuel burner. W. O. Horne. 1,752,000; Mar. 25.
- Liquid fuel burner. W. Rueggeger. 1,754,573; Apr. 15.
- Liquid-fuel burner. H. F. Schmidt. 1,762,356; June 10.
- Liquid handling device. L. H. Wheeler. 1,782,702; Nov. 25.
- Liquid-handling means. E. W. Davis. 1,778,936; Oct. 21.
- Liquid heater. F. D. Blauvelt. 1,766,480; June 24.
- Liquid heater. W. D. La Mont. 1,748,574; Feb. 25.
- Liquid heater. B. M. Schauman. 1,747,184; Feb. 18.
- Liquid heater, Magnetic. R. R. Goshorn. 1,750,958; Mar. 18.
- Liquid injector, Carbon-removing. C. W. McKinley. 1,761,931; June 3.
- Liquid in the radiators of motor vehicles, Device for indicating the level and temperature of. W. S. Thimblethorpe. 1,776,170; Sept. 16.
- Liquid-level gauge. M. E. Cheney. 1,775,273; Sept. 9.
- Liquid-level gauge. H. J. Desazant. 1,772,626; Aug. 12.
- Liquid-level gauge. D. H. Reeves. 1,758,975; May 20.
- Liquid-level gauge, Pressure-controlled. P. E. Miquelon. 1,771,646; July 29.
- Liquid-level-indicating system. J. D. Sartakoff. 1,757,061; May 6.
- Liquid-level indicator. R. J. Anschicks. 1,768,946; July 1.
- Liquid-level indicator. T. M. Eynon. 1,756,347; Apr. 29.
- Liquid-level indicator. T. M. Eynon. 1,782,233; Nov. 18.
- Liquid-level indicator. L. L. King. 1,771,794; July 29.
- Liquid-level indicator. P. F. Rice. 1,767,699; June 24.
- Liquid-level indicator. E. A. Rockwell. 1,759,806; May 20.
- Liquid-level indicator for vehicles. F. M. Bussière. 1,774,127; Aug. 26.
- Liquid-level indicator, Remote. C. Clench and W. Smith. 1,746,105; Feb. 4.
- Liquid-measuring apparatus. A. Lanser. 1,783,510; Dec. 2.
- Liquid-measuring device. J. M. Mayhall and H. C. Morrison. 1,780,598; Nov. 4.
- Liquid meter. R. S. Bassett. 1,762,949; June 10.
- Liquid meter. R. S. Bassett. 1,763,213; June 10.
- Liquid meter. E. B. Nichols. 1,777,806; Oct. 7.
- Liquid meter, Automatic. O. A. son Alvring. 1,770,898; July 22.
- Liquid meter, Automatic recording. M. C. Carbonaro. 1,768,031; June 24.
- Liquid-metering tank. W. B. Knickerbocker. 1,767,244; June 24.
- Liquid, Method and apparatus for deaerating and evaporating. W. S. Elliott. 1,758,566; May 13.
- Liquid mixer. R. M. Bagley. 1,769,904; July 1.
- Liquid mixing and cooling device. W. C. Sanford, jr. 1,786,129; Dec. 23.
- Liquid mixture of low-freezing point. G. Reinhart, jr. 1,768,632; July 1.
- Liquid of low freezing point for cooling and for sealing vessels and the like. O. Jordan. 1,780,927; Nov. 11.
- Liquid-overflow-control means. W. C. MacMillen. 1,783,249; Dec. 2.
- Liquid package, Self-dispensing. J. F. Werder. 1,762,903; June 10.
- Liquid partial-oxidation product mixtures and products thereof, Treating. J. H. James. 1,753,516; Apr. 8.
- Liquid partial-oxidation products, Treating. J. H. James. 1,753,517; Apr. 8.
- Liquid possessing a low freezing point, Production of a cooling. F. Werner. 1,771,517; July 29.
- Liquid-processing apparatus. E. B. Nichols. 1,778,810; Oct. 21.
- Liquid-processing apparatus. E. B. Nichols. 1,780,794; Nov. 4.
- Liquid-processing apparatus. E. B. Nichols and U. G. Todd. 1,753,062; Apr. 1.
- Liquid purifier, Centrifugal. J. W. Adams. 1,781,676; Nov. 18.
- Liquid-purifying device. G. B. Allen. 1,771,519; July 29.
- Liquid-purifying device. J. H. Stockholder. 1,760,216; May 27.
- Liquid-reserve device. H. Lowe. 1,759,861; May 27.
- Liquid-reserve tank. R. H. Gillespie. 1,751,456; Mar. 18.
- Liquid-sampling device. G. M. Aron. 1,769,660; July 1.
- Liquid seal between spaces in which different pressures prevail. B. Altenkirch. 1,772,476; Aug. 12.
- Liquid-seal trap, Antisiphonic. J. McDermid. 1,781,683; Nov. 18.
- Liquid separator. K. W. Gale. 1,776,554; Sept. 23.
- Liquid supersaturated solution of thiocarbamide. P. Siedler and A. Moeller. 1,780,634; Nov. 4.
- Liquid-supply apparatus. W. A. Chryst and H. C. Walters. 1,749,318; Mar. 4.
- Liquid-supply-indicating device switch. F. J. Brannen. 1,769,173; July 1.
- Liquid-supply system. G. Dean and H. Ainsley. 1,752,261; Mar. 25.
- Liquid-tank-level gauge. J. Fentress. 1,758,077; May 13.
- Liquid-testing device. J. M. Mayhall and H. C. Morrison. 1,780,597; Nov. 4.
- Liquid, The slow feeding of. M. R. Wolfard. 1,779,154; Oct. 21.
- Liquid to drums of concrete or other mixing machines, Supplying. J. F. Burn and J. S. Lancaster. 1,767,430; June 24.
- Liquid-treating apparatus, Portable. A. Jensen. 1,759,405; May 20.
- Liquid-treating device. E. Haslett. 1,774,004; Aug. 26.
- Liquid treatment. A. S. Behrman. 1,756,275; Apr. 29.
- Liquid-whipping apparatus. W. Jensen. 1,782,095; Nov. 18.
- Liquids, Aldehyde-free, alcoholic. H. Heuser. 1,785,447; Dec. 16.
- Liquids and solids, Continuous separation of. H. C. Behr. 1,749,368; Mar. 4.
- Liquids and solids, Separating. T. A. Bryson. 1,772,336; Aug. 5.
- Liquids, Apparatus for carbonating. A. E. Becker. 1,749,625; Mar. 4.
- Liquids, Apparatus for circulation of. R. F. McKay, H. Willshaw, W. G. Gorham, and R. F. Lee. 1,777,648; Oct. 7.

- Liquids, Apparatus for continuous distillation of difficultly-distillable. H. A. von Staden, A. Berenbruch, and A. Höhn. 1,766,699; June 24.
- Liquids, Apparatus for controlling density or viscosity of. C. O. Lavett. 1,765,433; June 24.
- Liquids, Apparatus for delivering measured quantities of. J. J. M. Gueux. 1,780,127; Oct. 28.
- Liquids, Apparatus for dialyzing. O. M. Urbain. 1,777,057; Sept. 30.
- Liquids, Apparatus for distilling. W. E. Sanger. 1,743,289; Jan. 14.
- Liquids, Apparatus for heating and cooling. F. G. Cornell, jr. 1,759,440; May 20.
- Liquids, Apparatus for lifting or circulating. C. F. Hammond. 1,769,833; July 1.
- Liquids, Apparatus for measuring the flow of. W. G. Kent and E. W. Hovenden. 1,783,880; Dec. 2.
- Liquids, Apparatus for mixing. F. Duwe. 1,786,009; Dec. 23.
- Liquids, Apparatus for packaging. J. T. Glekler. 1,742,207; Jan. 7.
- Liquids, Apparatus for proportioning. P. W. Craig. 1,749,180; Mar. 4.
- Liquids, Apparatus for pumping. F. A. Hatfield. 1,752,739; Apr. 1.
- Liquids, Apparatus for spraying. T. C. Smith. 1,743,245; Jan. 14.
- Liquids, Apparatus for supplying antiknock. E. W. Evans. 1,758,897; May 13.
- Liquids, Apparatus for treating. A. Jensen. 1,772,898; Aug. 12.
- Liquids, Atomizing and drying. A. Nyrop. 1,762,026; June 3.
- Liquids, Automatic dispenser for. E. Herbst and H. Kohler. 1,786,302; Dec. 23.
- Liquids, Automatically-operating mechanism for elevating. R. D. Lentz. 1,749,144; Mar. 4.
- Liquids, Clarifying. S. H. Brakensiek. 1,775,233; Sept. 9.
- Liquids, Control member for. P. W. Des Roches. 1,783,959; Dec. 9.
- Liquids, Cooling of. T. S. Merrylees. 1,761,085; June 3.
- Liquids, Degasification of. R. W. Cadman. 1,749,561; Mar. 4.
- Liquids, Device for controlling the discharge of. I. Herzbrun. 1,777,434; Oct. 7.
- Liquids, Device for vaporizing. J. D. Lalor. 1,750,602; Mar. 11.
- Liquids, Distilling. W. E. Sanger. 1,743,488; Jan. 14.
- Liquids from containers, Controlling the discharge of. G. S. Jones. 1,762,059; June 3.
- Liquids in flying machines, Accommodation of. C. Dornier. 1,781,446; Nov. 11.
- Liquids in measured quantities, Apparatus for dispensing. J. C. Beckfield. 1,774,349; Aug. 26.
- Liquids in measured quantities by volume, Apparatus for delivery. G. Wray. 1,755,756; Apr. 22.
- Liquids in measured quantity, Apparatus for dispensing. P. Huber. 1,748,044; Feb. 18.
- Liquids in receptacles, Device for increasing circulation of. E. S. Alexander. 1,779,413; Oct. 28.
- Liquids into constituents possessing a low boiling point and constituents possessing a high boiling point by distillation and rectification, Apparatus for separating. A. Messer. 1,780,563; Nov. 4.
- Liquids, Material for use in treatment of. C. A. Miketta. 1,756,906; Apr. 29.
- Liquids, Measuring. T. E. Baker. 1,766,581; June 24.
- Liquids, Method and apparatus for dispensing. E. G. Bronson and J. W. Russell. 1,782,678; Nov. 25.
- Liquids, Method and apparatus for treating. J. R. McDermet. 1,742,998-9; Jan. 7.
- Liquids of different densities, Apparatus for separating. F. Pink. 1,754,119; Apr. 8.
- Liquids of different specific gravities, Separation of. W. A. White. 1,761,505; June 3.
- Liquids, Process and apparatus for distilling. J. Delattre-Seguy. 1,782,810; Nov. 25.
- Liquids, Process and apparatus for producing cooling. N. Dahl. 1,777,913; Oct. 7.
- Liquids, Producing nonturbulent circulation of. J. F. Wait. 1,765,386; June 24.
- Liquors, Purification of zinc sulphate. O. A. Fischer. 1,761,782; June 3.
- Liquids, Regulation in the output of. M. Goudard. 1,743,966; Jan. 14.
- Liquids, Separator for the treatment of mixtures of mutually-insoluble. H. J. Holford. 1,756,862; Apr. 29.
- Liquids, Sterilizing and preserving. R. Seligman. 1,757,880; May 6.
- Liquids such as molten metal, Apparatus for pouring. A. W. Morris and S. P. Wetherill, jr. 1,749,083; Mar. 4.
- Liquids, System for the pasteurization of. F. F. Van Tuyl. 1,765,550; June 24.
- Liquids, Treating waste. W. Polatsik. 1,746,964; Feb. 11.
- Liquids, Treatment of. W. S. Elliott. 1,776,019; Sept. 16.
- Liquids under pressure, Apparatus for dispensing. H. C. Moore and R. White. 1,778,427; Oct. 14.
- Liquor and product derived therefrom, Processing black. E. G. Goodell. 1,779,768; Oct. 28.
- Liquor, Dehydrating black. E. G. Goodell. 1,779,536; Oct. 28.
- Liquor obtained in the soda-pulp process, Treating and utilizing the black. E. Hägglund. 1,772,216; Aug. 5.
- Liquor, Treatment of black. L. Bradley and E. F. McKeefe. 1,779,226; Oct. 21.
- Liquor which contains sodium hydroxide, Production of cooking. L. Bradley and E. P. McKeefe. 1,754,208; Apr. 8.
- Liquors accruing from the treatment of cellulose material, Treating residual. P. A. Barbou. 1,749,557; Mar. 4.
- Liquors, Decolorizing caustic. G. A. Richter. 1,742,220; Jan. 7.
- Liquors from gas works, ammonia-recovery plants, tar factories, and similar industries, Biological purification of waste. H. Bach. 1,745,397; Feb. 4.
- Liquors, Regenerating black. E. G. Goodell. 1,779,537; Oct. 28.
- Liquors, Stabilizing bleaching. F. Draibach. 1,754,163; Apr. 8.
- Liquors, Treating ammoniacal. D. R. Means. 1,781,987; Nov. 18.
- Liquors, Treating black. E. G. Goodell. 1,779,535; Oct. 28.
- Liquors, etc., Treatment of residual. L. Bradley and E. P. McKeefe. 1,747,047; Feb. 11.
- Liquors, Treatment of residual. L. Bradley and E. P. McKeefe. 1,754,207; Apr. 8.
- Listening and selecting apparatus. A. Bloch. 1,784,172; Dec. 9.
- Listening apparatus for radiotelephony. F. Carbenay. 1,775,190; Sept. 9.
- Lister. L. H. Kaupke. 1,767,852; June 24.
- Listing machine. C. B. Edwards. 1,780,295; Nov. 4.
- Litharge, Method and apparatus for the manufacture of. E. Knapp and C. G. Allgrunn. 1,779,003; Oct. 21.
- Lithopones, Manufacture of. W. C. Hooley. 1,759,115-16; May 20.
- Litter-gathering device. A. H. Fisher. 1,780,748; Nov. 4.
- Load brake, Variable. J. N. Good. 1,750,635; Mar. 18.
- Load brake, Variable. J. C. McCune. 1,746,044; Feb. 4.
- Load brake, Variable. T. H. Thomas. 1,742,427; Jan. 7.
- Load-handling mechanism. E. H. Remde. 1,777,475; Oct. 7.
- Load-handling mechanism. F. Stoner. 1,757,150; May 6.
- Load-reducing means for conveyers. G. J. Meyer. 1,763,005; June 10.
- Load-regulating means. C. Sayres and D. C. Peabody. 1,783,142; Nov. 25.
- Loader. H. F. Gorsuch and A. S. Hughes. 1,785,119; Dec. 16.
- Loader. H. Strodthoff. 1,747,607; Feb. 18.
- Loader agitator for concrete-mixing machines. G. Jaeger. Re17,670; May 20.
- Loader and excavator, Wagon. R. C. Haiss. 1,771,753; July 29.
- Loader and sealing means therefor. C. M. Young, jr. 1,772,696; Aug. 12.
- Loader, Bag. F. Horsfall. 1,743,778; Jan. 14.
- Loader for fuel trucks, Automatic tank. C. E. Spinney. 1,780,605; Nov. 4.
- Loader, Hay. M. G. Kurth. 1,781,332; Nov. 11.
- Loader, Hay. W. O. Smith. 1,749,785; Mar. 11.
- Loader, Manure. J. P. Stapel. 1,758,014; May 13.
- Loader, Portable conveyer. J. P. Polster. 1,763,440; June 10.
- Loading and unloading apparatus. C. D. Young. 1,785,167-8; Dec. 16.
- Loading and unloading enameling furnaces, Apparatus for. L. J. Stevenson. 1,761,996; June 3.
- Loading and unloading method, Car. R. T. Romine. 1,751,717; Mar. 25.
- Loading apparatus. J. A. Amendolara. 1,763,560; June 10.
- Loading apparatus. C. F. Beasley. 1,770,640; July 15.
- Loading apparatus. R. S. Bolger. 1,763,499; June 10.
- Loading apparatus. J. P. Dovel. 1,773,478; Aug. 19.
- Loading apparatus. F. Graeb. 1,768,316; June 24.
- Loading automobiles and other vehicles, Reinforced hold down for. M. D. Tucker and C. L. Snyder. 1,783,102; Nov. 25.
- Loading block. C. B. Parsons. 1,770,427; July 15.
- Loading block. C. B. Parsons. 1,786,774; Dec. 30.
- Loading deck for automobiles. R. W. Quinnan. 1,769,387; July 1.
- Loading device. W. A. Freeman. 1,782,607; Nov. 25.
- Loading device. W. K. Liggett. 1,762,827; June 10.
- Loading device, Animal. E. Pfaum. 1,758,372; May 13.
- Loading device, Automatic. F. Hamrol. 1,781,873; Nov. 18.
- Loading device for concrete mixtures. J. E. Bushnell. 1,783,532; Dec. 2.
- Loading device for work holding. H. E. Kempton and K. F. Gallimore. 1,778,601; Oct. 14.
- Loading device, Self-cleaning. A. Van Caneghem. 1,747,336; Feb. 18.
- Loading devices, Operating mechanism for. J. H. Sirmans. 1,781,480; Nov. 11.
- Loading explosives. F. Olsen and C. J. Bain. 1,752,391; Apr. 1.
- Loading machine. A. D. Ferguson. 1,773,527; Aug. 19.
- Loading machine. A. Hauge. 1,778,595; Oct. 14.
- Loading machine. J. E. Jones, N. A. Newdick, and W. E. Moody. 1,762,060; June 3.
- Loading machine. N. D. Levin. 1,754,276; Apr. 15.
- Loading machine. N. D. Levin. 1,769,797; July 1.
- Loading machine. G. Manierre. 1,768,852; July 1.
- Loading machine. E. C. Morgan. 1,758,197-8; May 13.

- Loading machine. E. C. Morgan. 1,761,145; June 3.
 Loading machine. N. A. Newdick. 1,753,246; Apr. 8.
 Loading machine. N. A. Newdick. 1,762,071-2; June 3.
 Loading machine. L. F. Snyder. 1,754,699; Apr. 15.
 Loading machine. J. F. Thomson. 1,759,072; May 20.
 Loading machine, Coal-. N. D. Levin. 1,785,201; Dec. 16.
 Loading machinery. J. L. Clarkson. 1,750,876; Mar. 18.
 Loading mine cars, Apparatus for. J. A. Paisley. 1,762,074; June 3.
 Loading of conductors. J. J. Gilbert. 1,763,043; June 10.
 Loading of signaling conductors. V. E. Legg. 1,762,996; June 10.
 Loading or decking device for automobiles in freight cars. A. Copony. 1,749,758; Mar. 11.
 Loading platform. R. T. Romine. 1,745,043; Jan. 28.
 Loading shovel, Mechanical. S. R. C. Smith. 1,746,874; Feb. 11.
 Loading system. S. P. Mean and N. R. French. 1,769,959; July 8.
 Loading system. D. A. Quarles. 1,763,009; June 10.
 Loading system. T. E. Shea. 1,772,558; Aug. 12.
 Loaf-inverting mechanism for proofers. W. P. Elwood. 1,757,078; May 6.
 Loaves, Method and apparatus for forming. S. Chase, 4th. 1,762,159; June 10.
 Locater, Outlet. A. J. Peterson. 1,758,126; May 13.
 Lock: See—
 Automobile hood lock. Nut lock.
 Automobile lock. Panic exit lock.
 Bed-rail lock. Permutation lock.
 Belt lock. Pin lock.
 Bit lock. Push-rod lock.
 Blade lock. Rail lock.
 Bolt and nut lock. Rail-nut lock.
 Bolt lock. Railway-joint lock.
 Bracelet lock. Register lock.
 Burglarproof lock. Rim lock.
 Can-top lock. Rope lock.
 Car lock. Safety lock.
 Chisel retainer lock. Security lock.
 Chute lock. Signal lock.
 Closure lock. Spare-tire lock.
 Coincidental lock. Stake lock.
 Coin-controlled lock. Steering-shaft lock.
 Combination lock. Switch lock.
 Cylinder lock. Switch-point lock.
 Door lock. Switch-stand lock.
 Door tumbler lock. Table lock.
 Electric lock. Tank-cap lock.
 Elevator-door lock. Tank-closure lock.
 End-gate lock. Telephone lock.
 Film trapdoor lock. Tire-chain lock.
 Gas-cock lock. Tire lock.
 Gravity lock. Transmission lock.
 Hood lock. Trip lock.
 Ignition lock. Trunk lock.
 Ignition-switch lock. Valve lock.
 Incasing lock. Valve-stem lock.
 Indicator lock. Vehicle hood lock.
 Instrument lock. Vehicle lock.
 Key-imprisoning lock. Warp-beam lock.
 Keyless lock. Wheel lock.
 Lamp lock. Wheel-rim lock.
 Lever lock. Window lock.
 License and registry lock.
 Lock. E. P. Baird. 1,767,643; June 24.
 Lock. W. E. Bauerband. 1,768,021; June 24.
 Lock. L. L. Bresler. 1,785,335; Dec. 16.
 Lock. J. Carlin. 1,756,342; Apr. 29.
 Lock. P. E. Carlson and C. J. Ulrich. 1,765,824; June 24.
 Lock. M. Dermody. 1,748,598; Feb. 25.
 Lock. A. Dombrowski. 1,742,306; Jan. 7.
 Lock. E. R. Fox. 1,758,395; May 13.
 Lock. H. Glaser. 1,765,526; June 24.
 Lock. S. P. Goldberg. 1,786,648; Dec. 30.
 Lock. L. Graveure. 1,749,533; Mar. 4.
 Lock. J. C. Gregory. 1,766,784; June 24.
 Lock. J. R. Hogan. 1,759,401-2; May 20.
 Lock. J. Holtzman. 1,785,381; Dec. 16.
 Lock. E. N. Jacobi. 1,742,254; Jan. 7.
 Lock. E. N. Jacobi. 1,773,733; Aug. 26.
 Lock. H. C. Kennedy. 1,778,294; Oct. 14.
 Lock. C. P. Kramer. 1,771,382; July 22.
 Lock. A. T. Long. 1,747,121; Feb. 11.
 Lock. G. A. Long. 1,778,680; Oct. 14.
 Lock. L. E. Miquet. 1,783,971; Dec. 9.
 Lock. F. Perebenda. 1,777,105; Sept. 30.
 Lock. A. Pollak. 1,750,858; Mar. 18.
 Lock. A. Rebori. 1,758,620; May 13.
 Lock. J. E. Schylander. 1,764,056; June 17.
 Lock. P. Szczepczenski. 1,774,730; Sept. 2.
 Lock. E. F. Seaman. 1,770,812; July 15.
 Lock. S. Segal. 1,758,203; May 13.
 Lock. S. Segal. 1,764,895; June 17.
 Lock. S. Segal. 1,764,898; June 17.
 Lock. J. H. Shaw. 1,744,988; Jan. 28.
 Lock. William C. Shinn. 1,761,092; June 3.
 Lock. A. R. Smith. 1,752,968; Apr. 1.
 Lock. H. G. Smith. 1,744,340; Jan. 21.
 Lock. A. C. Stevens. 1,755,847; Apr. 22.
 Lock. V. Szymanski. 1,764,367; June 17.
 Lock. E. L. Teich. 1,784,208; Dec. 9.
 Lock. M. Tibbetts. 1,748,255; Feb. 25.
 Lock. A. Vaicickauckas. 1,765,186; June 17.
 Lock. J. K. Warren. 1,786,511; Dec. 30.
 Lock. J. M. Weaver. 1,772,790-1; Aug. 12.
 Lock. R. Wheeler. 1,758,872; May 13.
 Lock. W. Wolff. 1,777,951; Oct. 7.
 Lock and antirattling device, Burglarproof safety window. F. Pekar. 1,778,913; Oct. 21.
 Lock and control means for doors, Remote. C. J. Andrews. 1,755,585; Apr. 22.
 Lock and interlock, Transmission. R. Neef. 1,780,762; Nov. 4.
 Lock and key structure. F. Pucek. 1,750,542; Mar. 11.
 Lock and key therefor. G. A. Long. 1,765,280; June 17.
 Lock and latch mechanism. H. Hansen. 1,779,539; Oct. 28.
 Lock and locking method, Mechanical. W. G. Wilson. 1,785,924; Dec. 23.
 Lock and operator, Door. F. Ditchfield. 1,747,864; Feb. 18.
 Lock and vacuum sweepers, Handle. D. E. Lesperance. 1,786,210; Dec. 23.
 Lock apparatus, Door-controlling switch-. H. Kita. 1,743,357; Jan. 14.
 Lock cap, Fuel-tank. C. M. Rushing. 1,776,704; Sept. 23.
 Lock catcher, Split-. J. Sunnen. 1,764,185; June 17.
 Lock construction. H. F. Keil. 1,744,167; Jan. 21.
 Lock device. S. J. Goodwin. 1,781,813; Nov. 18.
 Lock device for dial telephones. R. B. Poliakov and E. I. Landress. 1,754,400; Apr. 15.
 Lock device, Nut-. N. Monnier. 1,778,368; Oct. 14.
 Lock for automobiles, Antitheft. E. M. Heidorn. 1,787,110; Dec. 30.
 Lock for automobiles, Gear. J. M. Dugan. 1,761,073; June 3.
 Lock for automobiles, Hill. F. J. Parsons. 1,760,207; May 27.
 Lock for calculating machines, Key. A. A. Horton and C. Marti. 1,767,673; June 24.
 Lock for casement sash, Sash. S. Madsen. 1,781,468; Nov. 11.
 Lock for car doors and the like, Safety. S. Pilla. 1,779,780; Oct. 28.
 Lock for centrifugal clothes driers, Lid. J. C. Nelson and P. E. Geldhof. 1,770,596; July 15.
 Lock for centrifugal extractors, Positive safety. C. W. Terwilliger. 1,770,956; July 22.
 Lock for connecting pins or bolts. C. M. Hannaford. 1,755,874; Apr. 22.
 Lock for counterbalanced elevator doors, Center. C. W. Peelle. 1,753,664; Apr. 8.
 Lock for double-acting file cabinets. E. Ohnstrand. 1,774,236; Aug. 26.
 Lock for end gates. V. F. Hutchins. 1,743,352; Jan. 14.
 Lock for extension ladders, Automatic. L. R. Foss. 1,746,643; Feb. 11.
 Lock for hospital bedsteads and the like, Side rail. F. Kusterle. 1,777,886; Oct. 7.
 Lock for incandescent lamps. R. C. Howell. 1,776,507; Sept. 23.
 Lock for looms, Beam. C. D. Brown. 1,765,322; June 17.
 Lock for loose-leaf binders. P. O. Unger. 1,759,426; May 20.
 Lock for motor-car doors, Supplemental. A. P. Young. 1,764,487; June 17.
 Lock for motor vehicles. E. F. Roberts. 1,755,935; Apr. 22.
 Lock for paper containers. J. A. Frost. 1,758,361; May 13.
 Lock for pay toilets. J. Smith. 1,767,622; June 24.
 Lock for rail joints, Nut. W. K. Wolford. 1,743,417; Jan. 14.
 Lock for railway box cars, Car-door. W. R. Hobbs. 1,776,559; Sept. 23.
 Lock for reflectors, Lens-holding. R. E. Major. 1,781,729; Nov. 18.
 Lock for spring constructions, Welt. C. V. Lovell. 1,764,878; June 17.
 Lock for steering gears, ignition and transmission of motor vehicles. Triple combination. J. P. McGlynn. 1,742,963; Jan. 7.
 Lock for trunks. L. W. Christophel. 1,770,066; July 8.
 Lock for valves. E. W. Roberts. 1,744,143; Jan. 21.
 Lock for wardrobe trunks. R. A. Totty. 1,748,003; Feb. 18.
 Lock for water-meter boxes and the like. G. W. Craven. 1,776,723; Sept. 23.
 Lock for windows and doors. G. Corbo. 1,767,435; June 24.
 Lock frame. M. Leventhal. Des. 80,627; Mar. 4.
 Lock joint. L. D. Lovekin. 1,784,492; Dec. 9.
 Lock means, Automobile. K. A. Brauning. 1,752,282; Mar. 25.
 Lock mechanism for automobiles. M. M. Mecklem and E. Harrison. 1,746,435; Feb. 11.
 Lock mechanism, Reverse. C. P. Cirac. 1,780,907; Nov. 11.
 Lock mounting. S. Segal. 1,748,801; Feb. 25.
 Lock nut. T. N. Bishop. 1,743,262; Jan. 14.
 Lock stand, Railway-switch-lever. E. G. Little. 1,771,183; July 22.
 Lock stop, Safety-. J. C. Wilhelm. 1,762,371; June 10.
 Lock strike. E. F. Brittingham. 1,762,326; June 10.
 Lock switch. A. E. Koffer. 1,785,906; Dec. 23.
 Lock-switch device for automobiles, Electric-circuit-control. F. J. Armstrong. 1,752,770; Apr. 1.

- Lock switch, Electrical. J. M. Van Splunter. 1,779,785; Oct. 28.
- Lock switches. H. E. Norviel. 1,750,538; Mar. 11.
- Lock washer. G. A. Aiken and J. R. Royston. 1,781,660; Nov. 11.
- Lock washer. R. E. Clegg. 1,784,269; Dec. 9.
- Lock washer. C. G. Olson. 1,782,387; Nov. 18.
- Lock washer. A. H. Thompson. 1,775,705; Sept. 16.
- Lock washer, Nonentangling. G. K. Garrett. 1,757,857; May 6.
- Lock washer, Noninterlinking nut-. H. E. Norwood. 1,753,313; Apr. 8.
- Lock washer, Spring nut-. H. G. Norwood. 1,786,502-3; Dec. 30.
- Lock washers, Mechanism for forming. C. G. Olson. 1,785,281; Dec. 16.
- Lock-replacing unit. E. Ohnstrand. 1,783,581; Dec. 2.
- Locked switch, Combination. E. E. Johnson. 1,774,098; Aug. 26.
- Locker construction. W. N. Vance. 1,748,319; Feb. 25.
- Locket. L. Baum. 1,752,719; Apr. 1.
- Locking a motor vehicle in gear, Device for. F. A. Bezek. 1,764,383; June 17.
- Locking apparatus, Substation. O. A. Shann. 1,762,746; June 10.
- Locking attachment for vault doors. A. Evensen. 1,754,386; Apr. 15.
- Locking bar for loose-leaf binders. E. J. Bloore. 1,746,883; Feb. 11.
- Locking bolt, Wheel-rim. L. V. Nogueira. 1,749,984; Mar. 11.
- Locking device. G. T. Irwin. 1,781,643; Nov. 11.
- Locking device. C. O. B. Lofgren. 1,786,352; Dec. 23.
- Locking device. J. C. Sheller. 1,758,337; May 13.
- Locking device. A. Thomas and F. E. Hallahan. 1,782,080; Nov. 18.
- Locking device. G. Watson. 1,752,824; Apr. 1.
- Locking device. W. F. Zimmermann. 1,750,340; Mar. 11.
- Locking device and brake alarm, Accelerator safety. J. G. Ellinger. 1,752,336; Apr. 1.
- Locking device, Chuck-. C. L. Mattison. 1,747,453; Feb. 18.
- Locking device, Doorknob. E. Ellingson. 1,755,434; Apr. 22.
- Locking device, Drawer-. M. Kurten. 1,744,645-6; Jan. 21.
- Locking device for adding-machine cases. G. J. Barrett. 1,743,261; Jan. 14.
- Locking device for automotive equipment. S. Wise. 1,787,134; Dec. 30.
- Locking device for automotive vehicles. F. D. Hardesty. 1,758,698; May 13.
- Locking device for automotive vehicles and the like. G. J. Meuer. 1,753,347; Apr. 8.
- Locking device for closet and lavatory doors. R. O. Kraselt. 1,751,821; Mar. 25.
- Locking device for conveyer pans. L. F. Geretz. 1,777,824; Oct. 7.
- Locking device for demountable vehicle bodies, Door-. B. F. Fitch. 1,774,429; Aug. 26.
- Locking device for differential mechanism. F. Focher, jr. 1,743,032; Jan. 7.
- Locking device for drawer sections. G. H. Wheary. 1,757,227; May 6.
- Locking device for drive bushings. L. J. Black. 1,758,426; May 13.
- Locking device for intermediate bushings. L. J. Black. 1,771,391; July 29.
- Locking device for lapping machines. M. A. Hoyt. 1,783,618; Dec. 2.
- Locking device for milk-can covers. W. Wingard and L. Verhulst. 1,773,507; Aug. 19.
- Locking device for motor cars and the like. G. Leiva. 1,746,432; Feb. 11.
- Locking device for skidding carriages. J. H. Dickinson. 1,742,498; Jan. 7.
- Locking device for spinning bucket covers. C. E. Coleman. 1,760,398; May 27.
- Locking device for throttle valves. J. F. Mock. 1,770,979; July 22.
- Locking device for weighing scales. J. H. Brant. 1,750,623; Mar. 18.
- Locking device, Interchangeable-character. M. J. Hogan. 1,748,984; Mar. 4.
- Locking device, Nut-. A. Kashtofsky. 1,750,523; Mar. 11.
- Locking device, Nut-. W. A. Lelean and D. C. Brown. 1,787,114; Dec. 30.
- Locking device, Pedal-. P. Perrelly. 1,770,801; July 15.
- Locking drawers and the like, Device for automatically. A. Evensen. 1,746,854; Feb. 11.
- Locking means, Adjusting-rod-. E. T. Waters. 1,757,787; May 6.
- Locking means, Car-door-. A. Campbell. 1,754,221; Apr. 15.
- Locking means, Cotter-pin-. G. T. Cooke. Re17,729; July 15.
- Locking means for assembled types. W. E. Reavis. 1,764,119; June 17.
- Locking means for caskets, shipping cases, and the like, Top-. L. A. Powell. 1,754,045; Apr. 8.
- Locking means for electrical apparatus. E. Wanamaker. 1,775,709; Sept. 16.
- Locking means for hookless fasteners for receptacles. C. A. Schmidt. 1,759,284; May 20.
- Locking means for receptacle closures. E. E. White. 1,747,200-5; Feb. 18.
- Locking means for swing yokes for molding machines. J. T. Ramsden. 1,748,729; Feb. 25.
- Locking means, Relay. A. G. Cooley. 1,742,235; Jan. 7.
- Locking mechanism. E. L. Dunn. 1,756,345; Apr. 29.
- Locking mechanism. C. A. Lee. 1,748,422; Feb. 25.
- Locking mechanism. M. J. Schwimer and J. A. Repcheck. 1,775,757; Aug. 26.
- Locking mechanism, Automobile. E. J. Martel. 1,743,225; Jan. 14.
- Locking mechanism, Automobile. E. C. Peterson. 1,771,310; July 22.
- Locking mechanism for containers, Head-. W. E. Wood and W. H. Bacheldor. 1,783,687; Dec. 2.
- Locking mechanism for doors. A. S. Barrows. 1,758,070; May 13.
- Locking mechanism for house cars, Door-. W. A. Beauchamp and K. J. Tobin. 1,745,885; Feb. 4.
- Locking mechanism for house cars, Door-. G. Madlan and K. J. Tobin. 1,767,251; June 24.
- Locking mechanism for switch stands. A. A. Adams. 1,779,266; Oct. 21.
- Locking mechanism for washing-machine cylinders, Door-. W. H. Jaxheimer. 1,747,718; Feb. 18.
- Locking mechanism, Safety. F. K. Fildes. 1,752,634; Apr. 1.
- Locking mechanism, Switch-. C. Christensen. 1,758,499; May 13.
- Locking mechanism, Vehicle. S. Svenson. 1,760,381; May 27.
- Locking plant for vehicle doors, Automatic. E. Welsch. 1,768,224; June 24.
- Locking screen doors and the like, Device for. J. E. Taylor. 1,785,882; Dec. 23.
- Locking throttle levers, Air-actuated mechanism for. W. M. Cross. 1,763,954; June 17.
- Locking washers, Material strip for use in the manufacture of. R. T. Hosking. 1,754,466; Apr. 15.
- Locking windshield wipers, Device for. A. S. Morris. 1,761,531; June 3.
- Locks or the like, Control for. H. S. Chase and W. R. Fletcher. Re17,797; Sept. 16.
- Lockup, Printer's. C. B. Reed. 1,775,734; Sept. 16.
- Locomotive. C. A. W. Brandt. 1,764,430; June 17.
- Locomotive. H. L. Ingersoll. 1,760,139; May 27.
- Locomotive. M. K. Ingoldby. 1,786,304; Dec. 23.
- Locomotive. W. F. Kiesel, jr. 1,785,485; Dec. 16.
- Locomotive. S. S. Riegel. 1,772,268; Aug. 5.
- Locomotive. S. M. Vauclain. 1,755,974; Apr. 22.
- Locomotive. S. M. Vauclain and H. Glaenger. 1,765,251; June 17.
- Locomotive. W. E. Woodard. 1,775,337; Sept. 9.
- Locomotive and method of operation. A. J. Townsend. 1,772,118; Aug. 5.
- Locomotive and operating same, Combustion-motor-driven. W. Lindner. 1,743,557; Jan. 14.
- Locomotive appliance. I. A. Seiders. 1,762,362; June 10.
- Locomotive-ash-pan structure. W. M. Sheehan. 1,745,123; Jan. 28.
- Locomotive bed and superstructure. A. W. Bruce. 1,780,001; Oct. 28.
- Locomotive-bell ringer, Electromagnetic. G. M. Bessant. 1,762,500; June 10.
- Locomotive boiler. O. H. Hartmann and W. Jung. 1,768,198; June 24.
- Locomotive boiler. W. F. Keenan, jr. 1,764,172; June 17.
- Locomotive boiler. N. T. McKee. 1,770,939; July 22.
- Locomotive boiler. A. W. Nelson. 1,754,761; Apr. 15.
- Locomotive booster. G. A. Anderson. 1,773,214; Aug. 19.
- Locomotive booster. M. T. Forker. 1,778,757; Oct. 21.
- Locomotive-booster support. F. R. Peters. 1,779,751; Oct. 28.
- Locomotive boosters, Flexible connection for. M. H. Roberts and F. R. Peters. 1,752,696; Apr. 1.
- Locomotive-bumper bracket. J. G. Blunt. 1,756,480; Apr. 29.
- Locomotive, Cable-reel. W. W. Sloane. 1,765,547; June 24.
- Locomotive center plate. H. K. Harwick. 1,745,215; Jan. 28.
- Locomotive center plate. H. K. Harwick. 1,759,695; May 20.
- Locomotive consisting of two vehicles provided with separate groups of wheels. E. O. Eriksson. 1,756,588; Apr. 29.
- Locomotive-control apparatus, Run-down and reset. M. E. Miller. 1,754,901; Apr. 15.
- Locomotive-control installation. T. E. and J. E. Clark. 1,774,227; Aug. 26.
- Locomotive cylinder and associated parts and manufacturing the same. S. Miller. 1,767,005; June 24.
- Locomotive draft appliance. W. T. Ray. 1,768,373; June 24.
- Locomotive draft appliance. E. L. Schellens. 1,753,906; Apr. 8.
- Locomotive drive mechanism. F. Rampacher. 1,764,348; June 17.
- Locomotive driving box. G. B. Ashworth. 1,779,111; Oct. 21.
- Locomotive driving box. L. L. Robinson, jr. 1,746,129; Feb. 4.
- Locomotive driving-box lubricator. G. H. Zouck. 1,777,540; Oct. 7.

- Locomotive-driving-rod journals, Method and mechanism for lubricating. R. S. Williams. 1,784,405; Dec. 9.
- Locomotive, Finely-divided-fuel-burning. G. W. Clendon. 1,781,319; Nov. 11.
- Locomotive frame. C. C. C. Burkhardt. 1,747,102; Feb. 11.
- Locomotive frame. B. K. Kirk. 1,755,925; Apr. 22.
- Locomotive frame. C. W. Werst. 1,759,675; May 20.
- Locomotive front end. E. L. Schellens and J. S. Coffin, jr. 1,753,905; Apr. 8.
- Locomotive, Gasoline-engine. W. C. Armstrong. 1,765,559; June 24.
- Locomotive grease cellar. C. P. Widdicombe. 1,742,677; Jan. 7.
- Locomotive grid screening. H. E. Gillette. 1,751,515; Mar. 25.
- Locomotive, High-pressure. C. A. W. Brandt. 1,764,431; June 17.
- Locomotive, High-pressure. O. H. Hartmann. 1,768,320; June 24.
- Locomotive, High-pressure articulated. L. W. Hance. 1,776,727; Sept. 23.
- Locomotive, Internal-combustion. C. C. C. Burkhardt and W. H. Pearson. 1,748,829; Feb. 25.
- Locomotive mud ring. W. M. Sheehan. 1,757,340; May 6.
- Locomotive, Reversible electric. L. Caruso. 1,766,329; June 24.
- Locomotive, Reversing auxiliary. J. A. McGrew. 1,742,610; Jan. 7.
- Locomotive sanding device. V. L. Frantz and O. O. Lemon. 1,784,051; Dec. 9.
- Locomotive-smoke-box front. H. Glaenger. 1,751,321; Mar. 18.
- Locomotive smoke-box front. H. K. Harwick. 1,771,921; July 29.
- Locomotive soot blower. F. Bowers. 1,773,473; Aug. 19.
- Locomotive stoker. N. M. Lower. 1,779,609; Oct. 28.
- Locomotive structure. W. O. Ashe. 1,780,457; Nov. 4.
- Locomotive structure. G. F. Driemeyer and E. C. Jackson. 1,780,466; Nov. 4.
- Locomotive structure. E. C. Jackson. 1,773,898; Aug. 26.
- Locomotive structure. O. S. Jackson. 1,779,598-9; Oct. 28.
- Locomotive structure. J. L. Mohun. 1,783,300; Dec. 2.
- Locomotive structure. H. Pfleger. 1,768,860; July 1.
- Locomotive structure. W. M. Sheehan. 1,766,406; June 24.
- Locomotive structure. J. C. Travilla, jr. 1,757,347; May 6.
- Locomotive tender. J. H. Ichter. 1,746,354; Feb. 11.
- Locomotive tender. J. E. Muhlfield. 1,753,211; Apr. 8.
- Locomotive tender. E. Ryan and E. R. Funk. 1,785,287; Dec. 16.
- Locomotive tenders, Water-retarding means for. H. M. Gray. 1,748,066; Feb. 25.
- Locomotive trailing truck. J. G. Blunt. 1,757,701; May 6.
- Locomotive, Turbine. W. W. Eraser. 1,757,242; May 6.
- Locomotive, Turbine-driven. A. Lysholm. 1,783,126; Nov. 25.
- Locomotive-wedge-bolt attachment. J. L. Gosnell. 1,748,340; Feb. 25.
- Locomotive-whistle-operating mechanism. C. D. Rafferty. 1,754,046; Apr. 8.
- Locomotives, Motor-driving connection for. A. Lipetz. 1,743,363; Jan. 14.
- Locomotives, Safety appliance for. J. G. Robinson. 1,773,753; Aug. 26.
- Locomotives, Steam pipe for. H. K. Harwick. 1,782,346; Nov. 18.
- Locomotives, Steam pipe for simple articulated. J. C. Maris. 1,758,845; May 13.
- Log barker. C. B. Thorne. 1,776,643; Sept. 23.
- Log grab, Lumberman's. C. L. Button. 1,751,905; Mar. 25.
- Log-impregnating machine. G. Lau and F. J. Pavelka. 1,742,960; Jan. 7.
- Log-splitting gun. T. Berg. 1,742,572-3; Jan. 7.
- Log, Stay. J. S. Stone. 1,786,460; Dec. 30.
- Log-transferring device. W. H. Wharton. 1,774,047; Aug. 26.
- Log turner. W. H. Winters. 1,764,817; June 17.
- Log turner for sawmills. I. V. Trullinger. 1,755,087; Apr. 15.
- Logging engine. S. B. Gorbitt. 1,760,828; May 27.
- Logging system. D. Lawson. 1,782,043; Nov. 18.
- Logs, Device for piling. G. Meyers. 1,775,941; Sept. 16.
- Logs, Process and apparatus for barking. O. A. Bartholomew. 1,781,942; Nov. 18.
- Logs, Seasoning. O. A. Bartholomew. 1,756,477; Apr. 29.
- Lollipop machine. M. Million. 1,756,375; Apr. 29.
- Loom. G. B. Ambler. 1,742,891; Jan. 7.
- Loom. G. B. Ambler. 1,747,098; Feb. 11.
- Loom. F. E. Ashton. 1,768,096; June 24.
- Loom. F. E. Ashton. 1,771,603; July 29.
- Loom. J. C. Brooks. 1,750,385; Mar. 11.
- Loom. J. S. Coldwell. 1,768,510; June 24.
- Loom. C. A. Coups. 1,744,212; Jan. 21.
- Loom. H. A. Davis. 1,763,613; June 10.
- Loom. J. H. Dodge. 1,782,987; Nov. 25.
- Loom. A. J. Harris. 1,772,080; Aug. 5.
- Loom. E. Herring. 1,762,717; June 10.
- Loom. W. Kahre. 1,745,543; Feb. 4.
- Loom. W. Nicolet. 1,752,804; Apr. 1.
- Loom. J. Thexton, jr., and H. Tomlinson. 1,752,621; Apr. 1.
- Loom. J. Thexton, jr., and H. Tomlinson. 1,753,457; Apr. 8.
- Loom. J. Thexton, jr., and H. Tomlinson. 1,753,840; Apr. 8.
- Loom. L. Viscolosi. 1,784,400; Dec. 9.
- Loom. W. S. Wells. 1,765,708; June 24.
- Loom apparatus, Weft-disengaging device for bullion-fringe. T. Klahre. 1,777,093; Sept. 30.
- Loom attachment. H. E. Hoffman. 1,758,042; May 13.
- Loom attachment. H. K. Martin. 1,756,093; Apr. 29.
- Loom, Circular. R. G. Clark. 1,761,293; June 3.
- Loom, Circular-weaving. C. Séry. 1,765,246; June 17.
- Loom, Combined power and hand. R. E. Walliser. 1,763,111; June 10.
- Loom crank-shaft box-cap bearing. I. D. Bridges. 1,754,195; Apr. 8.
- Loom, Crossbar and open-weave. W. Seville. 1,747,883; Feb. 18.
- Loom dobby. A. A. Gordon. 1,786,712; Dec. 30.
- Loom dobby. H. G. Pashoian. 1,766,835; June 24.
- Loom dobby, Two-weave. A. A. Gordon. 1,756,590; Apr. 29.
- Loom, Double-shuttle. R. G. Turner. 1,777,387; Oct. 7.
- Loom driving mechanism. W. E. Lundgren. 1,766,758; June 24.
- Loom, Electrically-driven. E. W. Stone and E. Martin. 1,782,945; Nov. 25.
- Loom, especially for heavy webs such as metallic wire webbing, Weaving. B. Hein. 1,762,393; June 10.
- Loom, Filling-replenishing. F. A. F. Schmid. 1,785,227; Dec. 16.
- Loom for making real knotted carpets, Automatic. M. Bányai. 1,752,140; Mar. 25.
- Loom for the manufacture of terry fabrics. R. Hrdina. 1,776,759; Sept. 23.
- Loom for weaving carpets and like fabrics. E. J. Perry. 1,759,322; May 20.
- Loom for weaving carpets and like tufted-pile fabrics. T. W. Head and E. J. Perry. 1,759,308; May 20.
- Loom for weaving fiber reed. G. E. Nordstrom. 1,749,840; Mar. 11.
- Loom for weaving tufted pile fabrics. T. W. Head. 1,767,758; June 24.
- Loom harness. J. J. Kaufmann. 1,783,793; Dec. 2.
- Loom, Leno or cross-weaving. I. Snow. 1,757,947; May 6.
- Loom let-off mechanism, Driving-rod connection for. T. E. Reid. 1,750,606; Mar. 11.
- Loom magazines, Thread-controlling device for. W. M. Wattie. 1,760,925; June 3.
- Loom mechanism. B. D. Hahn. 1,770,269; July 8.
- Loom, Needle. F. E. Ashton. 1,783,994; Dec. 9.
- Loom, Needle. W. S. Wells. 1,759,532; May 20.
- Loom, Needle weft-inserting. F. Walters. 1,772,973; Aug. 12.
- Loom operating device. K. Werner. 1,767,906; June 24.
- Loom picker. J. H. Chadbourne. 1,743,061; Jan. 7.
- Loom picker. V. Weiss. 1,787,182; Dec. 30.
- Loom pickers, Machine for forming. W. A. Bohne. 1,780,111; Oct. 28.
- Loom pickers, Machine for manufacturing. J. H. Chadbourne. 1,773,345; Aug. 19.
- Loom, Pile-fabric. E. W. Stone. 1,742,881; Jan. 7.
- Loom, Pile-fabric. E. W. Stone. 1,771,662; July 29.
- Loom, Removing the harness and stopping instrumentalities from a. J. H. Becker. 1,784,127; Dec. 9.
- Loom-shedding mechanism. W. S. Wells. 1,759,530; May 20.
- Loom shedding-mechanism control. R. Crompton. 1,754,613; Apr. 15.
- Loom shuttle, Automatically-threading. H. A. Davis. 1,761,617; June 3.
- Loom shuttle, Automatically-threading. C. H. Draper. 1,765,327; June 17.
- Loom, Shuttle-changing. A. J. Chevette. 1,753,233; Apr. 8.
- Loom shuttle, Self-threading. P. A. Millis and M. Johnson. 1,761,989; June 3.
- Loom stopping and let-back mechanism. H. H. Burdett. 1,769,942; July 8.
- Loom tape selvage-motion, Hanger and bearing. R. P. Rearden. 1,769,460; July 1.
- Loom temple. A. E. Burgess. 1,778,290; Oct. 14.
- Loom temple. H. J. Myers. 1,756,520; Apr. 29.
- Loom temple, Intermittent thread-cutting. H. H. Burdett. 1,775,034; Sept. 2.
- Loom, Weaving. M. C. H. O. Lecocq. 1,760,948; June 3.
- Loom, Weft-replenishing. V. Geronimo. 1,777,357; Oct. 7.
- Loom, Weft-replenishing. A. A. Gordon. 1,766,895; June 24.
- Loom, Weft-replenishing. V. H. Jennings. 1,786,659; Dec. 30.
- Loom, Weft-replenishing. J. B. Olch. 1,760,958; June 3.
- Looms, Attachment for. R. Pormann. 1,782,099; Nov. 18.
- Looms, Automatic bobbin-changing mechanism for. N. I. Asafoff. 1,751,224; Mar. 18.
- Looms, Automatic stop for double-pile-fabric. C. A. Bondziulis. 1,762,382; June 10.

- Looms, Automatic stop mechanism for. J. Bernini. 1,776,576; Sept. 23.
- Looms, Beater mechanism for. J. Lucas. 1,747,722; Feb. 18.
- Looms, Box motion for. W. E. Lundgren. 1,760,950; June 3.
- Looms, Chain guard for narrow-ware. E. R. Holmes. 1,766,903; June 24.
- Looms, Cloth temple for. N. G. Glattfelter. 1,774,435; Aug. 26.
- Looms, Combined filling and warp stop motion for. J. Regan. 1,756,606; Apr. 29.
- Looms, Compensating device for. C. Shaum. 1,768,934; July 1.
- Looms, Controlling weft ends in automatic. R. G. Turner. 1,756,709; Apr. 29.
- Looms, Crack preventer for. W. A. Tebo. 1,745,129; Jan. 28.
- Looms, Design-weaving attachment for. R. G. Clark. 1,769,052; July 1.
- Looms, Dobby lever for. A. A. Gordon and R. M. Cook. 1,766,744; June 24.
- Looms, Electric stop motion for. T. C. Wagner. 1,770,562; July 15.
- Looms, Employing weft-thread inserters, Weft-thread control device for shuttleless. J. Gabler. 1,746,465; Feb. 11.
- Looms, End-holding means for weft-replenishing. R. G. Turner. 1,766,731; June 24.
- Looms, Feeler mechanism for. H. A. Davis. 1,761,618; June 3.
- Looms, Feeler mechanism for. C. H. Draper. 1,761,621; June 3.
- Looms, Feeler mechanism for. P. F. O'Brien. 1,783,518; Dec. 2.
- Looms, Feeler mechanism for. J. W. Simpson. 1,747,991-7; Feb. 18.
- Looms, Feeler motion for. F. Zwiebel. 1,755,907; Apr. 22.
- Looms for weaving, Shuttle-releasing motion of. R. Holden. 1,776,626; Sept. 23.
- Looms for weaving, Stop motion for. T. Pilling. 1,772,430; Aug. 5.
- Looms, Harness-controlling mechanism for. A. Edelstein and G. Kis. 1,759,047; May 20.
- Looms, Harness shaft for. W. E. Wall. 1,764,917; June 17.
- Looms, Harness-sheave stand for. A. E. Brickman. 1,786,696; Dec. 30.
- Looms, Harness-sheave stand for. A. D. Gargolinski. 1,786,710; Dec. 30.
- Looms, Harness-tape-selvage motion for. E. P. Taft, P. L. Videtto, and J. A. Gaddy. 1,748,001; Feb. 18.
- Looms, Intermittent feeler mechanism for. E. D. MacArthur. 1,761,576; June 3.
- Looms, Intermittent needle motion for Axminster. A. P. Paine. 1,760,960; June 3.
- Looms, Jaw temple for. C. H. Draper. 1,776,230; Sept. 16.
- Looms, Lay and shuttle box for. J. F. Colgan. 1,786,703; Dec. 30.
- Looms, Lay-driving mechanism for. W. W. Robertson. 1,752,459; Apr. 1.
- Looms, Let-off for. W. H. Baker. 1,749,120; Mar. 4.
- Looms, Let-off for narrow-ware. E. R. Holmes. 1,786,657; Dec. 30.
- Looms, Let-off mechanism for. H. H. Burdett. 1,761,611; June 3.
- Looms, Let-off mechanism for. H. A. Davis. 1,749,131; Mar. 4.
- Looms, Let-off mechanism for. C. H. Draper. 1,754,196; Apr. 8.
- Looms, Let-off mechanism for. C. H. Draper. 1,758,738; May 13.
- Looms, Let-off mechanism for. C. H. Draper. 1,783,779; Dec. 2.
- Looms, Let-off mechanism for. E. R. Holmes. 1,752,488; Apr. 1.
- Looms, Let-off mechanism for. R. A. Kearsley. 1,783,719; Dec. 2.
- Looms, Let-off mechanism for. W. S. Wells. 1,759,531; May 20.
- Looms, Let-off motion for narrow-fabric. H. Haywood. 1,760,236; May 27.
- Looms, Mechanism for Jacquard. C. A. Fisher and C. J. Ketner. 1,773,528; Aug. 19.
- Looms, Multicolor magazine for. W. M. Wattie. 1,786,688; Dec. 30.
- Looms, Needle motion for Axminster. O. V. Payne. 1,761,277; June 3.
- Looms on cables, Device for holding. H. E. Walker. 1,786,585; Dec. 30.
- Looms, Outgoing-thread control for automatically replenishing. H. H. Burdett. 1,768,502; June 24.
- Looms, Pick mechanism for. B. F. Hobson. 1,744,225; Jan. 21.
- Looms, Picker-stick retriever for. A. D. Gargolinski. 1,786,709; Dec. 30.
- Looms, Picking motion for. A. A. Gordon. 1,777,360; Oct. 7.
- Looms, Picking motion for. A. A. Gordon and I. H. Verry. 1,760,981; June 3.
- Looms, Picking motion for. E. R. Holmes. 1,777,368; Oct. 7.
- Looms, Pile-shearing mechanism for pile-fabric-making. J. A. Coyle. 1,775,515; Sept. 9.
- Looms, Protector mechanism for. E. W. Stone. 1,742,882; Jan. 7.
- Looms, Protector mechanism for. R. G. Turner. 1,756,610; Apr. 29.
- Looms, Protector mechanism for. K. J. Unwin. 1,769,402; July 1.
- Looms, Protector mechanism for. W. H. Wakefield. 1,760,970-1; June 3.
- Looms, Resetting mechanism for weft-replenishing. P. D. Doherty. 1,786,706; Dec. 30.
- Looms, Resilient thread holder for weft-replenishing. J. F. Tinsley. 1,766,851; June 24.
- Looms, Revoker for weft-replenishing. W. H. King. 1,766,909; June 24.
- Looms, Safety device for. F. D. Saylor. 1,775,325; Sept. 9.
- Looms, Selvage device for. R. M. Hughes and V. W. Kay. 1,746,773; Feb. 11.
- Looms, Shed-diverting means for. A. E. Benson. 1,749,123; Mar. 4.
- Looms, Shedding mechanism for. J. C. Brooks. 1,776,102; Sept. 16.
- Looms, Shuttle-box construction for. J. F. Colgan. 1,786,702; Dec. 30.
- Looms, Shuttle box for. C. H. Draper. 1,775,035; Sept. 2.
- Looms, Shuttle-box motion for. L. Lettman, jr. 1,757,319; May 6.
- Looms, Shuttle-feeler mechanism for. E. E. Bass. 1,783,768; Dec. 2.
- Looms, Shuttle-guard device for shuttles without threading device for automatic. E. Egli. 1,782,604; Nov. 25.
- Looms, Shuttle guide for. J. E. Harding. 1,765,266; June 17.
- Looms, Shuttle mechanism for. J. Lucas and A. F. Case. 1,745,497; Feb. 4.
- Looms, Spring tension appliance for. H. R. Reimard and V. A. Starr. 1,746,166; Feb. 4.
- Looms, Stop motion for box. V. H. Jennings. 1,766,907; June 24.
- Looms, Stopping mechanism for. W. Crutchlow. 1,751,979; Mar. 25.
- Looms, Take-up device for ribbon. G. Lüdorf. 1,750,533; Mar. 11.
- Looms, Take-up mechanism for. E. W. Stone. 1,748,000; Feb. 18.
- Looms, Temple for double-fabric. R. G. Turner. 1,786,684; Dec. 30.
- Looms, Tension mechanism for. F. J. Mantel. 1,774,147; Aug. 26.
- Looms, Thread clearer for. R. G. Turner. 1,760,969; June 3.
- Looms, Thread cutter for weft-replenishing. S. A. Nelson. 1,766,761; June 24.
- Looms, Thread-cutting jaw temple for. H. H. Burdett. 1,776,229; Sept. 16.
- Looms, Thread holder and tensioner for weft-replenishing. S. A. Nelson. 1,766,832; June 24.
- Looms, Thread holder for weft-replenishing. H. S. Favor. 1,766,889; June 24.
- Looms, Thread holder for weft-replenishing. A. A. Gordon. 1,760,982; June 3.
- Looms, Thread holder for weft-replenishing. O. V. Payne. 1,777,377; Oct. 7.
- Looms, Thread holder for weft-replenishing. J. F. Tinsley. 1,766,850; June 24.
- Looms, Thread-parting mechanism for. H. A. Davis. 1,765,324; June 17.
- Looms, Thread-parting mechanism for filling-replenishing. F. Harris. 1,761,625; June 3.
- Looms, Transfer and feeler control mechanism for shuttle-changing. A. J. Chevette. 1,749,934; Mar. 11.
- Looms, Transfer mechanism for. H. M. Jeffrey. 1,781,514; Nov. 11.
- Looms, Tube frame for Axminster. A. P. Paine. 1,766,834; June 24.
- Looms, Tube frame for Axminster. W. W. Robertson. 1,760,963; June 3.
- Looms, Tuft-yarn frame for. C. C. Alvord. 1,744,433; Jan. 21.
- Looms, Warp-stop mechanism for. C. D. Brown. 1,751,304; Mar. 18.
- Looms, Warp stop mechanism for. C. D. Brown. 1,755,097; Apr. 15.
- Looms, Warp stop mechanism for. J. E. McCarvey. 1,742,776; Jan. 7.
- Looms, Warp-stop motion for. T. A. B. Carver. 1,775,887; Sept. 16.
- Looms, Warp stop motion for. J. Northrop. 1,772,757; Aug. 12.
- Looms, Warp stop motion for. G. H. Shutt. 1,766,804; June 24.
- Looms, Warp stop motion for. W. H. Wakefield. 1,756,611; Apr. 29.
- Looms, Warp stop motion for terry towel. J. Regan. 1,786,675; Dec. 30.
- Looms, Weft carrier for weft-replenishing. C. H. Draper. 1,754,197; Apr. 8.
- Looms, Weft detector for. C. P. Bergstrom. 1,777,346; Oct. 7.
- Looms, Weft detector for. O. V. Payne. 1,766,836; June 24.

- Looms, Weft replenishing for double-shuttle. S. Stewart, M. L. Allen, and S. O. Roy. 1,766,729; June 24.
- Looms, Weft-replenishing mechanism for double-shuttle. R. G. Turner. 1,752,405; Apr. 1.
- Looms, Weft-replenishing mechanism for pick-and-pick. S. A. Nelson. 1,766,831; June 24.
- Looms, Weft stop mechanism for. J. B. Jackson. 1,782,782; Nov. 25.
- Looms, Yieldable bobbin support for weft-replenishing. W. H. King. 1,766,753; June 24.
- Loop drier. A. O. Hurxthal. 1,755,006; Apr. 15.
- Loop-positioning device. F. R. Page. 1,774,397; Aug. 26.
- Loop retainer and mechanism therefor. L. N. D. Williams and H. Swinglehurst, jr. 1,782,375; Nov. 18.
- Looper and knitter, Automatic. H. H. Wanders. 1,763,731; June 17.
- Loose-leaf device, Visible. C. A. Finley. 1,765,141; June 17.
- Loose-leaf device, Visible. C. A. Finley. 1,765,225; June 17.
- Loose-leaf sheet. J. Selden. 1,769,395; July 1.
- Loose material, Method and apparatus for projecting. B. H. Schieldrop. 1,750,864; Mar. 18.
- Loud-speaker. C. R. Albertus. 1,754,928; Apr. 15.
- Loud-speaker. N. Baldwin. 1,778,711; Oct. 21.
- Loud-speaker. R. A. Beausejour. 1,746,377; Feb. 11.
- Loud-speaker. F. R. Beckett. 1,765,257; June 17.
- Loud-speaker. L. M. Clement. 1,745,405; Feb. 4.
- Loud-speaker. C. G. Cook. 1,762,050; June 3.
- Loud-speaker. L. H. Davis and R. T. Kingsford. 1,767,837; June 24.
- Loud-speaker. L. de Forest and R. Halpenny. 1,785,377; Dec. 16.
- Loud-speaker. W. Dubiller. 1,755,630; Apr. 22.
- Loud-speaker. R. H. Foley. 1,775,453; Sept. 9.
- Loud-speaker. A. O. Goodyear. 1,764,015; June 17.
- Loud-speaker. M. C. Hopkins. 1,763,048-50; June 10.
- Loud-speaker. M. C. Hopkins. 1,763,051-5; June 10.
- Loud-speaker. W. O. Hoster. 1,746,894; Feb. 11.
- Loud-speaker. C. A. Hoxie. 1,752,909; Apr. 1.
- Loud-speaker. M. R. Hutchison. 1,759,556; May 20.
- Loud-speaker. M. R. Hutchison. 1,784,594; Dec. 9.
- Loud speaker. E. W. Kellogg. 1,758,797; May 13.
- Loud-speaker. J. E. Kiernan. 1,756,201; Apr. 29.
- Loud-speaker. G. H. T. Larsen. 1,763,399; June 10.
- Loud-speaker. M. V. Osborne. 1,748,790; Feb. 25.
- Loud-speaker. E. Reichel. 1,770,494; July 15.
- Loud-speaker. F. J. Reichmann. 1,748,996; Mar. 4.
- Loud-speaker. W. Sefton and P. Sefton. 1,773,605; Aug. 19.
- Loud-speaker. C. E. Semple, jr. 1,778,693; Oct. 14.
- Loud-speaker. F. L. Stine. 1,776,709; Sept. 23.
- Loud-speaker. J. McW. Stone. Des. 81,030; Apr. 22.
- Loud-speaker. A. A. Thomas. 1,767,777; June 24.
- Loud-speaker. J. Weinberger and I. Wolff. 1,760,862; May 27.
- Loud-speaker and circuit therefor. C. L. Farrand. 1,784,486; Dec. 9.
- Loud-speaker armature. N. Baldwin. 1,772,125; Aug. 5.
- Loud-speaker diaphragm mounting. J. B. Deane. 1,766,014; June 24.
- Loud-speaker, Dynamic. F. Preator and D. R. Seeley. 1,757,386; May 6.
- Loud-speaker, Electrostatic. E. Reisz. 1,747,952; Feb. 18.
- Loud-speaker, Electrostatic. G. Seibt. 1,753,137; Apr. 1.
- Loud-speaker envelope. R. H. Guldman. 1,759,785; May 20.
- Loud-speaker, Inductively-actuated. J. Depew. 1,743,265; Jan. 14.
- Loud-speaker motor. R. Conover. 1,786,479; Dec. 30.
- Loud-speaker, Musical-instrument. A. McL. Nicolson. 1,744,918; Jan. 28.
- Loud-speaker, Screen. J. V. Nevin. 1,778,084; Oct. 14.
- Loud-speaker, Telephonic. F. W. Lanchester. 1,754,860; Apr. 15.
- Loud-speaker unit. C. A. Bottorff. 1,748,407; Feb. 25.
- Loud-speaker unit. M. K. Kuchinsky. 1,756,791; Apr. 29.
- Loud-speaker unit. J. P. Quam. 1,750,648; Mar. 18.
- Loud-speaking mounting. A. A. Kent. 1,757,719; May 6.
- Loud-speakers, Assembling. I. S. Bobrovsky. 1,767,912; June 24.
- Loud-speakers, Membrane for electrostatic. E. Reisz. 1,748,901; Feb. 25.
- Louver. W. J. Gross. 1,762,223; June 10.
- Louver, Discharge. H. F. Schmidt. 1,785,228; Dec. 16.
- Low-pressure boiler. L. Courtot. 1,760,399; May 27.
- Lowering mechanism for applicable use in portable life-saving apparatus. J. D. Redmond. 1,761,311; June 3.
- Lubricant. F. L. Koethen. 1,758,446; May 13.
- Lubricant. E. A. Rudgier. 1,750,134; Mar. 11.
- Lubricant. S. T. Sherrick. 1,758,265; May 13.
- Lubricant and process of making, Engine. R. E. Clough. 1,782,501; Nov. 25.
- Lubricant and producing process. R. R. Rosenbaum. 1,773,203; Aug. 19.
- Lubricant and producing the same. N. C. Beim. 1,784,809; Dec. 16.
- Lubricant and producing the same. R. N. Jarman. 1,767,076; June 24.
- Lubricant, Composite. J. A. Higgins. 1,780,157; Nov. 4.
- Lubricant compressor. H. J. Murphy. 1,743,376; Jan. 14.
- Lubricant-distributing apparatus. D. Grattan. 1,760,902; June 3.
- Lubricant, Drawing. F. F. Stamberg. 1,781,607; Nov. 11.
- Lubricant gun. O. H. Zerk. 1,749,727; Mar. 4.
- Lubricant heat-dissipating means. E. W. Schloerb. 1,761,686; June 3.
- Lubricant product and producing process. R. R. Rosenbaum. 1,752,309; Apr. 1.
- Lubricant-receiving fittings, Making. G. L. Moore. 1,787,257; Dec. 30.
- Lubricants, Automatic control for reserve. A. Sickels. 1,781,252; Nov. 11.
- Lubricants, Manufacture of. F. S. Dengler. 1,781,444; Nov. 11.
- Lubricants, Production of solid. W. Pungs and E. Frese. 1,776,193; Sept. 16.
- Lubricating apparatus. F. S. Barks. 1,773,660; Aug. 19.
- Lubricating apparatus. C. G. Butler. 1,752,270; Mar. 25.
- Lubricating apparatus. W. I. Jones. 1,767,527; June 24.
- Lubricating apparatus. H. J. Murphy. 1,763,062; June 10.
- Lubricating apparatus. P. R. Reid. 1,775,946; Sept. 16.
- Lubricating apparatus, Pressure. J. S. Lynn. 1,752,530; Apr. 1.
- Lubricating apparatus, Booster-. H. Albertine. 1,769,982; July 8.
- Lubricating apparatus, Track-. W. M. Gray. 1,745,213; Jan. 28.
- Lubricating apparatus for the flanges of wheels of engines or vehicles traveling upon railway tracks. C. Buclon. 1,786,334; Dec. 23.
- Lubricating compound. W. D. Hodson and R. E. Coleman. 1,764,837; June 17.
- Lubricating device. C. A. Bowlus. 1,764,823; June 17.
- Lubricating device. W. H. Cotton. 1,782,135; Nov. 18.
- Lubricating device. E. Cuddihy. 1,757,954; May 13.
- Lubricating device. R. Ehrenfeld. 1,749,574; Mar. 4.
- Lubricating device. R. Ehrenfeld. 1,783,535; Dec. 2.
- Lubricating device. J. W. T. Elliot. 1,751,687; Mar. 25.
- Lubricating device. A. M. Greene, jr. 1,771,536; July 29.
- Lubricating device. A. Huguenin. 1,749,941; Mar. 11.
- Lubricating device. A. Johnson. 1,770,036; July 8.
- Lubricating device. D. Jones. 1,746,655; Feb. 11.
- Lubricating device. A. J. Kacena. 1,767,461; June 24.
- Lubricating device. G. Kirk and A. C. Danver. 1,786,432; Dec. 30.
- Lubricating device. J. O. Lewis. 1,751,412; Mar. 18.
- Lubricating device. C. D. Otto. 1,780,629; Nov. 4.
- Lubricating device. A. J. Pfaff, J. A. Driy, and C. J. Sinning. 1,767,153; June 24.
- Lubricating device. W. T. Pritchard. 1,757,736; May 6.
- Lubricating device. A. M. Walstrom. 1,751,114; Mar. 18.
- Lubricating device. E. M. Wright. 1,762,373; June 10.
- Lubricating device, Elevator-guide-rail-. A. Johnson. 1,743,894; Jan. 14.
- Lubricating device for cables. B. S. Minor. 1,757,539; May 6.
- Lubricating device for car wheels and tracks. R. B. Umboltz and R. A. Birmingham. 1,757,402; May 6.
- Lubricating device for crank cases. J. Van Der Wilt. 1,778,051; Oct. 14.
- Lubricating device for engine pistons. F. A. Kowarick, jr. 1,776,075; Sept. 16.
- Lubricating device, Force-feed. I. Cowles. 1,752,975; Apr. 1.
- Lubricating device, Force-feed. M. B. Ratcliffe. 1,779,217; Oct. 21.
- Lubricating device for pneumatically-operated tools. C. A. Norgren. 1,782,741; Nov. 25.
- Lubricating device for windmills. J. M. Axtell. 1,779,267; Oct. 21.
- Lubricating gun. J. E. M. Seguin. 1,781,604; Nov. 11.
- Lubricating gun. O. U. Zerk. 1,748,818; Feb. 25.
- Lubricating means. C. L. Byron. 1,781,493; Nov. 11.
- Lubricating means. E. W. Davis. 1,770,071; July 8.
- Lubricating means. O. U. Zerk. 1,748,817; Feb. 25.
- Lubricating means, Adjustable. E. Frohman. 1,779,063; Oct. 21.
- Lubricating means for engines. F. M. King. 1,742,959; Jan. 7.
- Lubricating means for vehicle parts, Magazine. C. T. Myers. 1,752,960; Apr. 1.
- Lubricating means, Magazine. C. T. Meyers. 1,769,069; July 1.
- Lubricating mechanism for edger saws. E. E. McClure. 1,766,663; June 24.
- Lubricating method and apparatus. R. R. Roberts. 1,783,981; Dec. 9.
- Lubricating method and means. D. H. Sweet. 1,767,490; June 24.
- Lubricating mixture. E. J. Bloom. 1,764,774; June 17.
- Lubricating oil, Method and apparatus for reclaiming. C. D. Miller. 1,768,209; June 24.
- Lubricating rear-axle differential. H. Morgan. 1,775,623; Sept. 9.
- Lubricating ring, Traveler. G. W. Evans. 1,742,241; Jan. 7.
- Lubricating rings and travelers in doubling and like frames. W. Whiteley. 1,781,828; Nov. 18.
- Lubricating system. C. A. Bacon. 1,759,429; May 20.
- Lubricating system. M. F. Carr. 1,767,511; June 24.
- Lubricating system. E. W. Davis. 1,758,250; May 13.
- Lubricating system. E. W. Davis. 1,758,251; May 13.

- Lubricating system. E. W. Davis. 1,767,515; June 24.
 Lubricating system. E. W. Davis. 1,779,208; Oct. 21.
 Lubricating system. E. W. Davis. 1,781,948; Nov. 18.
 Lubricating system. A. F. Garbarino. 1,753,460; Apr. 8.
 Lubricating system. C. C. Goodrich. 1,769,258; July 1.
 Lubricating system. H. J. Graham. 1,749,247; Mar. 4.
 Lubricating system. W. D. Hill. 1,757,086; May 6.
 Lubricating system. G. D. Jones. 1,754,859; Apr. 15.
 Lubricating system. J. A. Lund. 1,767,386; June 24.
 Lubricating system. E. S. MacPherson. 1,779,912; Oct. 28.
 Lubricating system. C. W. Manzel. 1,742,446; Jan. 7.
 Lubricating system. C. W. Manzel. 1,761,891; June 3.
 Lubricating system. H. J. Murphy. 1,775,688; Sept. 16.
 Lubricating system. J. J. O'Brien. 1,762,238; June 10.
 Lubricating system. C. H. Ramsey. 1,778,432; Oct. 14.
 Lubricating system. R. Wehr. 1,766,735; June 24.
 Lubricating system. O. U. Zerk. 1,753,494; Apr. 8.
 Lubricating system and apparatus. E. W. Davis. 1,767,516; June 24.
 Lubricating system, Centralized. C. C. Bradbury. 1,767,505; June 24.
 Lubricating system for chain drives. D. B. Perry. 1,783,978; Dec. 9.
 Lubricating system for projection machines. L. S. Frappier and E. Boecking. 1,764,783; June 17.
 Lubricating system for roller journals, Forced-feed. M. Frisch. 1,778,525; Oct. 14.
 Lubricating system, Pressure. E. F. Pierce and D. H. Sweet. 1,786,548; Dec. 30.
 Lubricating system, Refrigerator-motor-. A. A. Kucher. 1,763,162; June 10.
 Lubricating systems, Control-plug unit for splash-feed. B. R. Planche. 1,766,001; June 24.
 Lubricating wheel flanges, System for. H. L. Bullock. 1,770,389; July 15.
 Lubrication. M. A. Kretchmar. 1,744,390; Jan. 21.
 Lubrication. C. E. Mitchell. 1,774,149; Aug. 26.
 Lubrication by means of capillary elements, Apparatus for. M. Koehler. 1,784,732; Dec. 9.
 Lubrication guide. C. E. Holt. 1,781,512; Nov. 11.
 Lubrication means. C. B. Jahnke. 1,772,461; Aug. 12.
 Lubrication mechanism, Force-feed-. K. J. Kuder. 1,771,301; July 22.
 Lubrication of axles and the like. P. G. Graham. 1,751,695; Mar. 25.
 Lubrication of bearings. L. B. Kapp. 1,764,727; June 17.
 Lubrication of fluid-pressure motors. A. H. Funk. 1,767,061; June 24.
 Lubrication of internal-combustion engines. A. H. R. Fedden. 1,784,788; Dec. 9.
 Lubrication register. L. Hain. 1,778,593; Oct. 14.
 Lubrication system, Engine-. S. J. Boughton. 1,771,158; July 22.
 Lubrication system for roller-mill rollers, Central. P. Davidson. 1,782,867; Nov. 25.
 Lubrication system for shaping machines. H. W. Jacobson. 1,781,110; Nov. 11.
 Lubrication, System of. J. F. Werder. 1,762,902; June 10.
 Lubrication system, Pump. J. R. Mahan. 1,747,872; Feb. 18.
 Lubrication system, Sleeve-valve-. J. R. Mares. 1,759,198; May 20.
 Lubricator: See—
 Atomizing lubricator. Journal-box lubricator.
 Driving and engine truck- Locomotive driving-box lubricator.
 Driving-box lubricator. Pedestal-gib lubricator.
 Feed lubricator. Pressure-feed lubricator.
 Flange lubricator. Pump lubricator.
 Force-feed lubricator. Wheel-flange lubricator.
 Journal lubricator.
 Lubricator. F. C. Blanchard. 1,766,702; June 24.
 Lubricator. C. G. Butler. 1,780,115; Oct. 28.
 Lubricator. O. E. Clark. 1,755,240; Apr. 22.
 Lubricator. F. W. Edwards. 1,768,516; June 24.
 Lubricator. W. M. Gentle. 1,751,693; Mar. 25.
 Lubricator. C. M. Harper. 1,769,290; July 1.
 Lubricator. C. Y. Knight. 1,771,128; July 22.
 Lubricator. L. Livings. 1,772,010; Aug. 5.
 Lubricator. A. G. Norton. 1,781,554; Nov. 11.
 Lubricator. R. C. Osgood. 1,759,463; May 20.
 Lubricator. S. H. Paxton. 1,753,718; Apr. 8.
 Lubricator. E. F. Terry. 1,776,870; Sept. 30.
 Lubricator. J. R. Warner. 1,761,097; June 3.
 Lubricator for car journals. W. L. Knight. 1,766,387; June 24.
 Lubricator filler. B. Montoya. 1,787,011; Dec. 30.
 Lubricator for elevator and weight guides. Y. Zénon. 1,777,345; Oct. 7.
 Lubricator for planers. J. Jenne. 1,746,040; Feb. 4.
 Lubricator for railway journal boxes. C. B. Royal. 1,784,542; Dec. 9.
 Lubricator for trolley conveyers. A. R. Pribl. 1,754,801; Apr. 15.
 Lubricator for vehicles, Automatic. L. E. Shone. 1,762,198; June 10.
 Lug attachment for tractor wheels. R. C. Hawkins. 1,777,563; Oct. 7.
 Lug, Bath-fixture. W. J. Woolley. 1,749,794; Mar. 11.
 Lug cleaner for tractor wheels and the like. J. and F. Thies. 1,772,169; Aug. 5.
 Lug strap and making. W. I. Bullard. 1,775,077; Sept. 2.
 Lug, Traction-wheel. H. E. Altgelt. 1,776,407; Sept. 23.
 Luggage carrier. A. H. Ellis. 1,748,282; Feb. 25.
 Luggage carrier. W. Koeck. 1,761,213-14; June 3.
 Luggage carrier. G. O. Tusting. 1,760,452; May 27.
 Luggage carrier for automobiles. D. C. Johnson. 1,748,220; Jan. 14.
 Luggage lock. O. A. Boesel. Des. 81,911; Sept. 2.
 Luggage lock. O. A. Boesel. Des. 82,926; Dec. 30.
 Lumber and other materials, method of and apparatus for conditioning. G. D. Harris. 1,784,727; Dec. 9.
 Lumber and other substances, Apparatus for kiln-drying. J. F. Cobb. 1,778,586; Oct. 14.
 Lumber and the like and resulting product, Veneering. L. T. Frederick. 1,779,426; Oct. 28.
 Lumber carrier. F. G. Greaves and S. P. Watt. 1,786,060; Dec. 23.
 Lumber cradle. E. W. Hutchings. 1,762,271; June 10.
 Lumber drier. B. S. Harrison. 1,759,195; May 20.
 Lumber, Drying. M. L. Mueller. 1,762,879; June 10.
 Lumber, Drying. M. L. Mueller. 1,772,222; Aug. 5.
 Lumber, Drying. J. P. Wilson. 1,757,891-2; May 6.
 Lumber for forming casings for window and door interior trim. N. F. McMillen. 1,765,931; June 24.
 Lumber grapple. G. R. Hoffman. 1,767,525; June 24.
 Lumber jack. R. Y. Neely. 1,766,400; June 24.
 Lumber-loading roll. E. Feldin. 1,760,304; May 27.
 Lumber-loading roll. E. Feldin. 1,764,397; June 17.
 Lumber, Manufacturer of. H. Neumann. 1,778,333; Oct. 14.
 Lumber, Method of and apparatus for drying. C. A. Cutler. 1,750,794; Mar. 18.
 Lumber or wall board, Insulating. J. J. Hinde. 1,755,781; Apr. 22.
 Lumber package. H. H. Payzant. 1,785,360; Dec. 16.
 Lumber substitute, Making hard-. O. R. Sweeney. 1,772,502; Aug. 12.
 Lumber, Synthetic. A. F. Bemis. 1,770,507; July 15.
 Lumber, Treating. L. J. Conrad. 1,775,387; Sept. 9.
 Lumber trimmer. S. K. Prescott. 1,780,362; Nov. 4.
 Lumber trimmer, Hand-operated. C. W. Willette. 1,785,373; Dec. 16.
 Luminair. W. A. Dorey and T. W. Rolph. 1,746,342; Feb. 11.
 Luminair. G. Rucker. 1,762,743; June 10.
 Luminescent tubes, Manufacture of. W. F. Hendry. 1,769,025; July 1.
 Luminous character. F. Grünhut. 1,777,793; Oct. 7.
 Luminous indicating device. K. H. Kiefer. 1,745,624; Feb. 4.
 Luminous points of an image for reproduction by television, Apparatus for selecting. E. (known as Stephane) J. Brun. 1,763,528; June 10.
 Lunch and soft-drink stand, Combined. J. A. Rosenfield. Des. 81,551; July 8.
 Lure carrier. W. Connors. 1,770,068; July 8.
 Lure carrier for races. J. F. White. 1,756,044; Apr. 29.
 Lure, Fish. W. Ahlfors. 1,774,539; Sept. 2.
 Lure, Fish. C. A. Braidwood. 1,755,047; Apr. 15.
 Lustering and embossing machine for leather and the like. J. Kleinewefers. 1,768,408; June 24.
 Lute. R. B. McCarty. 1,782,932; Nov. 25.
 Macaroni die. D. Maldari. 1,772,872; Aug. 12.
 Macaroni machine. R. Baccellieri and A. De Rentiis. 1,779,580; Oct. 28.
 Machine and method for applying closures. O. N. Tevander. 1,782,553; Nov. 25.
 Machine and method for bending metals. O. Schachtel. 1,774,490; Aug. 26.
 Machine and method for constructing concrete pipe. A. W. Schultz. 1,782,446; Nov. 25.
 Machine and method for flap splitting and heel-seat tonguing. A. Bates and F. B. Keall. 1,757,160; May 6.
 Machine and method for forming mineral-wool bats. W. L. Miller. 1,765,025; June 17.
 Machine and method for making chain. E. F. M. Speidel and K. C. Augenstein. 1,761,415; June 3.
 Machine and method for making springs. A. R. Lafferty and F. L. Turner. 1,774,495; Aug. 26.
 Machine and method for producing coiled forming dies. M. A. Hoyt. 1,758,002; May 13.
 Machine and process for building helical cheeses. C. W. Haworth. 1,768,687; July 1.
 Machine and process for cracking nuts. W. E. Giesecke. 1,781,838; Nov. 18.
 Machine and process of manufacture of pottery or ceramic articles. J. Dengler. 1,762,387; June 10.
 Machine bearings, Cooling arrangement for. P. Suter. 1,756,402; Apr. 29.
 Machine casing, Article-dispensing-. E. Kanter and E. Feldman. Des. 82,890; Dec. 23.
 Machine comb, Sheep-shearing-. F. G. W. Bristow. 1,746,989; Feb. 11.
 Machine control, Automatic. T. A. Bryson. 1,776,063; Sept. 16.
 Machine-control device. S. Halvorsen. 1,777,847; Oct. 7.
 Machine-control mechanism, Automatic. F. Schaum. 1,751,532; Mar. 25.
 Machine coupling. J. Bibby. 1,763,842; June 17.
 Machine designed for the manufacture of flashings. A. J. Therrien. 1,754,915; Apr. 15.
 Machine fixture, Balancing-. C. E. Summers. 1,750,608; Mar. 11.
 Machine for aerial navigation. B. F. Seymour. 1,751,890; Mar. 25.
 Machine for allmentary pastes, Folding. C. Ambrette. 1,753,733; Apr. 8.

- Machine for and method of finishing bushings. H. M. Williams and C. L. Lee. 1,753,632; Apr. 8.
- Machine for and method of making radiator units. D. I. Rogers. 1,742,414; Jan. 7.
- Machine for and process of forming metal into shapes. C. M. Yoder. 1,770,963; July 22.
- Machine for applying adhesive substance to sheets of material. A. Peterson. 1,761,230; June 3.
- Machine for applying adhesive tape to fabrics. J. M. Cooke. 1,747,147; Feb. 11.
- Machine for applying box straps to containers. G. D. Parker. 1,777,474; Oct. 7.
- Machine for applying cement to can tops. B. E. Taylor. 1,782,450; Nov. 25.
- Machine for applying coatings. H. C. Macan, C. E. Yates, and W. M. Shakespeare. 1,772,907; Aug. 12.
- Machine for applying flexible casings to magazines. M. O. Brennan and G. Schuler. 1,761,189; June 3.
- Machine for applying reinforcements to clothespins. S. Bower. 1,753,916; Apr. 8.
- Machine for applying transfer stamps to fabric. C. G. Richardson. 1,759,712; May 20.
- Machine for assembling bearings. R. H. Cramer. 1,758,653; May 13.
- Machine for assembling book matches. L. E. Parker. 1,750,281; Mar. 11.
- Machine for assembling newspapers, periodicals, and the like. F. Hepp. 1,779,130; Oct. 21.
- Machine for assembling nuts. R. L. Burdsall. 1,783,218; Dec. 2.
- Machine for assembling screw caps and containers. R. N. Cundall. 1,773,960; Aug. 26.
- Machine for automatically selecting groups of classified accounts. W. C. Koch. 1,746,704; Feb. 11.
- Machine for babbitting sleeve bearings. C. H. Leis. 1,784,146; Dec. 9.
- Machine for baking hat stays. W. C. Johnson. 1,768,768; July 1.
- Machine for baking wafers and the like. W. E. Prescott. 1,763,720; June 17.
- Machine for banding a strip and cutting the latter between the bands to provide banded pieces. A. R. Selden. 1,750,059; Mar. 11.
- Machine for beading and flanging metal barrels. B. J. Lindgren. 1,782,994; Nov. 25.
- Machine for bending metal plates or sheets. W. R. Hume. 1,745,539; Feb. 4.
- Machine for bending panels. C. B. Norris. 1,764,464; June 17.
- Machine for broaching spirals. A. Forberg. 1,749,633; Mar. 4.
- Machine for casting stereotype printing plates. M. W. Brueshaber. 1,765,098; Apr. 15.
- Machine for centrifugally casting concrete sleepers. M. Righetto. 1,771,099; July 22.
- Machine for checking or verifying mechanical records. R. F. Power and A. Thomas. 1,744,796; Jan. 28.
- Machine for chilling and flaking soap. E. B. Ayres. 1,762,043; June 3.
- Machine for cleaning and digging ditches. H. E. Johnson. 1,762,441; June 10.
- Machine for cleaning ballast between railway tracks. J. B. McWilliams. 1,747,154; Feb. 11.
- Machine for cleaning beans, peas, etc. H. T. Blake. 1,748,943; Mar. 4.
- Machine for cleaning cotton and the like. J. S. Bachman. 1,767,957; June 24.
- Machine for cleaning, improving, and softening wool and other textile materials. F. Rocamora. 1,764,892; June 17.
- Machine for cleaning journal-box waste. I. M. Conway and T. M. Lawson. 1,783,407; Dec. 2.
- Machine for cleaning paper rags and the like. A. Aeldert. 1,770,505; July 15.
- Machine for cleaning the matrices for type setting and casting machines. K. Christel. 1,781,946; Nov. 18.
- Machine for closing and sealing cans. J. M. McClatchie. 1,787,050; Dec. 30.
- Machine for closing filled cans. J. Coyle, J. C. Taliaferro, jr., and O. A. Schmitt. 1,767,965; June 24.
- Machine for coating. R. T. Johnston. 1,764,080; June 17.
- Machine for coating air bags. H. D. Stevens. 1,768,337; June 24.
- Machine for coating can ends. G. F. Hartman. 1,748,127; Feb. 25.
- Machine for coating can ends. F. A. Prah and H. A. Fink. 1,768,144; June 24.
- Machine for coating sheets with bronze powder and the like. R. Lontke. 1,772,318; Aug. 5.
- Machine for coating strips of lumber. I. F. Dittmar. 1,766,779; June 24.
- Machine for collecting small stones. G. H. Mourar. 1,747,139; Feb. 11.
- Machine for composing photographic prints. E. Uher, jr. 1,776,527; Sept. 23.
- Machine for concaving wood-heel blocks. W. J. Shaw. 1,761,026; June 3.
- Machine for contracting ferrules. J. P. Eastman. 1,761,521; June 3.
- Machine for coring cabbages or the like. I. G. Sharpe. 1,756,262; Apr. 29.
- Machine for corrugating sheet metal. J. R. Freeze. 1,766,743; June 24.
- Machine for covering tassel molds. M. F. Hamza. 1,780,129; Oct. 28.
- Machine for covering tire beads. F. D. Fowler. 1,763,297; June 10.
- Machine for crushing ore, stone, and the like. J. W. Ericsson. 1,773,616; Aug. 19.
- Machine for cutting and creasing box blanks. F. P. Glose. 1,776,624; Sept. 23.
- Machine for cutting and wrapping material. E. C. Hegg. 1,751,585; Mar. 25.
- Machine for cutting angular ends. E. J. O'Neill. 1,784,494; Dec. 9.
- Machine for cutting articles from sheet material. F. J. MacDonald. 1,786,542; Dec. 30.
- Machine for cutting bias fabrics. J. P. Morris. 1,787,208; Dec. 30.
- Machine for cutting bias strips. W. H. Camfield. 1,753,645; Apr. 8.
- Machine for cutting biscuits from dough. L. Rondolin. 1,764,280; June 17.
- Machine for cutting brake linings. B. Conway. 1,757,415; May 6.
- Machine for cutting doughy substances. L. H. Robinson. 1,765,285; June 17.
- Machine for cutting forms. L. S. Rosener. 1,747,182; Feb. 18.
- Machine for cutting gear teeth. W. E. Sykes. 1,750,030; Mar. 11.
- Machine for cutting glass cane or tubes. C. A. Brown and A. C. Nielsen. 1,754,143; Apr. 8.
- Machine for cutting green corn from the cob. S. D. Noggle. 1,751,351; Mar. 18.
- Machine for cutting irregular shapes. C. Mott. 1,755,789; Apr. 22.
- Machine for cutting multiple threads on wood screws. H. P. Townsend. 1,761,243; June 3.
- Machine for cutting noodles. J. Krejčí. 1,772,397; Aug. 5.
- Machine for cutting off pipes and the like. R. E. Hyde and D. Schappi. 1,753,704; Apr. 8.
- Machine for cutting or generating the teeth of wheels. S. Sunderland. 1,758,067; May 13.
- Machine for cutting out blanks. G. Hultberg. 1,744,473; Jan. 21.
- Machine for cutting rolls. R. W. Grauert. 1,748,474; Feb. 25.
- Machine for cutting seed potatoes. H. J. Smith. 1,758,587; May 13.
- Machine for cutting sheet material. L. Wetmore. 1,743,070; Jan. 7.
- Machine for cutting sheet material. E. E. Winkley. 1,751,568; Mar. 25.
- Machine for cutting sheet stock. E. W. Stacey. 1,760,019; May 27.
- Machine for cutting strips. H. I. Morris. 1,769,187; July 1.
- Machine for cutting unbreakable watch crystals. M. C. Campbell. 1,757,952; May 13.
- Machine for cutting wire and the insulation thereof. R. J. Emmert. 1,753,561; Apr. 8.
- Machine for decorating paper. R. S. Bracewell. 1,742,301; Jan. 7.
- Machine for delivering newspapers and the like. V. A. Scott. 1,739,233; Mar. 4.
- Machine for descaling boilers. F. L. Schleicher. 1,757,745; May 6.
- Machine for developing or generating intersections of cylinders. F. C. Fantz. 1,745,156; Jan. 28.
- Machine for developing or generating mitered ends of cylinders. F. C. Fantz. 1,780,009; Oct. 28.
- Machine for dispensing paper. A. Boomershine. 1,745,888; Feb. 4.
- Machine for dissolving cellulose xanthate and the like. R. Thurm and E. Schmierer. 1,763,379; June 10.
- Machine for dissolving xanthate. R. Thurm and E. Schmierer. 1,742,226; Jan. 7.
- Machine for double seaming can ends to can bodies. J. Coyle. 1,763,458; June 10.
- Machine for driving in and pulling out nails. H. Scherm, jr. 1,765,885; June 24.
- Machine for drying sheet material. A. Samuels. 1,750,055; Mar. 11.
- Machine for dyeing and treating yarn. J. H. Thompson. 1,784,399; Dec. 9.
- Machine for dyeing yarn and the like. A. E. Byrd. 1,770,910; July 22.
- Machine for exhibiting photoluminescent images. L. Chalkley, jr. 1,762,760; June 10.
- Machine for extracting bolls of cotton bolls from seed cotton. S. Williams. 1,757,762; May 6.
- Machine for extracting juice from citrus fruits. G. W. Edwards. 1,764,158; June 17.
- Machine for fabricating spring structures. D. T. Owen. 1,756,434; Apr. 29.
- Machine for facet filing of saw teeth. C. A. Janson. 1,743,893; Jan. 14.
- Machine for filling and capping bottles. S. C. Bond. 1,756,114; Apr. 29.
- Machine for filling cans. F. A. Foster. 1,758,507; May 13.
- Machine for filling containers with frozen confections. R. M. Kerr. 1,773,683; Aug. 19.
- Machine for filling molds for founding. E. O. Beardsley and W. F. Piper. 1,774,076; Aug. 26.
- Machine for flanging plate disks. O. and L. Wild. 1,782,641; Nov. 25.

- Machine for folding paper. O. Kleinschmit. 1,770,312; July 8.
- Machine for folding tire bands. F. B. Pfeiffer. 1,755,933; Apr. 22.
- Machine for forming and attaching wire coils. W. Kiwl. Re17,744; July 22.
- Machine for forming and re-forming turn shoes. J. Fausse. 1,770,976; July 22.
- Machine for forming arrow shafts. P. H. Granger. 1,744,697; Jan. 21.
- Machine for forming articles. A. C. Hoover. 1,750,471; Mar. 11.
- Machine for forming articles from sheet material. B. M. Fine. 1,782,777; Nov. 25.
- Machine for forming articles from sheet materials. B. M. Fine. 1,780,012; Oct. 28.
- Machine for forming baking units from dough. W. Rydberg. 1,747,954; Feb. 18.
- Machine for forming band fastenings. H. H. Payzant. 1,747,880; Feb. 18.
- Machine for forming briquettes. J. O. Navone. 1,769,383; July 1.
- Machine for forming can covers. H. Sebell. 1,775,738; Sept. 16.
- Machine for forming cranks. K. Auerbach. 1,763,338; June 10.
- Machine for forming fashioned moldings. H. G. Kellogg. 1,773,459; Aug. 19.
- Machine for forming fish cakes and the like. I. Gottlieb and S. J. T. Stout. 1,758,942; May 20.
- Machine for forming glass articles. R. La France. 1,783,191; Dec. 2.
- Machine for forming hollow glassware. L. D. Soubier. 1,759,210; May 20.
- Machine for forming hot metal. A. O. Herron. 1,755,323; Apr. 22.
- Machine for forming imitation shakes. C. E. Putman. 1,780,097; Oct. 28.
- Machine for forming joint reinforcements. F. A. Manske and W. M. McNeil. 1,768,127; June 24.
- Machine for forming lock washers. C. G. Olson. 1,776,663; Sept. 23.
- Machine for forming material. C. D. Knowlton. 1,773,907; Aug. 26.
- Machine for forming rings from segmental pieces. F. S. Godfrey. 1,742,388; Jan. 7.
- Machine for forming rings of segmental pieces. E. J. Guay and F. S. Godfrey. 1,783,040; Nov. 25.
- Machine for forming screw propellers. W. F. Newbrough. 1,784,972; Dec. 16.
- Machine for forming strips for store-front construction. F. and I. Himmel. 1,753,829; Apr. 8.
- Machine for forming vehicle springs. B. E. Rockhoff. 1,742,730; Jan. 7.
- Machine for generating gear teeth. W. E. Sykes. 1,750,031; Mar. 11.
- Machine for generating gears. E. C. Head. 1,758,193; May 13.
- Machine for generating torsional moments, particularly for testing purposes. A. J. Amsler. 1,760,033; May 27.
- Machine for grinding bodies of revolution. C. G. Ekholm and B. D. O. Westerlund. 1,777,607; Oct. 7.
- Machine for grinding chasers. R. E. Flanders. 1,750,956; Mar. 18.
- Machine for grinding, mixing, and like operations. J. H. J. Wood. 1,774,464; Aug. 26.
- Machine for grinding mower elements. R. A. Thomas. 1,782,154; Nov. 18.
- Machine for grinding or cutting toothed gear wheels or other analogous objects. A. H. Orcutt and J. W. Snarry. 1,756,876; Apr. 29.
- Machine for grooving wood-heel blocks. W. J. Shaw. 1,748,368; Feb. 25.
- Machine for grooving wood heels. W. J. Shaw. 1,748,367; Feb. 25.
- Machine for hardening irregular metal surfaces. A. E. Shorter and C. L. Boucher. 1,768,160; June 24.
- Machine for handling loose materials. K. Davis. 1,781,978; Nov. 18.
- Machine for handling molding sand. W. E. Naylor. 1,771,966; July 29.
- Machine for husking coconuts. G. Celaya. 1,781,215; Nov. 11.
- Machine for impressing helically-disposed formations in curtain poles. C. W. Kirsch and A. A. Allen. 1,778,032; Oct. 14.
- Machine for inserting fastenings. G. Goddu. 1,742,500; Jan. 7.
- Machine for inserting fastenings. E. J. Ray. 1,779,510; Oct. 28.
- Machine for inserting valves in inner tubes. G. B. Nichols. 1,768,328; June 24.
- Machine for intelligence tests. S. L. Pressey. 1,749,226; Mar. 4.
- Machine for internally coating culvert pipes. A. W. Spaulding. 1,786,785; Dec. 30.
- Machine for ironing furs. F. Géza. 1,782,722; Nov. 25.
- Machine for joining paper strips. H. Carle. 1,774,420; Aug. 26.
- Machine for killing quack grass. H. P. Mohr. 1,768,289; June 24.
- Machine for kneading and turning upside down sugar mass. M. Pönisch. 1,757,384; May 6.
- Machine for kneading, crushing, and similar operations. B. Zettergren. 1,750,558; Mar. 11.
- Machine for knotting warps. U. Bischof. 1,782,162; Nov. 18.
- Machine for lacquering loaded shot shells. H. M. Mann. 1,770,620; July 15.
- Machine for lapping and the like. G. W. Andrews, jr. 1,758,100; May 13.
- Machine for laying foundations of structures. O. Stern. 1,763,485; June 10.
- Machine for laying paper mulch. R. Mettetal. 1,786,021; Dec. 23.
- Machine for lining boxes. W. E. Vesey. 1,767,193; June 24.
- Machine for making and applying caps to bottles and the like. A. J. Jonsson. 1,782,900; Nov. 25.
- Machine for making annular laminated bodies. G. T. Trundle, jr. 1,773,382; Aug. 19.
- Machine for making annular pieces of candy. E. C. Miller. 1,755,263; Apr. 22.
- Machine for making bolts, screws, and the like. G. Arnold. 1,771,833; July 29.
- Machine for making building materials. E. R. Martin. 1,778,222; Oct. 14.
- Machine for making caps. A. J. Jonsson. 1,780,926; Nov. 11.
- Machine for making casings or jackets. S. J. Lonergan. 1,769,301; July 1.
- Machine for making chaplets. H. S. Powell. 1,766,145; June 24.
- Machine for making counters. W. J. Young. 1,768,499; June 24.
- Machine for making clock pinions. P. R. Hoopes. 1,777,849; Oct. 7.
- Machine for making concrete blocks and the like. V. Dahl. 1,777,660; Oct. 7.
- Machine for making concrete pipes. S. H. Coogan. 1,785,298; Dec. 16.
- Machine for making confections. W. R. Myers and B. O. Opitz. 1,775,597; Sept. 9.
- Machine for making corrugated board. E. E. Maston. 1,770,757; July 15.
- Machine for making cup wafers, wafer biscuits, and the like. J. H. Bates. 1,769,661; July 1.
- Machine for making dental rolls. C. Fortier. 1,755,109; Apr. 15.
- Machine for making dough ware. J. F. Hastedt. 1,772,995; Aug. 12.
- Machine for making fashioned hosiery. J. Lawson. 1,751,450; Mar. 18.
- Machine for making fiber reed. E. F. Baldwin and F. E. Woods. 1,760,536; May 27.
- Machine for making flexible shafting. L. H. Morin. 1,772,191; Aug. 5.
- Machine for making golf tees. F. O. Fish. 1,764,295; June 17.
- Machine for making horseshoe nails. G. W. and G. M. Lange. 1,751,338; Mar. 18.
- Machine for making lantern pinions. F. Franz. 1,772,419; Aug. 5.
- Machine for making lock washers. F. H. Sleeper. 1,761,279; June 3.
- Machine for making loose leaves for books. W. Flett. 1,785,546; Dec. 16.
- Machine for making match inner boxes. G. E. Mellgren and J. G. Sjöström. 1,765,767; June 24.
- Machine for making metal plugs for barrels, Automatic. G. C. Nelson. 1,778,956; Oct. 21.
- Machine for making mineral or rock wool bat. W. L. Miller. 1,774,393; Aug. 26.
- Machine for making paper bags. S. Wechsler. 1,775,793; Sept. 16.
- Machine for making paper box blanks and boxes. H. B. Smith. 1,764,358; June 17.
- Machine for making paving brick. J. N. Porter. 1,773,857; Aug. 26.
- Machine for making plaster board. G. A. New. 1,772,494; Aug. 12.
- Machine for making prepared roofing. R. Maclean. 1,774,988; Sept. 2.
- Machine for making roofing. G. P. Heppes. 1,765,834; June 24.
- Machine for making roofing and the like. A. E. F. Moone. 1,752,751; Apr. 1.
- Machine for making round articles. F. J. Sévigné. 1,755,749; Apr. 22.
- Machine for making set-up boxes. H. J. Goss. 1,765,420; June 24.
- Machine for making spaced coiled filaments. S. Wadsten. 1,780,609; Nov. 4.
- Machine for making spherical glass bodies. J. F. Early. 1,761,623; June 3.
- Machine for making spikes. E. V. Crane. 1,774,915; Sept. 2.
- Machine for making spools or bobbins. E. Schweizer. 1,753,628; Apr. 8.
- Machine for making tire patches. P. E. Hawkinson. 1,759,507; May 20.
- Machine for making uniform, Concrete. J. F. Robb. 1,750,244; Mar. 11.
- Machine for making vacuum bottles and the like. E. H. Rohl. 1,755,307; Apr. 22.
- Machine for making vermicelli and similar produce. F. Taurel. 1,744,591; Jan. 21.
- Machine for making welded reinforcing fabrics. W. H. Sommer. 1,783,944; Dec. 2.

- Machine for making wire formations. D. Kondakjian. 1,775,770; Sept. 16.
- Machine for making wire garment hangers. D. S. Boyles. 1,771,951; July 29.
- Machine for making wire strands, ropes, and cables. E. A. Conner. 1,781,894; Nov. 18.
- Machine for manufacturing casings for pneumatic tires. J. E. Perrault and H. L. Davis. 1,762,453; June 10.
- Machine for manufacturing hollow rubber balls. K. Kurokawa. 1,769,741; July 1.
- Machine for manufacturing hose clamps. F. N. Ross. 1,761,455; June 3.
- Machine for manufacturing metal chain mail. E. Schofer. 1,784,254; Dec. 9.
- Machine for manufacturing tubular farinaceous rolls. C. R. Haskell. 1,742,703; Jan. 7.
- Machine for melting snow. P. La Court. 1,759,859; May 27.
- Machine for milling ornamental grooves in buttons and the like, Automatic. A. G. L. G. M. Miche de Malleray. 1,756,873; Apr. 29.
- Machine for milling threads. G. E. Mirfield. 1,745,034-6; Jan. 28.
- Machine for mixing rubber or like material. R. C. Lewis. 1,773,428; Aug. 19.
- Machine for molding tubular material and producing same. J. C. Fuller and C. J. Wennberg. 1,770,396; July 15.
- Machine for obtaining the fibers from fibrous plants. G. A. Lowry. 1,749,540; Mar. 4.
- Machine for opening tins of canned goods. E. Darqué. 1,783,534; Dec. 2.
- Machine for operating on bolts, nuts, and the like, Magnetic. W. B. Peirce. 1,762,192; June 10.
- Machine for operating on hides, skins, and leather. G. A. Schettler. 1,759,871; May 27.
- Machine for operating upon blanks. T. H. Seely and M. H. Ballard. 1,743,489; Jan. 14.
- Machine for operating upon blanks. E. E. Winkley. 1,780,990; Nov. 11.
- Machine for operating upon blanks of sheet material. E. Hope and A. E. Richards. 1,751,549; Mar. 25.
- Machine for operating upon shoe stiffeners. J. F. Peake. 1,772,465; Aug. 12.
- Machine for operating upon shoes. A. Eppler. 1,750,709; Mar. 18.
- Machine for operating upon web-like materials. F. M. Carroll. 1,778,483; Oct. 14.
- Machine for packing cigarettes. R. W. Voigt. 1,769,557; July 1.
- Machine for performing printing, perforating and other operations on strip material. G. L. Fulk. 1,765,414; June 24.
- Machine for placing and ironing sheet material. A. Samuel. 1,747,794; Feb. 18.
- Machine for plucking poultry. R. W. Richards. 1,755,665; Apr. 22.
- Machine for pressing books. H. C. Alger. 1,760,030; May 27.
- Machine for printing and issuing totalizer tickets and for operating totalizer registers and indicators. G. A. Julius. 1,744,771; Jan. 28.
- Machine for printing photographs. G. W. Staley. 1,758,588; May 13.
- Machine for processing materials. C. W. Vogt. 1,783,865; Dec. 2.
- Machine for processing materials. C. W. Vogt. 1,783,867; Dec. 2.
- Machine for producing gears. E. W. Bullock, A. P. Schausseil, A. W. Draeseke, C. T. Galloway, and M. H. Hill. 1,786,697; Dec. 30.
- Machine for producing lined pouches. F. E. Ludington. 1,762,829; June 10.
- Machine for producing lines and marks. F. R. Allen. 1,769,980; July 8.
- Machine for producing relief printing. J. G. Ross. 1,772,844; Aug. 12.
- Machine for producing seamless bodies, sweetmeats, and others from plastic masses. M. Pönisch. 1,753,834; Apr. 15.
- Machine for production of pile fabrics. P. S. Smith and E. G. Jegge. 1,784,552; Dec. 9.
- Machine for punching and forming inwardly-depressed orifices in tubes and pipes. E. F. Deléry. 1,773,522; Aug. 19.
- Machine for punching holes in documents and the like. W. W. Spiers. 1,763,869; June 17.
- Machine for purifying cereal products. H. J. Denham. 1,747,818; Feb. 18.
- Machine for purifying cereal products or removing branny material therefrom. H. J. Denham. 1,757,007; May 6.
- Machine for raising nap on textiles and the like. A. O. Schramm and J. H. Schreiber. 1,746,798; Feb. 11.
- Machine for raising nap on textiles and the like. J. H. Schreiber. 1,742,829; Jan. 7.
- Machine for recovering precious metals. J. M. Smith. 1,748,562; Feb. 25.
- Machine for rectifying electrotypes. W. W. McCarroll. 1,745,550; Feb. 4.
- Machine for refolding paper trays or the like. S. Bergstein. 1,784,571; Dec. 9.
- Machine for relieving spiral cutters. L. R. Mayo. 1,744,783; Jan. 28.
- Machine for removing flags and other adhering leaf from the stalks of tobacco leaves. M. G. P. Phillips. 1,781,701; Nov. 18.
- Machine for removing surplus insulation from the armatures of dynamo-electric machines. R. W. Baker. 1,761,033; June 3.
- Machine for repairing runs in fabrics. W. D. Van Dyke. 1,745,462; Feb. 4.
- Machine for repairing runs in hosiery. B. A. Scumitt. 1,769,860; July 1.
- Machine for reproducing and transmitting pictures. M. L. D. McFarlane and H. G. Bartholomew. 1,754,638; Apr. 8.
- Machine for rewinding paper. L. Scusa. 1,779,562; Oct. 28.
- Machine for rolling beads in stovepipe casings. T. A. M. Petersen. 1,750,784; Mar. 18.
- Machine for rounding the edges of sheets. W. Owen. 1,771,417; July 29.
- Machine for rupturing the ends projecting from wire beddles. A. G. David and P. Gisclon. 1,752,733; Apr. 1.
- Machine for sawing timbers. G. S. Marion. 1,765,987; June 24.
- Machine for screwing couplings on pipe. H. V. Cork. 1,765,825; June 24.
- Machine for scrubbing and oiling leather. E. H. Smith. 1,764,809; June 17.
- Machine for separating articles. F. P. Ryder. 1,775,214; Sept. 9.
- Machine for separating solids from liquids. J. and C. E. Thomson. 1,762,899; June 10.
- Machine for separating string beans from stalks, etc. F. P. Ryder. 1,743,240; Jan. 14.
- Machine for setting threaded devices. W. D. Buss. 1,754,978; Apr. 15.
- Machine for setting up and printing characters upon relatively small forms. W. B. Payne. 1,742,274; Jan. 7.
- Machine for severing composite glass and the like. W. Owen. 1,765,846; June 24.
- Machine for severing tally marks from wool. K. R. Eames. 1,779,666; Oct. 28.
- Machine for sewing openwork seams. E. Gegauf. 1,744,882; Jan. 28.
- Machine for shaping conical metal forms. T. J. Murray. 1,760,432; May 27.
- Machine for shaping hollow metal blanks. C. G. Anderson. 1,766,700; June 24.
- Machine for shaping shoe uppers. E. E. Rowe. 1,763,822; June 17.
- Machine for shaping wooden blocks. W. Hubbard. 1,759,118; May 20.
- Machine for shuffling cards. G. Tauschek. 1,757,553; May 6.
- Machine for sizing and perforating rims. W. N. Booth. 1,766,217; June 24.
- Machine for skinning meat. C. E. Merrick. 1,777,375; Oct. 7.
- Machine for skiving shoe stiffeners. H. Hallam. 1,768,685; July 1.
- Machine for slitting sheets to be stretched. R. S. Allyn. 1,781,533; Nov. 11.
- Machine for sorting and setting fasteners. E. M. Crosby. 1,767,513; June 24.
- Machine for spinning, doubling, twisting, and the like yarns, fibers, and the like. T. E. Andrew and M. Langstreth. 1,750,153; Mar. 11.
- Machine for spinning, doubling, twisting, and the like yarns, fibers, and the like. T. E. Andrew and M. Langstreth. 1,772,766; Aug. 12.
- Machine for spirally sewing the initial parts of hats or other articles from strips of material and for finishing such articles. H. Grossmann and A. Grossmann. 1,745,324; Jan. 28.
- Machine for splitting mica. A. R. Tinnerholm. 1,771,943; July 29.
- Machine for spreading road materials. N. W. Hardenbergh. 1,764,019; June 17.
- Machine for sterilizing, washing, and drying fruit. A. Guignard. 1,748,019; Feb. 18.
- Machine for sticking the soles of shoes. A. Demnitz. 1,748,671; Feb. 25.
- Machine for stitching patterns on fabric bases. A. Curioni. 1,786,481; Dec. 30.
- Machine for stripping tobacco leaves. M. G. P. Phillips. 1,772,014; Aug. 5.
- Machine for stripping tobacco leaves. F. W. Wehmann and E. R. Dahlström. 1,776,056; Sept. 16.
- Machine for subdividing bars while being rolled. J. Henrich. 1,748,289; Feb. 25.
- Machine for surfacing sheets. L. Schulte. 1,744,808; Jan. 28.
- Machine for tensioning and securing shoe uppers. C. F. and A. F. Pym. 1,742,275; Jan. 7.
- Machine for testing and quantitatively indicating the cutting power and durability of blades and cutlery. K. Honda. 1,780,822; Nov. 4.
- Machine for testing the bending strength of metal strips. J. H. Nead, R. L. Kenyon, and C. W. Rust. 1,745,634; Feb. 4.
- Machine for the manufacture of card clothing. J. Gohy. 1,781,383; Nov. 11.
- Machine for the manufacture of concrete blocks and the like. E. G. Enticknap. 1,770,303; July 8.
- Machine for the manufacture of hollow blown-glass articles. S. Hunt. 1,755,957; Apr. 22.

- Machine for the mixing, aerating, and like treatment of various materials. L. S. Harber and J. E. Pointon. 1,751,548; Mar. 25.
- Machine for the molding of plastic substances. A. W. Sizer. 1,768,008; June 24.
- Machine for the production in molds of bodies covered with chocolate or similar plastic masses. J. Kegel. 1,777,276; Sept. 30.
- Machine for the production of mesh fabric and chains. K. Kindl. 1,786,953; Dec. 30.
- Machine for the production of the faces of teeth of gear wheels. R. Herrmann. 1,773,677; Aug. 19.
- Machine for the reproduction of sculpture. E. Quattrocchi. 1,776,041; Sept. 16.
- Machine for thinning and cultivating plants. J. R. Uddenborg. 1,779,834; Oct. 28.
- Machine for transferring designs onto cylindrical surfaces. L. Linzell and T. E. Phythian. 1,786,570; Dec. 30.
- Machine for treating crystallized margarine mass and the like. C. Hildebrandt-Sørensen. 1,747,300; Feb. 18.
- Machine for treating fabrics. T. A. Bryson and J. J. McKeon. 1,742,196; Jan. 7.
- Machine for treating fowls in preparation for picking. W. Anderson. 1,770,565; July 15.
- Machine for treating granular material. H. Behrens. 1,769,670; July 1.
- Machine for treating hides, skins, leather, and other similar pieces of work. C. Szmukler. 1,760,796; May 27.
- Machine for treating materials. F. Kutaszewicz. 1,777,205; Sept. 30.
- Machine for treating pipes and the like. H. S. Christopher. 1,767,675; May 27.
- Machine for treating tomatoes. H. R. Lewis. 1,750,414; Mar. 11.
- Machine for trimming heel covers. N. H. Knowlton. 1,777,314; Oct. 7.
- Machine for trimming sole margins. P. J. Wentworth. 1,759,380; May 20.
- Machine for truing grinding wheels. C. S. Smith. 1,753,448; Apr. 8.
- Machine for turning brake drums and the like. J. E. Batie. 1,766,210; June 24.
- Machine for turning down and folding the ends of box covers. G. Ducart. 1,764,247; June 17.
- Machine for turning or threading bolt blanks and the like. J. Kindervater. 1,771,713; July 29.
- Machine for use as mechanical toys and other purposes. M. J. Reider. 1,756,608; Apr. 29.
- Machine for use in assembling hose-coupling parts and the like. A. L. Wallace. 1,782,219; Nov. 18.
- Machine for use in making boxes. S. F. Bauwens. 1,773,510-11; Aug. 19.
- Machine for use in making heels. J. T. Kershaw. 1,760,146; May 27.
- Machine for use in removing tires from wheels and rims. J. B. Smith. 1,752,759; Apr. 1.
- Machine for use in the building of storage batteries. G. A. and A. Sentkowski. 1,776,327; Sept. 23.
- Machine for use in the manufacture of boots and shoes. T. H. Seely. 1,776,397; Sept. 23.
- Machine for use in the manufacture of pottery ware. W. J. Miller. 1,757,132; May 6.
- Machine for use in the manufacture of shoes. G. Goddu. 1,742,499; Jan. 7.
- Machine for use in the manufacture of shoes. J. H. Richardson and A. E. Hudson. 1,742,280; Jan. 7.
- Machine for use in the manufacture of stitch-down shoes. A. Eppler. 1,774,747; Sept. 2.
- Machine for use in the waxing and burnishing of leather. W. R. Barclay and R. B. Woodcock. 1,743,183; Jan. 14.
- Machine for utilizing statistical cards. H. Goerlitz. 1,769,022; July 1.
- Machine for vacuumizing and gassing food containers. C. S. Seltzer. 1,770,435; July 15.
- Machine for vacuumizing containers. J. E. Sharp. 1,774,529; Sept. 2.
- Machine for viscous and granular materials, Mixing. J. E. Johnson. 1,760,906; June 3.
- Machine for vulcanizing rubber soles to fabric or other uppers. F. Nielsen. 1,770,655; July 15.
- Machine for washing, drying, and sterilizing dishes. J. L. Breton. 1,761,812; June 3.
- Machine for washing meat trolleys. F. J. Englen. 1,774,362; Aug. 26.
- Machine for washing tires, coating air bags, or the like. H. D. Stevens. 1,768,335; June 24.
- Machine for welding. J. S. Newell. 1,784,024; Dec. 9.
- Machine for winding or covering cables or the like with tape or strip material. P. Wiegardt and K. Schrott. 1,786,102; Dec. 23.
- Machine for winding coil springs. R. A. King. 1,767,931; June 24.
- Machine for working leather and other sheet material. J. W. O'Donnell. 1,754,281; Apr. 15.
- Machine for working metal rods, bars, and the like. J. T. Leech. 1,779,479; Oct. 28.
- Machine for working wood and other materials. E. Jahn. 1,743,714; Jan. 14.
- Machine for wrapping bread and other articles. A. J. Leatherdale. 1,746,660; Feb. 11.
- Machine for wrapping caramels or like articles. A. G. Rose. 1,758,468; May 13.
- Machine for wrapping cigars and similar articles. F. Grover. 1,784,349; Dec. 9.
- Machine for wrapping loaves of bread. P. Gangler. 1,743,666; Jan. 14.
- Machine frame. G. T. Ronk. 1,756,387; Apr. 29.
- Machine head, Extruding-. L. Wetmore. 1,769,730; July 1.
- Machine part. G. T. Ronk. 1,775,295; Sept. 9.
- Machine heater; Can-cleaning-. D. A. Maanum. 1,782,876; Nov. 25.
- Machine or apparatus for treating foods or the like. M. Harrison. 1,786,300; Dec. 23.
- Machine pedestal, casing, and table, Combined. E. C. Hegg. Des. 81,096; May 6.
- Machine-printing art. O. P. Smith. 1,766,957; June 24.
- Machine, Rotary. O. R. P. Berglund. 1,780,109; Oct. 28.
- Machine shafts, Liquid-sealed gland for. W. Van Rijswijk. 1,759,074; May 20.
- Machine to make concrete building blocks. E. S. Nicholas. 1,766,930; June 24.
- Machine to shape flooring blocks. L. R. Heston and A. L. Anderson. 1,758,734; May 13.
- Machine-tool control. L. F. Nenninger. 1,747,903; Feb. 18.
- Machine-tool rate-indicating dial. F. B. Heitkamp. Des. 81,479; July 1.
- Machine unit head, Milling-. L. E. Beaman. 1,775,084; Sept. 9.
- Machinery, Actuating mechanism for concentrating. M. J. Lide. 1,757,320; May 6.
- Machinery, Automatic feed control for cotton-opening. E. M. Holt. 1,783,333; Dec. 2.
- Machinery and method for making receptacles. E. Craig. 1,757,294; May 6.
- Machinery, Candy. W. B. Laskey. 1,765,873; June 24.
- Machinery, Envelope. A. Norvick. 1,771,732; July 29.
- Machinery for manufacturing shingles. M. S. Darrow, W. J. Hart, F. G. Gronemeyer, and F. B. Watkins. 1,765,058; June 17.
- Machinery, Protecting synchronous. R. J. Wensley. 1,770,961; July 22.
- Machinery used in the manufacture of leather goods and fabrics. J. J. Donovan. 1,768,236; June 24.
- Machining materials. M. Schenker. 1,771,192; July 22.
- Machines and the like, Recoil apparatus for testing. W. C. Moran. 1,745,182; Jan. 28.
- Machines, Feed control for hydraulically-operated. R. M. Galloway and C. H. Muhl. 1,766,118; June 24.
- Machines for interpreting perforated cards, Feeling device for. G. Tauschek. 1,745,388; Feb. 4.
- Machines for manufacturing envelopes, paper bags, and the like, Conveying means in. T. Hugo. 1,747,074; Feb. 11.
- Machines for printing floor coverings, Color carriage for. A. Jones. 1,778,673; Oct. 14.
- Machines for treating rubber and similar materials. R. C. Lewis. 1,773,367; Aug. 19.
- Machines for stamping postage on letters, and the like, Arresting and releasing device of. U. Kohler. 1,744,556; Jan. 21.
- Machines, System for the regulation of. M. Schleicher and W. Llesegang. 1,774,673; Sept. 2.
- Magazine, Film. A. L. V. C. Debrie. 1,747,931; Feb. 18.
- Magazine for printers' type. G. M. Porter. 1,783,811; Dec. 2.
- Magazine, Multicolor. R. G. Turner. 1,752,404; Apr. 1.
- Magazine rack. N. C. Stevens. Des. 81,506; July 1.
- Magazine throat. E. A. Ford. 1,763,039; June 10.
- Magazine, Weft-carrier. S. A. Nelson. 1,766,830; June 24.
- Magnesium and alloys therefor, Casting. H. Kelley. 1,772,490; Aug. 12.
- Magnesium and alloys thereof, Casting. J. E. Hoy. 1,751,038; Mar. 18.
- Magnesium bichromate, Preparation of. G. Kränzlein and A. Voss. 1,774,018; Aug. 26.
- Magnesium chloride, Purification of. A. K. Smith and C. F. Prutton. 1,768,797; July 1.
- Magnesium, etc., from dolomite or magnesian limestone, Production of metallic. H. H. Dow and E. O. Barstow. 1,749,211; Mar. 4.
- Magnet. H. S. Folker. 1,758,104; May 13.
- Magnet, Ammeter. J. Zubaty. 1,749,366; Mar. 4.
- Magnet construction. A. B. Cadman. 1,762,544; June 10.
- Magnet device. C. F. Heinkel. 1,768,907; July 1.
- Magnet for bowling alleys. C. O. Wardrop. 1,779,022; Oct. 21.
- Magnet, Lifting. F. W. Jessop. 1,767,458; June 24.
- Magnet, Permanent. C. Sattler. 1,773,793; Aug. 26.
- Magnet, Road. W. M. Carter. 1,759,687; May 20.
- Magnet, Rotary. J. Stoecklin. 1,764,658; June 17.
- Magnetic bodies, Producing. F. J. Given, R. M. C. Greenidge, and J. R. Weeks, jr. 1,759,612; May 20.
- Magnetic chuck. A. Humphreys. 1,744,768; Jan. 28.
- Magnetic contactor. H. E. White. 1,763,116; June 10.
- Magnetic core. E. Eisenmann and F. Bergmann. 1,783,560; Dec. 2.
- Magnetic core. W. J. Morrill. 1,783,050; Nov. 25.
- Magnetic core. P. Trombetta. 1,782,521; Nov. 25.
- Magnetic core. J. J. Vienneau. 1,783,063; Nov. 25.
- Magnetic cores, Production of improved. K. Eisenmann and F. Bergmann. 1,783,561; Dec. 2.
- Magnetic device. H. R. Van Deventer. 1,774,856; Sept. 2.
- Magnetic device. R. V. L. Hartley. 1,752,486; Apr. 1.
- Magnetic device. E. D. Mead. 1,743,470; Jan. 14.
- Magnetic device. E. D. Mead. 1,762,731; June 10.
- Magnetic device. E. J. Pratt. 1,743,478; Jan. 14.

- Magnetic device for handling metal bottle caps. H. A. Skov. 1,773,646; Aug. 19.
- Magnetic device for initiating movement. V. R. Brown. 1,767,739; June 24.
- Magnetic elements, Forming. A. P. Warner. 1,775,981; Sept. 16.
- Magnetic loading for twin conductors. W. Harrison. 1,752,556; Apr. 1.
- Magnetic material. A. F. Bandur. 1,743,089; Jan. 14.
- Magnetic material. W. F. Brandsma, R. Dijksterhuis, G. J. Sizoo, and G. B. Jonas. 1,785,246; Dec. 16.
- Magnetic material. G. W. Elmen. 1,757,178; May 6.
- Magnetic material. G. W. Elmen. 1,768,237; June 24.
- Magnetic material. G. W. Elmen. 1,768,238; June 24.
- Magnetic material. G. W. Elmen. 1,784,827; Dec. 16.
- Magnetic material and appliance. G. W. Elmen. 1,768,443; June 24.
- Magnetic material, Apparatus for conveying. W. McKee. 1,774,392; Aug. 26.
- Magnetic pick-up. O. M. Dunning. 1,786,985; Dec. 30.
- Magnetic materials, Producing. P. S. McCann. 1,765,436; June 24.
- Magnetic prospecting, Method and apparatus for. K. Sundberg. 1,748,659; Feb. 25.
- Magnetic reproducer. P. E. Fischler. 1,780,419; Nov. 4.
- Magnetic separator. R. S. Riley and H. F. Walton. 1,743,237; Jan. 14.
- Magnetic separator. J. Bing. 1,781,998; Nov. 18.
- Magnetic separator for spouts. H. H. Moyer. 1,769,268; July 1.
- Magnetic stepping motor. E. Quartier. 1,757,922; May 6.
- Magnetic structure. R. M. Bozorth. 1,747,854; Feb. 18.
- Magnetic switch. E. K. Clark. 1,743,115; Jan. 14.
- Magnetic testing apparatus. S. L. Gokhale. 1,742,990; Jan. 7.
- Magnetic testing device. F. H. Ohland. 1,751,710; Mar. 25.
- Magnetic testing, Method of and apparatus for. C. Kinsley. 1,743,087; Jan. 7.
- Magnetizable objects, Arrangement for testing. H. Chapuiseau and O. Emersleben. 1,782,462; Nov. 25.
- Magneto. T. G. Louis. 1,763,098; June 10.
- Magneto. P. Brown and T. G. Louis. 1,746,378; Feb. 11.
- Magneto. C. F. Reis. 1,782,939; Nov. 25.
- Magneto. W. J. Spengler. 1,776,013; Sept. 16.
- Magneto. W. Walther. 1,771,830; July 29.
- Magneto contact plug. T. Duflo. 1,752,590; Apr. 1.
- Magneto coupling. G. M. Cusick. 1,764,608; June 17.
- Mail and baggage, Mechanism for the automatic transfer of. C. N. Phelps. 1,749,603; Mar. 4.
- Magneto-electric machine for the generation of monophase current. E. Morel. 1,787,014; Dec. 30.
- Mail and parcel tube. J. A. Fluellen. 1,763,393; June 10.
- Mail box. O. M. Aarseeth. 1,781,264; Nov. 11.
- Mail box. C. Auth. 1,770,188; July 8.
- Mail box. C. F. Beck. 1,764,674; June 17.
- Mail box. A. E. Blackman. 1,785,404; Dec. 16.
- Mail box. M. E. Hughes. 1,762,477; June 10.
- Mail box. T. L. Parker. 1,760,961; June 3.
- Mail box. T. P. Shaw and G. W. Rakestraw. 1,748,657; Feb. 25.
- Mail box. P. Stay. 1,759,667; May 20.
- Mail box. A. C. Wood. 1,750,339; Mar. 11.
- Mail box, house number, knocker, and light therefor, Combined. E. J. Knapp. 1,756,559; Apr. 29.
- Mail box, Letter. W. R. Bankson. 1,777,740; Oct. 7.
- Mail box, Rural. J. B. Johnson. 1,784,447; Dec. 9.
- Mail exchange, Air-. H. E. Clifford. 1,760,684; May 27.
- Mail exchange, Aerial. L. C. Ashley and W. B. Bahn. 1,755,235; Apr. 22.
- Mail-sorting apparatus. T. W. Williamson and R. R. Gentry. 1,753,036; Apr. 1.
- Mailing tube. E. J. Schoettle. 1,745,341; Jan. 28.
- Mailing tube. H. H. Stout. 1,774,851; Sept. 2.
- Main ditch check and gate. W. B. Meyers. 1,770,319; July 8.
- Making machine, Box-end-. H. P. Schuck. 1,762,642; June 10.
- Make-up case. L. B. Weil. 1,767,567; June 24.
- Malt liquids, Manufacture of. C. A. Mitchel. 1,747,785; Feb. 18.
- Manacle. M. A. Gill. 1,746,890; Feb. 11.
- Manacle. S. F. Gill. 1,780,473; Nov. 4.
- Mandrel. H. R. Wilson and W. W. Smith. 1,761,859; June 3.
- Mandrel-delivering apparatus. T. P. Little. 1,760,875; June 3.
- Mandrel, Expanding. E. E. Stevenson. 1,772,692; Aug. 12.
- Mandrel, Expansive. J. Kuffner. 1,777,316; Oct. 7.
- Mandrel, Flexible. C. F. Walp. 1,748,158; Feb. 25.
- Mandrel for use in rolling machines. E. Keller. 1,773,004; Aug. 12.
- Mandrel moving and cooling apparatus. L. Löwy. 1,764,736; June 17.
- Manganese-compound recovery. N. A. Laury. 1,761,133; June 3.
- Manganese steel, Strain hardening. F. A. Fabrenwald. 1,784,865; Dec. 16.
- Mangle, Washing. C. Rieger. 1,787,286; Dec. 30.
- Manhole construction. C. A. Jaques. 1,757,196; May 6.
- Manhole cover plate. J. F. Grace. 1,745,848; Feb. 4.
- Manhole switch. J. M. Andersen. 1,774,628; Sept. 2.
- Manicure instrument. E. H. Futrell. 1,780,072; Oct. 28.
- Manicure instrument. R. H. Goldman. Des. 81,531; July 8.
- Manicuring, Apparatus for facilitating the manipulation of. E. C. Sachse. 1,783,262; Dec. 2.
- Manicuring device. A. E. R. Blomquist. 1,778,142; Oct. 14.
- Manicuring device. S. S. Jones. 1,742,862; Jan. 7.
- Manifold. E. M. Beebe. 1,771,607; July 29.
- Manifold. E. S. MacPherson. 1,756,161; Apr. 29.
- Manifold. E. S. MacPherson. 1,785,869; Dec. 23.
- Manifold-aligning device, Gravity. J. Q. Sherman and A. W. Metzner. 1,745,648; Feb. 4.
- Manifold attachment. M. Fern. 1,766,432; June 24.
- Manifold, Exhaust. C. S. Chapman. 1,775,511; Sept. 9.
- Manifold, Exhaust. W. B. Jupp. 1,756,465; Apr. 29.
- Manifold, Exhaust. W. B. Jupp. 1,760,557; May 27.
- Manifold for internal-combustion engines, Combined intake and exhaust. J. J. Wilson. 1,778,617; Oct. 14.
- Manifold for internal-combustion engines, Intake. S. I. Fekete. 1,768,551; July 1.
- Manifold for internal-combustion engines, Intake. S. I. Fekete and S. G. Baits. 1,771,886; July 29.
- Manifold for straight-eight internal-combustion engines, inlet. J. A. H. Barkelj. 1,787,186; Dec. 30.
- Manifold forms, Method and apparatus for making. L. J. Willard. 1,753,764; Apr. 8.
- Manifold, Gas heating. L. H. Berry. 1,784,924; Dec. 16.
- Manifold, Inlet. H. L. Brownback. 1,781,434; Nov. 11.
- Manifold, Intake. C. P. Brockway. 1,774,632; Sept. 2.
- Manifold, Intake. E. M. De Long. 1,780,519; Nov. 4.
- Manifold, Intake. W. H. Worthington. 1,767,031; June 24.
- Manifold, Muffler. E. R. Hewitt and W. B. Jupp. 1,760,553; May 27.
- Manifold records, Aligning device for making. W. J. Wiswall. 1,744,430; Jan. 21.
- Manifold, Refrigerant-compressor control. J. C. Scovel, jr. 1,756,571; Apr. 29.
- Manifold strips, Feed-limit device for. E. K. Bottle. 1,768,973; July 1.
- Manifolding. E. R. Gill, jr. 1,781,902; Nov. 18.
- Manifolding. A. W. Metzner. 1,754,034; Apr. 8.
- Manifolding book. E. K. Bottle. 1,772,034-5; Aug. 5.
- Manifolding device. A. W. Metzner. 1,767,469; June 24.
- Manifolding device. W. A. Pringle and L. F. Hagemann. 1,782,388; Nov. 18.
- Manifolding device. J. Q. Sherman and A. W. Metzner. 1,754,057; Apr. 8.
- Manifolding machine. E. K. Bottle. 1,771,741; July 29.
- Manifolding machine. A. W. Metzner. 1,767,689; June 24.
- Manifolding machine. A. W. Metzner. 1,779,440; Oct. 28.
- Manifolding machine. J. Q. Sherman and A. W. Metzner. 1,745,587; Feb. 4.
- Manifolding register. J. Q. Sherman. 1,779,450; Oct. 28.
- Manifolding sales book. E. K. Bottle. 1,772,030-33; Aug. 5.
- Manifolding sheet. J. A. B. Smith. 1,757,598; May 6.
- Manifolds, Air and vapor supply device for intake. G. W. Stultz. 1,751,769; Mar. 25.
- Manikin head. A. de W. Little. Des. 81,657; July 22.
- Manikin head or similar article. A. H. Nordhausen. Des. 81,498; July 1.
- Manikin, Walking. L. Marx. 1,764,330; June 17.
- Manipulator. J. A. Smitmans. 1,783,815; Dec. 2.
- Mantel. G. A. Simons and G. Freeberg. Des. 81,853-4; Aug. 19.
- Mantel. S. E. Sloss. Des. 80,975; Apr. 15.
- Manual control means for bucket cleaners. H. B. Van Scoit. 1,762,492; June 10.
- Manual key. H. H. Ide. 1,778,529; Oct. 14.
- Manual-training bench. C. H. Mason. 1,785,321; Dec. 16.
- Manually and magnetically operated vehicle brake, Combined. E. J. Prime. 1,762,420; June 10.
- Manure containing phosphoric acid and nitrogen, Producing a mixed. F. G. Liljenroth. 1,761,400; June 3.
- Manure distributor. W. P. Simpson. 1,770,437; July 15.
- Manure spreader. R. L. Grose. 1,760,490; May 27.
- Manure spreader. L. B. Neighbour. 1,765,993; June 24.
- Manure spreader. E. C. F. Schaefer. 1,769,715; July 1.
- Manure spreader. H. Synck. 1,782,053; Nov. 18.
- Manure spreader. P. R. Tucker. 1,748,431; Feb. 25.
- Manure-spreader body. E. C. Smith. 1,751,561; Mar. 25.
- Manway and cable guide, Combination. C. W. Harris and J. Taylor. 1,775,126; Sept. 9.
- Map display, Apparatus for. F. H. Swanson. 1,786,038; Dec. 23.
- Map-exhibiting apparatus for motor vehicles, Road-. W. L. Eglinton. 1,749,243; Mar. 4.
- Map finder. F. Mattenklott. 1,755,742; Apr. 22.
- Map hanger. G. T. Robinson. 1,755,897; Apr. 22.
- Maps, Device for carrying. G. P. Kent. 1,752,910; Apr. 1.
- Marble and wood grain surfaces, Reproducing. L. V. Casto. 1,773,940; Aug. 26.
- Marble, Producing artificial. J. Kneidl. 1,755,399; Apr. 22.
- Marbleized flexible sheets, Producing. G. M. McGuire. 1,761,305; June 3.
- Marcel cap. M. H. Thornburgh. 1,780,887; Nov. 4.
- Marcel waver. A. J. Janda. Re17,622; Mar. 18.
- Marceling iron. N. Stone. 1,756,104; Apr. 29.
- Marginal strips to articles, Apparatus for applying. C. W. Legullion and J. R. Gammeter. 1,755,926; Apr. 22.
- Marine and other type flushing toilet. J. H. Curtiss. 1,778,520; Oct. 14.

Marine boiler. O. H. Hartmann and H. Peperkorn. 1,754,167; Apr. 8.
 Marine craft. E. Boyce. 1,763,415; June 10.
 Marine derrick footing. C. L. Robertz. 1,769,858; July 1.
 Marine effects, Method of and apparatus for creating. C. Gibbons, R. T. Layton, and J. Basevi. 1,779,766; Oct. 28.
 Marine escape. W. Meredith. 1,766,300; June 24.
 Marine foundation and making the same. J. Jacobs. 1,758,606; May 13.
 Marine propulsion. J. W. Harvey. 1,786,997; Dec. 30.
 Marine rescue and salvage outfit. W. H. Ladd. 1,776,630; Sept. 23.
 Marine salvaging device. A. Iverson. 1,746,479; Feb. 11.
 Marine-type coupling, Flexible. M. W. Morgan. 1,770,744; July 15.
 Marine vessel, Oil-carrying. W. Reed-Hill. 1,759,644; May 20.
 Marker. J. W. Lee. 1,746,312; Feb. 11.
 Marker. B. N. Searcy. 1,769,468; July 1.
 Marker, Film reference. L. T. Robinson. 1,771,940; July 29.
 Marker, Flexible upright. M. E. Hartzler and E. P. Romilly. 1,778,110; Oct. 14.
 Marker for bank pass and other books and holder for checks of check folds. P. A. Getz. 1,754,093; Apr. 8.
 Marker for pavements. L. G. Woods. 1,748,466; Feb. 25.
 Marker for plants, flowers, and the like. F. W. Wolff. 1,753,960; Apr. 8.
 Marker, Grave. F. O. Hager. Des. 80,375; Jan. 21.
 Marker, Grave. R. H. Pollard. 1,748,584; Feb. 25.
 Marker, Horticultural. F. E. Chase. 1,766,704; June 24.
 Marker or indicator, Book. M. Guttman. 1,743,816; Jan. 14.
 Marker, Plant. A. C. Recker. 1,777,859; Oct. 7.
 Marker, Poultry. E. D. Olson and W. A. Horton. 1,780,715; Nov. 4.
 Marker, Sand box and ball-field. S. Williams. 1,769,480; July 1.
 Marker, Street. J. S. George. 1,776,660; Sept. 23.
 Marker, Street. J. V. Janin. 1,766,518; June 24.
 Marker, Street. W. S. Sherman. 1,785,602; Dec. 16.
 Marker, Street and highway. C. V. Johnson. 1,763,431; June 10.
 Marker, Surface. R. Foster. 1,747,665-6; Feb. 18.
 Marker-Traffic. R. Foster. 1,747,667; Feb. 18.
 Marker, Traffic. H. Kilborn. 1,771,892; July 29.
 Marker, Traffic. W. S. Sherman. 1,766,841; June 24.
 Marker, Umbrella. A. Scott. 1,779,496; Oct. 28.
 Marker, Upright highway. M. E. Hartzler and E. P. Romilly. 1,755,443; Apr. 22.
 Marking and gauging device. G. N. Gordon. 1,756,087; Apr. 29.
 Marking and printing means, Hand. E. R. Weber. 1,777,134; Sept. 30.
 Marking and salvaging device for sunken ships. E. Ellingson. 1,772,861; Aug. 12.
 Marking and stenciling machine, Traffic-line. C. V. Angier. 1,783,689; Dec. 2.
 Marking device. H. E. Edwards. 1,753,884; Apr. 8.
 Marking device. G. S. Whitmore. 1,781,620; Nov. 11.
 Marking device. J. Oberleitan. 1,777,104; Sept. 30.
 Marking device. F. W. Spellmeyer. 1,756,141; Apr. 29.
 Marking device. C. E. Maynard. 1,748,300; Feb. 25.
 Marking device, Cloth. F. Guth. 1,751,011; Mar. 18.
 Marking device for can-closing machines. J. Coyle. 1,783,109; Nov. 25.
 Marking machine. A. W. Altvater. 1,751,467; Mar. 25.
 Marking machine. W. H. Christophel, jr. 1,771,399; July 29.
 Marking machine. R. J. Ford. 1,745,531; Feb. 4.
 Marking machine. P. R. Glass. 1,779,091; Oct. 21.
 Marking machine. D. E. Harding. 1,756,163; Apr. 29.
 Marking machine. R. V. Woodworth. Rel. 7,715; June 24.
 Marking machine, Laundry. J. G. Brinkman. 1,743,328; Feb. 25.
 Marking patterns on cloth, Apparatus for. J. B. Whitaker. 1,763,734; June 17.
 Marking, printing, and embossing device. M. A. G. Luedtke and H. Hoffmann. 1,766,662; June 24.
 Marking process and material and producing said marking material. M. S. Kharasch. 1,761,347; June 3.
 Mask, Baseball. A. Weber. 1,775,009; Sept. 2.
 Mask, Face. M. Gimenez. 1,783,080; Nov. 25.
 Mask, Face and head. A. K. Morris. 1,769,186; July 1.
 Masking strip. J. O. Doty and P. C. Orcutt. 1,779,588; Oct. 28.
 Masonry, Anchorage in. H. Rosenberg. 1,784,754; Dec. 9.
 Masonry construction. W. W. Lillard. 1,777,926; Oct. 7.
 Masonry construction, Element for. K. H. Tengstedt. 1,759,070; May 20.
 Masonry surfaces, Apparatus for treating. L. S. Wertz. 1,766,419; June 24.
 Mass of powdered or granular material to the action of gases, particularly applicable to the calcining and roasting of ores and similar materials, Apparatus for subjecting a. H. M. Ridge. 1,758,805; May 13.
 Massage device. L. Arranz. 1,755,144; Apr. 15.
 Massage device. C. Miller. 1,758,962; May 20.
 Massage implement. C. Weeks. 1,769,872; July 1.
 Massage instrument. H. Berger. 1,768,306; June 24.
 Massage machine. A. B. Booth. 1,769,616; July 1.

Massage machine. A. W. Lair. 1,762,692; June 10.
 Massaging apparatus. W. H. Chapin. 1,757,004; May 6.
 Massaging, Apparatus for. M. Rüttger-Pelli. 1,777,151; Sept. 30.
 Massaging device. J. Grison. 1,782,005; Nov. 18.
 Massaging device. L. A. Mekler. 1,784,301; Dec. 9.
 Massaging device. A. Reith. 1,757,060; May 6.
 Massaging device. A. B. S. Stanley. 1,755,936; Apr. 22.
 Massaging device, Scalp. H. R. Well. 1,743,297; Jan. 14.
 Massaging machine. N. E. Goodrich. 1,750,303; Mar. 11.
 Massaging machine. N. E. Goodrich. 1,769,565-9; July 1.
 Massaging machine. W. F. Hendry. 1,758,663; May 13.
 Massaging machine, Electric. F. W. Knott. 1,783,171; Nov. 25.
 Massaging machine, Vibrator-type. A. W. Mertens. 1,743,789; Jan. 14.
 Massaging or exercising machines, Device for regulating the intensity of action of. A. D. Luehrmann. 1,747,372; Feb. 18.
 Massaging or exercising machines, Regulating the intensity of action of. A. D. Luehrmann and F. X. Meehan. 1,746,787; Feb. 11.
 Massaging or exercising machines, Regulating the intensity of action of. A. D. Luehrmann and F. X. Meehan. 1,747,371; Feb. 18.
 Massaging oscillator. D. Heyer. Des. 82,677; Dec. 2.
 Masseculite, Curing. J. Berge. 1,784,982; Dec. 16.
 Masses from cellulose esters, Manufacture of soft and pliable. O. Loehr. 1,783,176; Dec. 2.
 Mast. J. Klovra. 1,745,577; Feb. 4.
 Mast arm. P. H. Chase. 1,754,082; Apr. 8.
 Mast bracket, Aerial. E. P. Sadler. 1,745,814; Feb. 4.
 Master wheel. F. H. Trego. 1,743,639; Jan. 14.
 Masts, Erecting. J. E. Bushnell. 1,758,389; May 13.
 Mat: See—
 Filter mat. Hot-air mat.
 Flexible mat. Link mat.
 Floor mat. Rubber mat.
 Foot-cleaning mat. Stereotype mat.
 Golf driving mat.
 Mat, Automobile floor. J. F. Duffy. Des. 82,412; Nov. 4.
 Mat roaster. O. C. Roosen. 1,762,309; June 10.
 Match. H. H. Honigbaum. 1,781,920. Nov. 11.
 Match. F. Käppler. 1,768,202; June 24.
 Match. A. L. Wagner. 1,777,631; Oct. 7.
 Match box. B. Kovács. 1,759,751; May 20.
 Match box. C. C. Smiley. 1,746,290; Feb. 11.
 Match card and cover. J. Stirris. 1,754,060; Apr. 8.
 Match case, Self-feeding. J. F. Marx. 1,756,127; Apr. 29.
 Match holder and ash tray, Combination. A. Foltis. Des. 82,144; Sept. 30.
 Match machine. S. M. Friede and F. J. McGuire. 1,786,486; Dec. 30.
 Matchmaking machine. L. Greenbaum and C. Gustavson. 1,751,146; Mar. 18.
 Matchmaking machine. H. Kugler and G. Fischer. 1,778,262; Oct. 14.
 Match-manufacturing machine. S. Nelson. 1,780,359; Nov. 4.
 Match package. R. A. Novinsky and E. O. Barton. 1,754,036; Apr. 8.
 Match packet. R. S. Pullen. 1,782,074; Nov. 18.
 Match scratcher. B. Izuka. 1,766,295; June 24.
 Match-splint machine. B. M. Bogoslovsky. 1,769,914; July 8.
 Match splints, Impregnating. C. C. Haferkamp and W. J. Elder. 1,785,864; Dec. 23.
 Match-stock-cutting apparatus. S. M. Friede and F. J. McGuire. 1,781,900; Nov. 18.
 Matches and match tape, Method of and machine for manufacturing. J. Rinne. 1,784,111; Dec. 9.
 Matches, Collecting. P. W. Dietmann. 1,770,901; July 22.
 Matches from match-making machines, Device for collecting finished. P. W. Dietmann. 1,750,392; Mar. 11.
 Matches, Making. W. O. Augustine. 1,773,385; Aug. 19.
 Matches, Making. C. K. Light. 1,773,400; Aug. 19.
 Matches, Making. J. R. Nolan. 1,773,404; Aug. 19.
 Matches, Method and apparatus for making book. R. W. Smith. 1,769,080; July 1.
 Material against attack by moths, Protecting. W. Lommel. H. Münzel, W. Hentrich, and M. Hardtmann. 1,748,675; Feb. 25.
 Material agitation. R. J. Pepper. 1,760,374; May 27.
 Material and making the same, Sheet. E. L. Benedict. 1,766,096; June 24.
 Material, Apparatus and method for examining. J. Underwood and J. J. Barnet. 1,771,697; July 29.
 Material, Apparatus for and method of treating. E. T. Meakin. 1,766,030; June 24.
 Material carrier. J. W. Scott. 1,785,982; Dec. 23.
 Material classifier. C. F. Hine. 1,761,627; June 3.
 Material comprising calcium sulphate anhydrous calcium phosphate pyro and manufacturing same. C. B. Durgin and P. Logue. 1,747,579; Feb. 18.
 Material dispersion, Treating. J. R. Nellson. 1,781,188; Nov. 11.
 Material feeder. V. G. Leach. 1,767,248; June 24.
 Material-feeding apparatus. S. E. Boynton. 1,759,835; May 27.
 Material-feeding apparatus. H. R. Massingham. 1,744,779; Jan. 28.
 Material-feeding apparatus. H. R. Massingham. 1,752,604; Apr. 1.

- Material-feeding device. J. E. Kennedy. 1,751,335; Mar. 18.
- Material-feeding device. J. E. Kennedy. 1,764,108; June 17.
- Material for building and other purposes. L. S. Baier. 1,754,707; Apr. 15.
- Material for contact points and the like. J. A. Williams. 1,774,689; Sept. 2.
- Material for conversion into cellulose derivatives and producing the same. M. O. Schur and R. H. Rasch. 1,783,313; Dec. 2.
- Material for mine-ventilating tubing or the like, and producing the same. W. H. Evans. 1,775,488; Sept. 9.
- Material for road surfaces and applying same. J. F. Bennett and J. Hadfield. 1,748,535; Feb. 25.
- Material for soft boxes for toes and making same. Sheet. W. C. Bennett. 1,769,734; July 1.
- Material, Forming. C. D. Knowlton. 1,786,496; Dec. 30.
- Material from machines, Mechanism for cutting and facilitating the removal of. J. Horowitz. 1,747,075; Feb. 11.
- Material from one place to another, Apparatus for controllably transferring. A. Redler. 1,744,676; Jan. 21.
- Material-handling apparatus. J. R. Allan. 1,786,884; Dec. 30.
- Material-handling apparatus. F. A. Beatty. 1,778,621; Oct. 14.
- Material-handling apparatus. G. H. Gilman. 1,750,316; Mar. 11.
- Material-handling apparatus. L. L. Kelly. 1,781,644; Nov. 11.
- Material-handling apparatus. J. H. Kerber. 1,784,144; Dec. 9.
- Material-handling apparatus. R. D. King. 1,767,592; June 24.
- Material-handling apparatus. S. A. Knowles. 1,758,750; May 13.
- Material-handling device. C. J. Klein. 1,783,797; Dec. 2.
- Material-handling device, Portable. H. E. Meyer. 1,778,533; Oct. 14.
- Material-handling machine. A. W. Rybeck. 1,765,450; June 24.
- Material-handling plant. C. F. Bledsoe. 1,786,734; Dec. 30.
- Material-handling plant. G. O. Morford. 1,746,359; Feb. 11.
- Material in finely-divided or powdery form, Apparatus for disseminating. J. C. Savage. 1,787,397; Dec. 30.
- Material, Method of and apparatus for utilizing phase changeable. H. B. Rudd. 1,785,326; Dec. 16.
- Material reducing and means therefor. H. G. Lykken. 1,753,437; Apr. 8.
- Material-retaining gate. E. B. Tolman, jr. 1,746,410; Feb. 11.
- Material-shaking mechanism. R. Pawlikowski. 1,760,563; May 27.
- Material-spooling apparatus. H. Blount. 1,744,739; Jan. 28.
- Material spreader. P. M. Van Valkenburg. 1,760,455; May 27.
- Material strip for spring-tooth lock washers. R. T. Hosking. 1,784,142; Dec. 9.
- Material-transfer apparatus. H. H. Weiss. 1,783,487; Dec. 2.
- Material-transporting device, Pulverized-. J. Crites. 1,772,278; Aug. 5.
- Material treating and handling apparatus. J. D. Ferry. 1,760,979; June 3.
- Material-treating machine. G. M. Soule. 1,764,760; June 17.
- Material-treating machine. M. H. Spielman and W. H. Poesse. 1,764,700; June 17.
- Material-working apparatus. J. M. Cook. 1,764,606; June 17.
- Materials and method for sealing leaks in liquid-circulating systems. R. H. Churchill. 1,746,028; Feb. 4.
- Materials, Apparatus and process for treating. C. W. Vogt. 1,783,864; Dec. 2.
- Materials, Apparatus for cutting. E. P. Burrell. 1,786,698-9; Dec. 30.
- Materials, Apparatus for distilling solid carbonizable. F. T. Snyder. 1,785,565; Dec. 16.
- Materials, Apparatus for treating. F. Martindell. 1,786,416; Dec. 23.
- Materials, Apparatus for treating. L. S. Pfouts. 1,755,021; Apr. 15.
- Materials, Apparatus for treating mixed. W. L. Remick. 1,767,227; June 24.
- Materials by means of gases, Method and apparatus for processing. B. F. Uhl. 1,782,054; Nov. 18.
- Materials, Coating. L. Welsberg and R. B. Stevens. 1,756,772; Apr. 29.
- Materials, Device for reducing. H. G. Lykken. 1,756,253; Apr. 29.
- Materials, Device for reducing. H. G. Lykken. 1,761,138; June 3.
- Materials from moving aircraft, Process and apparatus for atomizing. N. E. Oglesby and F. R. Weaver. 1,784,157; Dec. 9.
- Materials, Identifying. D. J. Block. 1,771,612; July 29.
- Materials made of or containing cellulose derivatives, Coloration of. H. Dreyfus. 1,783,607; Dec. 2.
- Materials made of or containing cellulose derivatives, Treatment of. G. H. Ellis. 1,757,519; May 6.
- Materials, Mechanism and process for separating intermixed divided. K. Davis. 1,787,340; Dec. 30.
- Materials, Method and apparatus for pulverizing. M. W. Arrowood. 1,747,922; Feb. 18.
- Materials, Method and mechanism for separating divided. K. Davis. 1,786,739; Dec. 30.
- Materials, Method of and apparatus for annealing. C. B. Kingsley. 1,785,264; Dec. 16.
- Materials of different specific gravities, Method and apparatus for separating. T. M. Chance and H. O. Staples. 1,750,090; Mar. 11.
- Materials of different specific gravities, Separation of. T. M. Chance. Re17,873; Nov. 18.
- Materials, Process and apparatus for agitating. I. T. Thornton and J. H. Crowell. 1,778,049; Oct. 14.
- Materials, Process and apparatus for treating. C. W. Vogt. 1,783,866; Dec. 2.
- Materials, Testing. E. E. Blankenstein and C. M. Coulter. 1,748,969; Mar. 4.
- Materials to retard fading, Treatment of. E. W. Geisler. 1,783,114; Nov. 25.
- Materials to the action of indirect heat, Apparatus for subjecting. M. Cline. 1,763,758; June 17.
- Maternity slip. R. H. Patten. 1,765,937; June 24.
- Matrices, Making stereotype. G. Rosenblum. 1,776,197; Sept. 16.
- Matrices, Punching. H. R. Freund. 1,783,838; Dec. 2.
- Matrix. S. C. Forrester. 1,778,893; Oct. 21.
- Matrix-cleaning machine. D. L. Liddle. 1,753,243; Apr. 8.
- Matrix for composing machines. C. Yewdall. 1,767,829; June 24.
- Matrix for typographical machines. I. Fujii. 1,784,789; Dec. 9.
- Matrix former and drier, Combined. A. W. Cochran and H. W. Dewey. 1,754,460; Apr. 15.
- Matrix magazine. S. E. Sperry. 1,783,929; Dec. 2.
- Matrix-rolling machine. J. Rada. 1,743,902; Jan. 14.
- Matrix rolling, Process and apparatus for. W. F. Huck. 1,743,140; Jan. 14.
- Matrix-setting and line-casting machine. J. Dorneth. 1,750,707; Mar. 18.
- Matrix-setting and type-line-casting machine. J. Dorneth. 1,770,100; July 8.
- Matrix-setting and type-line-casting machine. J. Dorneth. 1,780,816; Nov. 4.
- Mats for use in making printing plates, Preparing. E. Martin. 1,756,564; Apr. 29.
- Matter, Composition of. H. H. Dow and J. J. Grebe. 1,775,716; Sept. 16.
- Matter, Composition of. W. B. Pratt. 1,762,194; June 10.
- Mattress. M. Bechik. 1,753,359; Apr. 8.
- Mattress. E. E. Edwards. 1,745,986; Feb. 4.
- Mattress. B. Harrison and E. Harrison. 1,748,477; Feb. 25.
- Mattress. E. Kriege. 1,784,294; Dec. 9.
- Mattress. M. Marsack. 1,760,424; May 27.
- Mattress. H. Wolf. 1,758,636; May 13.
- Mattress and cushion. L. A. Suekoff. 1,755,715; Apr. 22.
- Mattress and like structure. M. F. Bayer. 1,755,805; Apr. 22.
- Mattress and making same. D. Micon. 1,771,185; July 22.
- Mattress and making same. L. A. Suekoff. 1,755,714; Apr. 22.
- Mattress and making the same, Tufted. C. A. Soans. 1,771,822; July 29.
- Mattress and mattress boxing. L. E. Pittoni. 1,762,106; June 3.
- Mattress and the like. E. E. Edwards. 1,745,892; Feb. 4.
- Mattress covering or similar article. M. Sherover. Des. 82,287; Oct. 14.
- Mattress, Folding. B. M. Frank. 1,785,252; Dec. 16.
- Mattress, Multiunit. T. Poss. 1,772,225; Aug. 5.
- Mattress, Pliable wire. A. Arancibia. 1,744,999; Jan. 28.
- Mattress, Pneumatic. J. A. Christensen. 1,755,205; Apr. 22.
- Mattress, Retaining. L. T. Robinson. 1,758,718; May 13.
- Mattress, Spring-filled. L. A. Suekoff. 1,755,713; Apr. 22.
- Mattress, Surf. H. B. Marshall. 1,746,709; Feb. 11.
- Mattress tuft. R. F. Rutherford and W. Hood. 1,743,487; Jan. 14.
- Mattress-tufting device. R. F. Rutherford and W. Hood. 1,777,769; Oct. 7.
- Mausoleum. W. S. Mershon. 1,775,471; Sept. 9.
- Mausoleum. D. M. Rothenberger. 1,773,862-4; Aug. 26.
- Mausoleum construction. H. J. Person. 1,752,572; Apr. 1.
- Maximum-demand meter. C. Oman. 1,764,340; June 17.
- Measure, Oil. H. B. Donley and H. Balzer. 1,766,069; June 24.
- Measurement of active balance components. L. G. Abraham. 1,744,031; Jan. 21.
- Measurement of echoes. A. B. Clark. 1,748,171; Feb. 25.
- Measurement of echoes. J. P. Satterthwaite and J. E. Dingman. 1,748,192; Feb. 25.
- Measurement of liquids, Apparatus for the. J. Fraser. 1,763,427; June 10.
- Measurement of liquids by volume, Apparatus for the. J. Fraser. 1,763,426; June 10.
- Measurement of very weak alternating currents, Apparatus for the. W. N. Goodwin, jr. 1,746,935; Feb. 11.

- Measuring and apparatus therefor, Automatically. W. A. Darrah. 1,746,525; Feb. 11.
- Measuring and cutting device. F. G. Gronemeyer. 1,786,992; Dec. 30.
- Measuring and cutting punch, Tire-flap hole. H. J. Spalding. 1,753,305; Apr. 8.
- Measuring and delivering apparatus, Liquid. J. Garvie. 1,760,826; May 27.
- Measuring and dispensing apparatus, Liquid. M. J. Crawford. 1,756,085; Apr. 29.
- Measuring and dispensing apparatus, Liquid. F. D. and H. Pfening, jr. 1,775,293; Sept. 9.
- Measuring and dispensing can, Liquid. R. G. and R. M. Wilson. 1,783,457; Dec. 2.
- Measuring and dispensing can, Oil. V. Paone. 1,756,470; Apr. 29.
- Measuring and distributing apparatus. Pressure grease. J. W. Woodruff. 1,761,423; June 3.
- Measuring and dumping apparatus. W. M. Venable. 1,745,777; Feb. 4.
- Measuring and feeding device, Tobacco. J. R. Wysong. 1,763,546; June 10.
- Measuring and filling machine, Plastic-material. W. A. Coyte. 1,752,890; Apr. 1.
- Measuring and indicating efficiencies, Apparatus for. O. H. Wylder. 1,754,589; Apr. 15.
- Measuring and marking machine, Leather. G. A. Schettler. 1,762,355; June 10.
- Measuring and recording device. J. C. Wright, E. B. Wheeler and E. B. Wood. 1,762,942; June 10.
- Measuring and sampling means, Milk. R. Preston. 1,784,973; Dec. 16.
- Measuring and self-closing device for collapsible tubes. D. D. Levy. 1,772,904; Aug. 12.
- Measuring and shaping attachment for bookbinding machines, Back. N. S. Welk. 1,744,848; Jan. 28.
- Measuring and sorting device. R. W. Wagner. 1,758,268; May 13.
- Measuring apparatus. C. L. Hill. 1,743,137; Jan. 14.
- Measuring apparatus. E. F. Jones and J. A. Auld. 1,746,776; Feb. 11.
- Measuring apparatus. F. H. Patterson. 1,765,612; June 24.
- Measuring apparatus. W. M. Venable. 1,745,282; Jan. 28.
- Measuring apparatus, Electrical. P. M. F. Dugit and A. P. J.-M. Foulhouze. 1,769,422; July 1.
- Measuring apparatus, Electrical. C. Travis. 1,753,486; Apr. 8.
- Measuring apparatus, Liquid-. A. Bargeboer. 1,745,000; Jan. 28.
- Measuring apparatus, Oil-. J. W. Woodruff. 1,782,704; Nov. 25.
- Measuring apparatus, Water-. W. A. Bremer. 1,750,872; Mar. 18.
- Measuring average velocity for an appreciable length of time, Device for. W. Ruhling. 1,746,130; Feb. 4.
- Measuring device. H. S. Albrecht. 1,749,056; Mar. 4.
- Measuring device. C. W. Conaway. Des. 81,776; Aug. 12.
- Measuring device. A. P. Howard. 1,752,527; Apr. 1.
- Measuring device. M. N. Prange. 1,752,964; Apr. 1.
- Measuring device. W. B. Ranney. 1,780,601; Nov. 4.
- Measuring device, Automatic liquid. B. H. Dupuy. 1,769,499; July 1.
- Measuring device, Concrete water-. W. M. Venable. 1,772,297; Aug. 5.
- Measuring device, Container, and dispenser, Dry and liquid. J. N. Roos. 1,748,191; Feb. 25.
- Measuring device, Dentist's. W. P. Millar. 1,751,833; Mar. 25.
- Measuring device for cigar machines, Volumetric. W. B. Bronander. 1,765,821; June 24.
- Measuring device for concrete mixers, Water-. H. F. Wilms. 1,765,476; June 24.
- Measuring device for filling machines. P. Gangler. 1,776,897; Sept. 30.
- Measuring device for oil wells, Oil-level-. V. B. Sounitza. 1,746,616; Feb. 11.
- Measuring device for wire cloth. C. M. McCarthy. 1,759,992; May 27.
- Measuring device, Glow-tube. E. E. Charlton. 1,762,712; June 10.
- Measuring device in connection with boring machines. F. Turrettini. 1,775,952; Sept. 16.
- Measuring device, Liquid. B. J. Curtis and E. B. Bronson. 1,777,293; Oct. 7.
- Measuring device, Liquid-. R. Porte. 1,769,274; July 1.
- Measuring device, Oil-dispensing. B. Phillips. 1,754,966; Apr. 15.
- Measuring device, Powder-. G. B. Crandall. 1,746,766; Feb. 11.
- Measuring device provided with continuous counter, Liquid-. A. Pawlick and R. C. Giese. 1,754,039; Apr. 8.
- Measuring device, Stress-. O. B. Goldman. 1,766,782; June 24.
- Measuring device, Thermionic. S. C. Hoare. 1,760,597; May 27.
- Measuring device, Viscosity-. R. J. Haug. 1,756,120; Apr. 29.
- Measuring device with two alternately filled and discharged gauged vessels, Liquid-. H. Wylder. 1,743,745; Jan. 14.
- Measuring-dispensing device for containers. M. Bastiaens. 1,781,968; Nov. 18.
- Measuring distances, Apparatus for. P. T. Russell. 1,748,797; Feb. 25.
- Measuring distributor for liquids. J. J. M. Gueux. 1,745,896; Feb. 4.
- Measuring electrical quantities, Device for. B. H. C. Matthews. 1,759,951; May 27.
- Measuring feeder. S. T. Edwards. 1,763,139; June 10.
- Measuring granular materials volumetrically, Apparatus for. J. E. Lea. 1,773,816; Aug. 26.
- Measuring granulated or powdered materials, Apparatus for. W. Heerdt. 1,771,218; July 22.
- Measuring instrument. E. H. Bristol. 1,781,212; Nov. 11.
- Measuring instrument. C. G. Hershey. 1,756,005; Apr. 22.
- Measuring instrument. I. W. Reynolds. 1,781,246; Nov. 11.
- Measuring instrument. B. H. Smith. 1,757,597; May 6.
- Measuring instrument. C. B. Smith. 1,770,863; July 15.
- Measuring instrument, Dynamometric. P. Wiessner. 1,758,097; May 13.
- Measuring instrument, Electric. H. Butler. 1,753,043; Apr. 1.
- Measuring instrument, Electric. M. E. Cheney. 1,753,402; Apr. 8.
- Measuring instrument, Electric. H. T. Faus. 1,754,085; Apr. 8.
- Measuring instrument, Electric. I. F. Kinnard and H. T. Faus. 1,771,930; July 29.
- Measuring instrument, Electric. B. W. St. Clair. 1,776,708; Sept. 23.
- Measuring instrument, Electrical. A. Callsen. 1,750,259; Mar. 11.
- Measuring instrument, Electrical. J. H. Cone. 1,783,559; Dec. 2.
- Measuring instrument, Electrical. P. H. Craig. 1,778,795; Oct. 21.
- Measuring instrument, Electrical. E. H. Greibach. 1,757,625; May 6.
- Measuring instrument, Electrical. W. Hallack. 1,764,258; June 17.
- Measuring instrument, Electrical. F. H. Hibbard. 1,762,780; June 10.
- Measuring instrument, Electrical. C. L. Lipman. 1,755,009; Apr. 15.
- Measuring instrument, Electrical. J. H. Miller. 1,776,793; Sept. 30.
- Measuring instrument, Electrical. C. Oman. 1,764,339; June 17.
- Measuring instrument, Electrical. E. Reich. 1,777,733; Oct. 7.
- Measuring instrument, Electrical. J. H. Rouse. 1,772,760; Aug. 12.
- Measuring instrument, Electrical. A. R. Rutter. 1,764,351; June 17.
- Measuring instrument, Electrical. G. A. Sawin. 1,745,868; Feb. 4.
- Measuring instrument, Electrical. R. Simpson. 1,745,722; Feb. 4.
- Measuring instrument, Electrical. L. Stalder. 1,764,363; June 17.
- Measuring instrument, Electrical. F. E. Terman. 1,782,588; Nov. 25.
- Measuring instrument, Optical. G. B. Gallasch. 1,756,785; Apr. 29.
- Measuring instrument, Optical. G. B. Gallasch. 1,761,260; June 3.
- Measuring instrument or gauge. A. B. Ginter. 1,745,252; Jan. 28.
- Measuring instruments, Series-resistance for electric. W. Espe. 1,754,152; Apr. 8.
- Measuring level differences, Device for. E. Dietze. 1,755,244; Apr. 22.
- Measuring machine. H. A. Ballard. 1,756,081; Apr. 29.
- Measuring machine. J. M. Benjamin. 1,755,172; Apr. 22.
- Measuring machine. G. A. Schettler. 1,778,202; Oct. 14.
- Measuring machine, Leather-. R. J. McFall. 1,744,236; Jan. 21.
- Measuring machine, Leather-. H. P. Young. 1,767,499; June 24.
- Measuring machine, Tea-. S. Cooper. 1,774,354; Aug. 26.
- Measuring. Method and apparatus for. T. R. Harrison. 1,784,522; Dec. 9.
- Measuring or detecting device. W. J. Stallan. 1,782,151; Nov. 18.
- Measuring physical characteristics of flowing streams of fluid, Apparatus for. F. Schöninger. 1,752,855; Apr. 1.
- Measuring pressure. C. A. Sabbah. 1,754,180; Apr. 8.
- Measuring pressures, Apparatus for. C. Warluzel. 1,751,375; Mar. 18.
- Measuring production, Method of and apparatus for. P. A. Cooney. 1,746,638; Feb. 11.
- Measuring short intervals of time. W. Kunze. 1,759,648; May 20.
- Measuring system and method, Phase. W. A. Marrison. 1,768,262; June 24.
- Measuring tank, Automatic. G. E. Webb. 1,750,978; Mar. 18.
- Measuring tank, Siphon. C. J. Lawson. 1,772,903; Aug. 12.
- Measuring tank, Water-. G. E. Webb; 1,750,979; Mar. 18.
- Measuring the end-section capacity of coil-loaded telephone circuits. A. B. Clark. 1,746,304; Feb. 11.
- Measuring the hardness of materials, Apparatus for. A. F. Shore. 1,770,046; July 8.
- Measuring the hardness of materials, Apparatus for. A. F. and C. P. Shore. 1,770,045; July 8.

- Measuring the load on vehicles, Device for. C. Anderson. 1,763,636; June 17.
- Measuring the vital capacity of the lungs, Apparatus for. R. W. Scott. 1,781,735; Nov. 18.
- Measuring vessels, Device for alternately filling and emptying. H. Strehler. 1,745,387; Feb. 4.
- Meat chopper. R. K. Gullberg. 1,780,914; Nov. 11.
- Meat clamp. E. G. Streckfuss. 1,760,669; May 27.
- Meat cure, Manufacturing. E. H. Wright. 1,753,358; Apr. 8.
- Meat curing and smoking apparatus. R. E. Jordan. 1,776,072; Sept. 16.
- Meat-curing apparatus. A. E. Ozouf. 1,755,966; Apr. 22.
- Meat-curing method. R. E. Jordan. 1,755,992; Apr. 22.
- Meat cutting and handling apparatus. A. E. Ozouf. 1,764,850; June 17.
- Meat fork. A. T. Woods. 1,753,815; Apr. 8.
- Meat hook, Traveling. F. Meyer. 1,778,332; Oct. 14.
- Meat-mincing and sausage-meat-making machine. F. H. Wright and E. W. Lewis. 1,782,084; Nov. 18.
- Meat products, Apparatus for drying, smoking, and curing. A. E. Ozouf. 1,766,762; June 24.
- Meat-sawing machine. W. Grant and G. W. Limebaugh. 1,750,223; Mar. 11.
- Meat slicer. E. G. Streckfuss. 1,787,288; Dec. 30.
- Meat tenderer. E. Guggenheim and H. W. Spellman. 1,751,628; Mar. 25.
- Meat-tendering device. C. Crain. 1,742,949; Jan. 7.
- Meat-washing machine. F. A. Knight and C. E. Rowe. 1,756,517; Apr. 29.
- Meats, Condimentation of ground. H. E. Allen. 1,781,154; Nov. 11.
- Meats, Tendering. P. J. Deacon. 1,784,580; Dec. 9.
- Meats, Treating. F. Briggs. 1,767,054; June 24.
- Mechanical animal. J. B. Ellinger. 1,766,116; June 24.
- Mechanical bucking horse. R. H. Fike. 1,784,183; Dec. 9.
- Mechanical element. F. H. Bengel. 1,771,370; July 22.
- Mechanical movement. E. B. Allen. 1,743,511; Jan. 14.
- Mechanical movement. J. C. Call. 1,774,501; Sept. 2.
- Mechanical movement. C. Christiansen. 1,772,243; Aug. 5.
- Mechanical movement. W. C. Denham. 1,782,888; Nov. 25.
- Mechanical movement. N. L. Hammarström and E. A. Hoving. 1,784,185; Dec. 9.
- Mechanical movement. O. Johnson. 1,761,128; June 3.
- Mechanical movement. J. B. Kirby. 1,783,380; Dec. 2.
- Mechanical movement. E. Klahn. 1,784,450; Dec. 9.
- Mechanical movement. G. H. Knight. 1,762,063; June 3.
- Mechanical movement. G. G. Lemons. 1,784,842; Dec. 16.
- Mechanical movement. C. Littlefield. 1,745,855; Feb. 4.
- Mechanical movement. C. E. Nelson. 1,766,798; June 24.
- Mechanical movement. W. E. Nickerson. 1,779,981; Oct. 28.
- Mechanical movement. H. W. Nieman. 1,751,646; Mar. 25.
- Mechanical movement. W. F. Reschke. 1,782,697; Nov. 25.
- Mechanical movement. C. C. Williams. 1,772,531; Aug. 12.
- Mechanical movement and toy. E. H. Schmidt. 1,787,174; Dec. 30.
- Mechanical reminder. G. Hitzler. 1,772,485; Aug. 12.
- Mechanical separator. W. M. Cook. 1,783,357; Dec. 2.
- Mechanism and system for conveying loose materials. K. Davis. 1,771,778; July 29.
- Mechanism for applying brakes. W. J. Alberty. 1,774,583; Sept. 2.
- Mechanism for calculating machines, Actuating. E. Kassner. 1,774,924; Sept. 2.
- Mechanism for controlling knitting needles in plating operations. J. and R. H. Lawson. 1,785,200; Dec. 16.
- Mechanism for controlling the press rolls or like elements of edgers. R. E. Langill and W. B. Grueter. 1,769,927; July 8.
- Mechanism for the interconversion of reciprocating and rotary motions. A. G. M. Mitchell. Re17,701; June 17.
- Mechanism for the interconversion of reciprocating and rotary motion. A. G. M. Mitchell and J. P. Postlethwaite, and T. Smith. 1,781,069; Nov. 11.
- Mechanism for weaving striped cloth. D. C. Jones. 1,765,339; June 17.
- Medallion. P. J. Chéron. Des. 80,349; Jan. 14.
- Medallion. P. J. Chéron. Des. 81,228; May 27.
- Medallion. D. Cyganczuk. Des. 81,631; July 22.
- Medallion, Lace. L. Goldstein. Des. 81,784; Aug. 12.
- Media in equal proportions, Method and apparatus for mixing flowing. H. Groeck and F. Jordan. 1,749,811; Mar. 11.
- Medical apparatus, Electrogalvanic. A. Fischer. 1,753,854; Apr. 8.
- Medical apparatus, Vacuum. O. Sinanide. 1,767,320; June 24.
- Medical applicator, Womb. J. L. M. Guenard. 1,760,751; May 27.
- Medicament and preparing same, Solution of. C. L. Lautenschläger, M. Bockmühl, and R. Schwabe. 1,752,305; Apr. 1.
- Medicament applicator for feet. A. M. Stopford. 1,761,501; June 3.
- Medicaments containing bismuth, Production of. A. Liebrecht. 1,777,173; Sept. 30.
- Medicated beauty ball. E. I. Gilbert. 1,748,762; Feb. 25.
- Medicating apparatus. A. U. Wyss and W. R. Kern. 1,771,366; July 22.
- Medicinal bag. M. B. Sleeper. 1,768,796; July 1.
- Medicinal preparation. W. A. Bender and H. G. Loesch. 1,759,182; May 20.
- Medicinal product for intravenous use. A. W. Larson and A. K. Epstein. 1,775,133; Sept. 9.
- Medicine. L. A. Wilson. 1,784,324; Dec. 9.
- Megaphone. T. B. Gottshall. 1,767,358; June 24.
- Melody warner. D. Ronconi. 1,779,048; Oct. 21.
- Melting pot. A. N. Otis. 1,776,128; Sept. 16.
- Melting pot, Continuous glass-. E. E. Slick. 1,754,912; Apr. 15.
- Melting pot, Glass-. L. Showers. 1,754,838; Apr. 15.
- Membranes and product produced thereby, Making dialyzing and evaporating. P. A. Kober. 1,779,942; Oct. 28.
- Memorandum device. B. Griffiths. 1,745,255; Jan. 28.
- Memorandum device and memory tickler, Combined. C. J. McArthur. 1,762,728; June 10.
- Memory pad. R. E. Hooper. 1,760,408; May 27.
- Mending frame, Hosiery run-. J. J. Langer. 1,757,375; May 6.
- Menthol, Making inactive. K. Schöllkopf and A. Serini. 1,776,667; Sept. 23.
- Menthol, Making inactive. K. Schöllkopf and A. Serini. 1,776,668-71; Sept. 23.
- Menthol, Making inactive. K. Schöllkopf and A. Serini. 1,776,987-8; Sept. 16.
- Menthol, Manufacture of inactive. K. Schöllkopf and A. Serini. 1,773,500; Aug. 19.
- Menthol, Production of. W. Schoeller, H. Jordan, and R. Clerc. 1,765,620; June 24.
- Mercaptans of the furfuryl series, Producing. H. Straudinger and T. Reichstein. 1,748,527; Feb. 25.
- Mercaptothiazole and a Schiff's base and producing the same, Reaction product. L. B. Sebrell. 1,757,945; May 6.
- Mercurizing. H. P. Bassett and T. F. Banigan. 1,758,553; May 13.
- Merchandise carrier. E. E. Aseltine. 1,785,665; Dec. 16.
- Merchandise warmer. W. H. Palmer. 1,763,253; June 10.
- Merchandising fabric. A. R. Golden and J. I. Kahn. 1,780,228; Nov. 4.
- Mercury and the like, Process and apparatus for cleaning liquid. B. L. Newkirk. 1,786,312; Dec. 23.
- Mercury arc rectifier. C. Krämer. 1,756,868; Apr. 29.
- Mercury arc rectifier. D. Ulrey. 1,757,605; May 6.
- Mercury-arc rectifier. F. P. Whitaker. 1,771,279; July 22.
- Mercury boiler. A. J. Nerad. 1,759,133; May 20.
- Mercury-bromin derivative of fluorescein. W. L. Vogel. 1,749,201; Mar. 4.
- Mercury compound of 4-nitro-ortho-cresol and the product thereof, Producing a. G. W. Raiziss. Re17,563; Jan. 14.
- Mercury compound of meta cresol. D. M. Copley and J. P. Snyder. 1,782,090; Nov. 18.
- Mercury derivative of di-iodo resorcin sulfon-phthalein. F. Dunning. 1,757,176; May 6.
- Mercury derivative of tetra-iodo-fluo-rescein. L. M. Roeg. 1,786,172; Dec. 23.
- Mercury-extracting apparatus. L. Daams. 1,744,827; Jan. 28.
- Mercury flasher, Revolving. J. Doeppler. 1,747,469; Feb. 18.
- Mercury, Producing. W. Glaeser. 1,762,861; June 10.
- Mercury, Producing. W. Glaeser. 1,774,883; Sept. 2.
- Mercury rectifier. L. T. Robinson. 1,751,423; Mar. 18.
- Mercury switch. G. F. Callahan. 1,762,213; June 10.
- Mercury switch. P. K. Cramblet. 1,751,544; Mar. 25.
- Mercury switch. P. K. Cramblet. 1,770,479; July 15.
- Mercury switch. W. R. Walker. 1,743,067; Jan. 7.
- Mercury trap, Centrifugal. P. A. Neumann. 1,746,789; Feb. 11.
- Mercury-tube switch. I. E. McCabe. 1,757,436; May 6.
- Mercury-tube switch. I. E. McCabe. 1,757,970; May 13.
- Mercury-tube switch, Delayed-action. I. E. McCabe. 1,786,018; Dec. 23.
- Meridian for globes, Movable. J. F. Johnson. 1,782,924; Nov. 25.
- Merry-go-round. B. F. Davis. 1,744,617; Jan. 21.
- Merry-go-round. R. dos Santos. 1,783,586; Dec. 2.
- Merry-go-round. W. Powell. 1,761,895; June 3.
- Merry-go-round. O. J. Watts. 1,755,940; Apr. 22.
- Mesh fabric, Triangular. N. S. Harter. 1,759,256; May 20.
- Message-displaying device. G. F. Zealand. 1,780,054; Oct. 28.
- Messenger call box. G. W. Janson. 1,770,370; July 8.
- Metal. C. F. Lauenstein. 1,760,241; May 27.
- Metal adapter, Sheet-. H. E. Brunner and R. F. Runge. 1,759,640; May 20.
- Metal amino carbonyls and making the same. P. S. Danner and J. E. Muth. 1,780,643; Nov. 4.
- Metal and making the same, Coated. F. W. De Jahn and J. G. Dely. 1,755,686; Apr. 22.
- Metal and process of manufacture. J. G. Donaldson and H. L. Coles. 1,775,159; Sept. 9.
- Metal, Apparatus for cutting expanded. J. R. Winter. 1,747,807; Feb. 18.
- Metal, Apparatus for fireproofing structural. R. V. Yeager. 1,779,721; Oct. 28.
- Metal, Apparatus for handling sheet. E. R. Knapp. 1,746,536; Feb. 11.

- Metal, Apparatus for shaping sheet. O. J. Groehn and L. S. Lamb. 1,769,570; July 1.
- Metal, Apparatus for the reduction of impurities contaminating molten. L. Jones. 1,753,891; Apr. 8.
- Metal article. A. L. Davis. 1,767,653; June 24.
- Metal article and making the same, Composite. C. W. Miller and R. E. Bissell. 1,785,137; Dec. 16.
- Metal article, Friction. J. G. Leonard. 1,745,173; Jan. 28.
- Metal articles, Acid treatment of. R. E. Lawrence. 1,780,594; Nov. 4.
- Metal articles and applying coatings thereof, Coated. L. E. Barringer. 1,772,743; Aug. 12.
- Metal articles, Apparatus for casting. J. J. Dimeo. 1,745,891; Feb. 4.
- Metal articles, Apparatus for enameling. A. G. Sherman and A. Meadows. 1,787,175; Dec. 30.
- Metal articles, Apparatus for heat treating. T. R. Heyward. 1,766,633; June 24.
- Metal articles, Cleaning. H. P. Corson and R. E. Lawrence. 1,773,953; Aug. 26.
- Metal articles, Coating. F. M. Becket. 1,784,570; Dec. 9.
- Metal articles, Coating. J. S. George and R. S. Sperry. 1,783,188; Dec. 2.
- Metal articles, Making composite. R. E. Bissell and C. W. Miller. 1,745,886; Feb. 4.
- Metal articles, Method and apparatus for shaping sheet. O. J. Groehn. 1,749,913; Mar. 11.
- Metal articles, Method and mold for casting hollow. A. Law. 1,763,895; June 17.
- Metal articles, Rolled. F. W. Trabold. 1,743,008; Jan. 7.
- Metal articles, Treating ferrous. M. C. Baker and W. A. Dingman. 1,761,186; June 3.
- Metal articles with lead, Coating. S. Otis and W. T. Herren. 1,745,185; Jan. 28.
- Metal bands, Machine for forming. J. F. Peters. 1,773,856; Aug. 26.
- Metal bars, Forming soft-. B. F. Burt. 1,776,103; Sept. 16.
- Metal bars or billets, Device for selective handling of. E. H. Fors. 1,762,291; June 10.
- Metal, Bearing. P. Kemp. 1,754,364; Apr. 15.
- Metal, Bearing. R. J. Shoemaker. 1,745,721; Feb. 4.
- Metal bearing member and treating same. C. H. Seymour. 1,785,502; Dec. 16.
- Metal-bending machine. W. L. Fry. 1,773,812; Aug. 26.
- Metal blank or billet. C. A. Parsons and E. G. Brownlow. 1,774,563; Sept. 2.
- Metal blanks, Apparatus for feeding, positioning, and discharging. E. E. Johnson. 1,778,005; Oct. 7.
- Metal bodies, Apparatus for the continuous treatment of. M. Fourment. 1,749,700; Mar. 4.
- Metal bodies, Forming. R. A. Lewis and J. M. Sylvester. 1,779,607; Oct. 28.
- Metal bodies, Forming and knurling. O. U. Zerk. 1,753,258; Apr. 8.
- Metal bodies, Forming compound. F. Ehrmann. 1,771,620; July 29.
- Metal bodies from corrosive agencies, Protecting. P. F. Schade. 1,777,107; Sept. 30.
- Metal boiler sheets, Corrugating. C. E. Bronson. and J. F. Dickson. 1,771,028; July 22.
- Metal border strip. G. N. Allen and C. A. Bennett. Des. 82,361; Oct. 28.
- Metal border strip-. G. N. Allen and M. G. Parker. Des. 82,362; Oct. 28.
- Metal border strip. G. P. Ittig. Des. 81,335; June 10.
- Metal box, Sheet-. J. M. Shields. 1,770,534; July 15.
- Metal bromides, Preparing. J. H. Van Der Meulen. 1,775,598; Sept. 9.
- Metal buck construction. I. A. Baum. 1,765,711; June 24.
- Metal building construction, Sheet-. J. F. Loucks. 1,784,368; Dec. 9.
- Metal by rolling mills, Reduction of. A. Paterson. 1,786,775; Dec. 30.
- Metal carrier. J. R. Coe. 1,773,518; Aug. 19.
- Metal centrifugally cast against a refractory lining, Method of and flask for facilitating solidification of. A. Losey. 1,777,979; Oct. 7.
- Metal channels, Method and apparatus for forming sheet. L. S. Lamb. 1,769,349; July 1.
- Metal checks, Method and apparatus for electing. H. E. Wurzbach and L. H. Wadsworth. 1,751,120; Mar. 18.
- Metal clip. J. Fritz. 1,742,989; Jan. 7.
- Metal coat to insulating plates, particularly for use in electric condensers, Applying a firmly-adhering. E. Pfiffer. 1,744,281; Jan. 21.
- Metal coating and process and apparatus for producing the same, Protective. C. G. Fink and C. H. Eldridge. 1,786,398; Dec. 23.
- Metal-coating apparatus and method. C. W. Owston. 1,742,214; Jan. 7.
- Metal-coating baths and composition therefor, Protecting. E. R. Millring. Re17,722; July 8.
- Metal composition and making the same, Hard-. B. G. Gilson. 1,756,857; Apr. 29.
- Metal, Composition for and process of cleaning. J. D. Klinger and C. L. Boyle. 1,752,746; Apr. 1.
- Metal compounds, Manufacturing. M. Buchner. 1,776,064; Sept. 16.
- Metal compounds of o-hydroxyazo dyestuffs, Production of complex. H. Krzikalla. 1,765,680; June 24.
- Metal construction for vehicle bodies and other similar built-up sheet-metal structures, Sheet-. J. Ledwinka. 1,767,465; June 24.
- Metal cutting and grinding machine. J. W. Snarry. 1,753,096; Apr. 1.
- Metal, Cutting slots in. C. J. Coberly. 1,784,513; Dec. 9.
- Metal-cutting tool and alloy for making the same. W. A. Wissler. 1,774,862; Sept. 2.
- Metal, Desulphurizing ferrous. H. L. Frevert. 1,770,395; July 15.
- Metal-disk closure for hard candy, salted peanuts, and tobacco cans, Soft-. J. F. Peters. 1,773,855; Aug. 26.
- Metal drawing, Apparatus for. F. Stachelrodt. 1,747,999; Feb. 18.
- Metal-edging machine, Sheet-. W. R. Magee. 1,779,974; Oct. 28.
- Metal envelope for aircraft planes. C. Dornier. 1,753,823; Apr. 8.
- Metal-extruding apparatus. D. L. Summey. 1,768,866; July 1.
- Metal fabrics, Making. E. B. Carns. 1,750,831; Mar. 18.
- Metal fitting and attaching the same to metal walls, Sheet-. F. G. Wikstrom. Re17,827; Oct. 14.
- Metal foil. W. J. Hawkins. 1,760,645; May 27.
- Metal folder, Sheet-. F. J. Jarecki. 1,781,180; Nov. 11.
- Metal for painting, Preparing. J. H. Gravell. 1,765,331; June 17.
- Metal for painting, Preparing. J. H. Gravell. 1,781,507; Nov. 11.
- Metal, Galvanizing sheet. B. P. Finkbone. 1,776,852; Sept. 30.
- Metal-hardening process. G. A. Fleckenstein, E. M. Hanf, and M. L. Waterman. 1,759,690; May 20.
- Metal-heating furnace. R. Kaier. 1,779,435; Oct. 28.
- Metal hoop. A. M. Walstrom. 1,778,098; Oct. 14.
- Metal joining strip. G. A. Trachte. 1,779,346; Oct. 21.
- Metal joint. L. Wilson. 1,774,121; Aug. 26.
- Metal joist and the manufacture thereof. A. C. Wallen. 1,763,940; June 17.
- Metal legs, Making. M. A. Defibaugh. 1,743,438; Jan. 14.
- Metal lining for burial caskets, Sheet-. J. C. Marsellus. 1,771,801; July 29.
- Metal linings to hard-metal tubes, Apparatus for applying soft-. W. R. Smith. 1,748,851; Feb. 25.
- Metal manufacture, Spun-. R. G. Nelson. 1,775,732; Sept. 16.
- Metal, Mechanism for handling sheet. W. G. Wehr. 1,767,268; June 24.
- Metal melting pot. H. E. Scarbrough. 1,745,120; Jan. 28.
- Metal melts, Heating. A. Fry. 1,771,918; July 29.
- Metal members to glass envelopes, Method and apparatus for sealing thin. E. F. Gates. 1,779,311; Oct. 21.
- Metal, Method and apparatus for casting. E. S. Sawtelle. 1,752,280; Mar. 25.
- Metal, Method and apparatus for handling. R. T. Romine. 1,772,734; Aug. 12.
- Metal, Method of and apparatus for casting. A. W. Smith and J. M. Nelson. 1,757,549; May 6.
- Metal mixer, Hot-. L. E. Allen. 1,771,241; July 22.
- Metal mold, Ingot-type-. M. G. Bachmann. 1,771,110; July 22.
- Metal nailing strip. W. H. Elston. 1,758,150; May 13.
- Metal on metal tubes, Apparatus for electrolytically depositing. F. G. Martin and W. Ramsay. 1,783,885; Dec. 2.
- Metal or other fluent or semifluent material, Apparatus for casting molten. F. C. Morrison. 1,759,269; May 20.
- Metal oxides, Manufacture of. R. Griessbach and J. Eisele. 1,775,640; Sept. 16.
- Metal panels and the like, Apparatus for forming flanged openings in sheet-. R. E. Hansen and O. J. Groehn. 1,749,184; Mar. 4.
- Metal parts by electric welding, Uniting. C. L. Ipsen. 1,771,961; July 29.
- Metal pattern and making the same. A. K. Laukel. 1,744,974; Jan. 28.
- Metal pellets, Process and mechanism for making. D. Martin. 1,780,201; Nov. 4.
- Metal-perforating machine. G. P. Thomas. 1,775,359; Sept. 9.
- Metal pickling. J. C. Vignos. 1,756,317; Apr. 29.
- Metal pipe unit, Sheet-. M. Mambourg. 1,770,651; July 15.
- Metal plates for the production of printing plates, Preliminary treatment of. F. Ullmann. 1,785,606; Dec. 16.
- Metal plating. C. L. Peirce, jr. 1,748,363; Feb. 25.
- Metal, porcelain, celluloid, etc., in a plastic state, Coating with. J. Maurer. 1,778,850; Oct. 28.
- Metal powders. Producing lamelliform. E. Podszus. 1,785,283; Dec. 16.
- Metal, Producing a composite. F. C. Leonard. 1,764,271; June 17.
- Metal products, Apparatus for annealing rolled-. E. von Maltitz and F. Wille. 1,765,955; June 24.
- Metal, Protecting sheet. R. Z. Hopkins. 1,769,577; July 1.
- Metal, Recovering. R. W. Hyde. 1,746,945; Feb. 11.
- Metal reinforcement for timber poles. A. J. Wiley. 1,784,770; Dec. 9.
- Metal refiner, Deep-. W. M. Connor. 1,750,390; Mar. 11.
- Metal-reworking machine. C. A. Dix. 1,778,105; Oct. 14.
- Metal rings, Attaching laminated sheet-. W. Reichel. 1,764,890; June 17.
- Metal rods, bars, and the like, Manufacture of hollow. R. A. Hadfield. 1,757,524; May 6.
- Metal roll. C. W. Fulton. 1,743,446; Jan. 14.
- Metal rolling. R. S. A. Dougherty and N. Greenwell. 1,759,481; May 20.

- Metal, Rolling. D. Eppelsheimer. 1,786,834; Dec. 30.
 Metal, Rolling. W. T. Miller. 1,749,671; Mar. 4.
 Metal rolling. A. P. Steckel. 1,744,016; Jan. 14.
 Metal rolling. J. B. Tytus. 1,763,279; June 10.
 Metal, Rolling and annealing sheet. A. Paterson. 1,785,786; Dec. 23.
 Metal-rolling process and apparatus. A. R. Earnest. 1,778,487; Oct. 14.
 Metal, Rolling sheet. A. Paterson. 1,770,993; July 22.
 Metal, Rolling strip. C. H. Elliott. 1,754,745; Apr. 15.
 Metal roofing strip, Sheet-. O. Dreger. 1,747,663; Feb. 18.
 Metal salts of phthalic esters. C. I. B. Henning, C. E. Burke, and E. E. Reid. 1,742,506; Jan. 7.
 Metal-scouring machines, Scouring chamber for. C. A. Dreisbach. 1,753,883; Apr. 8.
 Metal section. H. E. White. 1,762,112; June 3.
 Metal section for sheet piling. W. C. Köhler. 1,771,224; July 22.
 Metal sections together, Joining. C. L. Gohmann. 1,757,664; May 6.
 Metal shaft and making same, Sheet-. C. A. Frahm and E. W. Rlemensneider. 1,777,080; Sept. 30.
 Metal sheet, Heat-resistant. E. R. Wehr and C. C. Mahlie. 1,764,132; June 17.
 Metal sheeting. R. R. Bloss. 1,780,862; Nov. 4.
 Metal sheeting. R. R. Bloss and S. B. Creamer. 1,770,063; July 8.
 Metal sheets by electrodeposition, Producing. H. M. Williams and R. G. Suman. 1,760,028; May 27.
 Metal sheets from ingots, Method and apparatus for manufacturing. R. D. Nye. 1,771,688; July 29.
 Metal sheets, Making. B. F. Hopkins and J. V. O. Palm. 1,756,196; Apr. 29.
 Metal sheets, Method of and apparatus for separating. P. E. Hunter and L. E. Endsley. 1,767,587; June 24.
 Metal sheets or strips, Manufacturing. F. Wille. 1,761,248; June 3.
 Metal sheets, Separating adhering rolled. E. Hinderer. 1,749,075; Mar. 4.
 Metal slat for window shades. W. E. Kallin and L. G. Boynton. 1,780,556; Nov. 4.
 Metal spiders, Apparatus for making flanged. D. W. Thomas. 1,765,807; June 24.
 Metal spools, Making. J. G. Jones. 1,754,205; Apr. 8.
 Metal-spraying device. R. Lensch and P. Leder. 1,776,632; Sept. 23.
 Metal stopper, Extensible. A. Rebichon. 1,774,667; Sept. 2.
 Metal strip, Rolling. A. P. Steckel. 1,744,017; Jan. 14.
 Metal strips, Hardening. C. Schumacher. 1,747,145; Feb. 11.
 Metal structure, Expanded-. W. A. Bates. 1,768,099; June 24.
 Metal structure for personal wear, Ornamental. E. Papert. 1,778,726; Oct. 21.
 Metal structure for railway cars. A. E. Small. 1,776,011; Sept. 16.
 Metal surfaces, Apparatus for hardening. A. E. Shorter and C. L. Boucher. 1,768,159; June 24.
 Metal surfaces, Cleaning and protecting. J. C. Vignos. 1,750,651; Mar. 18.
 Metal surfaces, Etching and decorating. J. C. McFarland. 1,750,418; Mar. 11.
 Metal surfacing to hard-metal plates, Apparatus for applying a soft. A. Gunthard. 1,756,739; Apr. 29.
 Metal tile structure. W. M. Goldsmith. 1,764,042; June 17.
 Metal-treating machine, Feeding mechanism for. A. F. Clarke. 1,763,092; June 10.
 Metal tubes, Forming. F. H. Poeppelmeier. 1,762,835; June 10.
 Metal tubes, Manufacture of. E. J. Gulick. 1,763,582; June 10.
 Metal unit, Hollow sheet-. A. R. Gross. 1,761,037; June 3.
 Metal, Utilizing bundled scrap. F. Wüst. 1,756,049; Apr. 29.
 Metal wheel, Cast. R. L. Hinman and W. H. Glenn. 1,777,671; Oct. 7.
 Metal with corncob material, Drying, cleaning, and polishing sheet. C. C. Traux. 1,750,498; Mar. 11.
 Metal work, Apparatus for and art of treatment of. H. Rosenberg. 1,786,508; Dec. 30.
 Metal working. J. R. Blakeslee. 1,771,610; July 29.
 Metal, working. H. H. Dow and J. E. Hoy. 1,774,824; Sept. 2.
 Metal-working apparatus. F. L. Jones. 1,748,045; Feb. 18.
 Metal-working machine. J. B. Armitage. 1,774,692; Sept. 2.
 Metal-working machine. R. S. Brown. 1,780,889; Nov. 4.
 Metal-working machine. C. C. Grotnes. 1,757,626; May 6.
 Metal-working machine. C. C. Grotnes. 1,767,754-5; June 24.
 Metal-working machine. H. G. Kellogg. 1,767,289; June 24.
 Metal-working machine, Sheet-. L. S. Platou. 1,774,155; Aug. 26.
 Metal-working machines, Spindle-stopping mechanism for. C. Q. Garey. 1,783,566; Dec. 2.
 Metal-working press. F. J. Rode. 1,773,548; Aug. 19.
 Metal working process and apparatus. A. C. Andresen. 1,753,677; Apr. 8.
 Metallic apparatus for carrying out chemical and other processes. F. Lappe, E. Koch, M. Pier, and H. Sauer. 1,783,726; Dec. 2.
 Metallic articles, Apparatus for coating. W. H. Sommer. 1,765,743; June 24.
 Metallic articles, Apparatus for welding hollow. H. P. Sailor. 1,766,229; June 24.
 Metallic bellows. C. L. Lee. 1,756,911; Apr. 29.
 Metallic coatings, Testing. K. Pitschner. 1,753,301; Apr. 8.
 Metallic composition, Hard. R. L. Adams. 1,775,014; Sept. 2.
 Metallic compounds of o-hydroxyazo dyestuffs, Treating complex. H. Krzikalla and H. Kämmerer. 1,767,379; June 24.
 Metallic compounds, Separating. O. A. Fischer. 1,779,841; Oct. 28.
 Metallic coupling, Flexible. C. W. McGuirk. 1,756,094; Apr. 29.
 Metallic cyanamides or mixtures containing them, Preparation of. H. H. Franck and H. Heimann. 1,745,753; Feb. 4.
 Metallic edging. T. R. Herbst and C. J. Hoffman. 1,776,284; Sept. 23.
 Metallic elements and alloys, Recovery of. H. M. Burkey and D. L. Ogden. 1,785,247; Dec. 16.
 Metallic fabric and forming seams therein. N. W. Webb. 1,747,272; Feb. 18.
 Metallic fabric for jewelry. H. Miller. Des. 81,548; July 8.
 Metallic insert for brick or tile structures. G. W. Denison. 1,781,445; Nov. 11.
 Metallic joint, Flexible. J. F. Cushing. 1,774,320; Aug. 26.
 Metallic masses, Detecting presence and approximate location of. F. S. Chapman. Re17,844; Oct. 21.
 Metallic material, Strain-applying device for. P. Wade. 1,785,923; Dec. 23.
 Metallic objects, Production of coated. E. D. Martin. 1,770,177; July 8.
 Metallic retaining members, Apparatus for forming. E. H. Schane. 1,758,470; May 13.
 Metallic screen. T. R. Herbst. 1,776,285; Sept. 23.
 Metallic strap, Flexible. W. Forstner. 1,751,475; Mar. 25.
 Metallic strap, Flexible. W. Forstner. 1,781,379; Nov. 11.
 Metallic structural element. A. H. Tashjian. 1,746,201; Feb. 4.
 Metallic structure. M. L. Carr. 1,786,822; Dec. 30.
 Metallic structure. R. V. Proctor. 1,778,606; Oct. 14.
 Metallic structure. A. F. Wendler and I. T. Thornton. 1,774,860; Sept. 2.
 Metallic structure and making same. H. H. Moss. 1,760,956; June 3.
 Metallic structure, Fabricated. W. Dalton. 1,774,423; Aug. 26.
 Metallic surfaces, Cleaning and preservation of. J. C. Vignos. 1,779,787; Oct. 28.
 Metallic surfaces, Removing incrustation formed on. R. Seligman. 1,759,762; May 20.
 Metallic tie. T. K. Marlow. 1,779,326; Oct. 21.
 Metallic tie and alignment lug therefor. J. J. Ross. 1,759,135; May 20.
 Metallic values, Process and apparatus for separating. E. W. Stevens. 1,754,408; Apr. 15.
 Metallurgical furnace. D. Cushing. 1,766,110; June 24.
 Metallurgical furnace. G. L. Danforth, jr. 1,769,213; July 1.
 Metallurgical furnace. F. A. J. Fitzgerald and J. Kelleher. 1,742,441; Jan. 7.
 Metallurgical furnace. R. D. Pike. 1,746,904; Feb. 11.
 Metallurgical process. R. D. Pike. 1,761,641; June 3.
 Metallurgical process. R. D. Pike. 1,769,604; July 1.
 Metallurgical process. J. H. White. 1,785,060; Dec. 16.
 Metallurgy of tin. W. O. Snelling. 1,766,463; June 24.
 Metals and alloys, Electrodeposition of. L. L. Linick. 1,777,121; Sept. 30.
 Metals and alloys, Producing. T. R. Haglund. 1,764,511; June 17.
 Metals and metallic alloys, Separation and purification of. A. Hanak. 1,786,908; Dec. 30.
 Metals and other materials with aluminium and aluminium alloys, Coating, impregnating, or alloying. W. Smith. 1,761,850; June 3.
 Metals, Apparatus for casting. W. F. Eppensteiner and H. M. Green. 1,748,333; Feb. 25.
 Metals, Apparatus for normalizing and pickling. F. J. Winder. 1,755,755; Apr. 22.
 Metals, Apparatus for reducing oxides of. J. W. Hornsey. 1,751,736; Mar. 25.
 Metals as oxides and operating the same, Blast furnace for reduction and recovery of volatilizable. W. Job. 1,759,559; May 20.
 Metals as oxides, Recovering gasifiable. F. Johannsen. 1,754,169; Apr. 8.
 Metals, Casting readily-oxidizable. W. W. Smith. 1,761,498; June 3.
 Metals, Cleaning. W. L. Semon. 1,756,311; Apr. 29.
 Metals, Coating. E. R. Millring. 1,760,603; May 27.
 Metals, Electrodeposition of. J. Hollins. 1,782,614; Nov. 25.
 Metals, Electrodeposition of platinum. H. E. Zschlegner. 1,779,457; Oct. 28.

- Metals, Electrolytic production of light. E. O. Barstow. 1,755,380; Apr. 22.
- Metals, Electrolytic recovery of. S. C. Smith. 1,754,125; Apr. 8.
- Metals, Etching precious. J. C. McFarland. 1,783,663; Dec. 2.
- Metals from metal carbonyls, Finely-divided. C. Müller and W. Schubardt. 1,759,661; May 20.
- Metals from ores or the like, Recovering volatilizable. H. Stephani. 1,755,712; Apr. 22.
- Metals from ores, Process of and furnace for extracting. S. C. G. Ekelund. 1,758,786; May 13.
- Metals from ores, Reduction of. J. W. Hornsey. 1,786,999; Dec. 30.
- Metals from their oxide ores, Apparatus for producing. W. E. Trent. 1,767,779; June 24.
- Metals in electric furnaces, Producing. E. G. T. Gustafsson. 1,751,083; Mar. 18.
- Metals in the molten state, Process and apparatus for refining industrial. J. A. Jack. 1,777,617; Oct. 7.
- Metals, Material for the low-temperature soldering of. J. A. Rognon. 1,759,279; May 20.
- Metals, Metallurgy of. H. H. Alexander. 1,756,967; May 6.
- Metals of the platinum group, Electrodepositing. C. W. Keitel. 1,779,436; Oct. 28.
- Metals or alloys, Deoxidation of molten. G. Masing. 1,774,837; Sept. 2.
- Metals, Parting-facing product for casting. B. F. Wallace. 1,758,095; May 13.
- Metals, Pickling and cleaning of. P. I. Murrill. 1,748,494; Feb. 25.
- Metals, Pickling of. V. Bertleff. 1,757,829; May 6.
- Metals, Pickling of. E. Chapman and A. Hill. 1,773,024; Aug. 12.
- Metals, Producing composite. H. L. Coles. 1,755,913; Apr. 22.
- Metals, Protection of. S. Z. de Ferranti. 1,752,239; Mar. 25.
- Metals, Protection of cuprous. I. T. Bennett. 1,746,987; Feb. 11.
- Metals, Protection of readily-oxidizable. G. Michel. 1,749,713; Mar. 4.
- Metals, Protectively treating. A. Arent. 1,770,828; July 15.
- Metals, Purification of. F. Wever. 1,745,464; Feb. 4.
- Metals, Recovering. U. A. Garred. 1,782,418; Nov. 25.
- Metals, Solvent inhibitor for the acid treatment of. W. S. Calcott and I. E. Lee. 1,785,513; Dec. 16.
- Metals such as those having a base of magnesium, aluminum, calcium, etc., Protecting easily-oxidizable. G. Michel. 1,754,581; Apr. 15.
- Metals, Treating. C. H. Anderson. 1,752,474; Apr. 1.
- Metals with acid liquors, Treatment of. M. Hartmann and W. Klarer. 1,778,634; Oct. 14.
- Metatarsal cushion. R. H. Johnson. 1,775,202; Sept. 9.
- Metatarsal-pad locator. J. L. Barth. 1,756,780; Apr. 29.
- Meteorological indicator. J. N. and A. S. Reynolds. 1,745,714; Feb. 4.
- Meter: *See*—
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| Computing meter. | Integrating meter. |
| Counting meter. | Liquid-flow meter. |
| Demand meter. | Liquid meter. |
| Electric meter. | Maximum-demand meter. |
| Electrical meter. | Radiation meter. |
| Electricity meter. | Recording meter. |
| Exposure meter. | Safety meter. |
| Flow meter. | Sand-washing meter. |
| Fluid-current meter. | Supported meter. |
| Fluid meter. | Torsion meter. |
| Gas meter. | Watt-hour meter. |
| Induction meter. | Water meter. |
| Induction watt-hour meter. | |
- Meter. C. M. Anderson. 1,751,021; Mar. 18.
- Meter. F. H. Best. 1,753,230; Apr. 8.
- Meter. F. C. Bisbee. 1,749,015; Mar. 4.
- Meter. M. Cornell. 1,753,552; Apr. 8.
- Meter. W. H. Edwards. 1,749,023; Mar. 4.
- Meter. T. R. Harrison. 1,743,852-3; Jan. 14.
- Meter. A. Herz. 1,760,646; May 27.
- Meter. L. A. Lewis. 1,776,189; Sept. 16.
- Meter. E. W. Niles. 1,749,044; Mar. 4.
- Meter. L. J. Stephenson and E. F. Pierce. 1,770,257; July 8.
- Meter. H. G. Weymouth. 1,755,905; Apr. 22.
- Meter adapter. H. J. L. Frank. 1,778,972; Oct. 21.
- Meter and controlling means for concrete mixers. G. Jaeger. 1,769,881; July 1.
- Meter and making same, Flow. M. Morrison. 1,759,239; May 20.
- Meter and the mounting thereof, Electric. F. W. Erickson. Re17,694; June 3.
- Meter box. F. C. Hush. 1,755,444; Apr. 22.
- Meter-box lid. M. F. Smith. 1,784,551; Dec. 9.
- Meter box, Water-. L. G. Haase and F. M. Brooks. 1,781,280; Nov. 11.
- Meter case, Photographic-exposure-. A. S. Howell. Des. 81,981; Sept. 9.
- Meter for automobiles, Fuel. C. Simmons. 1,766,262; June 24.
- Meter for compressed gas. E. P. B. Eckardt. 1,755,106; Apr. 15.
- Meter for lubricant-dispensing apparatus. S. Duvall. 1,759,302; May 20.
- Meter for radio apparatus, Prepayment. G. J. Zisch. 1,755,681; Apr. 22.
- Meter for sewing machines. B. G. Forbstein. 1,783,562; Dec. 2.
- Meter for transmission testing. F. H. Best. 1,753,231; Apr. 8.
- Meter housing. A. R. Rutter. 1,783,547; Dec. 2.
- Meter installation. G. E. Palmer. 1,774,562; Sept. 2.
- Meter mechanism, Electric-. R. Pudelko. 1,759,491; May 20.
- Meter-protective device and set-in inclosed electric switch. A. Parmet. 1,744,056; Jan. 21.
- Meter pump casing. H. H. Wolfe. Des. 81,949; Sept. 2.
- Meter-reading device. W. M. Weiss. 1,746,066; Feb. 4.
- Meter service appliance, Electric-. J. Sachs. 1,757,743-4; May 6.
- Meter service appliance, Electric-. J. Sachs. 1,767,261; June 24.
- Meter service appurtenance, Protected electric-. J. Sachs. 1,767,259-60; June 24.
- Meter service installation, Electric-. J. Sachs. 1,758,981; May 20.
- Meter structure, Induction-. A. Callsen. 1,745,842; Feb. 4.
- Meter-testing apparatus. J. T. Lucas. 1,751,554; Mar. 25.
- Metering device. H. E. Bragg. 1,753,330; Apr. 8.
- Metering, Flow. F. H. Brown. 1,768,563; July 1.
- Metering instrument. W. Noble. 1,761,678; June 3.
- Metering system, Remote-. S. Ostrolenk. 1,750,242; Mar. 11.
- Meters, Integrating and recording device for fluid. J. R. Armstrong. 1,749,094; Mar. 4.
- Meters, Method and apparatus for compensating integrating. E. S. Bristol. 1,777,030; Sept. 30.
- Meters, Method and mechanism for effecting correct registration in electricity. H. Fröhlich. 1,747,858; Feb. 18.
- Meters, Recording and billing attachment for. W. B. Betts. 1,742,377; Jan. 7.
- Meters, Recording device for. A. T. Seaman. 1,745,647; Feb. 4.
- Methane from gases, Synthesizing. A. H. White. 1,772,652; Aug. 12.
- Methanol from pyroligneous acid liquor, Removing. J. M. Coahran. 1,784,270; Dec. 9.
- Method of and apparatus for separating out and removing matter suspended in a fluid. H. S. Hele-Shaw. 1,773,797; Aug. 26.
- Methyleneamino compounds and preparing the same, Aromatic. M. Kahn, W. Schepss, and L. Zeh. 1,781,982; Nov. 18.
- Methylene-disalicylic-acid derivative. S. L. Summers. 1,743,630-36; Jan. 14.
- Metroscopic force-measuring instrument. R. Craig. 1,784,046; Dec. 9.
- Mica-laying machine. L. T. Frederick. 1,760,233; May 27.
- Mica sheet. F. R. Marcel. 1,748,389; Feb. 25.
- Mica-sorting machine. L. T. Frederick. 1,761,113; June 3.
- Mica tubes and sheets, Manufacture of. A. Lloyd. 1,784,737; Dec. 9.
- Micrometer caliper. E. J. Witchger. 1,763,941; June 17.
- Micrometer device. J. Edgar. 1,760,938; June 3.
- Micrometer or the like. E. G. Pehrsson. 1,760,372; May 27.
- Micrometer spring buffer stop. R. T. Jenney. 1,768,860; June 24.
- Micrometric drawing instrument. F. Schwartz. 1,785,500. Dec. 16.
- Microphone. R. A. Kiefer. 1,767,242; June 24.
- Microphone. L. H. Paddle. 1,768,211; June 24.
- Microphone. J. H. D. Ridley. 1,748,928; Feb. 25.
- Microphone. H. J. Round. 1,765,449; June 24.
- Microphone. S. Ruben. 1,748,620; Feb. 25.
- Microphone. O. von Bronk. 1,746,449; Feb. 11.
- Microphone, Condenser. F. C. Barton. 1,758,777; May 13.
- Microphone, Condenser. E. G. Crippen. 1,780,671; Nov. 4.
- Microphonic transmitter and amplifier therefor, Combined. L. Thompson. 1,760,672; May 27.
- Microscope, Pocket. K. Ahmels and L. Ohm. 1,755,759; Apr. 22.
- Microtelephone. J. Schneider and G. Heckmann. 1,760,566; May 27.
- Milk and cream cooler. J. N. Reinert. 1,757,058; May 6.
- Milk and cream preparations, Production of solid. P. Born. 1,786,559; Dec. 30.
- Milk cooler. H. E. Cann. 1,782,840; Nov. 25.
- Milk cooler. C. M. Lancaster. 1,768,916; July 1.
- Milk cooler. L. Rosenfeld. 1,783,100; Nov. 25.
- Milk-cooling device. H. Clevenger. 1,756,536; Apr. 29.
- Milk-drying apparatus and process. C. M. Peterson. 1,748,618; Feb. 25.
- Milk mixer. W. L. Rickard. 1,772,323; Aug. 5.
- Milk-pasteurizing apparatus. C. E. North. 1,742,871; Jan. 7.
- Milk pot. J. M. Tanzi. 1,768,013; June 24.
- Milk powder, Treatment of. I. S. Merrell and H. Schibsted. 1,786,858; Dec. 30.
- Milk product, Self-preserving. T. O'Connor. 1,749,153; Mar. 4.
- Milk, Treating. R. L. Hill. 1,772,349; Aug. 5.

- Milk, Treating. H. E. Mortland. 1,757,646; May 6.
 Milking apparatus, Cow-. C. H. Hapgood. 1,787,152; Dec. 30.
 Milking machine. C. H. Hapgood. 1,745,092; Jan. 28.
 Milking machine. F. G. Hodsdon. 1,786,846; Dec. 30.
 Milking machine. E. T. Jansson. 1,758,443; May 13.
 Milking machine. N. H. Norris. 1,745,309; Jan. 28.
 Milking machine, Claw for. H. J. Hull. 1,776,909; Sept. 30.
 Mill: See—
 Attrition mill. Homogenizing mill.
 Ball mill. Oil mill.
 Beater mill. Pilgering mill.
 Cane mill. Pulverizing mill.
 Coffee mill. Pulverizing or grinding mill.
 Crushing mill. Roll mill.
 Cutting and grinding mill. Roller mill.
 Disintegrating mill. Rolling mill.
 Grinding and separating mill. Screen mill.
 Grinding mill. Strip and sheet mill.
 Grinding, pulverizing, or disintegrating mill. Tube mill.
 Hammer mill. Turning and boring mill.
 Mill. R. H. Bowman. 1,780,112; Oct. 28.
 Mill. A. M. Dellinger. 1,744,299; Jan. 21.
 Mill. E. H. Dimler. 1,777,605; Oct. 7.
 Mill. A. Steinbrückner. 1,752,860; Apr. 1.
 Mill and underreamer, Combination expansion. L. Wells and O. W. Eckstein. 1,764,373; June 17.
 Mill catcher, Hot-. D. Bucciocone. 1,767,574; June 24.
 Mill catcher, Hot-. A. R. McArthur. 1,746,488; Feb. 11.
 Mill for grinding cocoa. O. Thurmman. 1,774,340; Aug. 26.
 Mill for grinding paints, inks, enamels and other viscous materials. E. G. Todd. 1,787,180; Dec. 30.
 Mill for tapered disks, Rolling. A. Martin. 1,750,480; Mar. 11.
 Mill guide, Roller-. M. Gorham. 1,784,148; Nov. 25.
 Mill guide, Rolling-. W. C. Loyd and H. G. McIlvried. 1,746,483; Feb. 11.
 Mill housing and bearing construction, Rolling-. J. R. George. 1,762,292; June 10.
 Mill housing, Rolling-. F. C. Czemba and H. W. Wilson. 1,765,907; June 24.
 Mill housing, Rolling-. J. R. George. 1,786,296; Dec. 23.
 Mill layout, Hot-rolling-. A. R. McArthur. 1,776,635; Sept. 23.
 Mill of the swing hammer or beater type, Grinding. J. P. van Gelder. 1,777,905; Oct. 7.
 Mill pulverizer. J. P. Polster. 1,753,474; Apr. 8.
 Mill structure, Tumbling-. H. W. Titgen. 1,765,291; June 17.
 Mill used for manufacturing sugar, Roller. J. Fisher. 1,757,903; May 6.
 Milling and drilling machine, Combined. G. Melling. 1,750,046; Mar. 11.
 Milling apparatus, Cane-. N. Kay. 1,758,445; May 13.
 Milling circular, Self-locking. G. Weislow. 1,760,460; May 27.
 Milling cutter. G. F. Havlista. 1,747,713; Feb. 18.
 Milling cutter. C. W. Metzger. 1,762,875; June 10.
 Milling machine. G. J. Abbott. 1,775,184; Sept. 9.
 Milling machine. W. D. Archea. 1,744,857; Jan. 28.
 Milling machine. L. A. Carter. 1,744,362; Jan. 21.
 Milling machine. J. W. Goetz and L. J. Radermacher. 1,750,885; Mar. 18.
 Milling machine. E. J. Kearney and J. B. Armitage. 1,771,575; July 29.
 Milling machine. J. M. Macrae. 1,743,150; Jan. 14.
 Milling machine. N. M. Marsillus. 1,756,831; Apr. 29.
 Milling machine. L. F. Nenninger. 1,761,841; June 3.
 Milling-machine organization. F. A. Parsons. 1,749,225; Mar. 4.
 Milling machine, Universal. J. R. Johnson. 1,763,708; June 17.
 Milling cutter. E. J. Kearney. 1,778,260; Oct. 14.
 Milling products, Treatment of edible. H. C. J. H. Gelissen. 1,773,989; Aug. 26.
 Mills, Automatic feeder for. H. J. Meyer. 1,772,874; Aug. 12.
 Mills, Automatic feeder for. W. A. Seymour. 1,755,490; Apr. 22.
 Mills, Discharge means for tube or ball. P. Bodenstein. 1,753,685; Apr. 8.
 Mills, Driving attachment for cane. W. L. Beall. 1,744,435; Jan. 21.
 Mills, Making grinding rolls for flour. J. J. Ross. 1,743,623; Jan. 14.
 Milliner's shears. N. O. Henault. 1,759,553; May 20.
 Mine car. V. Willoughby. 1,774,344; Aug. 26.
 Mine car and the like. A. H. Stow. 1,772,967; Aug. 12.
 Mine drill. W. Harasimlak. 1,768,318; June 24.
 Mine skips, Apparatus for tipping traveling. W. Rawling, J. B. Marshall, and J. Rumford. 1,749,354; Mar. 4.
 Mine-tie clip. J. J. Ross. 1,771,819; July 29.
 Mine tie, Reinforced. J. J. Ross. 1,753,534; Apr. 8.
 Mineral adsorbent and manufacturing same. J. T. Travers, C. H. Lewis, and O. M. Urbain. 1,783,396; Dec. 2.
 Mineral concentrator and process. A. Molander. 1,777,147; Sept. 30.
 Mineral fibrous material and process of manufacture. E. S. Ross. 1,776,740; Sept. 23.
 Mineral flotation apparatus. R. Lord. 1,761,136; June 3.
 Mineral granules, Coloring. H. C. Fisher. 1,766,814; June 24.
 Mineral matter, Coloring. H. C. Fisher. 1,766,815; June 24.
 Mineral or rock wool bats, Making. W. L. Miller. 1,765,026; June 17.
 Mineral silicates, Separating the constituents of. S. W. Scofield and J. B. La Rue. 1,751,663; Mar. 25.
 Minerals, Apparatus for agglomerating and roasting. A. de Samsonow. 1,784,658; Dec. 9.
 Minerals by froth flotation, Concentration of. L. W. Ferris. 1,784,280; Dec. 9.
 Minerals by means of liquid streams, Apparatus for washing. A. France. 1,759,940; May 27.
 Minerals, Concentration of. F. G. Moses, R. W. Hess, and R. L. Perkins. 1,774,183; Aug. 26.
 Minerals containing potassium, aluminum, and iron, Treating. C. E. Arnold. 1,742,191; Jan. 7.
 Minerals from ore or mineral-bearing sand, Device for extracting. J. S. Woods. 1,773,212; Aug. 19.
 Minerals separation, Apparatus and process for. J. Bland. 1,749,371; Mar. 4.
 Minerals, Treating siliceous. A. J. Moxham. 1,748,989; Mar. 4.
 Miner's drill. P. Lesko. 1,757,725; May 6.
 Mining and loading apparatus. E. C. Morgan. 1,755,332; Apr. 22.
 Mining and loading machine. E. C. Morgan. 1,783,443; Dec. 2.
 Mining apparatus. E. E. Claytor. 1,776,889; Sept. 30.
 Mining apparatus. M. P. Holmes. 1,785,959; Dec. 23.
 Mining apparatus. M. P. Holmes. 1,786,244; Dec. 23.
 Mining apparatus. C. F. Osgood. 1,785,974; Dec. 23.
 Mining apparatus. C. F. Osgood. 1,786,259; Dec. 23.
 Mining apparatus. F. E. Van Slyke. 1,761,060; June 3.
 Mining apparatus and method, Coal-. N. D. Levin. 1,778,297; Oct. 14.
 Mining, Apparatus for. T. K. Vogeley. 1,776,799; Sept. 30.
 Mining drill. F. W. Thurston. Re17,557; Jan. 7.
 Mining machine. J. H. Blair. 1,762,154; June 10.
 Mining machine. C. G. Boudette. 1,769,765; July 1.
 Mining machine. C. G. Boudette. 1,786,225; Dec. 23.
 Mining machine. H. A. Buehler. 1,754,304; Apr. 15.
 Mining machine. C. E. Davis. 1,765,524; June 24.
 Mining machine. C. E. Davis. 1,765,570; June 24.
 Mining machine. E. J. Doberstein. 1,749,069; Mar. 4.
 Mining machine. W. S. Gray. 1,765,528; June 24.
 Mining machine. M. Hardick. 1,765,529; June 24.
 Mining machine. L. F. Hess. 1,774,006; Aug. 26.
 Mining machine. M. P. Holmes. 1,769,878; July 1.
 Mining machine. M. P. Holmes. 1,770,922-4; July 22.
 Mining machine. M. P. Holmes. 1,773,532; Aug. 19.
 Mining machine. M. P. Holmes. 1,774,485; Aug. 26.
 Mining machine. M. P. Holmes. 1,777,615; Oct. 7.
 Mining machine. M. P. Holmes. 1,785,196; Dec. 16.
 Mining machine. M. P. Holmes. 1,785,957-8; Dec. 23.
 Mining machine. M. P. Holmes. 1,785,960-1; Dec. 23.
 Mining machine. M. P. Holmes. 1,786,243; Dec. 23.
 Mining machine. C. R. Hughes. 1,761,670; June 3.
 Mining machine. N. D. Levin. Re17,603; Feb. 25.
 Mining machine. N. D. Levin. Re17,855; Nov. 4.
 Mining machine. F. A. Lindgren. 1,754,328-9; Apr. 15.
 Mining machine. L. A. Maxson. 1,781,906; Nov. 18.
 Mining machine. F. B. Miller. 1,766,395; June 24.
 Mining machine. C. F. Osgood. 1,785,973; Dec. 23.
 Mining machine. T. E. Pray. 1,765,446; June 24.
 Mining machine. F. W. Vodoz. 1,747,196; Feb. 18.
 Mining machine, Coal-. N. D. Levin. 1,778,295-6; Oct. 14.
 Mining machine, Coal-. N. D. Levin. 1,778,298; Oct. 14.
 Mining machine, Dry-placer-. I. C. Lightfoot. 1,746,706; Feb. 11.
 Mining, Method and apparatus for. G. R. Lang. 1,779,883; Oct. 28.
 Mining or dredging plant. D. Jensen. 1,758,047; May 13.
 Mining prop. L. F. Gerdetz. 1,770,978; July 22.
 Mines from submarines, Laying of moored. H. B. Pratt. 1,777,416; Oct. 7.
 Minnow, Artificial. C. T. Pfueger. 1,756,260; Apr. 29.
 Minnow, Artificial. J. T. Welch. 1,772,058; Aug. 5.
 Mirror. J. Eiland. 1,776,496; Sept. 23.
 Mirror. S. Rauh. 1,746,225; Feb. 4.
 Mirror, Air-emitting and electric-light-actuating. I. Kulik. 1,764,455; June 17.
 Mirror and illuminating means. N. B. Braly. 1,774,314; Aug. 26.
 Mirror and instrument casing, Combined rear-vision. J. B. Weir and P. Bertell. Des. 82,355; Oct. 21.
 Mirror and instrument, Combined. W. La Hodny. Des. 82,436; Nov. 4.
 Mirror and support therefor, Illuminated. C. Brot. 1,743,595; Jan. 14.
 Mirror appliance, Oral-. W. H. Jordan. 1,747,009; Feb. 11.
 Mirror, Automobile. W. K. Anderson. 1,749,868; Mar. 11.
 Mirror, Character. W. E. Benton. 1,779,655; Oct. 28.
 Mirror, Dental. C. G. A. Rydman. 1,750,194; Mar. 11.
 Mirror device, Barber's. C. W. Cloud. 1,778,535; Oct. 14.
 Mirror, Duplex extension. F. B. Blackman. 1,748,034; Feb. 18.
 Mirror, Fender. J. R. Oishei. 1,774,496; Aug. 26.
 Mirror for barbers' chairs and the like, Adjustable. P. D. Barakauskas. 1,758,021; May 13.
 Mirror for watches. A. L. Peterson. 1,775,915; Sept. 16.
 Mirror frame. T. La Tessa. Des. 81,308; June 3.
 Mirror, Hand. E. J. Schwabe. Des. 82,060; Sept. 16.

- Mirror, Illuminated. N. B. Braly. 1,786,420; Dec. 30.
 Mirror mounting. E. W. Zink. 1,748,691; Feb. 25.
 Mirror, Nonglare front view. F. L. O. Wadsworth. 1,751,567; Mar. 25.
 Mirror or similar article. E. B. Langsdorf. Des. 80,956; Apr. 15.
 Mirror, Rear-view. C. Bittinger. 1,781,999; Nov. 18.
 Mirror, Rear-view. R. N. Falge. 1,768,354; June 24.
 Mirror, Rear-view. W. La Hodny. 1,744,316; Jan. 21.
 Mirror, Rear-view. F. G. Withrow. 1,757,280; May 6.
 Mirror, Rear-vision. J. L. Rice. 1,771,061; July 22.
 Mirror, Rear-vision. V. E. Showalter. 1,784,710; Dec. 9.
 Mirror set for automobiles, Combination rear-view- J. Fotakis. 1,771,251; July 22.
 Mirror, Shaving. J. A. Hoegger. 1,761,393; June 3.
 Mirror stand. F. N. Mariani. Des. 81,345; June 10.
 Mirror, Toilet. A. C. Finer. 1,768,043; June 24.
 Mirrors, Safety shutter for automobile. F. A. Smith. 1,743,575; Jan. 14.
 Miter for base screeds, Corner. J. H. Bowman. 1,753,596; Apr. 8.
 Miter for screeds, Corner. J. H. Bowman. 1,753,595; Apr. 8.
 Miter joint, Lock. J. S. Burton. 1,769,915; July 8.
 Mitering machine for printers, Power-driven. E. P. Ehrlinger. 1,751,137; Mar. 18.
 Mitt, Combination polish applying and finishing. C. A. Crane. 1,782,502; Nov. 25.
 Mitt or glove, Baseball-player's. U. C. Berry. 1,767,115; June 24.
 Mitten, Bathing and massaging. H. Weiss and A. Needelman. 1,766,365; June 24.
 Mixer: See—
 Air mixer. Drink mixer.
 Amalgam mixer. Electric mixer.
 Beverage mixer. Feed mixer.
 Cake mixer. Fuel mixer.
 Calimine mixer. Gas mixer.
 Cement mixer. Liquid mixer.
 Color mixer. Metal mixer.
 Concrete mixer. Milk mixer.
 Dental investment mixer. Stucco mixer.
 Dough mixer.
 Mixer. K. Adams. 1,780,733; Nov. 4.
 Mixer. K. Adams. 1,783,553; Dec. 2.
 Mixer. M. Gilson. 1,768,595; July 1.
 Mixer. R. F., F. J., C. R., and P. H. Lacey. 1,775,566; Sept. 9.
 Mixer. J. Johnson. 1,757,197; May 6.
 Mixer. J. Johnson. 1,768,955; July 1.
 Mixer for concrete. J. M. Owen. 1,753,716; Apr. 8.
 Mixer for cutting torches. G. C. Quelch. 1,745,190; Jan. 28.
 Mixer for internal-combustion engines, Fuel. J. McIntosh. 1,780,626; Nov. 4.
 Mixer for stucco compositions. F. J. Gough, W. M. McNeil, and F. D. Pfeffer. 1,767,791; June 24.
 Mixer, Shell for transit mixers. E. T. Tuller. 1,753,730; Apr. 8.
 Mixing and agitating machine. C. F. Ball. 1,766,584; June 24.
 Mixing and cooling apparatus. J. Peters. 1,769,890; July 1.
 Mixing and discharging apparatus. H. S. Beers. 1,764,498; June 17.
 Mixing and emulsifying apparatus. A. W. Empson. 1,770,302; July 8.
 Mixing and flow device, Combined. L. E. Bunch. 1,785,670; Dec. 16.
 Mixing and kneading machine. F. Aeschbach. 1,752,628; Apr. 1.
 Mixing and kneading machine. G. B. Eggert. 1,763,292; June 10.
 Mixing and separating or classifying apparatus. K. S. Valentine. 1,768,870; July 1.
 Mixing apparatus. H. S. Beers. 1,762,950; June 10.
 Mixing apparatus. C. J. Bleil. 1,745,291; Jan. 28.
 Mixing apparatus. W. C. Brumder. 1,752,833; Apr. 1.
 Mixing apparatus. A. C. Gilbert. 1,781,381; Nov. 11.
 Mixing apparatus. J. F. Goetz. 1,762,094; June 3.
 Mixing apparatus. G. H. Haines. Re17,875; Nov. 18.
 Mixing apparatus. G. H. Haines. 1,769,575-76; July 1.
 Mixing apparatus. J. Johnson. 1,768,956; July 1.
 Mixing apparatus. B. G. Klugh. 1,778,193; Oct. 14.
 Mixing apparatus. A. Knowles. 1,777,002; Sept. 30.
 Mixing apparatus. J. Peters. 1,768,926; July 1.
 Mixing apparatus. J. Peters. 1,777,893; Oct. 7.
 Mixing apparatus. A. B. and C. R. Smith. 1,751,221; Mar. 18.
 Mixing apparatus. A. B. and C. R. Smith. 1,782,795; Nov. 25.
 Mixing apparatus. K. J. Trynoski. 1,765,638; June 24.
 Mixing apparatus, Multistage. H. S. Beers. 1,768,735; July 1.
 Mixing apparatus, Shiftable. J. Peters. 1,768,928; July 1.
 Mixing ball, Dentist's. C. A. Walsh. 1,769,196; July 1.
 Mixing device. M. Alland. 1,781,359; Nov. 11.
 Mixing device. W. C. Brumder. 1,752,832; Apr. 1.
 Mixing device. F. L. Craddock. Re17,683; May 27.
 Mixing device. C. de Franca e Silva. 1,777,656; Oct. 7.
 Mixing device. A. C. Gilbert. 1,763,301; June 10.
 Mixing device. G. H. Goebel. 1,761,473; June 3.
 Mixing device. M. Hansen. 1,775,457; Sept. 9.
 Mixing device. F. W. Henderson. 1,758,111; May 13.
 Mixing device. A. J. Slonecker. 1,747,399; Feb. 18.
 Mixing device, Fluid-. W. A. Peters, jr. 1,780,438; Nov. 4.
 Mixing device for oil burners. A. A. Stutzman. 1,769,082; July 1.
 Mixing device, Liquid-. J. S. Watts. 1,763,335; June 10.
 Mixing, dissolving, or similar apparatus. H. S. Beers. 1,766,286; Apr. 29.
 Mixing drum. C. F. Ball. 1,766,582; June 24.
 Mixing drum for mixing concrete, mortar, and the like. H. Ruef. 1,770,532; July 15.
 Mixing implement. E. Simola and S. F. Smokes. 1,764,699; June 17.
 Mixing machine. G. W. Adams. 1,744,294; Jan. 21.
 Mixing machine. L. J. B. Blake. 1,748,276; Feb. 25.
 Mixing machine. J. F. Burn and J. Lancaster. 1,758,732; May 13.
 Mixing machine. W. F. Dehuff. 1,781,321; Nov. 11.
 Mixing machine. G. J. Hicks. 1,745,993; Feb. 4.
 Mixing machine. H. L. Johnston. 1,747,443; Feb. 18.
 Mixing machine. G. Royan. 1,767,481; June 24.
 Mixing machine. K. R. Schuster. 1,765,544; June 24.
 Mixing machine. F. Streich and W. P. Elwood. 1,757,098; May 6.
 Mixing machine. F. Streich and W. P. Elwood. 1,757,818; May 6.
 Mixing machine. C. B. Thorne. 1,767,102; June 24.
 Mixing machine. P. P. Yohe. 1,760,101; May 27.
 Mixing machine, Concrete-. A. W. Rybeck. 1,779,013; Oct. 21.
 Mixing machines, Door-operating mechanism for. A. C. Christensen. 1,755,426; Apr. 22.
 Mixing or emulsifying apparatus. J. Johnson. 1,768,957; July 1.
 Mixing or stirring machine. E. Christiansen. 1,767,346; June 24.
 Mixture-conversion apparatus for internal-combustion engines. A. Moore. 1,766,671; June 24.
 Models and patterns. Investing denture. E. E. Dalton and C. J. Ringle. 1,767,351; June 24.
 Modulating system. J. J. Numans. 1,784,610; Dec. 9.
 Modulating system for high-frequency currents. W. Runge. 1,775,213; Sept. 9.
 Modulation arrangement. M. Osnos. 1,772,841; Aug. 12.
 Modulation system. R. L. Davis. 1,744,214; Jan. 21.
 Modulation, System of. J. C. Kositzky. 1,755,739; Apr. 22.
 Modulator for heating systems. M. F. Hutchison. 1,759,310; May 20.
 Modulator for radiotelephones. H. H. C. Dunwoody. 1,750,679; Mar. 11.
 Moistener for gummed strips and the like. R. R. Shay. 1,783,679; Dec. 2.
 Moistener for stamps and adhesive paper. W. A. Uttz, sr. 81,509; July 1.
 Moistening apparatus for mine ventilation. E. T. Lednum. 1,777,277; Sept. 30.
 Moistening device. J. H. Leal. 1,742,548; Jan. 7.
 Moisture content of sheet material, Measuring. A. Allen. 1,781,153; Nov. 11.
 Moisture-eliminating ventilator. H. B. Burke. 1,748,863; Feb. 25.
 Moisture from air, Apparatus for extracting. F. R. Hall. 1,780,156; Nov. 4.
 Moisture from flue gases, Preventing condensation of. G. G. Schmidt. 1,773,870; Aug. 26.
 Moisture from vapor, Apparatus for separating. J. Hamill. 1,784,627; Dec. 9.
 Moisture in aggregate, Determining. R. E. Robb. 1,749,606; Mar. 4.
 Moisture in paper or textile webbing, Apparatus for the automatic determination of. A. R. Harvey. 1,746,937; Feb. 11.
 Moisture-laden materials, Apparatus for drying. W. H. Haslam. 1,779,470; Oct. 28.
 Moisture to hygrometers, humidity regulators, and the like, Supplying. A. J. Loepsinger. 1,765,842; June 24.
 Molasses and cereal product and making. J. C. MacLachlan. 1,774,802; Sept. 2.
 Molasses, Treating. R. Hamburger and S. Kaesz. 1,770,402; July 15.
 Mold: See—
 Battery-box mold. Jacketed mold.
 Boot and shoe last mold. Metal mold.
 Brick mold. Pastry mold.
 Bullet mold. Permanent mold.
 Cast-iron mold. Pig mold.
 Casting and chilling mold. Pipe mold.
 Casting mold. Sausage and meat mold.
 Chilling mold. Splicing mold.
 Cornice mold. Typographic mold.
 Filling mold. Typographical mold.
 Gasket mold. Tire mold.
 Hamburger mold. Tire-retreading mold.
 Ingot mold. Vulcanizing mold.
 Inner-tube mold. Wall mold.
 Mold. A. T. Bateman and A. Irvine. 1,766,093; June 24.
 Mold. W. F. Church. 1,775,812; Sept. 16.
 Mold. F. J. Creque. 1,745,408; Feb. 4.
 Mold. R. P. M. Davis. 1,774,547; Sept. 2.
 Mold. E. G. Fahlman. 1,770,368; July 8.
 Mold. T. L. Fawick. 1,768,590; July 1.
 Mold. A. S. Ferriera. 1,782,813; Nov. 25.
 Mold. S. Flam. 1,754,087; Apr. 8.
 Mold. W. G. Goodwin. 1,783,285; Dec. 2.
 Mold. C. R. Harry. 1,745,991; Feb. 4.

- Mold. P. Keller. 1,781,658; Nov. 11.
Mold. G. E. Nagel. 1,753,061; Apr. 1.
Mold. L. D. Oliver. 1,768,922; July 1.
Mold. O. S. Papazian. 1,744,571; Jan. 21.
Mold. H. A. Redmond. 1,764,889; June 17.
Mold. E. H. Traut. 1,752,040; Mar. 25.
Mold. W. P. Voth. 1,756,265-6; Apr. 29.
Mold. H. W. Watson. 1,785,797; Dec. 23.
Mold. W. M. Weil. 1,758,488; May 13.
Mold and core for line-casting machines. E. W. Johnson. 1,749,770; Mar. 11.
Mold and facing therefor. C. C. De Witt. 1,770,684; July 15.
Mold and filling the same. R. Minke. 1,774,104; Aug. 26.
Mold and forming the same, Metallic. W. H. Smith. 1,775,701; Sept. 16.
Mold and making the same, Pottery. W. J. Miller. 1,784,373; Dec. 9.
Mold and trimmer for rubber heels, soles, and all mechanical molded rubber goods, Combination. J. M. Andre. 1,768,093; June 24.
Mold breaker. J. Scherner. 1,762,836; June 10.
Mold charges, Method and apparatus for retarding freely-falling. A. R. Hunter. 1,755,397; Apr. 22.
Mold core, Combustibly-destructible. A. C. Waters. 1,775,576; Sept. 9.
Mold for alumino-thermic welding, Casting. H. Schultz. 1,760,010; May 27.
Mold for baking cup pastry and the like. W. W. Turnbull. 1,759,924; May 27.
Mold for casting ingots of steel or other metals. A. G. E. Hultgren. 1,781,392; Nov. 11.
Mold for casting metal bodies, Compound. G. Bübler. 1,784,174; Dec. 9.
Mold for casting metals. W. F. Eppensteiner. 1,776,355; Sept. 23.
Mold for casting metals. W. F. Eppensteiner. 1,785,941; Dec. 23.
Mold for casting noniron metals, Chill. A. M. Erichsen. 1,774,426; Aug. 26.
Mold for casting sulphur. W. von Dieterich. 1,784,769; Dec. 9.
Mold for concrete buildings. A. G. W. Wedberg. 1,780,661; Nov. 4.
Mold for constructing trusses. J. L. McKeown. 1,761,306; June 3.
Mold for curing hollow molded articles. T. L. Fawick. 1,751,803; Mar. 25.
Mold for edible articles. F. L. Schade. 1,773,603; Aug. 19.
Mold for electric-cured tires. A. A. Glidden, T. M. Knowland, and W. R. Dow. 1,777,486; Oct. 7.
Mold for forming artificial teeth and facings. L. H. Sprinkle. 1,769,807; July 1.
Mold for forming coated confections. R. T. Park. 1,757,683; May 6.
Mold for forming cones for ice cream and frozen custard. E. D. Kohr. 1,783,798-9; Dec. 2.
Mold for frozen carbonated confections. H. A. Mundorff. 1,743,375; Jan. 14.
Mold for head cores. W. D. Moore, J. B. Loring and W. J. Bowers. 1,762,876; June 10.
Mold for making castings, Permanent. J. S. Thompson. 1,745,515; Feb. 4.
Mold for making vitreous china articles. L. A. Perry. 1,776,701; Sept. 23.
Mold for manufacturing boots, shoes, and similar articles of rubber of other plastic material H., A., and G. Steppé. 1,787,177; Dec. 30.
Mold for metallic castings. A. L. Boegehold. 1,759,831; May 27.
Mold for retreading tires, Adjustable. F. L. Smith, J. S. Caulfield, and C. J. Peterson. 1,750,867; Mar. 18.
Mold for sole pressing machines. E. J. Goodwin. 1,768,050; June 24.
Mold for stoneware jars and the like. J. M. Strand. 1,747,192; Feb. 18.
Mold for the manufacture of chocolate articles. O. R. Meinhöfer. 1,780,091; Oct. 28.
Mold for tiles. G. W. Fisher and C. G. Henrikson. 1,768,045; June 24.
Mold for vulcanizing flanges on pipe ends. L. C. Emmerich. 1,757,994; May 13.
Mold for vulcanizing tires. P. Keller. 1,779,396; Oct. 21.
Mold-form clamp. H. M. Kishpaugh. 1,750,525; Mar. 11.
Mold form construction. D. Bierbaalder. 1,784,329; Dec. 9.
Mold-manipulating method and apparatus. B. G. Kuhne and H. Haiss. 1,746,267; Feb. 11.
Mold members, Device for operating. A. T. Bateman. 1,772,795; Aug. 12.
Mold or plate hanger. W. S. Jones. 1,773,042; Aug. 12.
Mold pattern. F. W. Tickner and J. Thomas. 1,749,454; Mar. 4.
Mold-pattern units, Positioning. T. J. Flack. 1,784,345; Dec. 9.
Mold-rotating machine. W. Underwood. 1,757,274; May 6.
Mold stand. A. T. Bateman and F. E. Storey. 1,777,288-9; Oct. 7.
Mold structure, Centrifugal pipe. J. H. Uhrig. 1,767,024; June 24.
Mold such as used in the manufacture of wafer biscuits and for other purposes. G. R. Baker. 1,763,211; June 10.
Mold wash. H. L. Braden. 1,752,725; Apr. 1.
Mold wash. A. E. Kayes and F. Moehling. 1,767,764; June 24.
Moldable product and preparing the same. B. W. Nordlander. 1,761,740; June 3.
Moldable product and producing the same. S. F. Walton. 1,781,204; Nov. 11.
Molded article and making the same, Ornamental. H. P. Mills. 1,742,516; Jan. 7.
Molded articles, Production of. T. A. Edison. 1,744,534; Jan. 21.
Molded body to be used in diffusion, filtration, etc., and making the same, Porous. J. Muller. 1,742,411; Jan. 7.
Molded extension tops and molded boots, Manufacturing. A. A. Glidden and T. M. Knowland. 1,758,438; May 13.
Molded ware, Method and apparatus for drying and burning. J. M. Pillatzke. 1,786,364; Dec. 23.
Molder's flask. W. A. and K. L. Moore. 1,760,711; May 27.
Molding. J. C. Connor. 1,778,419; Oct. 14.
Molding. J. F. Hines. 1,773,732; Aug. 26.
Molding apparatus. A. T. Bateman and A. Irvine. 1,777,287; Oct. 7.
Molding apparatus. A. T. Bateman and A. Irvine. 1,780,514; Nov. 4.
Molding apparatus. B. L. Elwell. 1,750,217; Mar. 11.
Molding apparatus. C. Jackson. 1,774,977; Sept. 2.
Molding apparatus. L. D. Kay. 1,753,608; Apr. 8.
Molding apparatus. F. J. Leuthner. 1,783,805; Dec. 2.
Molding apparatus. N. L. Olson. 1,750,424; Mar. 11.
Molding apparatus and process, Centrifugal. C. S. Sorensen. 1,787,094; Dec. 30.
Molding, Apparatus for. C. D. Pettis. 1,752,308; Apr. 1.
Molding apparatus for ingot molds. J. E. Perry and J. A. Lanigan. 1,762,225; June 3.
Molding apparatus for making dentures and plates for dental purposes. K. Dehne. 1,766,113; June 24.
Molding apparatus for pneumatic tubes, tires, and the like. W. L. Fairchild. 1,784,623; Dec. 9.
Molding apparatus for sash weights. W. J. Loudenslager. 1,772,463; Aug. 12.
Molding apparatus, Tube-. J. R. Gammeter. 1,773,138; Aug. 19.
Molding articles. J. H. Tomlin. 1,764,662; June 17.
Molding bender, Corner-. J. W. Farr. 1,742,851; Jan. 7.
Molding, Body. W. J. Moore. 1,744,238; Jan. 21.
Molding box. H. Ackermann. 1,767,163; June 24.
Molding box, Foundry. A. B. Smith and C. R. Smith. 1,757,226; May 6.
Molding compound and its production. H. S. Snell. 1,752,580; Apr. 1.
Molding device. H. A. Denmire. 1,744,753; Jan. 28.
Molding device. F. J. Spang. 1,748,250; Feb. 25.
Molding device, Centrifugal. J. F. Ne Page. 1,777,763; Oct. 7.
Molding, Drip and trim. J. B. Zimmers. 1,783,896; Dec. 2.
Molding, Dry. W. B. Wescott. 1,756,411; Apr. 29.
Molding flask. J. F. Hines. 1,752,907; Apr. 1.
Molding flask. I. R. Smith. 1,769,078; July 1.
Molding flask. J. R. Swift. 1,751,369; Mar. 18.
Molding flask, Foundry. E. Player. 1,746,128; Feb. 4.
Molding for automobile bodies and the like. L. L. Williams. 1,771,386; July 22.
Molding for closure members, Movable. C. G. Johnson. 1,783,919; Dec. 2.
Molding for metal frames. I. A. Baum. 1,781,773; Nov. 18.
Molding machine. R. Bachon. 1,759,728; May 20.
Molding machine. E. O. Beardsley and W. F. Piper. 1,759,217; May 20.
Molding machine. M. W. Farnham. 1,786,837; Dec. 30.
Molding machine. G. Furman. 1,779,230; Oct. 21.
Molding machine. L. G. Haase. 1,747,708; Feb. 18.
Molding machine. C. G. Keller. 1,768,960; July 1.
Molding machine. W. Lewis. 1,784,457; Dec. 9.
Molding machine. T. E. McFall. 1,761,736; June 3.
Molding machine. T. O. Morris and J. J. Lawlor. 1,782,762; Nov. 25.
Molding machine. T. O. Morris and J. J. Lawlor. 1,784,995; Dec. 16.
Molding machine. T. O. Morris and J. J. Lawlor. 1,786,672; Dec. 30.
Molding machine. G. E. Pickup. 1,763,862; June 17.
Molding machine. J. T. Ramsden. 1,746,224; Feb. 4.
Molding machine. J. T. Ramsden. 1,755,704; Apr. 22.
Molding machine. R. F. Ringle. 1,778,609; Oct. 14.
Molding machine. R. F. Ringle. 1,786,171; Dec. 23.
Molding machine. F. A. Scruggs. Re17,711; June 24.
Molding machine. A. W. Sizer. 1,773,552; Aug. 19.
Molding machine. A. W. Sizer. 1,782,322; Nov. 18.
Molding machine. H. Sonnenberg. 1,755,374; Apr. 22.
Molding machine. F. R. Wallace. 1,755,679; Apr. 22.
Molding machine. A. Winkler and C. Miller. 1,767,106; June 24.
Molding machine. J. R. Wood. 1,756,776; Apr. 29.
Molding machine, Automatic night-candle-. A. Sgritta. 1,786,634; Dec. 30.
Molding-machine clamping apparatus. G. C. Batten. 1,742,681; Jan. 7.
Molding machine or apparatus. A. A. Landon and S. C. Bliss. 1,743,462; Jan. 14.
Molding machine, Pneumatic jar-ramming. W. Lewis. 1,763,662; June 17.

- Molding machine, Roll-. E. T. Parsons. 1,760,280; May 27.
- Molding machines, Control means for. W. J. Fiegel. 1,775,239; Sept. 9.
- Molding machines, Roll over traversing mechanism for. W. Lewis. 1,759,825; May 20.
- Molding machines, Sand-feeding mechanism for. E. O. Beardsley and W. F. Piper. 1,752,549; Apr. 1.
- Molding material. C. C. De Witt. 1,770,688; July 15.
- Molding material and forming same, Synthetic. C. C. De Witt. 1,770,686; July 15.
- Molding material and forming same, Synthetic. C. C. De Witt. 1,770,687; July 15.
- Molding materials. L. T. Frederick. 1,760,234; May 27.
- Molding mixture. F. P. Brock. 1,747,574; Feb. 18.
- Molding operations, Tamping device for use in. F. Breeden. 1,751,465; Mar. 25.
- Molding or finish-strip assembly. O. J. Crowe. 1,757,515; May 6.
- Molding press. G. G. Heghinian. 1,757,119; May 6.
- Molding press, String. K. Handle. 1,782,301; Nov. 18.
- Molding, Process and apparatus for. S. Flam. 1,749,213; Mar. 4.
- Molding, Pull-tight. A. W. Schmid. 1,764,531; June 17.
- Molding strip. I. A. Baum. 1,754,154; Apr. 15.
- Molds, Apparatus for cooling. F. G. Carrington. 1,776,545; Sept. 23.
- Molds, Apparatus for making. O. J. Kuhlke. 1,778,500; Oct. 14.
- Molds, Apparatus for preparing castnig. B. L. van der Lande and G. Komen. 1,784,714; Dec. 9.
- Molds, Insert-holding device for casting. J. S. Thompson. 1,754,340; Apr. 15.
- Molds, Making. J. W. Hazell. 1,768,359; June 24.
- Molds, Making. W. Klepsch. 1,777,975; Oct. 7.
- Molds, Making. J. E. Tition. 1,755,038; Apr. 15.
- Molds, Making double-sided. G. Eckstein. 1,781,451; Nov. 11.
- Molds, Manufacture and repair of centrifugal. F. C. Langenberg. 1,753,747; Apr. 8.
- Molds, Mechanism for forming and handling. E. Harmes. 1,752,175; Mar. 25.
- Molds, Mechanism for making. E. F. Oyster. 1,781,126; Nov. 11.
- Molds, Mechanism for shaking out. E. S. Carman. 1,768,233; June 24.
- Molds, Method and apparatus for forming. B. Bart. 1,765,320; June 17.
- Molds with molten metal, Filling. A. Kadow. 1,758,114; May 13.
- Mole and gopher trap. W. I. Raymond. 1,764,225; June 17.
- Mole and rat trap, Combined. C. M. Beggs. 1,749,870; Mar. 11.
- Molten liquid, coats of enamel, glass, and the like by spraying upon metal, stone, or other surfaces or bodies, Apparatus for the production of. A. Pahl. 1,756,381; Apr. 29.
- Molybdenum from petroleum hydrocarbons, Recovery. A. Oberle. 1,772,960; Aug. 12.
- Money changer. A. S. Ross. 1,782,666; Nov. 25.
- Money package. D. E. de Marquez. 1,756,974; May 6.
- Monitoring system. J. B. Newsom. 1,753,348; Apr. 8.
- Mono- and di-carbalkoxy-diarylioureas as accelerators in the vulcanization of rubber, Use of the. C. J. T. Cronshaw and W. J. S. Naunton. 1,782,842; Nov. 25.
- Monoalkyl ethers of ethylene glycol, Manufacture of. W. Gibson and J. B. Payman. 1,774,089; Aug. 26.
- Monogram or the like mounting. C. C. Veneman. 1,770,186; July 8.
- Monolithic elements, Reenforcement for. J. Winston. 1,745,880; Feb. 4.
- Monoplane, Adjustable. N. P. Mandrich. 1,772,815; Aug. 12.
- Mono potassium phosphate, Purifying. R. D. Pike and R. Cummings. 1,746,905; Feb. 11.
- Monorail structure. C. M. Goodrich. 1,761,824; June 3.
- Monosaccharide material. T. B. Wagner. 1,784,402; Dec. 9.
- Monoseaplane, Tandem-motored. H. V. Sweet. 1,758,866; May 13.
- Montan wax, Improving the properties of. W. Pungs and M. Jahrstorfer. 1,777,766; Oct. 7.
- Monument. I. Groll. Des. 81,534; July 8.
- Mooring chock. L. McMillan and D. Kennedy. 1,769,958; July 8.
- Mooring device. F. Short. 1,770,675; July 15.
- Mop. J. A. Atchity. 1,765,364; June 24.
- Mop. E. W. Bloomfield. 1,748,202; Feb. 25.
- Mop. P. Brown. 1,771,768; July 29.
- Mop. T. Finstad. 1,773,578; Aug. 19.
- Mop. C. L. Floyd. 1,744,072; Jan. 21.
- Mop. J. B. Hardie. 1,753,514; Apr. 8.
- Mop. T. Hill. 1,745,486; Feb. 4.
- Mop. R. L. Horsley. 1,759,403; May 20.
- Mop. M. K. Merkle. 1,781,237; Nov. 11.
- Mop. C. O. Morgan. 1,751,349; Mar. 18.
- Mop. S. Poulos. 1,762,454; June 10.
- Mop. C. A. Purvis. 1,758,464; May 13.
- Mop and wringer, Combined. J. H. and W. R. Paul. 1,776,687; Sept. 23.
- Mop, Brush wringer. S. A. Haines. 1,754,856; Apr. 15.
- Mop cleaner. A. M. White. 1,768,277; June 24.
- Mop cleaner, Dust-. J. S. Minkove and A. Lassen. 1,742,612; Jan. 7.
- Mop, Dry. F. and T. Spaeth. 1,785,536; Dec. 16.
- Mop, Dusting. H. Hertzberg. 1,781,460; Nov. 11.
- Mop, Floor. B. Gershovitz. 1,776,853; Sept. 30.
- Mop, Floor. C. S. Nelson. 1,774,209; Aug. 26.
- Mop handle. J. W. Morris and J. L. Ruddick. 1,759,061; May 20.
- Mop handle. J. S. Roux. 1,755,363; Apr. 22.
- Mop handle, Floor-. O. J. Hoiem. 1,750,930; Mar. 18.
- Mop head. D. Kenner. 1,783,795; Dec. 2.
- Mop head. H. M. Sturgis. 1,781,481; Nov. 11.
- Mop head. H. M. Sturgis. 1,786,037; Dec. 23.
- Mop head. H. Tscherning. 1,759,768; May 20.
- Mop head and wringer. B. L. Friedman and S. Kovac. 1,752,337; Apr. 1.
- Mop head, Reversible. L. M. Thornton. 1,785,216; Dec. 16.
- Mop-making machine. G. F. Matteson. 1,763,799; June 17.
- Mop-making machines, Feeding mechanism for. G. F. Matteson. 1,763,800; June 17.
- Mopstick head. B. L. Conchar. 1,743,193; Jan. 14.
- Mop, Vacuum dry. C. J. Gleason. 1,759,691-2; May 20.
- Mop wringer. W. H. Cutler. 1,743,756; Feb. 25.
- Mop wringer. J. H. Dwork. 1,779,307; Oct. 21.
- Mop wringer. O. P. Greenstreet. 1,759,397; May 20.
- Mop, Wringer. H. Hertzberg. 1,760,695; May 27.
- Mop wringer. S. Schulman. Re17,754; July 29.
- Mortar and pestle. F. G. Jellison. 1,754,468; Apr. 15.
- Mortar-board cap. H. C. Myers. 1,745,184; Jan. 28.
- Mortar box. H. R. Lentz. 1,776,915; Sept. 30.
- Mortar joint or seam filler. O. R. Elide. 1,773,577; Aug. 19.
- Mortar shell. R. J. Anderson. 1,756,079; Apr. 29.
- Mortars and concretes, Manufacturing artificial aggregate for. J. E. Greenawalt. 1,786,173; Dec. 30.
- Mortise-cutting device. H. Almind. 1,754,925; Apr. 15.
- Mortising machine. G. W. Aldeen. 1,777,286; Oct. 7.
- Mortising machine. M. D. Baldwin, A. S. Kurkjian, and T. R. Renwick. 1,748,325; Feb. 25.
- Mortising machine. O. G. Edmond. 1,748,213; Feb. 25.
- Mortising machine. W. A. Hotchkiss. 1,772,253; Aug. 5.
- Mortising machine. A. K. MacLeod. 1,770,542; July 15.
- Mosaic designs for porcelain or other fine ceramic materials, Producing. P. Körber. 1,767,081; June 24.
- Mosaic screens for color photography, Apparatus for making. L. Dufay. 1,760,048; May 27.
- Moss feeder and cleaner. J. W. Rosson. 1,752,576; Apr. 1.
- Mote boards on air-blast cotton gins, Adjusting. J. J. Wallace. 1,777,059; Sept. 30.
- Moth catcher. W. L. Richards. 1,770,626; July 15.
- Mothproof material and making same. W. Schepss. E. Tietze, and A. Ossenbeck. 1,757,222; May 6.
- Mothproofing. M. G. Minaeff. 1,748,580; Feb. 25.
- Mothproofing material. M. G. Minaeff. 1,748,579; Feb. 25.
- Moths, Apparatus for destroying. E. J. Edwards. 1,743,660; Jan. 14.
- Motion and direction signal. J. A. Geraci, jr. 1,745,091; Jan. 28.
- Motion and sound, Method and apparatus for the simultaneous recording or reproduction of. A. Quintiliani and L. Pineschi. 1,760,718; May 27.
- Motion and vice versa, Converting rotary into reciprocating. A. F. Shepard. 1,783,589; Dec. 2.
- Motion-arresting means for motor-propelled vehicles. J. B. Kirby. 1,784,145; Dec. 9.
- Motion-control means for the spindles of textile-spinning machines. M. W. Kanter, T. L. Clark, and W. B. Wilson. 1,772,315; Aug. 5.
- Motion converter, Mechanical. L. Levy. 1,746,898; Feb. 11.
- Motion damping means. A. E. Bailey, jr. 1,743,750; Jan. 14.
- Motion damping means. H. P. Hollnagel. 1,743,776; Jan. 14.
- Motion-indicating device. R. Mayne. 1,745,500; Feb. 4.
- Motion into a reciprocating motion, Device for transforming a rotary. E. Wagner. 1,779,923; Oct. 28.
- Motion mechanism, Straight-line. W. K. Rankin. 1,754,179; Apr. 8.
- Motion-translating device. J. E. Carroll. 1,759,039; May 20.
- Motion-transmitting device, Fluid-tight. J. Lawson. 1,758,287; May 13.
- Motive system for direct-current regulators. H. Guetinger. 1,768,979; July 1.
- Motor: See—
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| Air motor. | Induction motor. |
| Air-cooled motor. | Induction timing motor. |
| Aircraft motor. | Internal-combustion motor. |
| Alternating-current motor. | Loud-speaker motor. |
| Cam motor. | Magnetic stopping motor. |
| Combustion motor. | Oil motor. |
| Commutator motor. | Oscillating motor. |
| Condenser induction motor. | Outboard motor. |
| Current motor. | Phonograph motor. |
| Distortion motor. | Pneumatic motor. |
| Electric motor. | Pressure air-cooled motor. |
| Electrical motor. | Pressure-fluid motor. |
| Electrical vibrating motor. | Pressure motor. |
| Fluid-pressure motor. | Pressure operated motor. |
| Fuel-burning motor. | Pump motor. |
| Gasoline motor. | Rotary motor. |
| Hydrocarbon motor. | Servo-motor. |

- Motor: See—
 Spring motor.
 Sun-heat motor.
 Synchronous motor.
 Tide or wave motor.
 Toy electric motor.
 Toy motor.
 Turbine motor.
 Two-cycle motor.
 Two-cycle V motor.
- Universal motor.
 Valve motor.
 Vehicle motor.
 Water motor.
 Wave and tide motor.
 Wave motor.
 Wind motor.
 Windshield-cleaner motor.
- Motor. J. W. Bishop. 1,750,920; Mar. 18.
 Motor. F. C. Holtz. 1,747,870; Feb. 18.
 Motor. H. Hueber and J. R. Oishei. 1,774,376; Aug. 26.
 Motor. J. J. Janca. 1,767,135; June 24.
 Motor. A. O. Johnson. 1,766,519; June 24.
 Motor. W. E. Simmons. 1,773,635; Aug. 19.
 Motor. C. A. Spatz. 1,744,343; Jan. 21.
 Motor and dynamo machine, Electric. C. L. Daun. 1,744,263; Jan. 21.
 Motor and propeller unit, Electric. C. R. Buchet. 1,764,388; June 17.
 Motor and pump, Combination. A. A. Canton. 1,780,338-9; Nov. 4.
 Motor and pump, Fluid. A. G. M. Michell. 1,781,068; Nov. 11.
 Motor arrangement for aircraft. C. Dornier. 1,773,615; Aug. 19.
 Motor base. R. L. Bacher. 1,756,932; May 6.
 Motor base, Adjustable. J. T. Hulsey. 1,756,515; Apr. 29.
 Motor control. J. C. Cumberland. 1,752,892; Apr. 1.
 Motor control. J. T. Janette. 1,765,489; June 24.
 Motor control, Air-driven. R. H. Ranger. 1,776,372; Sept. 23.
 Motor-control apparatus. B. E. O'Hagan. 1,781,880; Nov. 18.
 Motor-control device. A. L. Denniston. 1,773,130; Aug. 19.
 Motor control, Electric. R. Fuller. 1,745,532; Feb. 4.
 Motor control for reversing operations, Electric. C. Schiebeler. 1,755,079; Apr. 15.
 Motor control, Induction-. E. Handschin. 1,752,904; Apr. 1.
 Motor-control means. J. D. Nies. 1,786,772; Dec. 30.
 Motor-control mechanism, Starting-. W. D. Walker. 1,761,853; June 3.
 Motor control, Railway-. A. Wichert. 1,766,474; June 24.
 Motor-control switch. W. S. Edsall. 1,784,226; Dec. 9.
 Motor control, Synchronous-. F. L. Stone. 1,751,427; Mar. 18.
 Motor-control system. J. A. Hepperlen. 1,751,404; Mar. 18.
 Motor-control system. B. W. Jones. 1,773,623; Aug. 19.
 Motor-control system. M. Latour. 1,755,121; Apr. 15.
 Motor-control system. R. Mayne. 1,774,284; Aug. 26.
 Motor-control system. K. Rupprecht and R. Dietze. 1,785,597; Dec. 16.
 Motor-control system. E. W. Seeger. 1,756,572; Apr. 29.
 Motor-control system. J. Sousedik. 1,770,345; July 8.
 Motor-control system. H. L. Van Valkenburg. 1,786,554; Dec. 30.
 Motor-control system. P. Welske and K. Rupprecht. 1,785,567; Dec. 16.
 Motor-control system, Electric. H. V. James. 1,752,179; Mar. 25.
 Motor-control system, Electric. W. O. Lum. 1,787,278; Dec. 30.
 Motor-control system for elevators and the like. E. W. Seeger. 1,753,351; Apr. 8.
 Motor-control system, Induction. H. D. Else. 1,769,897; July 1.
 Motor control, System of. W. Deans and H. J. Kaufman. 1,750,161; Mar. 11.
 Motor controller. R. B. Hunter. 1,782,424; Nov. 25.
 Motor controller. E. R. Mross and E. Nielsen. 1,772,361; Aug. 5.
 Motor controller. T. H. Rodman. 1,781,792; Nov. 18.
 Motor controller. E. W. Seeger. 1,757,339; May 6.
 Motor controller, Rheostatic. G. O. Wilms. 1,777,988; Oct. 7.
 Motor-controlling device. C. J. Anderson. 1,780,612; Nov. 4.
 Motor conveyer, Outboard-. E. F. Reardon. 1,747,600; Feb. 18.
 Motor coupling, Synchronous. C. F. Jenkins. 1,756,689; Apr. 29.
 Motor cultivator attachment. H. E. Altgelt. 1,776,242; Sept. 23.
 Motorcycle, Air-propelled. R. E. Forman. 1,780,705; Nov. 4.
 Motor drive-control system, Winder-. S. A. Staeger. 1,768,939; July 1.
 Motor-driven blower. E. P. Bliss, jr. 1,752,830; Apr. 1.
 Motor-driven devices, Controller for. W. H. Costello. 1,742,434; Jan. 7.
 Motor-driven machine. W. C. Hammond and H. J. Kingsbury. 1,743,134; Jan. 14.
 Motor-driven shears. C. Dubois. 1,780,817; Nov. 4.
 Motor driving, Device for the guidance of persons being taught. J. S. Conroy. 1,747,105; Feb. 11.
 Motor driving mechanism, Wave. C. E. Garwood. 1,784,424; Dec. 9.
 Motor-efficiency indicator. H. Taylor. 1,746,133; Feb. 4.
 Motor especially for driving clocks, Synchronous. R. Michl. Re17,779; Aug. 26.
- Motor for fuel pumps, Solenoid. W. C. Carter. 1,782,407; Nov. 25.
 Motor for loud-speakers. C. L. Farrand. 1,784,517; Dec. 9.
 Motor for operating windshield cleaners. J. L. Nilson and J. F. Prince.
 Motor fuels, Preparing. F. A. Howard. 1,758,898; May 13.
 Motor generator. G. D. Major. 1,785,965; Dec. 23.
 Motor grader with leaning front wheels, Self-propelled. W. T. Beatty. 1,776,409; Sept. 23.
 Motor heater. G. W. Hopkins. 1,783,289; Dec. 2.
 Motor-indicating system. E. A. Rockwell. Re17,616; Mar. 4.
 Motor knock detector, Aural. J. C. Seber. 1,774,294; Aug. 26.
 Motor mechanism, Electric-. J. M. Lea. 1,757,840; May 6.
 Motor-moistening device. W. E. De Weese. 1,755,056; Apr. 15.
 Motor mounting. E. Q. Bangs and W. Ernst. 1,772,334; Aug. 5.
 Motor mounting. H. F. Bardwell. 1,773,420; Aug. 19.
 Motor mounting. R. K. Lee. 1,743,612; Jan. 14.
 Motor mounting. O. Wulfert. 1,778,992; Oct. 21.
 Motor-operated brake. G. W. Lautrup. 1,787,044; Dec. 30.
 Motor-operated jack. F. H. Schwerin. 1,764,988; June 17.
 Motor preheater and cooler. A. Mueller. 1,766,928; June 24.
 Motor propelling mechanism for boats. G. Griffith. 1,780,075; Oct. 28.
 Motor-protective device. W. J. Brennen. 1,782,458; Nov. 25.
 Motor protector. A. Arutunoff. 1,778,787; Oct. 21.
 Motor rotor. H. E. Warren. 1,768,386; June 24.
 Motor spreader. R. T. Ainslie. 1,780,902; Nov. 11.
 Motor stand. H. C. Spahn. 1,750,199; Mar. 11.
 Motor-starting means. R. Ehrenfeld. 1,768,896; July 1.
 Motor-starting switch. C. F. Carpenter. 1,761,773; June 3.
 Motor-starting switch. M. C. Terry. 1,750,336; Mar. 11.
 Motor-starting system. M. E. Reagan. 1,768,788; July 1.
 Motor-starting system. M. E. Reagan. 1,775,474; Sept. 9.
 Motor-starting system. C. P. West. 1,757,606; May 6.
 Motor-starting system. C. P. West. 1,768,811; July 1.
 Motor-supporting stand. H. C. Spahn. 1,750,200; Mar. 11.
 Motor suspension. T. W. Price. 1,780,719; Nov. 4.
 Motor switch, Variable-speed electric-. R. Lee. 1,767,146; June 24.
 Motor system, Induction synchronous. F. Jeffrey. 1,784,235; Dec. 9.
 Motor transmission, Three-speed constant-mesh-gear electric. A. Wasbauer. 1,773,699; Aug. 19.
 Motor-vehicle body. C. T. Weymann. 1,744,849; Jan. 28.
 Motor-vehicle units, Double three-point suspension for. M. C. Horine. 1,778,028; Oct. 14.
 Motor vehicles, Antiskid device for. J. J. Finnegan. 1,757,362; May 6.
 Motor with variable reactance, Induction. T. G. Myers. 1,752,104; Mar. 25.
 Motor wrench. C. W. Galloway. 1,744,540; Jan. 21.
 Motors, Antilexplosive means with great turbulence for explosion. A. A. A. Darche. 1,783,603; Dec. 2.
 Motors, Feeding device for percussive. W. A. Smith, sr. 1,786,135; Dec. 23.
 Motors, Feeding device for percussive. W. A. Smith, sr., and J. I. Hulshizer. 1,786,175; Dec. 23.
 Motors, Air-conditioning device for internal-combustion. D. Head. 1,742,471; Jan. 7.
 Motors and the like, Control for outboard. F. L. Hammer. 1,767,584; June 24.
 Motors, Automatic control system for electric. A. C. Durdin, jr. 1,780,380; Nov. 4.
 Motors, Control of single-phase. F. Prantl. 1,763,537; June 10.
 Motors, Controller for electric. W. C. Kennedy. 1,750,892; Mar. 18.
 Motors, Controller for electric. W. R. Milburn. 1,749,389; Mar. 4.
 Motors, Controlling apparatus for electric. T. F. Burke. 1,743,523; Jan. 14.
 Motors, Controlling reciprocating electric. S. Katz. 1,774,751; Sept. 2.
 Motors, Cranking apparatus for internal-combustion. S. H. Grosser. 1,746,468; Feb. 11.
 Motors for starting, Method and apparatus for relieving compression in outboard. H. L. Johnson. 1,746,533; Feb. 11.
 Motors, Method of and apparatus for controlling electric. R. B. Hunter. 1,778,976; Oct. 21.
 Motors on the wings of aircraft, Arrangement of. H. Focke. 1,764,554; June 17.
 Motors, Regulating device for multicylinder explosion. K. Schmidt. 1,774,729; Sept. 2.
 Motors, Regulating the speed of induction. J. Wilson. 1,787,133; Dec. 30.
 Motors, System of speed control for induction. E. Relmann. 1,756,925; Apr. 29.
 Motors, System for controlling reciprocating. C. S. Weyandt. 1,772,650; Aug. 12.
 Motors, Variable-speed control for electric. E. J. Murphy. 1,781,762; Nov. 18.
 Mount and making same, Corner. L. S. Riley. 1,742,615; Jan. 7.

- Mount for centrifugal machines. E. Roberts. 1,768,492; June 24.
- Mount for guns. T. A. Conlon. 1,779,531; Oct. 28.
- Mount for headlights, Bulb. A. Miller and W. M. Akers. 1,758,166; May 13.
- Mount for machine guns. W. R. Bluehdorn. 1,773,090; Aug. 19.
- Mount for machine guns, Combination. F. K. Howard. 1,786,615; Dec. 30.
- Mount for metal poles. R. G. Williams. 1,761,508; June 3.
- Mount for moving-picture cameras. J. F. Howell. 1,764,407; June 17.
- Mount for sound apparatus. H. B. Ely. 1,774,826; Sept. 2.
- Mount for steel poles. R. G. Williams. 1,761,507; June 3.
- Mounted chair, Adjustable spring-. A. C. Korsten and M. de Visser. 1,777,204; Sept. 30.
- Mounting, Accessory. W. G. Dunn. 1,760,349; May 27.
- Mounting, Adjustable. J. O. Carrey. 1,781,161; Nov. 11.
- Mounting and supporting means for time indicators. B. F. Hutches, jr. 1,767,671; June 24.
- Mounting arrangement. F. Kessler, C. R. Woodland, and J. C. McCrindle. 1,771,088; July 22.
- Mounting, Bed. R. J. Ellsworth. 1,746,583; Feb. 11.
- Mounting clamp, Instrument-. E. N. Jacobi. 1,742,253; Jan. 7.
- Mounting, Clutch-control. R. W. Janda. 1,745,490; Feb. 4.
- Mounting, Creeping traction. W. M. Bager and W. Lehman. 1,773,253; Aug. 19.
- Mounting, Dental. R. W. Greenberg. 1,746,347; Feb. 11.
- Mounting, Disk-wheel. J. H. Hunt. 1,787,074; Dec. 30.
- Mounting, Dual wheel. E. K. Baker. 1,769,903; July 1.
- Mounting elements with plaster ears, Making. B. C. Webster. 1,782,329; Nov. 18.
- Mounting, Engine. C. R. Short. 1,761,938; June 3.
- Mounting for abrasive wheels or the like. G. W. Perks. 1,756,259; Apr. 29.
- Mounting for a driving and a driven device. H. Wallace and F. E. Stevenson. 1,768,646; July 1.
- Mounting for advertising plaques. H. B. Minnick. 1,755,222; Apr. 22.
- Mounting for antiglare shields. W. C. Heindl. 1,742,537; Jan. 7.
- Mounting for automatic guns. C. A. Larsson. 1,784,016; Dec. 9.
- Mounting for cigar lighters. J. Sinko. 1,764,899; June 17.
- Mounting for connecting devices. W. A. Bocklus and H. B. Jones. 1,769,615; July 1.
- Mounting for diaphragms of sound boxes. T. A. Edison. 1,744,533; Jan. 21.
- Mounting for doll eye sets. S. Marcus. 1,752,274; Mar. 25.
- Mounting for electric bulbs, Adjustable. W. B. Young. 1,763,495; June 10.
- Mounting for electric conductors. W. R. Edson. 1,786,937; Dec. 30.
- Mounting for electrical switches. L. A. M. Phelan. 1,780,312; Nov. 4.
- Mounting for gas-detecting apparatus, Filament. W. F. Hunt. 1,756,749; Apr. 29.
- Mounting for glass windows or the like. A. H. Marty. 1,787,386; Dec. 30.
- Mounting for jewels. G. Rauf. Des. 81,887; Aug. 26.
- Mounting for latch handles and the like. L. Ottinger. 1,745,951; Feb. 4.
- Mounting for loom-picking spindles. C. P. Bergstrom and C. J. Lindegren. 1,766,739; June 24.
- Mounting for mercury switches. E. W. Menke. 1,772,574; Aug. 12.
- Mounting for phonic diaphragms. C. R. Moore. 1,745,686; Feb. 4.
- Mounting for phonographic pick-up devices. R. J. Marshall. 1,746,004; Feb. 4.
- Mounting for piezo-electric devices. R. S. Ohl. 1,783,131-2; Nov. 25.
- Mouthpiece for pipes and cigar holders. E. Paredes. 1,785,595; Dec. 16.
- Mounting for plate mirrors. W. La Hodny. 1,773,736; Aug. 26.
- Mounting for radiators. H. M. Yeager. 1,775,112; Sept. 9.
- Mounting for rock drills. C. C. Hansen. 1,747,869; Feb. 18.
- Mounting for slidable doors, Door. C. V. Mayer. 1,776,163; Sept. 16.
- Mounting for spectacles and eye-glasses, Nose-guard. L. C. Martin. 1,785,038; Dec. 16.
- Mounting for temperature-responsive elements. H. Schlaich. 1,784,756; Dec. 9.
- Mounting for vehicle tanks. F. G. Thwaites. 1,773,327; Aug. 19.
- Mounting for weft detectors. C. P. Bergstrom. 1,756,581; Apr. 29.
- Mounting forms, Producing rotogravure. E. Loening. 1,742,658; Jan. 7.
- Mounting, Head-lamp. H. Schwarze. 1,761,937; June 3.
- Mounting, Instrument-board. H. H. Boyce. 1,782,405; Nov. 25.
- Mounting, Instrument-panel. C. W. McKinley. 1,743,008; Jan. 14.
- Mounting means for snap fasteners. M. V. Clark and C. F. Clark. 1,750,992; Mar. 18.
- Mounting, Motor. C. E. Scott. 1,761,752; June 3.
- Mounting, Motor. W. W. Turske. 1,748,372; Feb. 25.
- Mounting of vehicle bodies. P. S. Shield. 1,773,692; Aug. 19.
- Mounting, Ophthalmic. J. C. Wells. 1,743,742; Jan. 14.
- Mounting, Outlet-box. C. A. Johnson. 1,756,361; Apr. 29.
- Mounting, Post. A. L. Nylund and H. A. Bode. 1,746,672; Feb. 11.
- Mounting, Propeller. R. T. Svendsen and D. G. Chandler. 1,745,235; Jan. 28.
- Mounting, Removable-cover-plate. E. Nielsen. 1,759,242; May 20.
- Mounting, Rolling-door-curtain. H. A. Johnson. 1,776,119; Sept. 16.
- Mounting, Seat. H. C. Seeley. 1,773,875; Aug. 26.
- Mounting, Seat-back. J. T. Atwood. 1,765,394; June 24.
- Mounting, Shaft. H. Walker. 1,748,156; Feb. 25.
- Mounting, Sheave. W. M. Venable. 1,747,744; Feb. 18.
- Mounting, Spark-plug. O. Bitchman. 1,766,740; June 24.
- Mounting, Switch-box. C. A. Johnson. 1,747,673; Feb. 18.
- Mounting, Traversing-roll. J. W. Smith. 1,751,108; Mar. 18.
- Mounting, Truck-chassis-dump-body. H. F. Farrell. 1,777,079; Sept. 30.
- Mounting, Universal. R. C. Willis. 1,770,721; July 15.
- Mounting, Vacuum-cleaner-handle. E. Moss. 1,785,043; Dec. 16.
- Mounting, Vibration-dampening. H. C. Lord. 1,778,503; Oct. 14.
- Mounting, Wheel. F. R. Klaus. 1,754,631; Apr. 15.
- Mousetrap. J. W. Morrison. 1,743,614; Jan. 14.
- Mousetrap. H. W. Norman. 1,767,306; June 24.
- Mouth-closing device. R. Garvey. 1,775,718; Sept. 16.
- Mouth-organ stand. J. Spalleno. 1,762,645; June 10.
- Mouthpiece. J. P. Woodside. 1,782,559; Nov. 25.
- Mouthpiece and making the same for wind instruments. W. H. Grant. 1,771,217; July 22.
- Mouthpiece for wind instruments. F. S. Pabich. 1,747,732; Feb. 18.
- Mouth reed for musical instruments. H. B. Newton and C. P. Hicks. 1,776,566; Sept. 23.
- Movement, Mechanical. M. B. A. Doring. 1,777,748; Oct. 7.
- Movement, Mechanical. R. H. Lawson. 1,778,901; Oct. 21.
- Moving objects, Determining movement and position of. E. I. Green. 1,750,668; Mar. 18.
- Mower. M. F. Emerson. 1,760,939; June 3.
- Mower. C. Pearson. 1,750,049; Mar. 11.
- Mower. C. Pearson. 1,772,264; Aug. 5.
- Mower and accessory therefor, Lawn. J. B. Pol. 1,757,844; May 6.
- Mower and windrower, Combined. C. E. White. 1,750,033; Mar. 11.
- Mower attachment. R. W. George. 1,786,487; Dec. 30.
- Mower-cutter bars, Hand adjustment for lawn-. E. A. Eustice. 1,742,903; Jan. 7.
- Mower drive, Lawn-. J. C. Slonneger. 1,755,844; Apr. 22.
- Mower, Electrically-operated lawn. C. J. Ashby. 1,779,723; Oct. 28.
- Mower, Electrically-operated lawn. D. H. Stokes. 1,782,636; Nov. 25.
- Mower guard. L. J. Borkhuis, jr. 1,755,534; Apr. 22.
- Mower, Hay. C. Hoth. 1,760,698; May 27.
- Mower, Lawn. C. A. Blackburn. 1,754,076; Apr. 8.
- Mower, Lawn. J. H. Blair. 1,762,287; June 10.
- Mower, Lawn. W. F. H. Braun. 1,758,497; May 13.
- Mower, Lawn. W. F. M. Braun. 1,763,215; June 10.
- Mower, Lawn. R. O. Clark. 1,775,421; Sept. 9.
- Mower, Lawn. H. T. Coldwell. 1,754,188; Apr. 8.
- Mower, Lawn. K. Dombeck. 1,774,594; Sept. 2.
- Mower, Lawn. F. T. Farmer. 1,784,342; Dec. 9.
- Mower, Lawn. S. S. Goldsmith. 1,747,542; Feb. 18.
- Mower, Lawn. C. A. Gratiot. 1,779,699; Oct. 28.
- Mower, Lawn. D. T. Hurst. 1,742,813; Jan. 7.
- Mower, Lawn. H. J. Kuhlman. 1,778,219; Oct. 14.
- Mower, Lawn. C. A. Olson. 1,759,414; May 20.
- Mower, Lawn. C. H. Peel. 1,751,054; Mar. 18.
- Mower, Lawn. A. V. Rowe. 1,775,500; Sept. 9.
- Mower, Lawn. M. Soss. 1,770,091; July 8.
- Mower, Lawn. J. M. Tauber. 1,763,831; June 17.
- Mower, Motor-driven lawn. P. E. Mack. 1,749,189; Mar. 4.
- Mower, Power-driven. P. A. Campbell. 1,769,254; July 1.
- Mower, Power-driven lawn. J. A. E. Carlson. 1,767,510; June 24.
- Mower, Power-driven lawn. A. E. Jerram. 1,755,958; Apr. 22.
- Mower, Railway. E. Sack. 1,754,336; Apr. 15.
- Mower rollers, Pressure-exerting attachment for lawn. P. Cobb and A. S. Rose. 1,754,741; Apr. 15.
- Mowers, Attachment for lawn. W. Edwards. 1,753,558; Apr. 8.
- Mowers, Edge-trimming attachment for lawn. A. E. Beck. 1,763,339; June 10.
- Mowers, Resiliently-mounted ledger blade for lawn. C. A. Gratiot. 1,757,186; May 6.
- Mowers, Tongue support for. L. A. Paradise and W. J. Coultas. 1,762,584; June 10.
- Mowers, Weed-topping attachment for lawn. F. C. J. Dursch. 1,756,346; Apr. 29.
- Mowing attachment. W. L. Champlon. 1,761,904; June 3.

- Mowing machine. A. L. Allen. 1,784,327; Dec. 9.
Mowing machine. E. S. Maine. 1,778,862; Oct. 21.
Mowing machine. S. E. Rawls. 1,783,672; Dec. 2.
Mowing machine. W. Tychie. 1,763,022; June 10.
Mowing machine, Railroad. C. Morris and W. H. Buck. 1,783,517; Dec. 2.
Mowing machines, Divider for. W. C. Jackson. 1,755,506; Apr. 22.
Mowing machines, Shocker attachment for. H. B. Hale. 1,748,020; Feb. 18.
Mowing machines, Stalk divider for. H. Harms. 1,779,233; Oct. 21.
Mowing machines, Windrower for. A. Wettenkamp. 1,748,592; Feb. 25.
Mucilage dispenser for bottle tops. M. Alland. 1,756,935; May 6.
Mud-guard attachment. W. A. Cookson. 1,754,147; Apr. 8.
Mud-guard system for motor cars and the like. A. Gauchot. 1,768,445; June 24.
Mud gun. J. S. Fraser. 1,767,660-1; June 24.
Mud gun. J. C. Hopkins and A. Osolin. 1,774,373; Aug. 26.
Mud hook, Traction-increasing. A. L. Price. 1,769,307; July 1.
Muff and school bag, Waterproof. M. Stanger. 1,745,590; Feb. 4.
Muff. Foot. J. M. Brady. 1,746,459; Feb. 11.
Muffler. A. H. Aaron. 1,782,396; Nov. 25.
Muffler. J. W. Beamer. 1,772,589; Aug. 12.
Muffler. C. W. Beck. 1,766,973; June 24.
Muffler. A. F. Dormeyer. 1,758,654; May 13.
Muffler. C. W. Eisele. 1,781,001; Nov. 11.
Muffler. L. V. Gram. 1,761,971; June 3.
Muffler. C. O. Guernsey. 1,750,590; Mar. 11.
Muffler. F. E. Kersey. 1,747,014; Feb. 11.
Muffler. W. Kreihsheimer. Des. 80,275; Jan. 7.
Muffler. C. W. Metzgar. 1,747,876; Feb. 18.
Muffler. R. A. Moore. 1,745,632; Feb. 4.
Muffler. S. A. Stranahan. 1,756,916; Apr. 29.
Muffler and air heater, Combined. R. H. and S. E. Keagle. 1,755,924; Apr. 22.
Muffler and heater for vehicles, Combined. S. J. V. Bovey. 1,762,465; June 10.
Muffler bar for belt clamps, Self-locking. L. J. Mildren. 1,774,807; Sept. 2.
Muffler construction. R. S. Blair. 1,778,016; Oct. 14.
Muffler-cup-assembling machine. H. S. Powell. 1,774,761; Sept. 2.
Muffler, Exhaust. A. Backman. 1,759,679; May 20.
Muffler, Exhaust. F. F. Hamilton and H. E. Van Voorhees. 1,777,522; Oct. 7.
Muffler for burner. E. E. Wayless. 1,783,685; Dec. 2.
Muffler for internal-combustion engines. H. E. Van Voorhees. 1,756,711; Apr. 29.
Muffler for internal-combustion engines. A. P. J. Voigt. 1,777,510; Oct. 7.
Muffler for internal-combustion engines. C. S. Watkins. 1,760,924; June 3.
Muffler, Gas-engine. F. F. Hamilton. 1,777,489; Oct. 7.
Muffler, Vocalizing. S. G. Gerlach, jr. 1,776,584; Sept. 23.
Mulch-paper-laying machine. C. Judy. 1,763,789; June 17.
Mulcher. H. W. Burkhart. 1,747,753; Feb. 18.
Mulcher. A. J. Davis. 1,757,418; May 6.
Muller pan. R. H. McElroy and P. A. Meehan. Des. 82,513; Nov. 11.
Mullion center. O. Schield. 1,770,809; July 15.
Multicolor cinematographic and other film and making same. J. E. Thornton. 1,761,897; June 3.
Multiple-break switch. H. J. Hammerly. 1,785,194; Dec. 16.
Multiple drill. A. Trosch. 1,775,005; Sept. 2.
Multiple gauge. W. O. Vivarttas. 1,763,333; June 10.
Multiple-leaf spring. J. W. Watson. 1,759,722; May 20.
Multiple machine. D. W. MacMillan. 1,775,401; Sept. 9.
Multiple-unit boiler. W. R. Wood. 1,775,336; Sept. 9.
Multiple-walled bag. J. E. Cornell. 1,752,370; Apr. 1.
Multiple wrench. A. A. Kalo. 1,785,125; Dec. 16.
Multiplex bag. W. L. Taylor. 1,744,285; Jan. 21.
Multiplex bag. W. L. Taylor. 1,749,005; Mar. 4.
Multiplier, Frequency. G. Von Arco. 1,745,389; Feb. 4.
Multirecord controller. C. H. Green. 1,752,171; Mar. 25.
Multistage converter. H. O. C. Isenberg. 1,747,634; Feb. 18.
Multivibrator. B. van der Pol. 1,744,935; Jan. 28.
Mushroom culture. V. Steves. 1,773,648; Aug. 19.
Music and other correlated sounds, Apparatus for the propagation of. A. H. Marks. 1,762,449; June 10.
Music. Device to be used in teaching. G. M. Ekstedt. 1,785,440; Dec. 16.
Music-instruction device. G. H. D. Gibson. 1,783,361; Dec. 2.
Music instrument, Electric. E. Spielmann. 1,778,374; Oct. 14.
Music-leaf turner. N. O. Bozelle. 1,749,273; Mar. 4.
Music rack and cane, Combined. J. Latourelle and F. Stevermer. 1,786,308; Dec. 23.
Music rack, Band-player's. S. B. Carne. 1,772,478; Aug. 12.
Music roll. H. P. Ball. 1,761,862; June 3.
Music-roll-correcting machine. B. E. Mills. 1,772,632; Aug. 12.
Music stand. A. Ebbecke. 1,745,845; Feb. 4.
Music stand. M. W. Krauth. 1,750,273; Mar. 11.
Music-teaching device. M. B. Rock. 1,763,444; June 10.
Music time indicator. M. J. Goudsmit. 1,783,537; Dec. 2.
Musical alarm. H. Fahrenholtz. 1,784,049; Dec. 9.
Musical apparatus. J. C. Bostelmann, jr. 1,750,988; Mar. 18.
Musical-instruction device. H. Holzman. 1,780,918; Nov. 11.
Musical instrument. H. G. Beyer. 1,750,791-2; Mar. 18.
Musical instrument. G. Cloetens. 1,750,572; Mar. 11.
Musical instrument. S. Hawels. 1,763,518; June 10.
Musical instrument. M. L. Jones. 1,760,141; May 27.
Musical instrument. M. L. Jones. 1,763,526; June 10.
Musical instrument. H. C. Marx. 1,748,025; Feb. 18.
Musical instrument. A. E. Overton. 1,785,206; Dec. 16.
Musical instrument. F. C. Parker, jr. 1,755,019; Apr. 15.
Musical instrument. W. B. Parkinson. 1,767,998; June 24.
Musical instrument. F. P. Patterson. 1,747,733; Feb. 18.
Musical instrument. V. S. Truett and H. H. George. 1,750,069; Mar. 11.
Musical instrument. J. N. Vasey. 1,754,290; Apr. 15.
Musical instrument. J. N. Vasey. 1,783,638; Dec. 2.
Musical instrument and playing means therefor. C. B. Gardner, jr. 1,777,721; Oct. 7.
Musical instrument, Automatic. S. L. Fisher. 1,770,394; July 15.
Musical instrument, Automatic. L. S. Lockwood. 1,769,184; July 1.
Musical instrument, Automatic. E. Verlinden. 1,775,261; Sept. 9.
Musical instrument body and making same. E. C. Bremerman. 1,769,106; July 1.
Musical-instrument mute, Stringed-. I. Lewis. 1,772,725; Aug. 12.
Musical instrument or similar article. M. D. Zimmerman. Des. 82,123; Sept. 23.
Musical instrument, Reproducing. H. P. Ball. 1,776,774; Sept. 30.
Musical instrument, String. L. and J. Dodson. 1,759,736; May 20.
Musical instrument, Stringed. R. W. Claiborne. 1,754,263; Apr. 15.
Musical instrument, Stringed. L. and J. Dodson. 1,759,779; May 20.
Musical instrument, Stringed. J. Dopyera. 1,750,881; Mar. 18.
Musical instrument, Stringed. J. Dopyera. 1,762,617; June 10.
Musical instrument, Stringed. J. Faccaro. 1,773,133; Aug. 19.
Musical instrument, Stringed. G. D. Hambrecht. 1,773,674; Aug. 19.
Musical instrument, Stringed. L. C. Johnson. 1,752,180; Mar. 25.
Musical instrument, Stringed. W. I. Kirk. 1,750,843; Mar. 18.
Musical instrument, Stringed. W. I. Kirk. 1,757,577; May 6.
Musical instrument, Stringed. E. J. Long. Des. 81,591; July 15.
Musical instrument, Stringed. R. T. Sawyer. 1,747,650; Feb. 18.
Musical instrument, Stringed. W. O. Schmidt and C. Haberman. 1,758,626; May 13.
Musical instrument, Stringed. J. Sperduti. 1,760,789; May 27.
Musical instrument, Wind. H. J. Charlton. 1,761,329; June 3.
Musical instrument, Wind. E. J. Gulick. 1,764,562; June 17.
Musical instruments and the like, Key mechanism for keyed. G. E. La Marche. 1,773,230; Aug. 19.
Musical instruments, Attachment for. H. H. Moreton. 1,770,004; July 8.
Musical instruments, Attachment for fretted. S. W. Johnson. 1,785,311; Dec. 16.
Musical instruments, Attachment for stringed. H. Ostrovsky. 1,775,472; Sept. 9.
Musical instruments being played with pianolas simultaneously, Adaptation of different. L. Lopez-Mantaras. 1,742,551; Jan. 7.
Musical instruments, Eliminate noise in parts of record controlled. T. F. Check. 1,750,037; Mar. 11.
Musical instruments, Expression device for automatic. T. F. Check. 1,749,413; Mar. 4.
Musical instruments, Key-operated playing device for stringed. J. Mecera. 1,745,265; Jan. 28.
Musical instruments, Pitch indicator for. T. N. Mirfield. 1,742,069; Jan. 7.
Musical instruments, Playing. S. Kucharski. 1,768,079; June 24.
Musical instruments, Pneumatic action for. A. L. Wefel. 1,746,295; Feb. 11.
Musical instruments, Pneumatic coupler for. L. T. Barkstrom. 1,747,414; Feb. 18.
Musical instruments, Polyphase hammers for. R. M. Hill. 1,769,952; July 8.
Musical instruments, Process and apparatus for regulation of tone-producing quality of hammers in stringed. C. C. Woods. 1,785,165; Dec. 16.
Musical instruments, Starting and selecting mechanism for automatic. C. H. Green. 1,752,170; Mar. 25.
Musical instruments, String-fastening device for. F. J. Callier. 1,764,548; June 17.

- Musical instruments, Tailpiece for stringed. F. J. Callier. 1,757,170; May 6.
- Musical instruments, Tailpiece for stringed. F. J. Callier. 1,760,343; May 27.
- Musical instruments, Tracker and cleaning device for music sheets for automatic. L. T. Barkstrom. 1,773,162; Aug. 19.
- Musical mutes, Operating. H. Bernard. 1,777,823; Oct. 7.
- Musical stringed instrument. R. B. Ferguson. 1,768,471; June 24.
- Musical wagon. E. Prunetti. 1,746,278; Feb. 11.
- Musical wind instrument. H. Dyth. 1,786,833; Dec. 30.
- Muskrat hook. D. A. Hathorn. 1,772,512; Aug. 12.
- Musk rats, System of farming and trapping. E. E. Elam. 1,778,629; Oct. 14.
- Mute. A. De Costa. 1,775,089; Sept. 9.
- Mute. J. V. Godbery. 1,767,974; June 24.
- Mute, Banjo. C. L. Forsythe. 1,761,294; June 3.
- Mute, Banjo. C. W. Pierson, C. Y. Fitzgerald, and G. E. Thoma. 1,780,361; Nov. 4.
- Mute for brass wind and like musical instruments. L. Davis. 1,776,216; Sept. 16.
- Muzzle attachment for guns. J. L. Hatcher. 1,770,471; July 15.
- Muzzle for horses. W. Carr. 1,773,774; Aug. 26.
- Muzzle, Stock. C. M. Rasmussen. 1,748,027; Feb. 18.
- N-monoalkyl derivatives of the aminophenols, Producing. W. Traube and E. Hellriegel. 1,746,064; Feb. 4.
- Nail. J. Gouldbourn. 1,761,119; June 3.
- Nail and staple puller. R. Colerick. 1,747,053; Feb. 11.
- Nail-bedding machine for clog making. G. Chiasson. 1,750,705; Mar. 18.
- Nailbrush. F. Tourtois. Des. 82,193; Sept. 30.
- Nail distributor. O. L. Smith. 1,747,140; Feb. 11.
- Nail driver and set. E. M. Joy. 1,772,950; Aug. 12.
- Nail driver and set. E. C. Wilson. 1,776,646; Sept. 23.
- Nail-driving mechanism, Compensating device for. H. Paxton. 1,755,225; Apr. 22.
- Nail expansion. H. W. Pleister and J. Karitzky. 1,746,963; Feb. 11.
- Nail expansion. H. W. Pleister and J. Karitzky. 1,771,223; July 22.
- Nail file or similar instrument and carrier therefor. C. A. Teal, Jr. 1,763,274; June 10.
- Nail, Nonsplitting. H. S. Stronach. 1,771,867; July 29.
- Nail-polish-container set. W. H. Gesell. Des. 82,218; Oct. 7.
- Nailing machine. J. M. Benjamin. 1,785,928; Dec. 23.
- Nailing machine, Hardwood-floor. W. W. Vilneau and E. Chittenden. Re17 651; Apr. 22.
- Nailing machines, Clincher plate for. E. Alibert. 1,743,513; Jan. 14.
- Nailing machines, Nail-picking device for. H. Paxton. 1,766,144; June 24.
- Nail puller. G. Little. 1,761,575; June 3.
- Nail-transferring mechanism. J. F. Standish. 1,759,174; May 20.
- Nail, Weatherproof. G. E. Dickson. 1,751,799-800; Mar. 25.
- Name and number plate, Illuminated. E. A. and F. A. Thomas. 1,754,067; Apr. 8.
- Name plate. F. H. Baldof. 1,779,796; Oct. 28.
- Name plate. G. J. Harris. Des. 82,085; Sept. 23.
- Name plate, Interchangeable. O. Hansen. 1,756,547; Apr. 29.
- Name plates, Securing. D. N. Ross. 1,763,674; June 17.
- Nap-raising machine. A. O. Schramm and J. H. Schreiber. 1,763,675; June 17.
- Napkin fixture. W. P. McCorkindale. 1,785,039; Dec. 16.
- Napkin ring. G. W. Hoover. Des. 81,793; Aug. 12.
- Naphthalene and carbon bisulphide from gases, Removal of. G. E. Seil. 1,785,365; Dec. 16.
- Naphthalene derivatives and their application in dye preparations. New. W. Gibson, A. J. Hailwood, J. B. Payman, and A. Shepherdson. 1,776,970; Sept. 30.
- Naphthalene derivatives to dye preparations, Application of new. W. Gibson, A. J. Hailwood, J. B. Payman, and A. Shepherdson. 1,777,038; Sept. 30.
- Naphthalene, Purification of. G. Schroeter. 1,763,410; June 10.
- Naphthisatin compounds, Making. J. Haller. 1,754,098; Apr. 8.
- Nasal applicator. F. W. Schoonmaker, jr. 1,778,090; Oct. 14.
- Nasal distender. L. D. Washington. 1,743,993; Jan. 14.
- Natural objects, Reproducing surface appearance of. L. V. Casto. 1,762,711; June 10.
- Neck adjuster for banjo. W. L. Lange. 1,785,266; Dec. 16.
- Neck and closure structure. J. S. Reid. 1,786,722; Dec. 30.
- Neckband. T. E. Staples. 1,758,766; May 13.
- Neckband clamp. C. E. Waream. 1,743,256; Jan. 14.
- Neckband construction. A. A. Brownstein. 1,754,499; Apr. 15.
- Neckband for sweaters and the like, Corded-edge knit. C. Seidman. 1,784,548; Dec. 9.
- Neckband, Self-adjusting. F. Levy. 1,776,975; Sept. 30.
- Necklace and brooch, Combined. W. Lampl. 1,771,129; July 22.
- Necklaces, Holding device for. A. B. Ridabock. 1,746,054; Feb. 4.
- Neckpiece, Lady's. F. C. Merrilles. Des. 82,845; Dec. 16.
- Necktie. G. Ajdukovich. 1,778,880; Oct. 21.
- Necktie. J. A. Coffman. Des. 81,322; June 10.
- Necktie. L. Costanzo. 1,772,575; Aug. 12.
- Necktie. W. Eyernschmalz. 1,781,377; Nov. 11.
- Necktie. M. Halpern and W. Mayer. 1,784,351; Dec. 9.
- Necktie. W. A. Keys. 1,746,837; Feb. 11.
- Necktie. M. Robbins. 1,769,547; July 1.
- Necktie. H. Wolf. 1,787,226; Dec. 30.
- Necktie and tying same. W. J. Bruehl. 1,760,473; May 27.
- Necktie appliance. F. S. Fithian. 1,766,290; June 24.
- Necktie, Bow. O. Weinstein. 1,762,647; June 10.
- Necktie clip. E. D. Milks. 1,783,049; Nov. 25.
- Necktie, Four-in-hand. W. Robinson. 1,769,755; July 1.
- Necktie stretcher. C. T. Shoop. 1,770,145; July 8.
- Necktie hanger. J. C. Salzman. Des. 81,025; Apr. 22.
- Necktie-lining fabric. E. K. Frank. 1,749,634; Mar. 4.
- Necktie rack. O. H. Desmarais. 1,748,469; Feb. 25.
- Necktie rack. S. Mossbacher. 1,767,545; June 24.
- Necktie structure. M. Halpern and W. Mayer. 1,759,007; May 20.
- Necktie structure. M. Halpern and W. Mayer. 1,784,352; Dec. 9.
- Neckties, Device for use in reshaping. H. Z. White. 1,744,819; Jan. 28.
- Neckwear try form. H. E. and T. H. Webb. 1,742,675; Jan. 7.
- Needle. W. Stricker. 1,769,319; July 1.
- Needle, Adapter. H. K. Mulford. 1,746,009; Feb. 4.
- Needle, Atraumatic rethreadable surgical. W. L. McClure. 1,757,129; May 6.
- Needle board. J. C. Costner. 1,745,294; Jan. 28.
- Needle, Carpet. E. J. Seeber. 1,748,850; Feb. 25.
- Needle, Carpet. E. J. Seeber. 1,774,405; Aug. 26.
- Needle, Crochet. C. I. Denner. 1,751,796; Mar. 25.
- Needle drier. P. W. Flagg. 1,752,903; Apr. 1.
- Needle, Embroidery. P. S. Kirby. 1,750,226; Mar. 11.
- Needle for knitting machines, Welt. F. Sutcliffe, jr. 1,780,689; Nov. 4.
- Needle guard, Hypodermic. H. F. Gau. 1,774,707; Sept. 2.
- Needle, Hay. E. J. Anderson. 1,774,691; Sept. 2.
- Needle, Knitting. G. C. Egly. 1,752,155; Mar. 25.
- Needle, Knitting. W. H. and S. B. Leavin. 1,780,790; Nov. 4.
- Needle, Knitting. A. C. Parlini. 1,759,363; May 20.
- Needle, Knitting. A. C. Parlini. 1,764,342; June 17.
- Needle, Knitting-machine. V. Lombardi. 1,767,595; June 24.
- Needle, Latch. J. Messing. 1,775,045; Sept. 2.
- Needle, Plug-inserting. J. W. Hodgson. 1,754,556; Apr. 15.
- Needle, Reknitting. E. J. Hoffman. 1,765,303; June 17.
- Needle, Thread-extracting. S. Picard. 1,783,449; Dec. 2.
- Needle threader. E. Abola. 1,769,249; July 1.
- Needle threader. V. A. Scofield. 1,765,102; June 17.
- Needle, Weft. E. F. Hathaway and W. Bixby. 1,760,831; May 27.
- Needling-machine. C. H. Chase. 1,745,739; Feb. 4.
- Needling machine. J. B. and G. Robertson. 1,770,252; July 8.
- Nest, Automatic trap. F. P. Henry. 1,743,213; Jan. 14.
- Nest, Chicken. A. E. Prarat. 1,786,126; Dec. 23.
- Nest, Hen's. F. J. Kummeth. 1,758,753; May 13.
- Nest, Sanitary poultry. F. Lage. 1,784,101; Dec. 9.
- Nest structure, Clean-egg. D. E. Smith. 1,769,396; July 1.
- Nest, Trap. A. O. and P. M. Forster. 1,751,141; Mar. 18.
- Nested chair. L. Dellert. 1,758,826; May 13.
- Nesting device. G. W. Nesbitt. 1,765,994; June 24.
- Net, Fish. G. W. Greene. 1,786,342; Dec. 23.
- Net for the capture of undersea boats and oversea ships. G. E. Elia. 1,772,888; Aug. 12.
- Net having square-shaped meshes, Intertwisted. T. Yamamoto. 1,753,636; Apr. 8.
- Net, Landing. G. L. Mann. 1,742,550; Jan. 7.
- Net-making machines, Operating mechanism for. S. Kaku. 1,784,188; Dec. 9.
- Network, High-frequency attenuating. J. F. Farrington. 1,762,969; June 10.
- Network, Phase-compensating. H. Nyquist. 1,770,422; July 15.
- Netting for airships. Wire. P. Helma and K. Bauch. 1,763,584; June 10.
- Netting. Locomotive-smoke-box spark. W. L. Bean. 1,759,151; May 20.
- Neutralized switch, Capacity. A. B. Moulton. 1,763,406; June 10.
- Neutralizing apparatus. W. H. Chapman. 1,787,188; Dec. 30.
- Newspaper-inserting machine. H. J. Wich. 1,774,580; Sept. 2.
- News stand. R. E. Lyford. 1,774,520; Sept. 2.
- Nickel anode. G. B. Hogaboom. 1,757,714; May 6.
- Nickel-copper matte, Refining. F. E. Lathe. 1,756,092; Apr. 29.
- Nickeliferous material, Treatment of. S. C. Smith. 1,770,866; July 15.
- Nickel-plating apparatus. A. B. Schupp. 1,753,350; Apr. 8.
- Nicotine and the product thereof, Reducing the poisonous effects of. A. J. Pacini. 1,754,117; Apr. 8.
- Nicotine carbolates from crude shale oil, Obtaining. D. T. Day. 1,762,471; June 10.
- Nicotine. Recovery of. H. K. McConnell. 1,770,758; July 15.

- Nicotine stopper for cigarette holders. H. Kramar. 1,770,787; July 15.
- Nigger bar. C. C. Brayton. 1,759,037; May 20.
- Nightgown and pajamas or similar article, Combination. A. Eckstein. Des. 82,141; Sept. 30.
- Nipple. T. W. Miller. 1,742,778; Jan. 7.
- Nipple and separator for oil wells, Automatic flow. H. S. Berg. 1,767,958; June 24.
- Nipple calf feeder, Finger-. B. W. Gans. 1,760,053; May 27.
- Nipple, Flow. L. Suverkrop and D. J. Wallace. 1,744,842; Jan. 28.
- Nipple for vitreous floats. W. B. Loudenslager. 1,774,799; Sept. 2.
- Nipple, Infant's. H. A. Reisman. 1,748,731; Feb. 25.
- Nipple-inserting machine. E. E. Gold. 1,763,886; June 17.
- Nitrated bodies, Treating. J. V. Skoglund. 1,751,367; Mar. 18.
- Nitrated sorbitol. F. H. Bergeim. 1,751,438; Mar. 18.
- Nitrates, Manufacture of metallic. F. A. Henglein. 1,783,647; Dec. 2.
- Nitrided articles, Heat treating. R. Sergeson. 1,774,999; Sept. 2.
- Nitrocellulose, Acetylation of. H. A. Gardner and C. A. Knauss. 1,786,989; Dec. 30.
- Nitrocellulose, Manufacture of. A. Hough, J. R. Dufford and W. C. Leonhard. 1,785,030; Dec. 16.
- Nitrocellulose, Reducing the viscosity of. P. C. Seel. 1,757,481; May 6.
- Nitrocellulose, Reducing the viscosity of. G. H. Tozier. 1,757,491; May 6.
- Nitrocellulose solutions, Reducing the viscosity of. E. C. Pitman. 1,770,108; July 8.
- Nitro compounds, Reduction of aromatic. A. W. Dawes. 1,765,660; June 24.
- Nitro compounds, Reduction of aromatic. P. Dieterle. 1,765,367; June 24.
- Nitro derivatives of 9 aminoacridine and preparing the same, Basic. H. Jensch and O. Eisleb. 1,782,727; Nov. 25.
- Nitrogen and acetone from vinasses, Recovery of. J. Guillion. 1,772,078; Aug. 5.
- Nitrogen, Apparatus for producing. W. B. Van Arsdell. 1,765,781; June 24.
- Nitrogen, Fixation of atmospheric. J. Brightmore. 1,776,308; Sept. 23.
- Nitroglycerine shell. W. F. Bleeker. 1,775,271; Sept. 9.
- Nitrostarch, Manufacture of. O. A. Pickett. 1,779,825; Oct. 28.
- No-baste clamp. E. K. Engh. 1,749,330; Mar. 4.
- Noise in machinery, Eliminating. H. C. Snook. 1,782,912; Nov. 25.
- Noise in vacuum tubes, Method and arrangement for diminishing. W. Schaffer. 1,765,542; June 24.
- Noise maker, Novelty. H. L. Stowe. 1,760,022; May 27.
- Noise-suppression device, Harmonic. W. P. Mason. 1,778,035; Oct. 14.
- Nonconducting materials, Manufacturing objects from. A. Uhlmann. 1,768,869; July 1.
- Noncorrodible reenforced pipe. O. V. Kean. 1,763,360; June 10.
- Noncylindrical articles, Producing. C. Booth. 1,783,034; Nov. 25.
- Nonfreezing device for automobiles. R. Hill. 1,749,286; Mar. 4.
- Nonflare attachment for hats. G. L. Blakesley. 1,764,500; June 17.
- Nonmagnetic material. G. W. Elmen. 1,745,612; Feb. 4.
- Nonmetallic coupling. R. F. Cowell. 1,779,663; Oct. 28.
- Nonprint mechanism for calculating and like machines. W. S. Gubelmann. 1,742,530; Jan. 7.
- Nonskid brake. J. W. Baillie. 1,753,588; Apr. 8.
- Nonskid device. W. R. Brewer. 1,780,967; Nov. 11.
- Nonskid device. M. J. Frambach. 1,750,098; Mar. 11.
- Nonskid device. G. A. Hathorne. 1,786,653; Dec. 30.
- Nonskid device for the wheels of road vehicles. F. Bull and F. White. 1,780,864; Nov. 4.
- Nonskid wheel. M. Haagen. 1,779,909; Oct. 28.
- Nonskidding device. A. J. Hemmer. 1,746,772; Feb. 11.
- Nonslip device for use with skis. A. Elsner. 1,783,833; Dec. 2.
- Nonslipping device. R. S. Blair. 1,749,207; Mar. 4.
- Nonslipping wrench. J. B. Schultz. 1,764,990; June 17.
- Noodle cutter. J. Kovacich. 1,768,077; June 24.
- Noodle-cutting machine. R. Baccellieri and A. De Rentiis. 1,775,505; Sept. 9.
- Noodles, Device for producing die-cut. E. Ronzoni and A. Ronzoni. 1,774,671; Sept. 2.
- Noodles, Machine for making flat. L. De Vito. 1,768,749; July 1.
- Nose protector. H. G. Harris. 1,761,664; June 3.
- Nosing for stair treads. J. W. Scott. 1,743,982; Jan. 14.
- Notebook, Engineer's. J. S. McMichael. 1,778,766; Oct. 21.
- Novelty, Air-driven. W. Moreland. 1,764,180; June 17.
- Novelty can. J. Salmi. 1,761,495; June 3.
- Novelty chair. W. B. Murphy. 1,786,123; Dec. 23.
- Novelty device. A. S. Druff. 1,778,890; Oct. 21.
- Novelty, Entertaining. H. H. Lowenstein. 1,777,729; Oct. 7.
- Nozzle. J. Bess. 1,768,817; July 1.
- Nozzle. J. J. Gilsenan. 1,747,624; Feb. 18.
- Nozzle. G. C. Lammert and F. B. Lambert. 1,767,462; June 24.
- Nozzle. O. Nagel and W. Kaempfer. 1,775,911; Sept. 16.
- Nozzle. L. Negro. 1,779,009; Oct. 21.
- Nozzle. W. C. Uhrl, Jr. 1,751,719; Mar. 25.
- Nozzle. E. E. Wagner. 1,761,422; June 3.
- Nozzle, Atomizing jet. H. Adams. 1,785,802; Dec. 23.
- Nozzle, Atomizing mixing. H. Adams. 1,785,803; Dec. 23.
- Nozzle attachment, Shower. H. J. Moss. 1,751,524; Mar. 25.
- Nozzle, Burner. F. L. Hammer. 1,745,329; Jan. 28.
- Nozzle, Carburetor. H. W. Hess. 1,747,632; Feb. 18.
- Nozzle, Cement-gun. E. C. Swann. 1,784,503; Dec. 9.
- Nozzle, Check. C. W. Frank. 1,762,055; June 3.
- Nozzle construction. C. R. Waller. 1,750,652; Mar. 18.
- Nozzle construction. E. R. Zademach. 1,756,965; May 6.
- Nozzle, Exhaust. F. W. Schmidt and W. B. Thornton. 1,774,948; Sept. 2.
- Nozzle, Fire. J. O'Hanlon. 1,752,193; Mar. 25.
- Nozzle for automobile heaters. P. A. Thorin. 1,773,650; Aug. 19.
- Nozzle for combustion gas turbines. M. Sedlmeir. 1,778,126; Oct. 14.
- Nozzle for dishwashers. E. Fisk and A. H. Kahlenberg. 1,775,162; Sept. 9.
- Nozzle for dishwashers. H. F. Voshardt. 1,752,316; Apr. 1.
- Nozzle for engines working with airless fuel injection. W. S. Burn. 1,759,297; May 20.
- Nozzle for fire-extinguishing systems, Nonclogging. D. Mapes. 1,781,028; Nov. 11.
- Nozzle for gas generators, Water-cooled air and steam. J. N. Paff. 1,764,746; June 17.
- Nozzle for grease guns. C. L. Gannaway. 1,744,305; Jan. 21.
- Nozzle for metal-pouring ladles. W. T. Schaup. 1,747,530; Feb. 18.
- Nozzle for sand-blast apparatus. W. Eckler. 1,755,575; Apr. 22.
- Nozzle for suction cleaners, Blowing. A. O. Engberg and A. Eriksson-Jons. 1,781,542; Nov. 11.
- Nozzle for vacuum cleaners, Suction. G. H. Cranmer. 1,778,935; Oct. 21.
- Nozzle, Grease. G. W. Cooke. 1,781,681; Nov. 18.
- Nozzle head, Desilting. C. B. Harp. 1,778,942; Oct. 21.
- Nozzle, Hose. J. M. Alten. 1,745,138; Jan. 28.
- Nozzle, Hose. W. E. Harman. 1,768,356; June 24.
- Nozzle, Hose. H. E. Meng. 1,778,223; Oct. 14.
- Nozzle, Injection. A. E. L. Chorlton. 1,754,936; Apr. 15.
- Nozzle, Lawn-sprinkler. P. E. Heal. Des. 82,745; Dec. 9.
- Nozzle, Lawn-sprinkler. A. R. Le Moon. 1,758,119; May 13.
- Nozzle, Lining gun. H. H. Harris, W. T. Whittingslowe, and S. J. Jolly. 1,762,058; June 3.
- Nozzle, Liquid-discharge. H. W. Protzeller. 1,754,768; Apr. 15.
- Nozzle, Locomotive exhaust-steam. A. Lymburner. 1,785,907; Dec. 23.
- Nozzle, Mixing. H. H. Dutton. 1,779,036; Oct. 21.
- Nozzle, Oil-burner. C. L. Rayfield. 1,771,655; July 29.
- Nozzle or tube, Syringe. A. von Borosini. 1,764,588; June 17.
- Nozzle protector for fire boxes, Blower-. F. A. Barbey. 1,754,813; Apr. 15.
- Nozzle restrictor, Locomotive. J. Knudson. 1,751,820; Mar. 25.
- Nozzle, Sand-blast. S. B. Neikirk. 1,757,207; May 6.
- Nozzle, Sausage-filling. H. J. Poeppel and B. H. Blondeau. 1,776,597; Sept. 23.
- Nozzle, Shore-pipe. C. H. Croney. 1,774,637; Sept. 2.
- Nozzle, Shut-off hose. J. C. Schellin. 1,746,609; Feb. 11.
- Nozzle, Spray. W. C. Beach. 1,780,738; Nov. 4.
- Nozzle, Spray. E. L. Delany. 1,769,178; July 1.
- Nozzle, Spray. L. O. French. 1,746,856; Feb. 11.
- Nozzle, Spray. F. A. Walker. 1,752,823; Apr. 1.
- Nozzle spray, Pulverized-fertilizer. A. E. Lowe. 1,751,283; Mar. 18.
- Nozzle, Sprayer. N. J. Urquhart. 1,748,004; Feb. 18.
- Nozzle, Sprinkler. L. A. Phillips. Des. 81,996; Sept. 9.
- Nozzle, Steam. D. D. Heimbürger. 1,748,604; Feb. 25.
- Nozzle, Steam and clay mixing. E. V. Poston. 1,770,011; July 8.
- Nozzle, Strainer. O. W. Johnson. 1,751,638; Mar. 25.
- Nozzle structure. S. Allen. 1,759,928; May 27.
- Nozzle, suction and dispensing. F. E. Whitehouse. 1,773,018; Aug. 12.
- Nozzle, Syringe. G. Kaufman. Des. 82,681; Dec. 2.
- Nozzle, Universal fire-hose. J. R. Long. 1,779,177; Oct. 21.
- Nozzle, Vacuum-cleaner. S. H. Rippey. 1,782,882; Nov. 25.
- Nozzles and the like, Attaching mechanism for suction cleaner. C. B. Lawrence. 1,779,606; Oct. 28.
- Nozzles, Making. J. H. Taylor. 1,748,402; Feb. 25.
- Nozzles, Tip for spraying. J. D. Murray. 1,753,443; Apr. 8.
- Number machine. E. L. Mueller. 1,779,441; Oct. 28.
- Number plate, House. S. J. Miroslav. Des. 80,449; Feb. 4.
- Numbering machine. W. F. Haupt. 1,770,919; July 22.
- Numbering-machine attachment. F. Fitzgerald. 1,758,436; May 13.
- Numbering mechanism for calculating and like machines. W. S. Gubelmann. 1,742,526; Jan. 7.
- Nursery chair. G. J. Arthur. Des. 81,952; Sept. 9.
- Nursery play apparatus. R. Berman. 1,765,361; June 24.
- Nut. B. F. Kiesel. 1,753,791; Apr. 8.

- Nut. L. L. Turner. 1,763,021; June 10.
Nut and bolt assembling machine. T. C. Schenk. 1,766,003; June 24.
Nut and pipe wrench. H. Hoelper. 1,758,664; May 13.
Nut and washer, Combined. C. I. McGee. 1,769,705; July 1.
Nut-blank bars, Forming. G. F. Woelfel. 1,773,836; Aug. 26.
Nut, Cap. J. W. Hughes. 1,787,154; Dec. 30.
Nut, Clinch-on. E. W. Mitchel. 1,761,358; June 3.
Nut cracker. A. E. Ashleman. 1,764,238; June 17.
Nutcracker. R. E. DeGolyer. 1,762,573; June 10.
Nutcracker. A. Demek. 1,767,917; June 24.
Nutcracker. R. C. Goodell. 1,743,449; Jan. 14.
Nut cracker. C. B. Repp. 1,785,328; Dec. 16.
Nut-cracking machine. L. P. Anthony. 1,763,875; June 17.
Nut-cracking machine. W. Gebhardt. 1,761,823; June 3.
Nut-cracking machine. L. J. Meyer. 1,744,657; Jan. 21.
Nut-cracking machines and the like, Feeding mechanism for. L. J. Meyer. 1,782,124; Nov. 18.
Nut-cracking machines, Feeding mechanism for. W. Gebhardt. 1,761,822; June 3.
Nut-fastening installation. F. S. Carr. 1,756,631; Apr. 29.
Nut fastening, Shiftable. F. S. Carr. Re17,870; Nov. 18.
Nut-feeding mechanism. J. E. Williams. 1,786,469; Dec. 30.
Nut-forging machine. J. A. Kinney. 1,755,325; Apr. 22.
Nut for securing metal parts, Threaded. B. T. Andren. 1,759,339; May 20.
Nut lock. H. B. Avakoff and L. Thimme. 1,772,200; Aug. 5.
Nut, Lock. G. I. Boles. 1,755,807; Apr. 22.
Nut, Lock. J. H. Brown. 1,760,113; May 27.
Nut, Lock. M. Colantuono. 1,782,463; Nov. 25.
Nut lock. E. Z. Cole. 1,757,924; May 6.
Nut, Lock. P. W. Dieter. 1,750,925-6; Mar. 18.
Nut lock. A. J. Elias. 1,755,245; Apr. 22.
Nut lock. A. C. Jellison. 1,770,523; July 15.
Nut, Lock. J. Kozma. 1,747,250; Feb. 18.
Nut, Lock. C. G. Olson. 1,749,600; Mar. 4.
Nut lock. H. B. Oursler. 1,767,225; June 24.
Nut, Lock. J. E. Phillips. 1,762,739; June 10.
Nut lock. A. L. Stanford. 1,773,286; Aug. 19.
Nut lock. N. Sutcliffe. 1,751,296; Mar. 18.
Nut-lock device. N. Monnier. 1,772,676; Aug. 12.
Nut lock, Safety. P. Kaisler. 1,744,121; Jan. 21.
Nut, Lockable bolt. R. W. Fishback. 1,786,201; Dec. 23.
Nut-locking device for rail joints, Spring. H. C. Norwood. 1,758,848; May 13.
Nut-locking washer. W. J. Chism. 1,762,651; June 10.
Nut machine. G. S. Smith. 1,778,232; Oct. 14.
Nut-manipulating device. H. Alinder and G. B. Shipley. 1,778,055; Oct. 14.
Nut-meat product and producing same. J. L. Rosenfield. 1,756,702; Apr. 29.
Nut mounted upon sheet metal. H. G. Renner. 1,757,143; May 6.
Nut or collar, Threadless. H. Dalton. 1,782,196; Nov. 18.
Nut or screw connection with device to prevent loosening. M. Reuter. 1,747,082; Feb. 11.
Nut, Rivetable. H. G. Renner. 1,757,142; May 6.
Nut, Self-tightening. M. J. Duffy. 1,763,505; June 10.
Nut, Self-locking. H. E. Burns. 1,774,081; Aug. 26.
Nut-setting machine. J. W. Myers. 1,766,139; June 24.
Nut-tapping device. F. W. Kosfeld. 1,760,702; May 27.
Nut-tapping machine. D. Kelleher. 1,784,631; Dec. 9.
Nut-tapping machine. G. A. Vis. 1,745,778; Feb. 4.
Nut, Unit Lock. J. A. MacLean. 1,767,219; June 24.
Nut, Wing. H. F. Kellogg. 1,773,146; Aug. 19.
Nuts, Apparatus for forming. C. R. Roof. 1,761,642; June 3.
Nuts, Arrangement in locking. J. I. Olsson and G. U. A. Hult. 1,742,722; Jan. 7.
Nuts, Forming lock. H. E. Burns. 1,753,597; Apr. 8.
Nuts, Making. W. L. Ward. 1,758,990; May 20.
Nuts, Making lock. T. T. Haddick. 1,777,201; Sept. 30.
Nuts, Method of and apparatus for making. C. F. Hamman. 1,764,300; June 17.
Nuts, Producing synthetic. H. W. Sloat. 1,774,110; Aug. 26.
Nuts to metal plates, Attaching tapped. B. T. Andren. Re17,907; Dec. 16.
Nutritive substances, Production of. K. Stejskal. 1,774,771; Sept. 2.
Oar. T. R. Keenan. 1,742,260; Jan. 7.
Oar blade or the like. J. L. Ribard. 1,786,451; Dec. 30.
Oar, Bow-facing. G. F. Webb. 1,759,598; May 20.
Oarlock. J. E. Mathewson. 1,757,378; May 6.
Oarlock. A. G. and H. M. Seberg. 1,768,006; June 24.
Oat huller. S. N. Tremper and C. M. Johannsen. 1,769,084; July 1.
Objective corrected spherically, chromatically, astigmati-
cally, and for coma. W. Merté. 1,786,916; Dec. 30.
Objective suitable for photographic purposes. J. W. Has-
selkus and G. A. Richmond. 1,777,262; Sept. 30.
Objects consisting of refractory, insulating, abrasive, or
like substances, Manufacture of. M. Fourment. 1,756,457; Apr. 29.
Objects to hook-type conveyers, Transferring. F. R. Colby
and A. L. Larsen. 1,752,783; Apr. 1.
Observation instrument. J. Stephen. 1,763,827; June 17.
Obstetrical extractor. E. Froehlich. 1,782,814; Nov. 25.
Obstetrical table. J. Walter. 1,778,698; Oct. 14.
Obstructive matter from oil wells, Apparatus for the re-
movable of. C. Larsen. 1,780,428; Nov. 4.
Occlusion, Obtaining balanced. T. Messerman. 1,776,474;
Sept. 23.
Ocular. C. von Hofe. 1,759,529; May 20.
Odometer. J. Zubaty. 1,784,773; Dec. 9.
Odometer drive. J. B. Mills and F. O. Gray. 1,748,786;
Feb. 25.
Odometer drive. J. B. Mills and F. O. Gray. 1,752,019;
Mar. 25.
Odometer for testing vehicle brakes. D. P. Owens. 1,770,322; July 8.
Odometers, Attachment for. I. T. Wedin. 1,760,264;
May 27.
Odometers, Reset mechanism for. J. Zubaty. 1,783,398;
Dec. 2.
Odor and flavor of garlic from milk, Removing. G. H.
Earman. 1,775,896; Sept. 16.
Odorless and flyproof dry closet. W. F. Caldwell. 1,774,962; Sept. 2.
Office accessory. W. I. Cubberley. 1,772,438; Aug. 5.
Offset sheet, Endless. J. E. Guerry, F. W. Worrall, and
A. J. Muglach. 1,746,152; Feb. 4.
Offsets in sheet material, Apparatus for forming. C. C.
Overmire. 1,746,864; Feb. 11.
Ohmic resistance, Unalterable. S. Loewe. 1,745,939;
Feb. 4.
Oil amino sulphonates, Mineral-. W. T. Reddish. 1,780,144; Oct. 28.
Oil and air, Apparatus for mixing. J. R. Kinney. 1,743,715; Jan. 14.
Oil and air mixing device in the form of vacuum pumps.
W. E. Shore. 1,752,398; Apr. 1.
Oil and carbureted water gas, Simultaneously producing
light hydrocarbon motor-fuel. F. A. Howard. 1,767,455;
June 24.
Oil and gas burning furnace. E. E. McGill. 1,746,546;
Feb. 11.
Oil and gas separator. L. M. Hackett. 1,770,773; July 15.
Oil and gas separator. J. G. Peck. 1,762,097; June 3.
Oil and gas separator. J. R. Sullivan. 1,751,017; Mar. 18.
Oil and gas separator. M. E. Wagner. 1,780,101;
Oct. 28.
Oil and gas separator. M. F. Waters. 1,752,215; Mar. 25.
Oil and gas separator. M. F. Waters. 1,779,023; Oct. 21.
Oil and gas separators, Skirt for. L. M. Hackett. 1,770,774; July 15.
Oil and gasoline register. A. W. Johnson. 1,774,015;
Aug. 26.
Oil and making same, Illuminating. F. W. Hall. 1,752,299; Apr. 1.
Oil and natural-gas separator, Crude-. M. H. Kotzebue. 1,782,783; Nov. 25.
Oil and producing the same, Chatterless. T. W. Doell and
E. N. Klemgard. 1,781,167; Nov. 11.
Oil and the like products, Means to prevent substitution of.
A. E. Davenport. 1,759,734; May 20.
Oil and water emulsions, Dehydration of. J. M. Cage. 1,754,009; Apr. 8.
Oil and water separator. J. F. Harmon. 1,758,743; May
13.
Oil, Apparatus for cracking. G. Egloff. 1,766,986;
June 24.
Oil, Apparatus for cracking. G. Egloff and H. P. Benner. 1,751,730; Mar. 25.
Oil, Apparatus for cracking. G. Egloff and H. P. Benner. 1,759,446; May 20.
Oil, Apparatus for distilling. S. Schwartz. 1,768,965;
July 1.
Oil, Apparatus for distilling. A. Schwarz. 1,765,886;
June 24.
Oil, Apparatus for distilling lubricating. A. E. Pew, jr. 1,761,151; June 3.
Oil, Apparatus for reclaiming. J. R. Miller. 1,771,684;
July 29.
Oil, Apparatus for refining. G. H. Taber, jr. 1,746,915;
Feb. 11.
Oil, Apparatus for treating used lubricating. R. M. Dil-
worth and F. G. Niece. 1,749,571; Mar. 4.
Oil-break switch, Multipolar. H. Kergel. 1,768,961;
July 1.
Oil burner. J. J. Barrett. 1,780,219; Nov. 4.
Oil burner. G. F. Beach. 1,763,387; June 10.
Oil burner. C. O. Bech. 1,775,715; Sept. 16.
Oil burner. W. H. and C. E. Boston. 1,743,021; Jan. 7.
Oil burner. G. H. Bowler. 1,784,173; Dec. 9.
Oil burner. A. C. Bryan. 1,762,678; June 10.
Oil burner. A. E. Chisholm. 1,773,477; Aug. 19.
Oil burner. H. Dittes. 1,765,827; June 24.
Oil burner. W. Ebke. 1,776,150; Sept. 16.
Oil burner. S. E. Fegley. 1,770,232; July 8.
Oil burner. J. Good and E. O. Seaver. 1,774,137; Aug. 26.
Oil burner. A. E. Grant. 1,780,185; Nov. 4.
Oil burner. I. J. Grunin. 1,779,844; Oct. 28.
Oil burner. F. L. Hammer. 1,744,962; Jan. 28.
Oil burner. F. L. Hammer. 1,767,669; June 24.
Oil burner. F. Hardinge. 1,747,365; Feb. 18.
Oil burner. F. Hardinge. 1,748,416; Feb. 25.
Oil burner. W. D. Harvey. 1,763,779; June 17.
Oil burner. C. A. Henry and N. Krump. 1,775,458;
Sept. 9.
Oil burner. L. D. Houllis. 1,749,248; Mar. 4.
Oil burner. T. H. Ickenroth. 1,779,167; Oct. 21.
Oil burner. G. E. Jacobson. 1,755,602; Apr. 22.
Oil burner. A. Kais. 1,762,868; June 10.

- Oil burner. W. R. Kiefer. 1,762,555; June 10.
 Oil burner. W. R. Kiefer. 1,777,524; Oct. 7.
 Oil burner. J. C. Korth. 81,492; July 1.
 Oil burner. L. La Branch. 1,764,109; June 17.
 Oil burner. A. A. Lapointe. 1,782,730; Nov. 25.
 Oil burner. M. A. S. Lavigne. 1,763,164; June 10.
 Oil burner. G. C. Lee. 1,767,295; June 24.
 Oil burner. H. J. Lighty. 1,772,750; Aug. 12.
 Oil burner. F. Marion. 1,774,937; Sept. 2.
 Oil burner. F. Marion. 1,775,771-2; Sept. 16.
 Oil burner. H. S. Pierce. 1,748,991; Mar. 4.
 Oil burner. C. L. Rayfield. 1,779,680; Oct. 28.
 Oil burner. D. B. Roberts. 1,771,448; July 29.
 Oil burner. W. F. Schaller. 1,760,007; May 27.
 Oil burner. J. H. Sisler. 1,769,318; July 1.
 Oil burner. I. E. Smith. 1,757,023; May 6.
 Oil burner. E. D. Sornberger. 1,754,578; Apr. 15.
 Oil burner. L. F. Spear. 1,776,048; Sept. 16.
 Oil burner. C. A. Stenvig. 1,742,732; Jan. 7.
 Oil burner. W. W. Stuart. 1,782,668; Nov. 25.
 Oil burner. R. E. Talley. 1,777,337; Oct. 7.
 Oil burner. B. J. Tidy. 1,749,401; Mar. 4.
 Oil burner. G. E. Tiller. 1,756,226; Apr. 29.
 Oil burner. R. W. Titmas and R. S. Hickish. 1,774,953; Sept. 2.
 Oil burner. L. F. Williamson. 1,746,177; Feb. 4.
 Oil burner. S. Winkler. 1,769,008; July 1.
 Oil burner. M. W. Wood. 1,784,771; Dec. 9.
 Oil burner and method of effecting the combustion of oil fuels. W. F. Ravenor. 1,761,537; June 3.
 Oil burner, Automatically-controlled. L. I. Aldrich. 1,752,053; Mar. 25.
 Oil burner, Fuel-. J. E. Hackford. 1,752,173; Mar. 25.
 Oil burner, Fuel-. L. E. Johnson and E. C. Leach. 1,764,794; June 17.
 Oil burner, Fuel-. W. G. Peters. 1,760,774; May 27.
 Oil burner, Recuperative. R. C. Hopkins. 1,761,628; June 3.
 Oil-burning apparatus. J. L. Breese, jr. 1,743,081; Jan. 7.
 Oil-burning apparatus. C. M. Colvin. 1,744,825; Jan. 28.
 Oil-burning apparatus. H. B. Donley, A. J. Frame, and J. G. Gilmore. 1,786,832; Dec. 30.
 Oil-burning apparatus. A. E. Grant. 1,753,146; Apr. 1.
 Oil-burning apparatus. A. E. Grant. 1,753,782; Apr. 8.
 Oil-burning apparatus. H. S. Rogers and R. Raddatz. 1,764,984; June 17.
 Oil-burning apparatus. G. D. Sundstrand. 1,756,707; Apr. 29.
 Oil-burning apparatus. H. A. Tiffany. 1,784,853; Dec. 16.
 Oil-burning device for furnaces. J. N. McConnell and W. Small. 1,772,426; Aug. 5.
 Oil-burning engine. C. L. Cummins. 1,752,786; Apr. 1.
 Oil-burning engine. C. L. Cummins. 1,762,653; June 10.
 Oil-burning mechanisms, Primary mixing chamber in. O. A. Fogarty. 1,764,070; June 17.
 Oil-burning process. C. V. Stuart. 1,743,051; Jan. 7.
 Oil-burning process. W. Symmes. 1,785,154; Dec. 16.
 Oil burning, Process for. H. Adams. 1,785,804; Dec. 23.
 Oil-burning system. J. W. Cannon. 1,766,242; June 24.
 Oil burners, Fuel-head control for. B. Vanjean. 1,778,437; Oct. 14.
 Oil can. F. Borzl. 1,754,078; Apr. 8.
 Oil can. D. S. Burke. 1,778,291; Oct. 14.
 Oil can. R. L. Cary. 1,754,668; Apr. 15.
 Oil can. P. Fontaine. 1,751,314; Mar. 18.
 Oil can. H. H. Moreton. 1,754,367; Apr. 15.
 Oil can. H. H. Moreton. 1,754,394; Apr. 15.
 Oil can. G. Petrak. 1,754,041; Apr. 8.
 Oil can. A. E. Westwood. 1,742,676; Jan. 7.
 Oil can, Flexible. J. M. Hinkle. 1,752,085; Mar. 25.
 Oil can, Self-draining. S. E. Nord. 1,785,388; Dec. 16.
 Oil-change indicator. H. Rothausen. 1,777,897; Oct. 7.
 Oil-change indicator. E. H. Shields and O. E. Suetterlin. 1,754,191; Apr. 8.
 Oil-change indicator for motor vehicles. W. E. Oshel. Des. 80,800; Mar. 25.
 Oil-circulating system. J. L. Perkins and H. D. Croft. 1,754,040; Apr. 8.
 Oilcloth. H. W. Dieck. Des. 82,253; Oct. 14.
 Oil-collecting apparatus for dough-dividing machines. D. Miller. 1,771,267; July 22.
 Oil composition, etc. W. W. Evans. 1,752,945-6; Apr. 1.
 Oil composition. H. K. Ihrig. 1,768,910; July 1.
 Oil composition, Fatty-. C. F. Kaegebehn. 1,784,360; Dec. 9.
 Oil composition, Fatty-. A. A. Somerville. 1,767,264; June 24.
 Oil composition, Mineral-. C. F. Kaegebehn. 1,784,359; Dec. 9.
 Oil control for carbureted water-gas sets, Automatic. M. Parsons. 1,758,891; May 13.
 Oil conversion, Hydrocarbon-. C. P. Dubbs. 1,779,465; Oct. 28.
 Oil conversion, Vapor phase method of. C. R. Wagner. 1,749,521; Mar. 4.
 Oil, Converting. G. Egloff and H. P. Benner. 1,765,663; June 24.
 Oil cooler. A. R. Gross. 1,776,726; Sept. 23.
 Oil, Cracking. J. C. Black. 1,770,098; July 8.
 Oil, Cracking. J. Delattre-Seguy. 1,766,246; June 24.
 Oil, Cracking hydrocarbon. A. D. David. 1,774,228; Aug. 26.
 Oil, Cracking hydrocarbon. J. G. Hawthorne. 1,782,686; Nov. 25.
 Oil cracking, Method and apparatus for. J. H. Welch. 1,784,562; Dec. 9.
 Oil, Cracking mineral. J. H. Pew. 1,744,574; Jan. 21.
 Oil, Cracking mineral. A. E. Pew, jr., and H. Thomas. 1,786,315; Dec. 23.
 Oil, Cracking petroleum. R. T. Pollock. 1,781,128; Nov. 11.
 Oil, Cracking petroleum. R. T. Pollock. 1,783,259; Dec. 2.
 Oil-cracking retorts, Protecting the interiors of. A. C. Holzapfel. 1,761,343; June 3.
 Oil, Cracking petroleum. G. Egloff. 1,766,987; June 24.
 Oil-cracking process. J. B. Jaqua. 1,752,004; Mar. 25.
 Oil-cracking process. A. Schwarz. 1,756,887; Apr. 29.
 Oil cup. L. B. Jones. 1,770,929; July 22.
 Oil cup. H. B. Morrow. 1,766,345; June 24.
 Oil, Dehydrating. W. L. Palmer. 1,781,076; Nov. 11.
 Oil, Destructive distillation of petroleum. A. D. David. 1,766,983; June 24.
 Oil, Dewaxing petroleum. L. D. Jones. 1,784,525; Dec. 9.
 Oil dispenser. A. Mitchell. 1,747,786; Feb. 18.
 Oil distillates, Purifying lubricating. M. L. Chappell. 1,761,328; June 3.
 Oil distillation. C. F. Tears. 1,769,972; July 8.
 Oil distillation, Mineral-. A. E. Pew, jr., and H. Thomas. 1,742,933; Jan. 7.
 Oil, Distillation of. E. W. Isom. 1,771,409; July 29.
 Oil, Distilling. A. E. Pew, jr. 1,761,153; June 3.
 Oil emulsions and reagents therefor, Resolving. F. H. Penn. 1,758,802; May 13.
 Oil, Extracting nut. T. M. Rector. 1,77,808; Oct. 7.
 Oil feeding and atomizing device for oil burners and other equipment. L. Lavoie. 1,774,714; Sept. 2.
 Oil feeding and burning apparatus. A. E. Grant. 1,753,145; Apr. 1.
 Oil-feeding device. C. H. Rudge and E. A. Buchanan. 1,765,618; June 24.
 Oil filler. M. L. Carpentier. 1,751,440; Mar. 18.
 Oil-filter member. C. W. McKinley. 1,783,924; Dec. 2.
 Oil-filtering means. L. W. Shotts. 1,761,940; June 3.
 Oil, Filtering mineral. D. L. Naef. 1,753,900; Apr. 8.
 Oil from cottonseed, Extracting. R. O. Boykin. 1,775,154; Sept. 9.
 Oil from fish livers and other similar materials, Recovering. A. W. Owe. 1,742,666; Jan. 7.
 Oil from metal, Apparatus for removing. O. L. Maag and C. M. Maratta. 1,743,465; Jan. 14.
 Oil from metal, Recovering. O. L. Maag and C. M. Maratta. 1,743,466; Jan. 14.
 Oil from oleaginous material, Apparatus and method of extracting. E. Lawrence, jr. 1,748,356; Feb. 25.
 Oil from passing pistons, Preventing. F. A. Myers. 1,766,829; June 24.
 Oil from sulphated components thereof, Separating. H. Heckel and W. T. Reddish. 1,775,622; Sept. 9.
 Oil from the shell of the cashew nut, Removing. E. R. Hughes. 1,784,628; Dec. 9.
 Oil-gas mixtures, Making. C. Chilowsky. 1,757,855; May 6.
 Oil gauge. T. A. Hodges and E. Elrod. 1,781,756; Nov. 18.
 Oil heater. F. J. Ackman and G. B. Reeger. 1,769,817; July 1.
 Oil heater. C. W. and R. L. Nelson. 1,751,857; Mar. 25.
 Oil heater. R. L. and C. W. Nelson. 1,751,858; Mar. 25.
 Oil heater. H. Taylor. 1,751,533; Mar. 25.
 Oil heater, Crank-case-. A. J. Gelino. 1,770,642; July 15.
 Oil heater, Crank-case-. T. P. Hannegan. 1,781,840; Nov. 18.
 Oil heater, Gas-generator. H. Baetz. 1,747,613; Feb. 18.
 Oil in oil burners, Method of and apparatus for controlling the combustion of. B. Greenfield. 1,768,901; July 1.
 Oil leakage, Preventing. J. Abenanti. 1,760,463; May 27.
 Oil-level indicator. J. Wale. 1,778,840; Oct. 21.
 Oil, Lubricating. N. MacCull, jr. 1,767,147; June 24.
 Oil, Manufacture of lubricating. G. H. Taber, jr. 1,746,916; Feb. 11.
 Oil, Manufacture of lubricating. G. H. Taber, jr. 1,749,896; Mar. 11.
 Oil, Method and apparatus for cracking. W. Brink and G. L. Hess. 1,783,697; Dec. 2.
 Oil, Method and apparatus for cracking. J. S. Harrison. 1,767,360; June 24.
 Oil, Method and apparatus for distilling. J. C. Black. 1,771,705; July 29.
 Oil, Method and apparatus for nebulizing fuel. W. E. Shore. 1,744,059; Jan. 21.
 Oil, Method of and apparatus for atomizing fuel. H. Adams. 1,785,805; Dec. 23.
 Oil mill. R. C. Hopkins. 1,775,721; Sept. 16.
 Oil mop. H. Hertzberg. 1,757,365; May 6.
 Oil motor. F. Lang. 1,759,162; May 20.
 Oil, Neutralizing washed light. J. J. Lewton. 1,779,944; Oct. 28.
 Oil or other liquid to thread, Method and device for applying. E. K. Gladding. 1,767,209; June 24.
 Oil pan. C. L. McCuen. 1,761,930; June 3.
 Oil, Process and apparatus for cracking. G. Egloff. 1,766,331; June 24.
 Oil, Process and apparatus for the treatment of. D. G. Brandt. 1,784,087; Dec. 9.
 Oil, Process and apparatus for treating. J. Delattre-Seguy. 1,782,809; Nov. 25.

- Oil, Process and apparatus for treating hydrocarbon. J. Delattre-Seguy. 1,774,188; Aug. 26.
- Oil, Process and apparatus for treating hydrocarbon. R. K. Stratford. 1,768,342; June 24.
- Oil, Process and apparatus for treating petroleum. A. G. Bogardus. 1,753,769; Apr. 8.
- Oil, Producing rosin. J. N. Borglin. 1,782,401; Nov. 25.
- Oil-pumping-prevention piston means. D. Sandford. 1,754,404; Apr. 15.
- Oil-purification process. F. M. Clark and A. T. Harding. 1,776,550; Sept. 23.
- Oil purifier. S. I. Fekete. 1,768,550; July 1.
- Oil purifier, Lubricating-. E. E. Hans. 1,769,897; July 1.
- Oil, Purifying. L. H. Clark. 1,747,181; Feb. 18.
- Oil-purifying means for turbines, etc. F. E. C. Boyd. 1,757,289; May 6.
- Oil-purifying process. L. D. Jones. 1,778,831; Oct. 21.
- Oil, Reclaiming. D. C. Cox. 1,752,238; Mar. 25.
- Oil, Recovering and increasing the production of. P. E. Workman. 1,784,214; Dec. 9.
- Oil-recovery method and apparatus. W. A. Loomis. 1,760,420; May 27.
- Oil rectifier. S. C. Kimball. 1,776,234; Sept. 16.
- Oil rectifier. J. Zubaty. 1,761,932; June 3.
- Oil rectifier for internal-combustion motors. W. B. Clifford. 1,746,637; Feb. 11.
- Oil, Refined viscous hydrocarbon. T. H. Rogers. 1,774,845; Sept. 2.
- Oil-refinery fitting. C. B. Harbison. 1,787,040; Dec. 30.
- Oil, Refining. W. Johnson. 1,767,459; June 24.
- Oil, refining agent therefor, and producing same, Refining. R. O. Boykin. 1,744,610; Jan. 21.
- Oil-refining apparatus for combustion-engine lubrication. G. H. Greenhalgh and E. J. Sweetland. 1,764,298; June 17.
- Oil-refining device. E. L. Gross. 1,755,440; Apr. 22.
- Oil, Refining used. J. C. Patrick. 1,750,350; Mar. 11.
- Oil ring. O. E. Szekely. 1,769,975; July 8.
- Oil saver and packing head. W. G. Bradford. 1,762,211; June 10.
- Oil saver. A. S. Feild. 1,771,250; July 22.
- Oil saver. B. B., and A. M. Hoffman. 1,782,851; Nov. 25.
- Oil scraper. R. Miller. 1,770,142; July 8.
- Oil separator. E. J. Beach. 1,773,073; Aug. 12.
- Oil separator. J. W. Cushman, J. D. Everett, and C. J. Farrell. 1,753,403; Apr. 8.
- Oil separator. H. H. Gracey. 1,754,789; Apr. 15.
- Oil separator. J. R. Kinney. 1,778,078; Oct. 14.
- Oil-sludge accelerator. N. E. Funk. 1,770,735; July 15.
- Oil solution, Ephedrine. E. H. Stuart. 1,743,992; Jan. 14.
- Oil solution, Ephedrine. E. H. Stuart. 1,762,108; June 3.
- Oil, Spray. W. J. Yates. 1,778,239; Oct. 14.
- Oil storing and dispensing systems, Controlling the flow in hydraulic. W. J. Peter. 1,759,663; May 20.
- Oil-supply-controlling device. H. A. Cowardin. 1,742,459; Jan. 7.
- Oil switch. L. Magrini. 1,771,501; July 29.
- Oil switch. A. Wichert. 1,766,575; June 24.
- Oil, System for storing and dispensing. W. J. Peter. 1,759,708; May 20.
- Oil, System for the combustion of. G. Gontard. 1,751,236; Mar. 18.
- Oil-tank separator. J. L. Davitt and N. K. Hanks. 1,748,541; Feb. 25.
- Oil-temperature regulator. V. Parkins. 1,775,781; Sept. 16.
- Oil to furnaces, Apparatus for supplying fuel. A. C. Bennett. 1,783,215; Dec. 2.
- Oil treater, Absorbent. J. L. Looney. 1,777,005; Sept. 30.
- Oil, Treating. C. P. Dubbs. 1,756,018; Apr. 29.
- Oil, Treating. W. D. Harris and R. V. Aycock. 1,745,167; Jan. 28.
- Oil-treating apparatus. E. J. De Guenther. 1,745,248; Jan. 28.
- Oil-treating apparatus. J. J. Fearis. 1,781,632; Nov. 11.
- Oil-treating apparatus. C. R. Short and C. L. Lee. 1,787,409; Dec. 30.
- Oil, Treating fuel. A. H. Ackerman. 1,754,297; Apr. 15.
- Oil, Treating hydrocarbon. G. Egloff. 1,751,731; Mar. 25.
- Oil, Treating hydrocarbon. J. M. Goodwin. 1,786,650; Dec. 30.
- Oil, Treating hydrocarbon. C. W. Watson. 1,744,599; Jan. 21.
- Oil, Treating hydrocarbon. C. W. Watson. 1,780,286; Nov. 4.
- Oil, Treating linseed. B. H. Thurman. 1,745,877; Feb. 4.
- Oil, Treating petroleum. C. P. Dubbs. 1,761,622; June 3.
- Oil treatment. S. Boyer. 1,760,539; May 27.
- Oil under a high vacuum, Distilling mineral. A. E. Pew, jr. 1,778,565; Oct. 14.
- Oil-vapor separation and condensation. J. E. Bell. 1,764,190; June 17.
- Oil water washer. N. E. Funk. 1,770,736; July 15.
- Oil-well apparatus. C. M. Hunt and R. W. Wilkinson. 1,768,323; June 24.
- Oil-well apparatus. L. J. Husted. 1,768,984; July 1.
- Oil-well apparatus. J. F. Moody. 1,766,920; June 24.
- Oil-well control. W. C. Stollberg. 1,754,061; Apr. 8.
- Oil-well delivery apparatus. T. J. Miller. 1,751,347; Mar. 18.
- Oil-well-flooding apparatus. N. E. Wightman. 1,778,740; Oct. 21.
- Oil-well flow device. K. P. Neilsen. 1,757,329; May 6.
- Oil-well heater. W. C. Pasley. 1,761,227; June 3.
- Oil-well packer. P. H. Mack. 1,785,276-7; Dec. 16.
- Oil-well packing head. L. F. Davis. 1,774,196; Aug. 26.
- Oil-well-pulling machine. M. D. Perry. 1,784,311; Dec. 9.
- Oil-well-testing device. E. H. Cox. 1,786,897; Dec. 30.
- Oil wells, Apparatus for flowing. T. A. Beecher. 1,750,951; Mar. 18.
- Oil wells, Apparatus for flowing. B. E. Lindsly. 1,742,403; Jan. 7.
- Oiler, Air-line. A. E. Peters. 1,751,714; Mar. 25.
- Oiler, Air-line. J. E. Renfer. 1,783,522; Dec. 2.
- Oiler, Air-line. G. G. Tuttle. 1,750,070; Mar. 11.
- Oiler and waxer, Paper. C. A. Arvidson. 1,769,250; July 1.
- Oiler, Automatic. H. W. Wulf. 1,761,699; June 3.
- Oiler, Chain. G. M. Bartlett. 1,771,835; July 29.
- Oiler, Flange. J. C. Burford. 1,765,202; June 17.
- Oiler, Floor. J. A. May. 1,770,795; July 15.
- Oiler for dough dividers, Blade. G. L. Gay. 1,779,876; Oct. 28.
- Oiler for threads. F. C. Scholler. 1,759,326; May 20.
- Oiler for handsaws, Automatic. C. V. Kirsch. 1,775,679; Sept. 16.
- Oiler, Force. O. R. Ball. 1,761,462; June 3.
- Oiler, Hog. K. Pfeifer. 1,747,597; Feb. 18.
- Oiler, Loose-pulley. R. E. Ries and F. R. Koverman. 1,749,605; Mar. 4.
- Oiler, Multiple. R. J. Gits. 1,759,254; May 20.
- Oiler, Multiple. R. J. Gits. 1,763,961; June 17.
- Oiler or moistener, Thread. F. C. Scholler. 1,766,954; June 24.
- Oiler, Overhead gasoline-engine. A. R. Solomon. 1,786,269; Dec. 23.
- Oiler, Rail and wheel flange. C. L. Emerson and P. E. Buettell. 1,749,876; Mar. 11.
- Oiler, Rail-joint. H. W. Protzeller. 1,742,370; Jan. 7.
- Oiler, Road. W. T. Thompson. 1,755,376; Apr. 22.
- Oiler, Wheel-flange. J. S. Childs. 1,782,133; Nov. 18.
- Oiling apparatus. P. Dosch. 1,780,465; Nov. 4.
- Oiling device. L. C. Bayles. 1,763,683; June 17.
- Oiling device. O. K. A. Wallden. 1,777,340; Oct. 7.
- Oiling device, Railway journal-. C. Stern and J. J. Carlock. 1,778,696; Oct. 14.
- Oiling device, Track-. A. J. Van Dresser. 1,758,300; May 13.
- Oiling means for transmission gearing. S. O. White. 1,780,958; Nov. 11.
- Oiling means for transmissions. S. O. White. 1,758,879; May 13.
- Oiling mechanism. J. A. Lund. 1,757,642; May 6.
- Oiling mechanism for spinning frames and the like. Gravity. W. C. McGee. 1,782,624; Nov. 25.
- Oiling mechanism, Lathe-. W. F. Groene. 1,781,755; Nov. 18.
- Oiling system. H. L. Horning. 1,764,078; June 17.
- Oiling system for chain drives. D. B. Perry. 1,771,346; July 22.
- Oiling system for deep-well turbine pumps, Automatic. R. M. Magnuson. 1,750,898; Mar. 18.
- Oiling system for centrifugal machines. H. J. M. C. Krantz. 1,745,853; Feb. 4.
- Oiling system for gears. F. W. Kennedy. 1,749,077; Mar. 4.
- Oiling system for motors. N. Warshaw. 1,770,149; July 8.
- Oiling system for shapers. W. F. Zimmermann. 1,781,149; Nov. 11.
- Oiling system, Supercharger. D. Gregg. 1,784,433; Dec. 9.
- Oils and fats in vacuo by means of steam or the like. Apparatus for purifying. W. Gensecke. 1,746,078; Feb. 4.
- Oils and other glycerides, Treating. W. C. Arsem. 1,760,535; May 27.
- Oils and the like, Method and apparatus for cracking and rectifying petroleum. J. M. Wadsworth. Re17,831; Oct. 14.
- Oils, Apparatus for cracking. W. S. Hadaway, jr. 1,751,148; Mar. 18.
- Oils, Apparatus for distilling hydrocarbon. C. C. Miller. 1,786,357; Dec. 23.
- Oils, Apparatus for distilling hydrocarbon. H. G. Schnetzler. 1,779,918; Oct. 28.
- Oils, Apparatus for spraying heavy. W. Stricker. 1,758,984; May 20.
- Oils, Apparatus for the lye treatment of petroleum. C. K. Parker. 1,752,350; Apr. 1.
- Oils, Apparatus for treating hydrocarbon. J. B. Weaver. 1,763,608; June 10.
- Oils as addition agents to zinc-chloride-base fluxes, Sulphonated mineral. W. K. Schweitzer. 1,785,147; Dec. 16.
- Oils containing sulphur, Treating petroleum. C. J. Ziser and J. H. Osmer. 1,784,215; Dec. 9.
- Oils containing water, Utilizing residue. A. H. Mallory. 1,747,375; Feb. 18.
- Oils, Continuous distillation of heavy hydrocarbon. R. E. Wilson. 1,751,182; Mar. 18.
- Oils, Conversion of hydrocarbon. G. F. Benhoff. 1,748,201; Feb. 25.
- Oils, Converting high-boiling hydrocarbon. E. E. Bartels. 1,782,160; Nov. 18.
- Oils, Cooking. D. R. Weller and L. Link. 1,767,331; June 24.
- Oils, Cracking. R. C. Holmes and F. T. Manley. 1,786,947; Dec. 30.

- Oils, Cracking hydrocarbon. J. E. Bell and E. W. Isom. 1,758,818; May 13.
- Oils, Cracking hydrocarbon. R. J. Dearborn. 1,783,010; Nov. 25.
- Oils, Cracking hydrocarbon. E. C. Herthel. 1,772,865; Aug. 12.
- Oils, Cracking hydrocarbon. E. C. Herthel and H. L. Pelzer. 1,773,180; Aug. 19.
- Oils, Cracking hydrocarbon. E. C. Herthel and T. De C. Tift. 1,747,437; Feb. 18.
- Oils, Cracking hydrocarbon. E. C. Herthel and T. De C. Tift. 1,760,357; May 27.
- Oils, Cracking hydrocarbon. E. C. Herthel and T. De C. Tift. 1,773,181; Aug. 19.
- Oils, Cracking hydrocarbon. E. W. Isom. 1,762,229; June 10.
- Oils, Cracking hydrocarbon. H. L. Pelzer. 1,770,287; July 8.
- Oils, Cracking hydrocarbon. H. L. Pelzer. 1,774,291; Aug. 26.
- Oils, Cracking of. E. C. Herthel and E. W. Isom. 1,781,390; Nov. 11.
- Oils, Cracking petroleum. R. A. Halloran and A. L. Strout. 1,765,976; June 24.
- Oils, Deodorizing fats and fatty. H. Bollmann. 1,754,598; Apr. 15.
- Oils, Device for gassifying heavy. J. W. Ingleton. 1,749,031; Mar. 4.
- Oils, Dewaxing hydrocarbon. A. R. Greig. 1,782,467; Nov. 25.
- Oils, Distillation hydrocarbon. W. H. Bahlke. 1,778,445; Oct. 14.
- Oils, Distillation of hydrocarbon. G. W. Watts, P. L. Krauel, and T. E. Stockdale. 1,784,561; Dec. 9.
- Oils, Distillation of hydrocarbon. R. E. Wilson. 1,758,590; May 13.
- Oils, Distillation of crude. F. Tinker. 1,779,222; Oct. 21.
- Oils, fats, waxes, greases, and the like from material containing the same, Method of and apparatus for extraction of. L. J. and A. Simon. 1,776,742; Sept. 23.
- Oils for filter cakes, Recovery of entrained. G. F. Olsen. 1,745,837; Feb. 4.
- Oils for improving the same, Treatment of. W. G. Leamon. 1,769,792; July 1.
- Oils from crude cottonseed oil, Producing edible. W. Kelley. 1,747,675; Feb. 18.
- Oils from vegetable matter, Extraction of. I. S. Hocker. 1,751,331; Mar. 18.
- Oils having a high boiling point into those having a lower boiling point, Converting hydrocarbons and mineral. H. Wolf. 1,742,888; Jan. 7.
- Oils into light hydrocarbon oils or spirits, Conversion of heavy hydrocarbon. F. Lamplough. 1,765,167; June 17.
- Oils into lighter products, Process and apparatus for converting heavy hydrocarbon. F. S. Woidich. 1,754,136; Apr. 8.
- Oils into lower boiling products, Process of and apparatus for converting heavy mineral. W. G. Leamon. 1,769,709; July 1.
- Oils into relatively low-boiling-point oils, Decomposing relatively high-boiling-point. A. L. Strout. 1,776,985; Sept. 30.
- Oils, Lye treatment of petroleum. C. K. Parker. 1,764,117; June 17.
- Oils, Manufacture of lubricating. L. Edeleanu. 1,776,753; Sept. 23.
- Oils, Manufacture of lubricating. E. C. Herthel and H. L. Pelzer. 1,756,153; Apr. 29.
- Oils, Manufacture of useful products from mineral. W. G. Leamon. 1,769,790; July 1.
- Oils, Method and apparatus for processing heavy. A. J. Slagter. 1,757,596; May 6.
- Oils, Method of and apparatus for treating hydrocarbon. J. W. Coast, jr., and G. T. Granger. 1,786,053; Dec. 23.
- Oils, mineral oils, and the like, Bleaching fatty. H. Bollmann. 1,754,599; Apr. 15.
- Oils of internal-combustion engines, Process of and apparatus for the continuous refining of lubricating. F. W. Manning. Re17,644; Apr. 15.
- Oils, Preservation of. W. G. Christiansen, F. R. Chappell, and A. E. Briod. 1,745,604; Feb. 4.
- Oils, Process and apparatus for dewaxing. E. F. Burch. 1,782,028; Nov. 18.
- Oils, Process and apparatus for treating. C. P. Dubbs. 1,783,229; Dec. 2.
- Oils, Process and apparatus for treating. G. Egloff and H. P. Benner. 1,767,839; June 24.
- Oils, Process and apparatus for treating and purifying hydrocarbon. L. C. Huff. 1,751,862; Mar. 25.
- Oils, Process of and apparatus for distilling and cracking hydrocarbon. D. E. Day. 1,764,391; June 17.
- Oils, Process of and apparatus for polymerizing. S. P. Miller. 1,752,921; Apr. 1.
- Oils, Process of and apparatus for treating. W. G. Leamon. 1,769,788; July 1.
- Oils, Producing lubricating. W. T. Bryant. 1,769,766; July 1.
- Oils, Producing stable hydrocarbon. B. T. Brooks. 1,748,507; Feb. 25.
- Oils, Purification of hydrocarbon. H. G. M. Fischer. 1,767,356; June 24.
- Oils, Purification of hydrocarbon. E. B. Hunn. 1,786,246; Dec. 23.
- Oils, Purification of used insulating. J. G. Ford. 1,746,641; Feb. 11.
- Oils, Purification of vegetable. J. C. Hebden. 1,745,367; Feb. 4.
- Oils, Purifying hydrocarbon. J. Tausz. 1,772,921; Aug. 12.
- Oils, Reclamation of lubricating. L. D. Grisbaum. 1,777,722; Oct. 7.
- Oils, Refining. L. C. Huff. 1,756,026; Apr. 29.
- Oils, Refining edible. R. B. Hill. 1,749,976; Mar. 11.
- Oils, Refining hydrocarbon. E. W. Gard, B. G. Aldridge, H. J. Multer, and R. T. Howes. 1,759,744; May 20.
- Oils, Refining hydrocarbon. E. C. Herthel and H. L. Pelzer. 1,756,154; Apr. 29.
- Oils, Refining hydrocarbon. E. C. Herthel, H. L. Pelzer, and J. G. Stafford. 1,756,155; Apr. 29.
- Oils, Refining hydrocarbon. E. C. Herthel and H. L. Pelzer. 1,756,156; Apr. 29.
- Oils, Refining hydrocarbon. A. S. Ramage. 1,771,350; July 22.
- Oils, Refining wood-spirit. W. Querfurth. 1,759,369; May 20.
- Oils, Regeneration of lubricating. H. Bensmann. 1,787,353; Dec. 30.
- Oils, Regeneration or purification of lubricating. H. J. Young. 1,752,050; Mar. 25.
- Oils, Splitting up of mineral. M. Melamid. 1,779,486; Oct. 28.
- Oils, Spray. W. J. Yates. 1,778,240; Oct. 14.
- Oils, Storage of. T. S. Cooke and J. E. Rouse. 1,783,701; Dec. 2.
- Oils through pipe lines, Enhancing the flow of. A. H. Ackerman. 1,754,296; Apr. 15.
- Oils to improve the same, Treating. W. G. Leamon. 1,769,793; July 1.
- Oils, Treating. W. G. Leamon. 1,769,791; July 1.
- Oils, Treating. W. G. Leamon. 1,769,794-5; July 1.
- Oils, Treating heavy hydrocarbon. A. A. F. M. Seigle. 1,779,829; Oct. 28.
- Oils, Treating hydrocarbon. J. B. Weaver. Re17,681; May 27.
- Oils, Treating hydrocarbon. W. S. Hadaway, jr. 1,776,023; Sept. 16.
- Oils, Treating hydrocarbon. J. B. Weaver, R. Stahl, and C. R. Wagner. 1,763,609; June 10.
- Oils, Treating mineral and naphtha. G. Petroff. 1,766,305; June 24.
- Oils, Treating petroleum. W. M. Cross. 1,785,073; Dec. 16.
- Oils, Treating vulcanized. A. F. Owen. 1,753,018; Apr. 1.
- Oils, Vacuum distillation of hydrocarbon. H. C. Wiess. 1,786,639; Dec. 30.
- Oils with finely-divided solid material, Treating. N. E. Loomis. 1,753,171; Apr. 1.
- Oily emulsions, Separating. G. W. Coggeshell and A. Reilly. 1,742,648; Jan. 7.
- Oleaginous liquids under vacuum, Autonomous apparatus for neutralizing and bleaching heated. E. Bataille. 1,748,274; Feb. 25.
- Oleaginous material, Apparatus for treating. J. Davidson. 1,782,714; Nov. 25.
- Olefines, Manufacture of. R. Engelhardt and W. Lommel. 1,770,734; July 15.
- Omelet pan. C. R. White. 1,745,592; Feb. 4.
- One-apron drier. F. L. Furbush. 1,750,839; Mar. 18.
- 1-benzoylamino-4-chloroanthraquinone, Producing. W. Hartmann. 1,772,311; Aug. 5.
- 1,4,5,8-naphthalene tetracarboxylic acid and preparing it, Derivatives of. W. Eckert and H. Greune. 1,765,662; June 24.
- 1-hydroxylamino-8-sulpho-anthraquinone. A. Shepherdson and A. J. Hailwood. 1,767,230; June 24.
- 1-phenyl benzanthrone compounds, Producing. W. Trautner, B. Stein, and R. Berliner. 1,749,519; Mar. 4.
- One-piece box. C. S. Andrews. 1,787,030; Dec. 30.
- 1- ω -aminomethyl-naphthalene sulphonic acids. W. Herzberg and H. Lanze. 1,785,955; Dec. 23.
- Onion cutter. A. Felardo. 1,755,351; Apr. 22.
- Onion topper. W. E. Urschel. 1,744,251; Jan. 21.
- Opacifier for enamels. T. H. McKeown. 1,783,738-40; Dec. 2.
- Open-hearth furnace. G. L. Danforth, jr. 1,769,492; July 1.
- Open-hearth furnace. G. L. Danforth, jr. 1,769,494; July 1.
- Open-hearth furnace. R. S. A. Dougherty. 1,769,826; July 1.
- Open-hearth furnace. W. Gast. 1,756,484; Apr. 29.
- Open-hearth furnace. A. T. Keller. 1,769,842-3; July 1.
- Open-hearth furnace. T. T. McEntee. 1,775,367; Sept. 9.
- Open-hearth furnace. S. Naismith. 1,778,505; Oct. 14.
- Open-hearth furnace. B. P. Wheeler. 1,769,362; July 1.
- Open-hearth-furnace port. G. L. Danforth, jr. 1,769,678; July 1.
- Open-hearth-port design. G. L. Danforth, jr. 1,769,366; July 1.
- Opener, Bottle. L. G. Gray. 1,746,393; Feb. 11.
- Opener, Bottle. J. A. Hoegger. 1,763,849; June 17.
- Opener, Can. A. W. Peterson. 1,744,573; Jan. 21.
- Opener, Drain. M. B. Smith. 1,743,065; Jan. 7.
- Opener, Wall bottle. J. A. Hoegger. 1,763,848; June 17.
- Opening and preparing artificial staple fiber for spinning. M. F. Thoma. 1,785,823; Dec. 23.

- Opening and sealing device for cartons. W. G. Bosworth. 1,772,454; Aug. 12.
- Opening containers such as boxes, tins, or the like, Device for. B. Polak. 1,762,076; June 3.
- Opera chair. G. H. Davis. 1,748,211; Feb. 25.
- Operating and counterbalancing mechanism for oscillating tumblers of fish-canning machines. O. C. W. Marks. 1,775,289; Sept. 9.
- Operating mechanism. H. E. Ginther. 1,762,120; June 3.
- Operating mechanism. A. H. Stebbins. 1,759,875; May 27.
- Operating table. J. Fitting, jr. 1,746,035; Feb. 4.
- Ophthalmic lenses. W. B. Rayton. 1,745,641; Feb. 4.
- Ophthalmic mounting. N. M. Baker. 1,779,155; Oct. 21.
- Ophthalmic mounting. E. J. R. Beattey. 1,750,987; Mar. 18.
- Ophthalmic mounting. E. J. R. Beattey. 1,764,495; June 17.
- Ophthalmic mounting. F. R. Bishop. 1,761,252; June 3.
- Ophthalmic mounting. S. E. Bouchard. 1,785,929; Dec. 23.
- Ophthalmic mounting. G. H. Day. 1,750,630; Mar. 18.
- Ophthalmic mounting. E. R. Durgin. 1,748,281; Feb. 25.
- Ophthalmic mounting. G. F. Marciano. 1,765,732; June 24.
- Ophthalmic mounting. G. F. Marciano. 1,781,760; Nov. 18.
- Ophthalmic mounting. R. R. McCoy. Des. 82,512; Nov. 11.
- Ophthalmic mounting. F. C. Merry. Des. 81,298; June 3.
- Ophthalmic mounting. J. N. Nelson. Des. 81,397; June 17.
- Ophthalmic mounting. J. N. Nelson. 1,743,796; Jan. 14.
- Ophthalmic mounting. J. N. Nelson. 1,745,227; Jan. 28.
- Ophthalmic mounting. J. N. Nelson. 1,750,963; Mar. 18.
- Ophthalmic mounting. J. N. Nelson. 1,767,807; June 24.
- Ophthalmic mounting. W. R. Olsen. 1,750,685; Mar. 18.
- Ophthalmic mounting. H. Roth. 1,748,245; Feb. 25.
- Ophthalmic mounting. E. L. Schumacher. 1,786,580; Dec. 30.
- Ophthalmic mounting. J. A. Sweeney. 1,779,265; Oct. 21.
- Ophthalmic mounting. J. I. Twombly. 1,778,436; Oct. 14.
- Ophthalmic mounting. J. C. Wells and E. L. Schumacher. 1,779,789; Oct. 28.
- Ophthalmic mounting and making the same. F. R. Bishop. 1,765,123; June 17.
- Ophthalmic mounting and method. F. A. Stevens. 1,754,840; Apr. 15.
- Ophthalmic mounting, End piece for an. N. M. Baker. Des. 82,473-4; Nov. 11.
- Ophthalmic mounting, Guard for an. N. M. Baker. Des. 82,651; Dec. 2.
- Ophthalmic mountings, Link bridge for. H. H. Styll. 1,784,916; Dec. 16.
- Ophthalmic mountings, Making. L. O. Gagnon. 1,755,292; Apr. 22.
- Ophthalmic table. G. A. Gallowitz. 1,756,024; Apr. 29.
- Ophthalmometer. G. A. H. Kellner and W. B. Rayton. 1,750,931; Mar. 18.
- Ophthalmoscope and retinoscope, Combined luminous. C. H. Keeler. 1,774,832; Sept. 2.
- Ophthalmoscope and slit lamp, Combined. A. E. Turville and D. S. Stewart. 1,776,960; Sept. 30.
- Optical apparatus. A. S. Cameron. 1,780,291; Nov. 4.
- Optical apparatus for projecting illuminated signs upon screens. C. E. Randall and L. R. Thompson. 1,750,785; Mar. 18.
- Optical appliance for advertisement and other purposes. T. Brown. 1,746,188; Feb. 4.
- Optical device. B. Moses. 1,758,801; May 13.
- Optical device for photographic, cinematographic, and other purposes. J. F. Romer. 1,765,882; June 24.
- Optical device for radio cinematographic transmitters and receivers. L. Thurm. 1,780,572; Nov. 4.
- Optical equipment of photographic cameras. D. H. Stewart. 1,762,938; June 10.
- Optical exerciser. M. D. Yetta. 1,770,448; July 15.
- Optical glass. M. R. Scott. 1,765,287; June 17.
- Optical instrument. W. J. Cameron. 1,783,461; Dec. 2.
- Optical instrument. J. J. Kennebeck. 1,769,295; July 1.
- Optical measuring instrument. A. C. Hardy. 1,780,231; Nov. 4.
- Optical instrument, Diagnostic. J. E. Reid. 1,755,705; Apr. 22.
- Optical printer. F. H. Owens. 1,752,753; Apr. 1.
- Optical printer. F. H. Owens. 1,786,220; Dec. 23.
- Optical projecting instrument. H. Newman. 1,779,635; Oct. 28.
- Optical projection apparatus. H. N. Ott. 1,771,509; July 29.
- Optical protection of electrical apparatus. M. Buchholz. 1,774,961; Sept. 2.
- Optical pyrometer. C. E. Foster. 1,771,533; July 29.
- Optical system. N. H. Cox. 1,778,754; Oct. 21.
- Optical system for polaristobometers. R. Richter. 1,775,916; Sept. 16.
- Optical system for reproducing sound records. F. H. Owens. 1,786,025; Dec. 23.
- Optical system for use in photographic color processes. C. W. Frederick. 1,749,278; Mar. 4.
- Optical system of motion-picture-projection machines. A. Dina. 1,773,575; Aug. 19.
- Optical testing apparatus and method. H. Clement. 1,775,987; Sept. 16.
- Orchard heater. L. C. Huff. 1,767,670; June 24.
- Orchard protective system. J. D. R. De Land. 1,749,068; Mar. 4.
- Orchestra device, One-man. F. Wanek. 1,749,862; Mar. 11.
- Orchestra, One-man. P. T. F. Cenci. 1,774,744; Sept. 2.
- Order indicator. W. H. Harstick. 1,776,433; Sept. 23.
- Order indicator, Dairy-product. E. C. Fulkerson. 1,776,553; Sept. 23.
- Ordinance. G. M. Barnes. 1,745,468; Feb. 4.
- Ordinance. G. M. Barnes. 1,772,507; Aug. 12.
- Ordinance. G. M. Barnes and G. M. McCann. 1,748,272; Feb. 25.
- Ordinance. C. Bittinger. 1,769,012; July 1.
- Ordinance, Combined projectile and breech block for. N. E. Methlin. 1,757,675; May 6.
- Ore and converting hydrocarbons, Reducing. W. H. Smith. 1,785,428; Dec. 16.
- Ore and other material, Apparatus for disintegrating. H. Hardinge. 1,780,915; Nov. 11.
- Ore and similar material, Apparatus for stacking. G. D. Moody. 1,782,996; Nov. 25.
- Ore classifier. T. A. Dickson. 1,785,302; Dec. 16.
- Ore-concentrating table. F. C. Dyer. 1,781,810; Nov. 18.
- Ore concentrator. R. C. Fehely and R. F. Stevenson. 1,760,590; May 27.
- Ore concentrator. R. C. Fehely and R. F. Stevenson. 1,762,265; June 10.
- Ore concentrator, Dry. J. P. Newman and V. Thomas. 1,757,810; May 6.
- Ore flotation process and reagent. I. H. Derby and O. D. Cunningham. 1,765,302; June 17.
- Ore furnace. C. T. Knight. 1,764,313; June 17.
- Ore-reducing and hydrocarbon-refining apparatus, Combined. W. H. Smith. 1,785,427; Dec. 16.
- Ore-reduction furnace. J. M. Smith. 1,747,740; Feb. 18.
- Ore-roasting furnace, Mechanical. J. Harris. 1,758,154; May 13.
- Ore-treating apparatus. O. L. Walton. 1,774,686; Sept. 2.
- Ore, Treating arsenious. A. R. Lindblad. 1,763,435; June 10.
- Ores and metallurgical products, slags, and the like, Treating. F. Johannsen. 1,754,170; Apr. 8.
- Ores and metallurgical products, Working up complex. F. Johannsen. 1,762,867; June 10.
- Ores and minerals, Roasting. M. F. Coolbaugh and J. B. Read. 1,744,867; Jan. 28.
- Ores and other substances, Apparatus for high-temperature treatment of. M. Fourment. 1,786,202; Dec. 23.
- Ores and recovering by-products therefrom, Process of and apparatus for smelting. F. T. Snyder. 1,755,845; Apr. 22.
- Ores and the like, Apparatus for the roasting or sintering of. G. E. Storer. 1,778,872; Oct. 21.
- Ores and the like, Roasting of. F. L. Wilder, E. Morris, E. Schiff, and E. S. King. 1,769,405; July 1.
- Ores and the like, Treating manganese. G. N. Libby and G. D. Knight. 1,770,791; July 15.
- Ores, Apparatus for reducing. G. S. Howell. 1,747,716; Feb. 18.
- Ores by flotation, Concentration of. E. K. Bolton. 1,780,000; Oct. 28.
- Ores by the aid of gases, Extracting useful elements from their. B. Hofseth. 1,759,456; May 20.
- Ores by use of gas, Apparatus for leaching and washing. A. B. Stevens. 1,783,591; Dec. 2.
- Ores, Concentration of. B. L. Johnson. 1,763,851; June 17.
- Ores, Concentration of. C. G. Quigley. 1,773,787; Aug. 26.
- Ores, Concentration of. G. H. Wigton. 1,783,206-7; Dec. 2.
- Ores, Device for conditioning. J. P. Ruth, jr. 1,755,273; Apr. 22.
- Ores, Device for separating and concentrating. A. W. McTaggart. 1,744,785; Jan. 28.
- Ores, Low-temperature reduction of iron. E. D. Newkirk and A. J. Briggs. 1,760,078; May 27.
- Ores, mattes, and the like, Treatment of lead-zinc sulphide. E. A. Ashcroft. 1,748,748; Feb. 25.
- Ores, Method and apparatus for treating. J. M. Callow. 1,774,786; Sept. 2.
- Ores of reducible oxides, Reduction of. T. F. Baily. 1,775,713; Sept. 16.
- Ores of lead, silver, and copper, Concentration of oxidized. E. H. Snyder and W. D. Green. 1,762,364; June 10.
- Ores or analogous materials, Treating. F. S. Mulock. 1,745,945; Feb. 4.
- Ores, oxides, and the like, Reduction of. H. E. Coley. 1,777,993; Oct. 7.
- Ores, Reducing. H. Wittek. 1,787,348; Dec. 30.
- Ores, Reduction of. F. L. Duffield. 1,779,411; Oct. 28.
- Ores, Selective agent for concentrating. R. Luckenbach. 1,780,024; Oct. 28.
- Ores, Treating. T. P. Holt. 1,775,767; Sept. 16.
- Ores, Treating manganese. J. H. Brennan. 1,768,112; June 24.
- Ores, Treating refractory auriferous. C. L. Votaw and C. A. Andrews. 1,766,767; June 24.
- Ores, Two-stage method of chlorinating. T. A. Mitchell. 1,773,235; Aug. 19.
- Organ. D. Marr. 1,762,274; June 10.
- Organ, Automatic pipe. L. B. Doman. 1,771,457; July 29.
- Organ, Jazz. K. Stieglmayer. 1,780,543; Nov. 4.
- Organ, Mouth. J. Hohner. 1,783,173; Dec. 2.
- Organ, Pipe. W. R. Dorr. 1,779,665; Oct. 28.

- Organ, Pipe. M. Hess. 1,764,682; June 17.
 Organ-stop action. E. Verlinden. 1,784,951; Dec. 16.
 Organ-stop action, Combination. S. Casavant, J. Hevey, and A. Letiecq. 1,760,813; May 27.
 Organ valve unit. G. E. La Marche. 1,747,370; Feb. 18.
 Organs, Combination stop action for. M. Hess and A. N. Boehm. 1,770,752; July 15.
 Organs, Magnetic action for pipe. H. F. Waters and V. R. Brown. 1,753,323; Apr. 8.
 Organs, Sostenuto device for. C. N. Deverall. 1,769,369; July 1.
 Organic compounds, Catalytic oxidation of. A. Wohl. 1,787,416-17; Dec. 30.
 Organic compounds containing oxygen, Production of. P. Herold and H. Langheinrich. 1,743,214; Jan. 14.
 Organic compounds containing oxygen, Production of. G. Patart. 1,770,165; July 8.
 Organic compounds, Manufacture of valuable. A. Mit-tasch and W. Frankenburger. 1,766,718; June 24.
 Organic material and producing the same, Porous. E. C. Bayer. 1,777,247; Sept. 30.
 Organic mercury compounds, Producing. M. Engelmann. 1,748,331; Feb. 25.
 Organic substances in liquid state electrochemically, Treating. C. Longhi. 1,744,173; Jan. 21.
 Ornament, Automobile radiator. C. L. Hawes. 1,757,567; May 6.
 Ornament, Automobile radiator. C. L. Hawes. 1,774,919; Sept. 2.
 Ornament, Automobile radiator. J. W. Hession, jr. Des. 82,219; Oct. 7.
 Ornament, Automobile radiator. L. Marx. 1,771,265; July 22.
 Ornament, Automobile radiator-cap. S. H. Waddingham. Des. 81,080; Apr. 29.
 Ornament, Bag. C. H. Lawrence. Des. 81,097; May 6.
 Ornament device, Hair-. A. E. Stephen. 1,763,935; June 17.
 Ornament for Christmas-tree, Garden. A. B. Scheibner. 1,773,824; Aug. 26.
 Ornament for drapery rods or the like, Center. W. E. Smith. Des. 81,211; May 20.
 Ornament for drapery rods or the like, Center. W. E. Smith. Des. 81,353; June 10.
 Ornament for drapery rods or the like, Center. W. E. Smith. Des. 81,814; Aug. 12.
 Ornament for drapery rods or the like, End. W. E. Smith. Des. 81,212; May 20.
 Ornament for drapery rods or the like, End. W. E. Smith. Des. 81,354; June 10.
 Ornament for lighting fixtures or similar articles, Corner. O. Hoffmann. Des. 80,838; Apr. 1.
 Ornament, Mechanical radiator. C. L. Hawes. 1,784,988; Dec. 16.
 Ornament or article of similar nature, Lighting-fixture. F. W. Roettges. Des. 81,663; July 22.
 Ornament or article of similar nature, Lighting fixture. F. W. Roettges. Des. 82,283; Oct. 14.
 Ornament or similar article, Radiator-cap. G. R. De Vall. Des. 81,530; July 8.
 Ornament or similar article, Shoe. E. T. Dugan. Des. 82,546; Nov. 18.
 Ornament, parking-light holder, and fender support, Com-bined radiator. J. Schulman. Des. 82,395; Oct. 28.
 Ornament, shoe. P. F. Ashton. Des. 82,013-14; Sept. 16.
 Ornament, Shoe. H. A. Dalrymple. Des. 81,229; May 27.
 Ornament, Shoe. C. G. King. Des. 82,433; Nov. 4.
 Ornament, Shoe. A. R. Pascucci. Des. 82,899-901; Dec. 23.
 Ornament, Shoe. O. R. Recchia. Des. 82,759; Dec. 9.
 Ornament, Shoe. O. R. Recchia. Des. 82,905; Dec. 23.
 Ornament, Shoe. S. M. Riker. Des. 81,149-51; May 13.
 Ornament, Shoe. S. M. Riker. Des. 81,258; May 27.
 Ornament, Shoe. S. M. Riker. Des. 81,404-6; June 17.
 Ornament, Shoe. S. M. Riker. Des. 82,698; Dec. 2.
 Ornament, Shoe. S. M. Riker. Des. 82,847; Dec. 16.
 Ornament, Shoe. W. E. Smith. Des. 81,415-16; June 17.
 Ornament, Shoe. W. E. Smith. Des. 81,418; June 17.
 Ornament, Shoe. W. E. Smith. Des. 82,456; Nov. 4.
 Ornament, Shoe. W. E. Smith. Des. 82,527; Nov. 11.
 Ornamental coating or film and making same. A. Y. Pearl. 1,775,691; Sept. 16.
 Ornamental device. E. I. Dauer. 1,783,223; Dec. 2.
 Ornamental device. L. B. Manson. 1,772,357; Aug. 5.
 Ornamental device for automobile radiators. F. J. Budde. 1,755,630; Apr. 22.
 Ornamental effects in architectural structures, Producing illusory. R. M. Sutphen. 1,786,789; Dec. 30.
 Ornamental object, Illuminated. E. B. Wilson. 1,784,474; Dec. 9.
 Ornamental treatment of wood. E. Schmid. 1,758,336; May 13.
 Ornamentation, Glass. E. Zuckerberg. 1,785,401; Dec. 16.
 Ornamentation of dolls. S. Silver and E. Kimmig. 1,770,147; July 8.
 Ornamentation process and apparatus therefor. J. B. Campbell. 1,766,878; June 24.
 Ornamentation, Surface. J. J. Weber. Re17,654; Apr. 29.
 Ornamented screen. M. F. Fitz Gerald. 1,764,898; June 17.
 Ornamenting device and making the same. J. Hazman. 1,781,687; Nov. 18.
 Ornamenting device and making the same. A. Weiner. 1,771,278; July 22.
 Ornamenting surfaces. C. J. O'Neil. 1,784,495; Dec. 9.
 Ornithopter. G. R. White. 1,783,029; Nov. 25.
 Ortho-amino-arylmecaptanes, Manufacturing. R. Herz and M. Schubert. 1,784,441; Dec. 9.
 Ortho-cyanarylsulphocyanogen compounds and making same. R. Herz and M. Schubert. 1,766,820; June 24.
 Orthodontic appliance. J. M. Craigo. 1,764,067; June 17.
 Orthopedic appliance. E. Fischer. 1,768,898; July 1.
 Orthodontic-appliance adjuster. J. A. Linde. 1,773,588; Aug. 19.
 Orthopedic appliance. I. Buckner. 1,785,376; Dec. 16.
 Oscillating air engine. N. Koehn. 1,769,372; July 1.
 Oscillating engine. J. Bergesen, sr. 1,756,017; Apr. 29.
 Oscillating joint. L. Thiry. 1,782,770; Nov. 25.
 Oscillating motor. S. M. Pankey. 1,757,210; May 6.
 Oscillating washer. D. Bell. 1,763,644; June 17.
 Oscillation-damping device free from radiation for elec-tric lines. J. W. Hofmann. 1,766,995; June 24.
 Oscillation generator. I. F. Byrnes. 1,771,375; July 22.
 Oscillation generator. R. B. Dome. 1,776,149; Sept. 16.
 Oscillation generator. W. H. Edwards. 1,775,752; Sept. 16.
 Oscillation generator. E. I. Green. 1,780,229; Nov. 4.
 Oscillation generator. W. A. Marrison. 1,785,036; Dec. 16.
 Oscillation generator. R. S. Ohl. 1,756,130; Apr. 29.
 Oscillation generator. G. Von Arco. 1,773,556; Aug. 19.
 Oscillation generator, High-frequency-. R. S. Ohl. 1,756,131-2; Apr. 29.
 Oscillation generator, Piezo-electric. J. M. Miller. 1,756,000; Apr. 22.
 Oscillation generator, Piezo-electric crystal-controlled. H. Eberhard. 1,761,882; June 3.
 Oscillations, Apparatus for amplifying electric. L. M. Hull. 1,760,872; June 3.
 Oscillations, Receiver for undamped. F. Michelssen. 1,757,325; May 6.
 Oscillator of constant-frequency value, Mechanical. A. Karolus. 1,763,853; June 17.
 Oscillator, Piezo-electric. R. S. Ohl. 1,783,130; Nov. 25.
 Oscillator, Polyphase. H. Benioff. 1,757,354; May 6.
 Oscillograph. O. Ackermann. 1,779,794; Oct. 28.
 Oscillograph. F. E. Terman. 1,784,119; Dec. 9.
 Oscillograph galvanometer. J. W. Legg. 1,763,242; June 10.
 Oscillograph galvanometer. L. T. Robinson. 1,742,970; Jan. 7.
 Oscillographs, Reflecting element for. F. Holweck. 1,777,308; Oct. 7.
 Otoscope. E. S. Platon. 1,775,140; Sept. 9.
 Otto-cycle engine, Solid-injection. E. R. Hewitt. 1,757,246; May 6.
 Outage rule. H. H. Hoëvel. 1,742,595; Jan. 7.
 Outboard motor. W. F. A. Buehner. 1,762,957; June 10.
 Outlet box. F. B. Adam. 1,752,322; Apr. 1.
 Outlet box. J. A. Adell. 1,748,693; Feb. 25.
 Outlet box. W. B. Greene. 1,778,151; Oct. 14.
 Outlet box, Combination. E. Walter. 1,753,100; Apr. 1.
 Outlet construction. R. M. Callaway. 1,785,766; Dec. 23.
 Outlet device, Electrical. H. E. Slade. 1,756,704; Apr. 29.
 Outlet for baseboard raceways. P. H. Lacey. 1,755,545; Apr. 22.
 Outlet for fixtures, Convenience. D. N. Thompson. 1,760,570; May 27.
 Outlet for generator leads. D. S. Barrows. 1,772,275; Aug. 5.
 Outlet or junction box. O. C. Hoffman. 1,772,313; Aug. 5.
 Outlet or junction box. J. G. Knight. 1,761,398; June 3.
 Outlet or junction box. J. G. Knight. 1,771,225; July 22.
 Outlet or junction box or the like. J. G. Knight. 1,763,160; June 10.
 Outlets, Apparatus for forming. W. J. Cook. 1,765,404; June 24.
 Outlets, Forming. C. T. Siebs. 1,765,459; June 24.
 Outlining implement for surface ornamenting processes. J. L. Litomy. 1,754,330; Apr. 15.
 Outsoles, Forming. J. A. Parker. 1,777,502; Oct. 7.
 Oven. R. Burt. 1,785,763; Dec. 23.
 Oven. R. E. Cramer. 1,763,418; June 10.
 Oven. H. A. Drefflein. 1,779,622; Oct. 28.
 Oven. E. O. Engels. 1,752,158; Mar. 25.
 Oven. V. A. Fox. 1,761,472; June 3.
 Oven. H. F. Maurel. 1,750,721; Mar. 18.
 Oven. E. Moss. 1,776,475; Sept. 23.
 Oven. A. J. Reedy. 1,776,929; Sept. 30.
 Oven. R. Sadwith. 1,771,145; July 22.
 Oven. H. L. Ward. 1,744,817; Jan. 28.
 Oven and carrier for the treatment of bottles, Combined. M. P. Wetmore. 1,774,161; Aug. 26.
 Oven and other furnace, Coking. C. R. Bellamy. 1,772,413; Aug. 5.
 Oven arrangement, Leer-. D. H. Goodwillie. 1,742,652; Jan. 7.
 Oven, Bake. H. A. Bodge and J. C. Emley. 1,753,914; Apr. 8.
 Oven, Bake. J. Faulds. 1,771,885; July 29.
 Oven, Baking. R. L. Corby and G. R. Fennema. 1,779,962-3; Oct. 28.
 Oven, Baking. I. Elliott. 1,768,752; July 1.
 Oven, Baking. L. D. Houlis. 1,774,651; Sept. 2.
 Oven, Baking. C. A. Wyman. 1,786,142; Dec. 23.
 Oven, Briquet. T. Nagel. 1,782,244; Nov. 18.
 Oven, Coke. E. Coppée. 1,775,191-2; Sept. 9.
 Oven, Coke. E. Lecocq. 1,761,835; June 3.

- Oven, Coke. C. Otto. 1,748,142; Feb. 25.
 Oven, Coke. C. Otto. 1,760,770; May 27.
 Oven, Coke. H. Petsch. 1,772,429; Aug. 5.
 Oven, Coke. H. Schröder. 1,770,998; July 22.
 Oven, Coking. A. Beckers. 1,780,992; Nov. 11.
 Oven, Coking retort. J. Becker. 1,755,381-3; Apr. 22.
 Oven, Coking retort. J. Becker. 1,756,235; Apr. 29.
 Oven, Coking retort. J. Becker. 1,764,065; June 17.
 Oven, Coking retort. J. Becker. 1,764,496-7; June 17.
 Oven, Coking retort. J. Becker and J. Van Ackeren. 1,752,363; Apr. 1.
 Oven, Coking retort. J. Becker. 1,784,414; Dec. 9.
 Oven, Coking retort. J. van Ackeren. 1,754,131; Apr. 8.
 Oven, Coking retort. J. van Ackeren. 1,780,803; Nov. 4.
 Oven, Combination toasting and shredding. J. L. Kellogg. 1,783,434; Dec. 2.
 Oven construction. W. G. Miller. 1,780,269; Nov. 4.
 Oven construction, Electric. F. W. Rogers. 1,784,753; Dec. 9.
 Oven, Continuous cube-drying. L. L. Edmunds. 1,770,102; July 8.
 Oven, Domestic baking. V. Allen. 1,762,540; June 10.
 Oven doors, Balance for. J. W. Hearl. 1,759,696; May 20.
 Oven, Double-deck. V. A. Fox. 1,746,645; Feb. 11.
 Oven, Drop-door. E. A. Chandler and J. H. McCann. 1,785,514; Dec. 16.
 Oven-feeding apparatus, Bake-. A. W. Brandeen and L. H. Dion. 1,769,201; July 1.
 Oven-front structure and attaching means. F. A. Gericich. 1,775,936; Sept. 16.
 Oven gas connection, Coke-. O. E. Klockman. 1,775,494; Sept. 9.
 Oven, Gas-producing. C. Otto. 1,770,285; July 8.
 Oven heating and circulating system. B. S. Harrison. 1,752,483; Apr. 1.
 Oven, Japanning. J. A. Seede. 1,752,857; Apr. 1.
 Oven lining. W. J. Laffrey. 1,770,930; July 22.
 Oven of the direct-flame continuous-tunnel type. J. Williamson. 1,775,302; Sept. 9.
 Oven, Portable. C. E. Adamson. 1,759,773; May 20.
 Oven, Recuperative coking retort. J. van Ackeren. 1,758,544; May 13.
 Oven, Revolving-ring-hearth. L. Honigmann and F. Bartling. 1,771,756; July 29.
 Oven, Rotary hearth. F. Bartling. 1,765,196; June 17.
 Oven structure. A. E. Grapp. 1,785,079; Dec. 16.
 Oven structure for electric ranges. G. E. Pickup. 1,784,201; Dec. 9.
 Oven, Traveling tray. R. Thurm and E. O. Engels. 1,771,020; July 22.
 Oven unit, Drying-. John D. Elder. 1,771,032; July 22.
 Oven ventilator. A. E. Whittier. 1,757,987; May 13.
 Oven, Vertical coking-retort. J. van Ackeren. 1,769,810; July 1.
 Oven-wall structure, Coke-. F. Totzek. 1,782,638; Nov. 25.
 Oven, Zoned baking. L. D. Houllis. 1,777,885; Oct. 7.
 Ovens, Arrangement for heating coke. A. Ott. 1,748,187; Feb. 25.
 Ovens, Charging coke. J. van Ackeren. 1,785,750; Dec. 23.
 Ovens, Feeding apparatus for bakers'. C. B. Comstock. 1,764,550; June 17.
 Ovens, Feeding mechanism for continuous baking. F. P. Nistle. Re17,723; July 8.
 Ovens for fuel briquettes, Apparatus for charging and discharging carbonizing. C. V. McIntire. 1,772,054; Aug. 5.
 Ovens, Heat control for bake. A. Oberheim. 1,756,604; Apr. 29.
 Ovens, Supporting carriage for range broiling. A. Stockstrom. 1,748,854; Feb. 25.
 Ovens, Traveling conveyer for. L. S. Harber. 1,758,397; May 13.
 Ovens, Tunnel nozzle for rectangular coke. A. S. Knowles. 1,745,996; Feb. 4.
 Overall. E. O. Fellroth. 1,785,580; Dec. 16.
 Overall suit. G. L. Fishback and R. Y. MacIntyre. 1,744,695; Jan. 21.
 Overalls. J. Herskowitz. 1,783,538; Dec. 2.
 Overalls. J. A. Modesitt. 1,777,620; Oct. 7.
 Overalls, Waterproof. M. Reingold. 1,765,096; June 17.
 Overalls with detachable pockets. W. E. Watkins. 1,764,483; June 17.
 Overgarment. E. O. Fellroth. 1,785,581; Dec. 16.
 Overhead conveyer. R. H. Thompson. 1,759,378; May 20.
 Overshoe. W. MacPherson and E. W. Dunbar. 1,750,179; Mar. 11.
 Overshoe. K. L. Valentine and G. Ramsey. 1,771,726; July 29.
 Overshoe. G. L. Van Dinter. Des. 82,296; Oct. 14.
 Overshoe and making the same. E. W. Dunbar. 1,750,165; Mar. 11.
 Overshoe, Nonskid. C. C. Pearson and E. M. McLellan. 1,768,370; June 24.
 Overshoe skid. J. S. Capen. 1,755,348; Apr. 22.
 Overshot. H. E. Marshall. 1,767,149; June 24.
 Overshot. J. C. Stokes. 1,771,066; July 22.
 Overshot. F. and A. L. Stone. 1,785,152; Dec. 16.
 Oxidation inhibitor. R. S. Dean. 1,764,609; June 17.
 Oxidation products of high molecular hydrocarbons, Bleaching and deodorizing. H. Franzen and M. Luther. 1,757,455; May 6.
 Oxide cathode. J. Bruijnes. J. van der Hoeven, and E. Oosterhuis. 1,777,253; Sept. 30.
 Oxide ores, Reduction of. W. E. Trent. 1,771,972; July 29.
 Oxide, Producing titanium. R. M. Palmer. 1,760,992; June 3.
 Oxide, Purification of aluminous. J. S. Masin. 1,777,570; Oct. 7.
 Oxides of metals by hydrolysis, Production of amphoteric hydrated. R. H. Monk. 1,755,512; Apr. 22.
 Oxides without melting, Method of and apparatus for reducing metallic. W. H. Smith. 1,759,173; May 20.
 Oxidic coatings on magnesium and magnesium alloys, Production of dark. B. Jirotko. 1,747,776; Feb. 18.
 Oxidizing method. Ammonia. I. Hechenbleikner and N. Titlestad. 1,748,646; Feb. 25.
 Oxychloride and thionyl chloride, Manufacture of phosphorus. G. J. Schudel. 1,753,754; Apr. 8.
 Oxychloride cement, Preparing an. J. U. A. Ohlsen. 1,752,194; Mar. 25.
 Oxygen and nitrogen, Production of. G. Cicali. 1,772,856; Aug. 12.
 Oxygen chamber. J. F. Hanrahan. 1,744,890; Jan. 28.
 Oxygen preparations, Making. W. Zisch. 1,745,465; Feb. 4.
 Oxygen-producing plant, Liquid-air. O. Simonis. 1,757,022; May 6.
 Oxygen regulator. J. E. Eshbaugh. 1,779,840; Oct. 28.
 Oxy salts of arsenic, antimony, and tin, Treating mixtures of. M. F. Perkins, C. W. Hanson, and B. M. O'Harra. 1,756,007; Apr. 22.
 Oxy salts from alkali mixtures containing same, Separation of. H. Harris. 1,775,676; Sept. 16.
 Ozone apparatus. T. W. W. Forrest. 1,743,202; Jan. 14.
 Ozone-producing device. D. W. Davis and T. M. Hardy. 1,768,891; July 1.
 Ozonizing apparatus. W. J. Smith. Des. 81,815; Aug. 12.
 Ozonizing apparatus. W. J. Smith. Des. 82,764; Dec. 9.
 Pack carrier. H. G. Chute. 1,761,426; June 3.
 Pack filler, Hand. F. M. Wright. 1,744,601; Jan. 21.
 Pack-handling apparatus, D. Buccicone. 1,776,616; Sept. 23.
 Pack opener. A. R. McArthur. 1,766,299; June 24.
 Pack tree and harness. R. F. Warren. 1,767,630; June 24.
 Package. D. D. Brown. 1,750,258; Mar. 11.
 Package. E. L. Carroll. 1,744,104; Jan. 21.
 Package. H. O. Grimmeisen. 1,745,929; Feb. 4.
 Package. T. Munroe. 1,773,542; Aug. 19.
 Package. E. C. Pagel. 1,752,996; Apr. 1.
 Package. M. Rosen. Re17,668; May 13.
 Package and display rack therefor, Merchandise. L. N. Levinsohn. 1,755,927; Apr. 22.
 Package and forming the same. E. L. Smith. 1,754,839; Apr. 15.
 Package and holder, Combined. R. W. Babson. 1,764,673; June 17.
 Package and method of sealing, Hermetically-sealed. A. Podel. 1,753,999; Apr. 8.
 Package and making, Plant. R. F. Wedge. 1,775,838; Sept. 16.
 Package carrier. O. Cooper and D. H. Rountree. 1,769,418; July 1.
 Package, Combination. M. Reisert. 1,783,453; Dec. 2.
 Package, Dispensing. J. Gerstle. 1,779,843; Oct. 28.
 Package for compacts, Special. L. L. Kole. 1,768,203; June 24.
 Package for knocked-down window-screen frames. W. E. Wheless. 1,766,317; June 24.
 Package for perishable medicated articles. A. D. Brush. 1,749,996; Mar. 11.
 Package for plants. R. F. Wedge. 1,775,837; Sept. 16.
 Package of rolled sheets. L. E. La Bombard. 1,765,417; June 24.
 Package of yarn or the like. A. B. Collingbourne. 1,762,386; June 10.
 Package-opening device. O. T. Maurer. 1,785,639; Dec. 16.
 Package sealer. T. H. Krueger. 1,782,123; Nov. 18.
 Package sealing. J. G. Shaw. 1,766,405; June 24.
 Package, wrapper, and method of applying wrappers to containers. J. S. Stokes. 1,784,317; Dec. 9.
 Packaged playing ball. J. R. Gammeter. 1,751,275; Mar. 18.
 Packaging machine. C. Baldenhofer. 1,771,869; July 29.
 Packaging machine. W. V. Derby. 1,760,482; May 27.
 Packaging machine. A. C. Everett. 1,765,718; June 24.
 Packaging machine. A. Frontz. 1,776,255; Sept. 23.
 Packaging machine. J. D. Lane. 1,779,817; Oct. 28.
 Packaging machine, Automatic. T. A. Hill. 1,751,157; Mar. 18.
 Packaging mechanism. G. I. Hohl. 1,754,318; Apr. 15.
 Packages and the like, Apparatus for handling. E. A. Leonard. 1,744,650; Jan. 21.
 Packages, Facilitating the tying and sealing of. F. Killing. 1,750,476; Mar. 11.
 Packages to and from aircraft while in flight, Device for receiving and delivering. B. B. Bland and F. B. De Tienne. 1,761,290; June 3.
 Packages, Wrapping. W. F. Hendry. 1,768,982; July 1.
 Packer. J. T. Phipps. 1,772,682; Aug. 12.
 Packer. H. R. Standlee. 1,777,021; Sept. 30.
 Packer, Bottom hole. C. W. Fisher. 1,749,033; Mar. 4.
 Packer, Cotton. A. Hightower. 1,786,240; Dec. 23.

- Packer for well-testing device. E. H. Cox. 1,771,556; July 29.
- Packer, Unit ratchet. A. L. Roco. 1,745,271; Jan. 28.
- Packing. O. H. Dorer and G. H. van Hengel. 1,766,706; June 24.
- Packing. P. H. Granger. 1,750,886; Mar. 18.
- Packing. C. R. Hubbard and R. M. Waples. 1,771,890; July 29.
- Packing. B. P. Joyce. 1,781,926; Nov. 18.
- Packing. B. P. Joyce. 1,782,656; Nov. 25.
- Packing. C. W. Quimby. 1,777,984; Oct. 7.
- Packing and display box. A. E. Keppler. 1,755,693-4; Apr. 22.
- Packing and display box. S. B. and P. B. Townley and W. Laing. 1,753,954; Apr. 8.
- Packing and lubricating rods and shafts. G. F. Jones. 1,776,911; Sept. 30.
- Packing and making the same. L. A. Silter. 1,747,998; Feb. 18.
- Packing and making the same, Braided. S. B. Blaisdell. 1,771,912; July 29.
- Packing and method of construction, Metallic. C. Y. Knight. 1,750,320; Mar. 11.
- Packing and oil saver, Casing-head. C. E. Dale. 1,772,210; Aug. 5.
- Packing appliance for pipe testing. C. S. Larson. 1,757,724; May 6.
- Packing articles in cans, Apparatus for. L. R. Hurlburt. 1,743,780; Jan. 14.
- Packing case. F. C. Holbrook. 1,757,087; May 6.
- Packing, Compressible. S. Imermann. 1,784,899; Dec. 16.
- Packing cushion. H. L. Hill. 1,783,570; Dec. 2.
- Packing device. L. Campbell. 1,759,185; May 20.
- Packing device. C. W. Gerlach. 1,783,079; Nov. 25.
- Packing device, Box-bag-. T. M. Avery. 1,768,097; June 24.
- Packing device, Corner-cushion-pad. W. E. Bowersock. 1,786,189; Dec. 23.
- Packing device for automatic sack-weighing machines. J. W. Reuther. 1,777,224; Sept. 30.
- Packing, Flexible metallic. W. C. Chambers. 1,770,509; July 15.
- Packing for fragile articles. M. Koppelman. 1,780,264; Nov. 4.
- Packing for holding fluids under pressure. B. P. Joyce. 1,779,938; Oct. 28.
- Packing for making fluid-tight joints between parts of engines or machines having relative movement. G. W. Beldam and J. Smith. 1,749,659; Mar. 4.
- Packing for piston rods and valve stems. S. E. Dunham. 1,782,258; Nov. 18.
- Packing for pistons, plungers, and the like. C. Bockius. 1,769,984; July 8.
- Packing for plungers. D. R. Yarnall and J. Kildare. 1,783,762; Dec. 2.
- Packing for rods and shafts. H. F. Sautter. 1,787,020; Dec. 30.
- Packing for rotary well drilling. W. Sheldon. 1,776,797; Sept. 30.
- Packing for safety-razor blades. D. C. Williams. 1,782,797; Nov. 25.
- Packing gaskets and analogous articles, Applying. F. F. Brucker. 1,759,685; May 20.
- Packing hosiery. E. V. Oehler. 1,772,633; Aug. 12.
- Packing, Labyrinth-gland. K. Baumann. 1,778,014; Oct. 14.
- Packing, Lead-wool and ground-cork. G. E. Sawyer and J. W. Smith. 1,761,749; June 3.
- Packing machine. C. L. Valdés y Valdés. 1,785,824; Dec. 23.
- Packing, Machine for manufacturing metallic. L. A. Silter. 1,752,115; Mar. 25.
- Packing machine, Fruit and vegetable. D. W. Wadsworth. 1,768,276; June 24.
- Packing machinery. W. E. Molins. 1,747,639; Feb. 18.
- Packing machinery. W. E. Molins. 1,755,659; Apr. 22.
- Packing material. H. Reinz. 1,756,881; Apr. 29.
- Packing material and product, Making. H. R. Williams. 1,781,797; Nov. 18.
- Packing measuring and cutting device. O. F. Schoepfle. 1,745,815; Feb. 4.
- Packing, Metallic piston. H. M. Hardy. 1,770,034; July 8.
- Packing, Metallic rod. J. Badeker. 1,772,698; Aug. 12.
- Packing of carbon black. L. E. Peck. 1,761,228; June 3.
- Packing or tightening plate. R. Burgmann. 1,781,365; Nov. 11.
- Packing, pipe. A. J. Herrmann. 1,775,459; Sept. 9.
- Packing, Piston. N. H. Blomgren. 1,747,568; Feb. 18.
- Packing, Piston-rod. G. H. Bausman. 1,779,225; Oct. 21.
- Packing retainer. L. P. Moore. 1,751,837; Mar. 25.
- Packing, Ring. J. F. Batt. 1,779,837; Oct. 28.
- Packing ring. C. L. Cook. 1,747,929; Feb. 18.
- Packing rings, Making. W. K. Queen. 1,772,758; Aug. 12.
- Packing, Rod or shaft. H. S. Walker. 1,780,051; Oct. 28.
- Packing, Rotary shaft. J. H. Noble. 1,780,764; Nov. 4.
- Packing, Shaft. F. Lawaczeck. 1,770,496; July 15.
- Packing strip, Article-. L. Rousseau. 1,781,476; Nov. 11.
- Packing suitable for steam turbines, Shaft. C. A. Parsons and S. S. Cook. 1,757,212; May 6.
- Packing, Swivel-joint. G. Christenson. 1,784,926; Dec. 16.
- Packing thin fabrics to prevent wrinkling thereof. E. A. Lee. 1,746,000; Feb. 4.
- Packing unit. S. M. Sager. 1,742,283; Jan. 7.
- Packing welding rods and a bundle for the same. J. C. Armor. 1,781,360; Nov. 11.
- Pad: See—
- Electrically-heated pad. Perpetual pad.
- Enema pad. Railway pad.
- Furniture pad. Rubbing pad.
- Hair-waving pad. Shoe pad.
- Heating pad. Shoulder pad.
- Heel pad. Sink pad.
- Hockey pad. Sponge pad.
- Knee pad. Stamp pad.
- Kneeling pad. Therapeutic pad.
- Memory pad. Truss pad.
- Pad. W. C. King. 1,767,372; June 24.
- Pad and pencil holder, Combined telephone. L. A. Meltzer. Des. 82,844; Dec. 16.
- Pad calendar. K. Clark. 1,776,549; Sept. 23.
- Pad for electroplating devices. P. J. F. Batenburg and C. J. Atkinson. 1,758,682; May 13.
- Pad for football players, Combined hip and kidney. W. A. Ingram. 1,756,358; Apr. 29.
- Pad for fruit containers. J. H. Woodall. 1,752,716; Apr. 1.
- Pad for nursery chairs, Sanitary. M. L. McCollum. 1,746,953; Feb. 11.
- Pad for shoes, Arch-supporting. O. H. Starner. 1,770,184; July 8.
- Pad-forming machine. W. A. Shepard. 1,777,231; Sept. 30.
- Pad roller arm. A. Dina. 1,764,939; June 17.
- Padding for ironing machines and the like, Roll. C. E. Galvin. 1,773,455; Aug. 19.
- Padding, Resilient. S. H. McKnight. 1,769,066; July 1.
- Padding with selvage. E. N. Sitton. 1,753,138; Apr. 1.
- Paddle, Buoy inflated swimming. M. F. Enke. 1,784,136; Dec. 9.
- Paddling or swimming pool. J. P. Allix. 1,779,577; Oct. 28.
- Padlock. M. T. Atkins. 1,777,424; Oct. 7.
- Padlock. M. Ellison. 1,743,331; Jan. 14.
- Padlock. M. C. Maxwell. Des. 80,385; Jan. 21.
- Padlock. J. H. Shaw. 1,779,716; Oct. 28.
- Padlock for tire carriers and the like. H. B. Page. 1,744,984; Jan. 28.
- Padlock, Permutation. E. Scheibner. 1,773,204; Aug. 19.
- Padlock, Permutation. B. C. Smith. 1,755,521; Apr. 22.
- Page turner. C. T. Burkhart. 1,775,551; Sept. 9.
- Pail. C. B. Cadwallader. 1,754,456; Apr. 15.
- Pail, Dinner. P. H. Dickens. 1,773,663; Aug. 19.
- Pail for holding minnows, frogs, and other live bait. J. Bergren. 1,773,804; Aug. 26.
- Pail, Sanitary milk. W. H. Swartz. 1,784,319; Dec. 9.
- Pails, Handle grip for. W. W. Hodgson. 1,781,583; Nov. 11.
- Paint. D. Isenberg. 1,757,864; May 6.
- Paint and making resistances, Resistance. L. L. Jones. A. Schmidt and J. Jones. 1,773,105; Aug. 19.
- Paint and making same, Cold-water. L. H. Larson. 1,781,019; Nov. 11.
- Paint and making the same. W. C. Geer. 1,744,881; Jan. 28.
- Paint and varnish remover. J. J. McEvoy and C. H. Upson. 1,785,417; Dec. 16.
- Paint and varnish remover. O. G. Winzer. 1,752,358; Apr. 1.
- Paint and varnish remover and making same. C. Ellis. 1,759,154; May 20.
- Paintbrush, Fountain. D. Hornyák. 1,771,924; July 29.
- Paint or fard distributor with stump, Face. P. Baquey. 1,786,418; Dec. 30.
- Paint, Removing. J. H. Gravell. 1,744,463; Jan. 21.
- Paint, Roof. M. M. Connolly. 1,783,702; Dec. 2.
- Paint stirring and mixing device. F. Schlageter and F. Maletsky. 1,747,032; Feb. 11.
- Paint, Textile. L. C. Lordly. 1,755,658; Apr. 22.
- Paint, varnish, and enamel and their production. W. F. Bleecker and E. A. Clark. 1,750,087; Mar. 11.
- Painter's implement. R. A. Rodgers. 1,779,293; Oct. 21.
- Painting apparatus. P. P. Walker. 1,756,998; May 6.
- Painting machine. T. M. Blatt. 1,776,100; Sept. 16.
- Painting device, Internal-pipe-. M. P. Cotton. 1,746,071; Feb. 4.
- Paints and enamels, Undercoating for accelerating the time of drying of oil. P. Jaeger. 1,772,897; Aug. 12.
- Paints, etc., Extender for. H. J. Stievater. 1,763,937; June 17.
- Paints, Making. H. H. Mapother, jr. 1,781,648; Nov. 11.
- Paints or cements to skived articles or the like, Applying. M. E. Davis. 1,771,166; July 22.
- Paints, Producing permanent. N. Specht. 1,750,287; Mar. 11.
- Paints, Production of. J. B. Carper. 1,781,435; Nov. 11.
- Pajama jacket and dicky, Combination. S. Gates. Des. 81,231; May 27.
- Pajamas, Ladies'. H. Glassman. Des. 82,024; Sept. 16.
- Pan: See—
- Baker's pan. Frying pan.
- Baking pan. Oil pan.
- Broiler pan. Omelet pan.
- Cake and pie pan. Pie pan.
- Cake pan. Seed pan.
- Compartment pan. Scale pan.
- Dog pan. Steam-table pan.
- Drain pan. Vacuum pan.
- Drip pan. Water-closet pan.
- Wire baking pan.

- Pan and bottle holder, Sterilizing. F. A. Armstrong. 1,755,420; Apr. 22.
- Pan and method of baking, Baking. E. Kussa and W. E. Long. 1,749,433; Mar. 4.
- Pan attachment, Pie-. B. Henning. 1,768,954; July 1.
- Pan connecting and reenforcing strip. F. Schultz. 1,762,563; June 10.
- Pan for internal-combustion engines, Oil-base insulating. K. H. Hinrichs. 1,783,472; Dec. 2.
- Pan for internal-combustion engines, Oil-base insulating. W. W. Schwarting. 1,760,376; May 27.
- Pan for serving food. P. W. Torndahl. 1,773,506; Aug. 19.
- Pan for toilet flush tanks, Drip. N. A. Rubner. 1,785,877; Dec. 23.
- Pan-greasing machine. J. S. Allen. 1,766,207; June 24.
- Pan hopper and foot control, Double-. J. C. Schumacher. 1,779,642; Oct. 28.
- Pan lifter. R. Adams. 1,777,284; Oct. 7.
- Pan lifter. M. Fahrnkopf. 1,768,311; June 24.
- Pan lifter. A. M. Grubbs. 1,779,394; Oct. 21.
- Pans of refrigeration apparatus, Emptying device for ice. D. W. Scurlock. 1,775,698; Sept. 16.
- Pane, Window. A. Böttner. 1,783,326; Dec. 2.
- Panel. W. E. Land. 1,777,317; Oct. 7.
- Panel-assembling apparatus. W. M. Schwartz, A. J. Harrison, and J. L. Fagan. 1,753,070; Apr. 1.
- Panel assembly, Instrument. H. Schwarze. 1,757,395; May 6.
- Panel board. H. G. Baxter. 1,768,879; July 1.
- Panel-board construction. R. B. Benjamin. 1,758,642; May 13.
- Panel board, Instrument. J. R. Padesky. 1,749,353; Mar. 4.
- Panel construction. L. Hoffman. 1,763,966; June 17.
- Panel for a dish or the like, Bordered. S. W. Farber. Des. 80,514; Feb. 18.
- Panel for lighting fixtures or similar articles. H. R. Holdeman. Des. 80,839; Apr. 1.
- Panel for mold walls. F. J. Gremel. 1,782,921; Nov. 25.
- Panel, Illuminated instrument. H. E. Norviel. 1,781,242; Nov. 11.
- Panel joints, Making. O. J. Groehn. 1,765,372; June 24.
- Panel, Store wall. H. Charnin. Des. 82,138; Sept. 30.
- Panel upholstery and applying same. B. M. Stannard. 1,774,191; Aug. 26.
- Paneling with flexible connections. A. F. Masury. 1,760,426; May 27.
- Panels with metal, Method of and apparatus for facing. A. Elmendorf. 1,763,227; June 10.
- Panic-exit lock. J. O. Soemer. 1,756,667; Apr. 29.
- Panning machine. V. Royle. 1,745,644; Feb. 4.
- Pantograph. W. Hughes. 1,770,238; July 8.
- Pantographic scribing instrument. H. Kassebaum. 1,775,904; Sept. 16.
- Pants hanger. C. T. Batts. 1,756,533; Apr. 29.
- Pants press, Folding. F. E. Richards. 1,762,078; June 3.
- Pants, Track. F. Chatfield. 1,767,649; June 24.
- Paper, Absorbent. G. L. Schwartz. 1,757,756; May 6.
- Paper and making same, Reenforced filter. F. W. Manning. 1,782,784; Nov. 25.
- Paper and making same, Shock-absorbing cushioning. J. E. Kieffer. 1,780,526; Nov. 4.
- Paper and making the same. D. Finley. 1,747,232; Feb. 18.
- Paper and manufacturing same, Coated. W. W. McLaurin. 1,780,793; Nov. 4.
- Paper and paper making. E. Lionne. 1,752,802; Apr. 1.
- Paper and the like and manufacture of the same, Colored and tinted parchment. R. I. Cowen. 1,780,616; Nov. 4.
- Paper and the like, Manufacture of reenforced. W. H. Millspaugh. 1,748,360; Feb. 25.
- Paper and the manufacture of same, Adhesive. J. Muir. 1,766,302; June 24.
- Paper, Apparatus for manufacturing. T. Harvey. 1,752,079; Mar. 25.
- Paper, Apparatus for obtaining marbling effect on. F. C. Heywood, G. E. Senseney, and R. S. Bracewell. 1,742,250; Jan. 7.
- Paper, Apparatus for printing negotiable. C. G. Tiefel and W. B. Payne. 1,781,739; Nov. 18.
- Paper, Apparatus for producing two-toned glazed. E. W. Hague. 1,775,901; Sept. 16.
- Paper, Apparatus for the manufacture of ornamental. E. Mahler and C. G. Bright. 1,767,252; June 24.
- Paper article. F. A. Conrad. 1,769,417; July 1.
- Paper article and making same, Metal-coated. A. L. Clapp. 1,765,862; June 24.
- Paper article and manufacture. K. Wandel. 1,774,497; Aug. 26.
- Paper article and producing the same. K. Wandel. 1,771,983; July 29.
- Paper articles, Making. N. E. Funk. 1,748,761; Feb. 25.
- Paper bag. D. Appel. 1,779,870; Oct. 28.
- Paper bag. A. M. Bates and J. E. Cornell. 1,752,292; Apr. 1.
- Paper bag, Wax-lined. J. L. Seiler. 1,747,189; Feb. 18.
- Paper blank and making the same, Foldable. K. F. Mac Lellan. 1,771,760; July 29.
- Paperboard and the like, Treating. R. Kastner and H. Schmolka. 1,785,484; Dec. 16.
- Paper box. R. A. Gross. 1,758,510; May 13.
- Paper box, Collapsible. R. A. Gross. 1,758,512-13; May 13.
- Paper box, Folding. H. Schurr. 1,743,572; Jan. 14.
- Paper can, Tapered or nesting. W. L. Wright. 1,787,332; Dec. 30.
- Paper clip. G. Boden. 1,785,511; Dec. 16.
- Paper clip. H. J. Ries. 1,783,099; Nov. 25.
- Paper clip. M. Ross. 1,783,484; Dec. 2.
- Paper clip. G. P. Schmitt. 1,780,893; Nov. 4.
- Paper clip. S. Talisman. 1,759,142; May 20.
- Paper clip. G. M. Sacerdote. 1,753,094; Apr. 1.
- Paper clip, Reversible. K. P. Durham. 1,755,915; Apr. 22.
- Paper, Coated. G. J. Esselen, Jr., and R. P. Rose. 1,746,888; Feb. 11.
- Paper, Coated. F. W. Farrell. Re17,760; Aug. 5.
- Paper-coating composition. D. B. Bradner and C. H. Milligan. 1,781,716; Nov. 18.
- Paper-coating machine. H. Nendorf and A. W. Cole. 1,746,551; Feb. 11.
- Paper-coating mechanism and coating paper. L. A. Parker. 1,774,398; Aug. 26.
- Paper container for frozen confections. G. L. Porter. 1,754,524; Apr. 15.
- Paper-corrugating machine. S. M. Langston. 1,771,259-60; July 22.
- Paper-creping machine. S. J. Campbell. 1,762,157; June 10.
- Paper, Crinkling and reenforcing. W. W. Rowe. Re17,633; Apr. 1.
- Paper cup. R. P. Dickerson. Re17,553; Jan. 7.
- Paper cutter. M. I. Higbie. 1,787,375; Dec. 30.
- Paper cutter. C. O. Thorne. 1,752,124; Mar. 25.
- Paper cutter, Roll. J. W. McClintock. 1,774,480; Aug. 26.
- Paper cutter, Sheet-. C. S. Chessman. 1,759,344; May 20.
- Paper cutter, Vertical. M. Nelson. 1,779,778; Oct. 28.
- Paper cutting and trimming machine and clamping mechanism therefor. E. Brackett and D. Daneke. 1,743,420; Jan. 14.
- Paper cutting and trimming machine and gauge and gauge-stop mechanism therefor. E. Brackett and D. Daneke. 1,743,421; Jan. 14.
- Paper-cutting device. J. E. Johnson. 1,754,362; Apr. 15.
- Paper-cutting machine. F. H. Patterson. 1,742,967; Jan. 7.
- Paper-cutting machine. W. L. Valiquette. 1,766,855; June 24.
- Paper-cylinder-forming machines, Article-discharging and conveying apparatus for. W. R. Myers. 1,753,867; Apr. 8.
- Paper dispenser, Roll-. T. L. Young. 1,744,291; Jan. 21.
- Paper-distributing apparatus, Toilet-. H. A. Schlossberger. 1,763,259; June 10.
- Paper, Document. T. J. Snyder. Re17,708; June 24.
- Paper drier. J. W. Vedder. 1,760,923; June 3.
- Paper driers, Condensate-removal device for high-speed. A. E. Broughton. 1,764,713; June 17.
- Paper, Eliminating wet streaks in. A. E. Broughton. 1,764,777; June 17.
- Paper, Embossed glassine. E. H. Scheele. Des. 82,111; Sept. 23.
- Paper, Embossed glassine. E. H. Scheele. Des. 82,627; Nov. 25.
- Paper feed and aligner, Automatic. W. A. Sprise. 1,746,131; Feb. 4.
- Paper-feed device, Wrapping-. C. W. Elder. 1,746,582; Feb. 11.
- Paper feeders, Rear-end separator for. R. J. Waterworth. 1,744,846; Jan. 28.
- Paper-feeding and cut-off mechanism. C. O. Brownell. 1,761,771; June 3.
- Paper feeding and elevating mechanism for printing presses. C. L. Low. 1,762,661; June 10.
- Paper-feeding equipment for accounting machines. R. L. Muller. 1,774,287; Aug. 26.
- Paper-feeding machine. F. L. Cross and H. Hallstream. 1,760,119; May 27.
- Paper-feeding machine. H. Hallstream. 1,764,018; June 17.
- Paper-feeding machine. H. Hallstream. 1,773,266; Aug. 19.
- Paper-feeding mechanism. P. M. Colquhoun and W. R. Allen. 1,766,106; June 24.
- Paper-folding machine. J. Mentges. 1,771,964; July 29.
- Paper-feeding mechanism. L. H. Morse. 1,743,158; Jan. 14.
- Paper-feeding mechanism. L. H. Morse. 1,766,137; June 24.
- Paper-feeding mechanism. G. Tauschek. 1,762,749; June 10.
- Paper-feeding rack. S. Scott, Jr. 1,760,177; May 27.
- Paper-folding device. H. A. W. Wood. 1,781,422; Nov. 11.
- Paper-folding machine. O. Kleinschmit. 1,784,731; Dec. 9.
- Paper-folding machine. E. D. Rader. 1,746,444; Feb. 11.
- Paper for bank checks and the like. B. W. Smith. Des. 80,333; Jan. 14.
- Paper for insulation of electric cables and apparatus therefor, Impregnating. C. J. Beaver. 1,752,972; Apr. 1.
- Paper for photographic uses, Manufacture of sensitized velvet. D. Friedlander. 1,752,665; Apr. 1.
- Paper for use with recording machines, Method of and apparatus for producing stacks of folded strips of. C. J. Korndorfer and L. T. Hand. 1,747,719; Feb. 18.
- Paper from paper-making machines, Slitting and winding. P. D. Parsons. 1,759,627; May 20.

- Paper from plant fiber, Manufacture of. H. Eggers. 1,782,382; Nov. 18.
- Paper-handling machine. A. Olson and L. R. Tufts. 1,745,311; Jan. 28.
- Paper hangers' straightedge and trimming boards, Adjustable attachment for. H. E. Simonton. 1,761,315; June 3.
- Paper-hanging device. J. King. 1,746,311; Feb. 11.
- Paper-hanging machine. M. J. Di Giacomo. 1,752,898; Apr. 1.
- Paper head covering and fan, Combined. R. A. Conklin. 1,743,432; Jan. 14.
- Paper, Insulating. R. P. Rose and H. E. Cude. 1,765,774; June 24.
- Paper lead for the upper decks of printing presses. H. A. W. Wood. 1,774,779; Sept. 2.
- Paper-lined insulating material, Making creped-. A. L. Spafford. 1,774,573; Sept. 2.
- Paper-machine drier. W. H. Millspaugh. 1,745,685; Feb. 4.
- Paper machine, Fourdrinier. A. Aldrich. 1,742,337; Jan. 7.
- Paper machine, Fourdrinier. H. L. Kutter. 1,773,270; Aug. 19.
- Paper machine, Transparent-. E. M. Kratz. Re17,854; Nov. 4.
- Paper machines, Drive for. F. Schiebuh. 1,784,545; Dec. 9.
- Paper machines, Flow box for. E. J. Trimby and G. K. Walker. 1,751,959; Mar. 25.
- Paper machines, Stock inlet for. R. T. Lang. 1,775,905; Sept. 16.
- Paper making. J. Neumann. 1,775,405; Sept. 9.
- Paper, Making crepe. H. Liebeck. 1,772,185; Aug. 5.
- Paper, Making decorated. J. H. Trask. 1,787,218; Dec. 30.
- Paper-making machine. C. B. Briede and H. L. Kutter. 1,757,291; May 6.
- Paper-making machine. A. E. Cofrin. 1,748,062; Feb. 25.
- Paper-making machine. E. J. Crowson. 1,779,087; Oct. 21.
- Paper-making machine. R. A. Hayward. 1,772,484; Aug. 12.
- Paper-making machine. A. F. Helin. 1,774,553; Sept. 2.
- Paper-making machine. J. H. Jurgensen. 1,767,889; June 24.
- Paper-making machine. H. Liebeck. 1,781,928; Nov. 18.
- Paper-making machine. E. K. Mansfield. 1,746,708; Feb. 11.
- Paper-making machine. W. H. Millspaugh. 1,758,167; May 13.
- Paper-making machine. W. H. Millspaugh. 1,783,969-70; Dec. 9.
- Paper-making machine. F. A. Peschl. 1,745,687; Feb. 4.
- Paper-making machine, Doctor for. J. Wenzel. 1,786,587; Dec. 30.
- Paper-making machine, Fourdrinier. W. H. Delahaye. 1,743,808; Jan. 14.
- Paper-making machinery. G. J. Scofield. 1,771,355; July 22.
- Paper-making machinery. H. N. Weir. 1,778,650; Oct. 14.
- Paper-making machines and forming the same, Woven-wire belt for. N. W. Webb. 1,747,274; Feb. 18.
- Paper-making machines, Control mechanism for. D. E. Lewellen. 1,757,867; May 6.
- Paper-making machines, Cylinder mold of. T. Yonekura. 1,782,281; Nov. 18.
- Paper-making machines, Drive for. B. A. Malkin. 1,769,355; July 1.
- Paper-making machines, Moisture-content tester for. C. A. Upson. 1,751,179; Mar. 18.
- Paper-making machines, Spear pole for removing paper from the rollers of. R. B. Hull. 1,782,349; Nov. 18.
- Paper-making machines, Suction-box head for. J. Reagan and A. Bernard. 1,774,844; Sept. 2.
- Paper-making machines, White-water sampler for. C. F. Rhodes. 1,769,308; July 1.
- Paper-making machines, Wire-washing device for. A. F. Helin. 1,744,892; Jan. 28.
- Paper-making machines, Woven-wire belt for. N. W. Webb. 1,747,275-6; Feb. 18.
- Paper-making process and apparatus, Automatic. M. R. Ware. 1,773,832; Aug. 26.
- Paper-making process, Chemical-pulp. F. A. Johnson. 1,786,538; Dec. 30.
- Paper, Making waterproof. G. A. Brown. 1,753,690; Apr. 8.
- Paper, Manifolding carbon. J. H. Reid. 1,757,876; May 6.
- Paper manufacture. M. Wenzel. 1,783,868; Dec. 2.
- Paper, Manufacture of moistureproof. A. M. Hinkson. 1,769,513; July 1.
- Paper, Marking. H. W. A. Dixon. 1,780,007; Oct. 28.
- Paper, Method and apparatus for making. C. C. Hockley. 1,757,948; May 6.
- Paper, Method of and apparatus for making. J. Traquair. 1,751,256; Mar. 18.
- Paper, Method of and apparatus for manufacturing. J. Traquair. 1,786,681; Dec. 30.
- Paper, Method of and apparatus for producing transparent waxed. J. Decker, A. B. Green, and V. E. Nunez. 1,757,620; May 6.
- Paper, Method of and mechanism for water-marking and cutting. V. N. Magill. 1,757,204; May 6.
- Paper moistener. W. A. Uttz, sr. Des. 81,560-61; July 8.
- Paper mulch and reinforcing and retaining means therefor. D. P. Moore. 1,784,376; Dec. 9.
- Paper napkin or the like. R. W. Beach. Des. 82,722; Dec. 9.
- Paper of acid character, Filtering and decolorizing. W. S. Baylis. 1,784,509; Dec. 9.
- Paper of uniform length, Method of and apparatus for detaching sheets of. X. Dambacher. 1,745,358; Feb. 4.
- Paper or other containers, Closure for. E. Z. Taylor and S. P. Ledger. 1,773,553; Aug. 19.
- Paper or paper-board product and making the same, Water-resistant. A. L. Clapp. 1,771,745; July 29.
- Paper or similar article, Cover. R. C. Payton. Des. 81,992; Sept. 9.
- Paper or similar material, Fancy. A. E. Marconetti. Des. 82,223; Oct. 7.
- Paper or the like, Cover. E. L. Ley. Des. 80,322-6; Jan. 14.
- Paper or the like, Fancy. H. K. Wires. Des. 82,204; Sept. 30.
- Paper package, Folded. H. E. Kondolf. 1,747,980; Feb. 18.
- Paper, Package of toilet. J. E. H. Randerson. 1,780,275; Nov. 4.
- Paper, Producing porous. G. L. Schwartz. 1,757,757; May 6.
- Paper product. P. B. Ganzinotti. 1,755,818; Apr. 22.
- Paper product and its manufacture. E. Hopkinson. 1,779,772; Oct. 28.
- Paper product and making the same. E. E. Novotny. 1,771,138; July 22.
- Paper-product machine. L. P. Willsea. 1,742,335; Jan. 7.
- Paper products and the like and making the same, Water proof. A. L. Clapp. 1,771,744; July 29.
- Paper, Protector for rolls of. G. H. Wheldon. 1,772,850; Aug. 12.
- Paper pulp, Apparatus for handling. F. B. Chappell. 1,752,886; Apr. 1.
- Paper pulp, Manufacture of. A. M. Thomsen. 1,758,896; May 13.
- Paper pulp, Method of and apparatus for bleaching. R. B. Wolf and R. P. Hill. 1,753,228; Apr. 8.
- Paper pulp, Producing of. R. B. Wolf. 1,772,792; Aug. 12.
- Paper pulp, Production of. R. B. Wolf. 1,780,638; Nov. 4.
- Paper pulp, Sizing. J. A. De Cew. 1,753,775; Apr. 8.
- Paper-pulp vessels for the protection thereof against the action of moisture, fat, soap, and the like, Coating. F. Frank. 1,753,565; Apr. 8.
- Paper, Recording. C. W. Mayer and E. F. Siller. 1,783,442; Dec. 2.
- Paper-reeling machine. W. Okura. 1,750,487; Mar. 11.
- Paper rolls, Forming. C. B. Andersen. 1,779,578; Oct. 28.
- Paper, Safety. C. Nagel. Des. 80,631; Mar. 4.
- Paper, Sheathing. C. Gilmore. 1,785,379; Dec. 16.
- Paper splitter. J. R. Spoor. 1,754,969; Apr. 15.
- Paper slitting and winding machine. G. Lamoureux. 1,770,161; July 8.
- Paper-slitting machines, Driven splitter for. J. A. White. 1,759,676; May 20.
- Paper-sorting device. C. März. 1,787,387; Dec. 30.
- Paper stock and the like, Process and apparatus for regulating. C. V. Proctor. 1,774,566; Sept. 2.
- Paper stock, Apparatus for coloring. M. W. Ranke. 1,773,435; Aug. 19.
- Paper-strip-controlling mechanism. R. J. Jauch. 1,782,618; Nov. 25.
- Paper strip for closet seats, Device for uniformly moving on. K. Sommer. 1,758,862; May 13.
- Paper-trimming device. W. G. and F. Fritz. 1,777,791; Oct. 7.
- Paper-trimming machine. P. and F. Perhats. 1,769,602; July 1.
- Paper, Wall. E. A. Haward. Des. 81,006; Apr. 22.
- Paper-web-feeding machine. S. J. Campbell. 1,747,857; Feb. 18.
- Paper weight, Match-holding. A. J. Herschmann. Des. 82,502; Nov. 11.
- Paper-winding machine. G. Lamoureux. 1,770,162; July 8.
- Paper with insoluble dyes and resulting product, Making colored crepe. G. R. Alden. 1,756,778; Apr. 29.
- Paper, Wrapping. D. R. Clement. Des. 82,542; Nov. 18.
- Papers and filter fabrics, Making filter. F. W. Manning. 1,782,785; Nov. 25.
- Papers and the like, Manufacture of diazotype sensitive. H. D. Murray. 1,770,352; July 8.
- Papers, particularly those used for the packing of edible articles, Manufacture of transparent. O. Klotz. 1,786,911; Dec. 30.
- Parachute. L. Avorio. 1,743,951; Jan. 14.
- Parachute. C. H. Castagne. 1,757,854; May 6.
- Parachute. L. Detzen. 1,767,968; June 24.
- Parachute. A. Ferretti and A. Corda. 1,764,293; June 17.
- Parachute. C. Fisher. 1,786,838; Dec. 30.
- Parachute. M. G. Güede and J. Cufin. 1,755,954; Apr. 22.
- Parachute. H. E. Hawes. 1,777,363; Oct. 7.
- Parachute. E. L. Hoffman. 1,757,247; May 6.
- Parachute. E. L. Hoffman. 1,780,190; Nov. 4.
- Parachute. C. H. Kugler. 1,776,629; Sept. 23.
- Parachute. R. M. Lane. 1,767,534; June 24.

- Parachute. I. V. Malmer. 1,777,441; Oct. 7.
 Parachute. W. M. Martin. 1,746,862; Feb. 11.
 Parachute. F. R. Owens. 1,777,934; Oct. 7.
 Parachute aircraft flare. S. D. Wiley. 1,777,188; Sept. 30.
 Parachute and aerial life buoy. E. G. Johnson. 1,765,075; June 17.
 Parachute and pack therefor. H. L. Adams. 1,780,104; Oct. 28.
 Parachute attachment for aeroplanes, Collapsible. C. Furlew. 1,778,488; Oct. 14.
 Parachute attachment for aeroplanes. J. Poniatowski. 1,765,094; June 17.
 Parachute cord retainer. A. H. Reed. 1,783,452; Dec. 2.
 Parachute deflator. F. D. Warner. 1,777,685; Oct. 7.
 Parachute device for aeroplanes, Safety. V. Pellegrino. 1,786,169; Dec. 23.
 Parachute ejector. E. V. Stone. 1,770,954; July 22.
 Parachute, Elastically-deformable. L. Avorio. 1,784,774; Dec. 9.
 Parachute for aeroplanes. C. Kesses. 1,762,396; June 10.
 Parachute harness. F. Smith. 1,784,162; Dec. 9.
 Parachute opener. A. Nelson. 1,774,811; Sept. 2.
 Parachute pack. E. L. Hoffman. 1,774,513; Sept. 2.
 Parachute pack. F. Smith. 1,755,414; Apr. 22.
 Parachute rip cord. G. Waite. 1,758,871; May 13.
 Parachute-rip-cord construction. L. L. Irvin. 1,758,795; May 13.
 Parachute, Safety. F. Arnaiz. 1,749,965; Mar. 11.
 Parachute safety suspension for aeroplanes. P. P. Horni. 1,760,061; May 27.
 Paraffin hydrocarbons with more than one carbon atom, Production of. F. Fischer and H. Tropsch. 1,746,464; Feb. 11.
 Paraffin, Manufacturing. C. A. Ward. 1,760,096; May 27.
 Paraffin scraper for oil wells. G. A. Helmling. 1,770,207; July 8.
 Paraffin, waxes, and the like, Hardening. W. Pungs and M. Jahrstorfer. 1,786,263; Dec. 23.
 Paraffins, waxes, and the like, Oxidizing. F. Hofmann. 1,762,688; June 10.
 Parallel tap or similar article. M. J. Casiero. Des. 82,369; Oct. 28.
 Para-nitraniline, Manufacture of. H. Merrill. 1,786,766; Dec. 30.
 Parasitic oscillations, Prevention of. H. C. Silent. 1,785,819; Dec. 23.
 Parasiticide composition. E. C. Holton. 1,742,472; Jan. 7.
 Parcel receiver. R. F. W. Hess. 1,752,984; Apr. 1.
 Parfait. A. C. Parker. Des. 81,740; Aug. 5.
 Paring machine, Apple. C. S. Fish. 1,745,158; Jan. 28.
 Paring machine, Fruit. J. W. Pease. 1,752,997; Apr. 1.
 Paring machine, Vegetable. N. C. C. Mathews. 1,777,123; Sept. 30.
 Park-entrance unit, Tourist. F. L. Musgrove. Des. 81,804; Aug. 12.
 Parking automotive vehicles. F. S. Crane. 1,774,700; Sept. 2.
 Parking device. B. Walker. 1,742,566; Jan. 7.
 Parking device, Automobile. I. G. Bench. 1,771,203; July 22.
 Parking device for automobiles, Automatic. H. H. Hall. 1,772,716; Aug. 12.
 Parking device for motor vehicles. J. Myers. 1,758,964; May 20.
 Parking device for motor vehicles. G. W. Woolley. 1,761,554; June 3.
 Parking device, Vehicle. F. C. Wachs and A. E. Buerosse. 1,771,022; July 22.
 Parking light. H. Becker. 1,775,586; Sept. 9.
 Parking light, Reflection. J. M. Dimand. 1,769,917; July 8.
 Parking-means, Vehicle. J. L. Tompkins. 1,771,695; July 29.
 Parking mechanism for motor vehicles. A. W. Althoff. 1,778,656; Oct. 14.
 Parking mechanism, Vehicle. H. H. Collins. 1,742,636; Jan. 7.
 Parking signal, Automobile. J. B. Morton, jr. 1,745,944; Feb. 4.
 Parking system, Automobile. B. M. Flannery. 1,781,753; Nov. 18.
 Parlor-car chair. B. V. Souto and W. P. Comstock. 1,757,551; May 6.
 Parquetry unit. J. Fuchsman. Des. 80,366; Jan. 21.
 Particles from flue gases, Device for removing solid. M. Prétot and F. Ullmann. 1,749,260; Mar. 4.
 Particles in gaseous suspension, Dealing with. A. L. Miller. 1,767,089; June 24.
 Partition. A. H. Samuelsen. 1,775,971; Sept. 16.
 Partition bar for stables, Vertically-adjustable. E. Carman. 1,780,577; Nov. 4.
 Partition construction. M. A. Callaghan. 1,785,826; Dec. 23.
 Partition, Folding. E. J. G. Phillips. 1,786,505; Dec. 30.
 Partition maker. J. F. Robb. 1,747,390; Feb. 18.
 Partition, Metallic. A. S. MacDonald. 1,772,286; Aug. 5.
 Partition, Portable. F. B. Wheat. 1,758,489; May 13.
 Partitions, Built-up stud for hollow. W. M. Goldsmith. 1,754,942; Apr. 15.
 Passing light. L. Eglinton. 1,763,555; June 10.
 Paste or compound, Sealing. C. W. Howe. 1,774,013; Aug. 26.
 Pasteurizer. F. Lassen. 1,777,208; Sept. 30.
 Pasteurizer. G. J. Meyer. 1,749,150; Mar. 4.
 Pasteurizing apparatus. A. H. Boileau. 1,786,819; Dec. 30.
 Pasteurizing apparatus. A. J. Davis. 1,760,686; May 27.
 Pasteurizing apparatus. H. Holte. 1,772,998; Aug. 12.
 Pasteurizing apparatus. C. Mortensen. 1,749,257; Mar. 4.
 Pastry-baking machine, Automatic. G. Reiber. 1,781,411; Nov. 11.
 Pastry cup. E. Hamwi. Des. 81,005; Apr. 22.
 Pastry cup, Edible. E. Hamwi. Des. 81,276-8; June 3.
 Pastry-making machine, Automatic cup. J. Balton. 1,772,450; Aug. 12.
 Pastry, Method and apparatus for making. A. H. Hood. 1,770,337; July 8.
 Pastry mold. E. Hamwi. 1,776,431; Sept. 23.
 Pastry mold. E. Hamwi. 1,777,723; Oct. 7.
 Patch for tubes and other rubber goods, Bevel-cut. J. G. Gross. Re17,860; Nov. 11.
 Patch, Inner-tube. C. E. Dunlap. Re17,859; Nov. 11.
 Patch, Inner-tube. C. E. Dunlap. 1,756,183; Apr. 29.
 Patch lay. W. H. Bahan. 1,777,597; Oct. 7.
 Pattern: See—
 Mold pattern.
 Pattern. H. H. Smith. 1,783,004; Nov. 25.
 Pattern and guide strip. G. W. Harley. 1,755,001; Apr. 15.
 Pattern-copying machine. E. F. Bonser. 1,783,951; Dec. 9.
 Pattern-copying machine. G. F. Ryan and E. H. Burke. 1,757,221; May 6.
 Pattern-copying machines, Grading mechanism for. G. F. Ryan and E. H. Burke. 1,757,220; May 6.
 Pattern-setting mechanism for type-casting machines and the like. C. A. Macomic. 1,775,822; Sept. 16.
 Patterns, Simulating natural. L. V. Casto. Re17,912; Dec. 30.
 Patterns for pressing molds and stamps, Apparatus for the manufacture of. M. Grune. 1,775,456; Sept. 9.
 Patterns into fur skins, Art and machine for cutting. H. Waag. 1,747,406; Feb. 18.
 Patterns on plated knitting and the corresponding product, Producing. J. N. Mahler. 1,768,125; June 24.
 Pavement marking. J. S. Miller. 1,773,111; Aug. 19.
 Pavement, Sectional rubber. A. F. Masury and A. H. Leipert. Re17,795; Sept. 9.
 Pavement. L. Kirschbraun. 1,767,533; June 24.
 Pavement. R. H. Smith. 1,751,109; Mar. 18.
 Pavement. I. L. Stern. 1,778,736; Oct. 21.
 Pavement and process of laying. W. H. Flood. 1,760,690; May 27.
 Pavement composition, Preparing. M. D. Shannon. 1,764,534; June 17.
 Pavement construction, Railroad cross. H. A. Myers. 1,742,554; Jan. 7.
 Pavement grid structure. L. R. MacKenzie. 1,764,845; June 17.
 Pavement, Resilient. W. E. Swanson. 1,746,169; Feb. 4.
 Pavement surface-finishing roller, Concrete. C. L. La Plant and S. S. McIntyre. 1,744,272; Jan. 21.
 Pavements, Expansion joint in concrete. J. H. Knox. 1,755,219; Apr. 22.
 Pavements, Laying bitumen. J. G. Tullis. 1,750,443; Mar. 11.
 Paving, Asphaltic concrete. J. W. Fraser. 1,757,661; May 6.
 Paving, Bitumen road. D. M. Hepburn. 1,779,067; Oct. 21.
 Paving block. C. Wright. 1,778,927; Oct. 21.
 Paving composition and producing same, Cold-laid. V. Nicholson. 1,778,461; Oct. 14.
 Paving composition, Cold bituminous. O. H. Berger. 1,776,379; Sept. 23.
 Paving composition, Cold bituminous. O. H. Berger. 1,776,763; Sept. 23.
 Paving compositions, Preparing bituminous. E. C. Wallace. 1,749,651; Mar. 4.
 Paving joint. A. C. Fischer. 1,769,990; July 8.
 Paving joint. A. C. Fischer. 1,770,358; July 8.
 Paving material and preparing same. E. A. Young and G. H. Alvey. 1,779,954; Oct. 28.
 Paving material and preparing such material. G. H. Alvey and E. A. Young. 1,767,830; June 24.
 Paving material, Making. D. McK. Hepburn and S. S. Sadtler. 1,774,649; Sept. 2.
 Paving materials, Preparing. W. T. Ragland. 1,773,788; Aug. 26.
 Paving mixture and preparing same. E. C. Wallace. 1,763,204; June 10.
 Paving roller. H. W. Laster. 1,764,963; June 17.
 Paving surface construction, Nonskid. E. A. Young. 1,779,955; Oct. 28.
 Pawl. G. Tauschek. 1,781,349; Nov. 11.
 Pawl motion. A. L. Johnson. 1,771,221; July 22.
 Pea or like material splitting mechanism. J. Zeb. 1,783,489; Dec. 2.
 Pea sheller. J. C. Hardie. 1,777,613; Oct. 7.
 Peach pitter. G. Wilcox. 1,786,724; Dec. 30.
 Peach-pitting apparatus. A. L. Duncan. Re17,726; July 8.
 Peanut digger. J. D. Davis. 1,757,654; May 6.
 Peanut-picking machine. C. M. Dykes. 1,752,375; Apr. 1.
 Peanut roaster. L. W. Thomas. 1,766,846; June 24.
 Pear peeling machine. W. A. Fonken. 1,766,433; June 24.
 Pearl essence, Purifying. J. Paiseau. 1,760,771; May 27.
 Peat mining. M. N. Korelin. 1,785,739; Dec. 23.

- Peavy. I. A. Miller. 1,777,322; Oct. 7.
 Pedal for bicycles, etc., Ball-bearing. C. A. Persons. 1,782,973; Nov. 25.
 Pedal means for automatic pianos and the like. F. Volare. 1,749,403; Mar. 4.
 Pedal-operated switch. G. A. Burgess. 1,760,683; May 27.
 Pedal switch. A. D. Owen. 1,768,858; July 1.
 Pedestal bending machine. H. E. Harvey and E. K. Holmes. 1,750,103; Mar. 11.
 Pedestal, Counter-seat. L. M. Michelson. Des. 81,299; June 3.
 Pedestal for a goblet or similar article. C. C. Beam. Des. 82,655; Dec. 2.
 Pedestal for display fixtures. W. C. Candlish. Des. 81,383; June 17.
 Pedestal for electric lamps. H. J. Schmitt. Des. 80,290; Jan. 7.
 Pedestal for lavatory basin. G. Sakier. Des. 82,348; Oct. 21.
 Pedestal for railway cars. J. D. Thompson. 1,748,153; Feb. 25.
 Pedestal-gib lubricator. E. Latshaw. 1,745,222; Jan. 28.
 Pedestal, Supporting. A. Dina. 1,776,109; Sept. 16.
 Pedestal, Truck. G. F. Couch. 1,774,476; Aug. 26.
 Pediform articles, Apparatus for use in trimming hollow. W. J. De Witt. 1,754,818; Apr. 15.
 Peel-dusting machine for bakery purposes. J. Weber and H. Tietjen. 1,767,633; June 24.
 Peeler. P. F. Wobst. 1,752,768; Apr. 1.
 Peeling machine, Fruit-. H. and D. Goranson. 1,747,706; Feb. 18.
 Pellets, Method and apparatus for making. C. E. Linebarger. 1,762,693; June 10.
 Pelt-debairing machine. R. H. Plass. 1,782,662; Nov. 25.
 Pelt stretcher, Animal-. S. J. Falley. 1,768,400; June 24.
 Pelts, hairs, feathers, and the like, Dyeing. P. Virck. 1,778,819; Oct. 21.
 Pelts or furs, Marking. E. Fromm. 1,776,657; Sept. 23.
 Pen. R. F. George. 1,747,700; Feb. 18.
 Pen. W. C. Parmley. 1,752,392; Apr. 1.
 Pen and assembling same, Fountain. J. C. Wahl. 1,779,836; Oct. 28.
 Pen and blotter, Combined fountain. L. Toth. 1,769,321; July 1.
 Pen and pencil clip. H. Esterow. Des. 80,609; Mar. 4.
 Pen and pencil clip. C. E. Marshall. 1,783,736; Dec. 2.
 Pen and pencil clip. R. V. Spencer. 1,754,582; Apr. 15.
 Pen and stand therefor, Fountain. W. I. Ferris. 1,762,103; June 3.
 Pen attachment, Fountain-. C. E. Marshall. 1,783,734; Dec. 2.
 Pen attachment, Fountain-. F. A. Van Sant. 1,746,065; Feb. 4.
 Pen, Draftman's fountain and lettering. E. L. Delaney. 1,785,478; Dec. 16.
 Pen for drawing and ruling purposes. R. Blanckertz. 1,765,901; June 24.
 Pen, Fountain. F. M. Ashley. 1,746,758; Feb. 11.
 Pen, Fountain. R. Back. Des. 81,223; May 27.
 Pen, Fountain. R. Back. Des. 81,742; Aug. 5.
 Pen, Fountain. E. C. Berry. 1,755,586; Apr. 22.
 Pen, Fountain. P. Z. Blosser. Des. 82,309; Oct. 21.
 Pen, Fountain. A. E. Chapman. 1,744,951; Jan. 28.
 Pen, Fountain. R. Debenedetti. 1,775,068; Sept. 2.
 Pen, Fountain. W. C. Ford. 1,781,504; Nov. 11.
 Pen, Fountain. R. A. Fritsch. 1,760,824; May 27.
 Pen, Fountain. R. A. Fritsch. 1,775,899; Sept. 19.
 Pen, Fountain. R. A. Fritsch. 1,772,628; Aug. 12.
 Pen, Fountain. H. A. Funk. 1,778,758; Oct. 21.
 Pen, Fountain. H. Garabedian. 1,776,384; Sept. 23.
 Pen, Fountain. A. Goldknopf. 1,785,680; Dec. 16.
 Pen, Fountain. J. R. Hume. 1,762,554; June 10.
 Pen, Fountain. J. A. Kiedrowski. 1,783,090; Nov. 25.
 Pen, Fountain. M. Kolber. 1,780,527; Nov. 4.
 Pen, Fountain. E. Kratochvil. 1,783,436; Dec. 2.
 Pen, Fountain. F. J. Kristofek. 1,742,264; Jan. 7.
 Pen, Fountain. F. J. Kristofek. 1,772,608; Aug. 12.
 Pen, Fountain. G. Larsen. Des. 81,248; May 27.
 Pen, Fountain. R. P. Markstein. 1,743,786; Jan. 14.
 Pen, Fountain. G. Moses. 1,778,195; Oct. 14.
 Pen, Fountain. D. D. Mungen and R. Back. 1,787,406; Dec. 30.
 Pen, Fountain. K. S. Parker. Des. 81,254; May 27.
 Pen, Fountain. A. S. Romero. 1,764,470; June 17.
 Pen, Fountain. J. Salz. 1,777,736; Oct. 7.
 Pen, Fountain. H. Stein. 1,766,728; June 24.
 Pen, Fountain-feed drawing. J. Szlnay. 1,767,562; June 24.
 Pen gun, Fountain-. F. L. Huguenin. 1,752,178; Mar. 25.
 Penholder. I. C. Bradley. 1,761,903; June 3.
 Penholder. J. T. and G. K. Johnson. 1,745,799; Feb. 4.
 Penholder. C. B. Suiter. 1,763,829; June 17.
 Penholder, Finger. F. H. MacDonald. 1,751,704; Mar. 25.
 Pen housing, Fountain-. C. R. Williams. 1,780,546; Nov. 4.
 Pen, Lettering. R. F. George. 1,747,701; Feb. 18.
 Pen, Lettering and drawing. R. F. George. 1,774,262; Aug. 26.
 Pen, lever filler, Fountain. E. C. Franzmann. 1,751,855; Mar. 25.
 Pen or similar article, Fountain. M. Gold. Des. 81,002; Apr. 22.
 Pen refill indicator, Fountain-. O. R. Terry. 1,783,681; Dec. 2.
 Pen, Refillable. C. J. Korndorfer and L. T. Hand. 1,775,350; Sept. 9.
 Pen, Reservoir. T. Kovacs. 1,750,410; Mar. 11.
 Pen, Self-filling reservoir drawing. E. F. White. 1,776,645; Sept. 23.
 Pen supporter. G. D. Bradshaw. 1,761,176; June 3.
 Pen, Writing. G. J. Sengbusch. 1,767,189; June 24.
 Pens, Blotter attachment for fountain. R. Steudte. 1,759,596; May 20.
 Pens, Device for automatically filling fountain. A. Simoni. 1,784,078; Dec. 9.
 Pens, Device for timely opening and closing of the flap of fountain. R. P. Markstein. 1,786,355; Dec. 23.
 Pens, Feed for self-filling fountain. P. S. Walker. 1,774,248; Aug. 26.
 Pencil. R. Back. Des. 81,741; Aug. 5.
 Pencil. C. Coby. Des. 81,435; June 24.
 Pencil. D. L. Davis. Des. 81,529; July 8.
 Pencil. V. H. Forssman. 1,772,309; Aug. 5.
 Pencil. F. Furedy. Des. 82,821; Dec. 16.
 Pencil. E. Grosz. 1,769,572; July 1.
 Pencil. E. Klagges. 1,755,326; Apr. 22.
 Pencil. J. P. Lynn. 1,772,051; Aug. 5.
 Pencil. P. J. O'Sullivan. 1,756,953; May 6.
 Pencil. P. J. O'Sullivan. 1,761,407; June 3.
 Pencil. P. A. Sharrow. 1,780,405; Nov. 4.
 Pencil and lighter, Combined. W. P. Aron. 1,750,255; Mar. 11.
 Pencil and mirror container, Cosmetic. A. G. Shields. 1,745,869; Feb. 4.
 Pencil and sharpener. B. D. Levi. 1,755,509; Apr. 22.
 Pencil attachment. P. Richie. 1,763,327; June 10.
 Pencil attachment. J. C. Taylor. 1,767,948; June 24.
 Pencil, Chuck-type. F. E. Meyer. 1,745,226; Jan. 28.
 Pencil, Combination. F. de la Torre. 1,785,187; Dec. 16.
 Pencil, Double-end. C. R. Keeran. 1,772,868; Aug. 12.
 Pencil, Electric waxing. F. C. Kromer, jr. 1,769,437; July 1.
 Pencil, Ever-pointed. P. Barberon. 1,759,931; May 27.
 Pencil having a sharpening device for the lead. A. Diller. 1,780,581; Nov. 4.
 Pencil, Lead. B. C. Becker. 1,745,658; Feb. 4.
 Pencil, Lead. B. C. Becker. 1,777,871; Oct. 7.
 Pencil, Lead. E. F. Pierce and J. D. Dickinson. 1,750,647; Mar. 18.
 Pencil, Magazine. W. F. Bull. 1,777,031; Sept. 30.
 Pencil, Magazine. D. H. Douglas. 1,764,156; June 17.
 Pencil, Magazine. W. T. Maloney. 1,742,711; Jan. 7.
 Pencil, Magazine. L. E. Melendez. 1,780,207; Nov. 4.
 Pencil, Magazine. A. Woelm. 1,762,317-18; June 10.
 Pencil, Mechanical. R. C. Chelton and C. A. Keeran. 1,774,699; Sept. 2.
 Pencil, Mechanical. W. R. Cuthbert and E. W. Sodeberg. Des. 80,362; Jan. 21.
 Pencil, Mechanical. H. A. Gardner. Des. 81,577; July 15.
 Pencil, Mechanical. E. G. E. Hogner. 1,746,474; Feb. 11.
 Pencil, Mechanical. D. Kahn. Des. 81,748; Aug. 5.
 Pencil, Mechanical. C. R. Keeran. 1,768,694; July 1.
 Pencil, Mechanical. L. J. Most. Des. 81,756; Aug. 5.
 Pencil, Mechanical. L. C. Piatt. 1,779,854; Oct. 28.
 Pencil, Mechanical. R. B. Tavenner. 1,785,881; Dec. 23.
 Pencil, Mechanical. E. C. Tuggle. 1,757,884; May 6.
 Pencil, Mechanical. H. Turner. 1,766,271; June 24.
 Pencil, Mechanically-fed lead. R. C. Stowe. 1,754,002; Apr. 8.
 Pencil, Multicolor. P. Kohler. 1,786,434; Dec. 30.
 Pencil or similar article. H. R. and A. A. Thomas. Des. 80,645-6; Mar. 4.
 Pencil pointer. W. L. Uhl. 1,747,269; Feb. 18.
 Pencil sharpener. G. F. Ballou. 1,774,584; Sept. 2.
 Pencil, Styptic. J. M. Schneider. 1,761,025; June 3.
 Pencil tip. F. J. Kristofek. 1,752,563; Apr. 1.
 Pencils and the like, Attachment for. H. J. Kaiser. 1,747,674; Feb. 18.
 Pencils, Apparatus for the manufacture of. W. H. Burden and R. E. Friedlein. 1,783,997; Dec. 9.
 Pencils, Attachment for. H. P. K. Hansen. 1,765,151; June 17.
 Pendulum. W. C. Roe. 1,771,383; July 22.
 Pendulum hardness tester. E. von Leesen. 1,781,615; Nov. 11.
 Pendulum weigher. F. Bandhauer. 1,760,034; May 27.
 Pennmanship, Device for teaching. R. A. Kuntzleman. 1,783,657; Dec. 2.
 Penny multiple register. J. F. Ohmer, jr. 1,763,718; June 17.
 Pentaerythrite ethers and preparing them. C. E. Burke. 1,774,500; Sept. 2.
 Perambulator and the like, Folding. W. Lines. 1,779,742; Oct. 28.
 Percentage feeder. G. H. Hebebrand. 1,760,407; May 27.
 Perch, Bird. T. J. Klein. 1,747,476; Feb. 18.
 Perch cleaner, Bird-cage. F. Ferris. 1,759,739; May 20.
 Percolator. J. P. Halstead and H. M. A. Strauss. 1,743,342; Jan. 14.
 Percolator. C. Mitchell. 1,765,934; June 24.
 Percolator. A. D. Olds. Des. 81,063-4; Apr. 29.
 Percolator. H. H. Schott. Des. 82,285; Oct. 14.
 Percolator and strainer. J. W. Bugg. 1,767,915; June 24.
 Percolator and the like and heating element therefor. E. L. Wiegand. 1,778,926; Oct. 21.
 Percolator attachment. B. Russell. 1,787,394; Dec. 30.

- Percolator, Coffee. C. C. Armstrong. Des. 80,717; Mar. 18.
- Percolator, Coffee. R. T. Cameron. 1,778,792; Oct. 21.
- Percolator, Coffee. J. Dym. 1,782,958; Nov. 25.
- Percolator, Coffee. R. W. Hagel. 1,754,553; Apr. 15.
- Percolator, Coffee. H. Lamplota. 1,759,121; May 20.
- Percolator, Coffee. R. H. Wentorf. 1,769,729; July 1.
- Percolator, Electric. R. Koenig and W. S. Marvin. 1,753,863; Apr. 8.
- Percussion device. G. L. Rock. 1,744,802; Jan. 28.
- Percussive device. C. R. Soderberg. 1,768,718; July 1.
- Perforating and printing machine, Portable. J. R. Peirce. 1,775,172; Sept. 9.
- Perforating device. W. W. McCain. 1,781,819; Nov. 18.
- Perforating machine. R. A. Haupt. 1,747,240; Feb. 18.
- Perforating machine. I. J. McCullough and M. S. Black. 1,760,075; May 27.
- Perforating machine and the like. R. Head. 1,753,148; Apr. 1.
- Perforating machine, Strip-. A. S. Howell. 1,782,570; Nov. 25.
- Perforating the cores of yarn packages, Method and apparatus for. W. N. Gere. 1,762,222; June 10.
- Perforator. J. E. Long. 1,757,914; May 6.
- Perforator, Automatic visible-card. W. W. Lasker. 1,763,163; June 10.
- Perforator, Drum-controlled repeating. B. K. F. Ewald. 1,750,216; Mar. 11.
- Perfumery. E. E. Reid. 1,786,630; Dec. 30.
- Periscope. L. S. Shively. 1,748,624; Feb. 25.
- Periscope, Rear-vision. J. A. O'Rourke. 1,745,862; Feb. 4.
- Permanent mold. J. W. Bettendorf. 1,746,301; Feb. 11.
- Permanent waves in hair, Device for effecting. A. M. Gay. 1,774,323; Aug. 26.
- Permanent-waving tube. H. Block. 1,760,736; May 27.
- Permutation lock. J. Feldmeyer. 1,772,076; Aug. 5.
- Permutation lock. A. G. Hatch. 1,781,510; Nov. 11.
- Permutation lock. V. T. Julin. 1,758,608; May 13.
- Permutation lock. K. Litzelberger. 1,755,996; Apr. 22.
- Permutation lock. T. Nicolson. 1,747,316; Feb. 18.
- Peroxide bleaching agent and preparing the same, Unsymmetrical organic. W. B. Stoddard, R. V. Townsend, and V. R. Kokatnur. 1,754,913; Apr. 15.
- Peroxide solution, Stabilized. G. Baum. 1,758,920; May 20.
- Perpetual pad. A. Bildstein. 1,757,287; May 6.
- Petrolatum and the like and product obtained thereby, Preparing. F. Lavirotte. 1,785,270; Dec. 16.
- Petrolatum from hydrocarbon oils, Removal of. R. S. Lane and S. A. Montgomery. 1,744,648; Jan. 21.
- Petroleum and mineral oils and their different fractions, Cracking. P. Nachtseim. 1,758,618; May 13.
- Petroleum, Apparatus for treating crude. G. A. Stafford and C. D. Cook. 1,749,235; Mar. 4.
- Petroleum, Deodorizing. A. E. Pew, jr. 1,761,152; June 3.
- Petroleum distillation. A. McD. McAfee and B. H. Barnes. 1,774,559; Sept. 2.
- Petroleum emulsions, Apparatus for breaking up. J. D. Brady. 1,754,079; Apr. 8.
- Petroleum emulsions, Breaking. E. E. Claytor. 1,773,517; Aug. 19.
- Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 1,766,061-2; June 24.
- Petroleum emulsions, Breaking. M. De Groote and L. T. Monson. 1,766,057-60; June 24.
- Petroleum emulsions, Breaking. M. De Groote and L. T. Monson. 1,766,063-5; June 24.
- Petroleum emulsions, Breaking. M. De Groote and L. T. Monson. 1,766,112; June 24.
- Petroleum emulsions, Breaking. M. De Groote and L. T. Monson. 1,780,343; Nov. 4.
- Petroleum emulsions, Breaking. M. De Groote and A. F. Wirtel. 1,766,066; June 24.
- Petroleum emulsions, Breaking. M. De Groote, L. T. Monson, and A. F. Wirtel. 1,766,067; June 24.
- Petroleum emulsions, Breaking. M. De Groote, L. T. Monson, and A. F. Wirtel. 1,780,344-5; Nov. 4.
- Petroleum hydrocarbons, Cracking and processing. J. C. Black. 1,782,676; Nov. 25.
- Petroleum hydrocarbons, Treating. R. Cross. 1,775,067; Sept. 2.
- Petroleum hydrocarbons with alcohol, Apparatus for fractionally extracting. T. A. Werkenthin. 1,781,420; Nov. 11.
- Petroleum hydrocarbons with alcohol, Process and apparatus for the fractional extraction of. T. A. Werkenthin. 1,766,768; June 24.
- Petroleum hydrocarbons with alcohol, Process for fractionally extracting. T. A. Werkenthin. 1,781,421; Nov. 11.
- Petroleum hydrocarbons with alcohol, Process of and apparatus for the fractional extraction of. T. A. Werkenthin. 1,783,203; Dec. 2.
- Petroleum liquid, Distillate. J. B. Rather and L. C. Beard, jr. 1,776,598; Sept. 23.
- Petroleum oil, Converting. G. Egloff and J. C. Morrell. 1,783,231; Dec. 2.
- Petroleum oil, Cracking. C. P. Dubbs. 1,783,228; Dec. 2.
- Petroleum oil, Method of and apparatus for cracking. J. Primrose. 1,769,459; July 1.
- Petroleum oil, Method of and apparatus for dehydrating. H. C. Eddy. 1,779,695; Oct. 28.
- Petroleum oil, Process and apparatus for cracking. J. C. Morrell and H. P. Benner. 1,767,695; June 24.
- Petroleum oils, Process and apparatus for treating. W. M. Cross. 1,744,262; Jan. 21.
- Petroleum oils and products derived therefrom, Treatment of. F. G. Ring and P. G. Paris. 1,775,052; Sept. 2.
- Petroleum, Process and apparatus for stabilizing crude. F. B. Bimel. 1,767,341; June 24.
- Petroleum products, Transporting. H. A. Scharpenberg. 1,762,423; June 10.
- Petroleum products, Treatment of. F. B. Muhlenberg. 1,750,420; Mar. 11.
- Petroleum vapors, Alkaline treatment of. R. C. Wheeler and P. W. Prutzman. 1,784,262; Dec. 9.
- Pharmaceutical compound and making same. W. T. Winckler. 1,751,964; Mar. 25.
- Pharmaceutical product. W. Schulemann, A. Wingler, and F. Mietzsch. 1,766,403; June 24.
- Pharmaceutical product and making same. E. Starkenstein. 1,786,873; Dec. 30.
- Pharmaceutical products, Manufacture of new. W. Schulemann, F. Schönhöfer, and A. Wingler. 1,747,531; Feb. 18.
- Pharmaceutical products, Manufacture of new. W. Schulemann, F. Schönhöfer, and A. Wingler. 1,760,781; May 27.
- Phase-changing apparatus. H. L. Tanner. 1,753,322; Apr. 8.
- Phenate, Manufacture of. W. H. Williams and E. C. Britton. 1,756,110; Apr. 29.
- Phenol-carbohydrate resin and making same. J. McIntosh. 1,753,030; Apr. 1.
- Phenol compounds from dihydroxy-diphenyl-methane derivatives, Preparation of. H. Jordan. 1,778,858; Oct. 21.
- Phenol compounds, Production of hydrogenated. H. Jordan. 1,771,089; July 22.
- Phenols, Producing. H. Jordan, W. Schoeller, and R. Clerc. 1,784,599; Dec. 9.
- Phenols, Production of alkylated. H. Jordan. 1,782,966; Nov. 25.
- Phenols, Sulphurized compounds of. A. Thauss. 1,757,400; May 6.
- Phenylmercuric acetate, Manufacturing of. C. Taube. 1,786,094; Dec. 23.
- Phone unit. J. S. Timmons. 1,748,806; Feb. 25.
- Phonofilms, Process and apparatus for the production and reproduction of. E. Gerlach. 1,767,790; June 24.
- Phonogram carriers suitable to be played off, Directly producing. A. Chmielowski. 1,754,935; Apr. 15.
- Phonograph. A. V. Bodine. 1,760,628; May 27.
- Phonograph. R. Brenchley. 1,781,679; Nov. 18.
- Phonograph. A. A. Johnson. 1,771,087; July 22.
- Phonograph. H. J. King. 1,783,723; Dec. 2.
- Phonograph. J. M. Lucarelle and J. E. Renholdt. 1,759,654; May 20.
- Phonograph. W. W. McLaren. 1,745,551; Feb. 4.
- Phonograph. E. E. Pinkerton. 1,764,977; June 17.
- Phonograph and radio apparatus, Combined. L. P. Horning, jr. 1,768,065; June 24.
- Phonograph and radiocabinet, Combined electrical. H. L. Griggs. 1,753,986; Apr. 8.
- Phonograph apparatus, Electrical. J. N. Ray. 1,778,509; Oct. 14.
- Phonograph bezel. H. R. Naylor. 1,786,445; Dec. 30.
- Phonograph, Cabinet. F. C. Hinckley. 1,776,905; Sept. 30.
- Phonograph case. A. E. Wright. 1,774,345; Aug. 26.
- Phonograph construction. O. R. Grass. 1,766,992; June 24.
- Phonograph construction. H. Wiener. 1,752,357; Apr. 1.
- Phonograph, Electric. C. F. Goudy. 1,749,072; Mar. 4.
- Phonograph, Electric. A. A. Thomas. 1,765,707; June 24.
- Phonograph, Electric. A. A. Thomas. 1,766,206; June 24.
- Phonograph, Electric. A. A. Thomas. 1,776,987; Sept. 30.
- Phonograph, Electrically-operated. H. S. Worrell and E. G. Wheeler. 1,747,688; Feb. 18.
- Phonograph machine. G. W. Pickard. 1,744,838; Jan. 28.
- Phonograph motor, Electric. H. P. Dorn. 1,758,189-91; May 13.
- Phonograph needle. L. A. Morrison. 1,784,845; Dec. 16.
- Phonograph pick-up. C. F. Goudy. 1,750,304; Mar. 11.
- Phonograph pick-up. O. B. Parker. 1,756,012; Apr. 22.
- Phonograph pick-up. O. B. Parker. 1,779,247; Oct. 21.
- Phonograph pick-up. S. Ruben. 1,757,547; May 6.
- Phonograph pick-up apparatus. J. Dieux. 1,778,211; Oct. 14.
- Phonograph pick-up apparatus. H. A. Summers and S. A. Sollie. 1,769,902; July 1.
- Phonograph pick-up or similar article, Electric. C. F. Goudy. Des. 80,367; Jan. 21.
- Phonograph pick-up or similar article, Electric. C. F. Goudy. Des. 81,690; July 29.
- Phonograph pick-up. Piezo-electric. C. W. Hough. 1,761,831; June 3.
- Phonograph record. I. E. Neft. 1,751,166; Mar. 18.
- Phonograph record and treating same. R. Knopp. 1,761,212; June 3.
- Phonograph-record attachment. J. J. Jones. 1,776,470; Sept. 23.
- Phonograph records, Electric pickup for. H. J. Toegel. 1,785,157; Dec. 16.
- Phonograph reproducer. J. J. Jakosky. 1,764,957; June 17.
- Phonograph reproducer. H. S. Nelson. Re17,796; Sept. 9.
- Phonograph reproducer. A. A. Thomas. 1,745,776; Feb. 4.
- Phonograph reproducer, Aeroplane. J. M. Coburn. 1,786,982; Dec. 30.

- Phonograph reproducer, Electric. C. F. Goudy. 1,779,231; Oct. 21.
- Phonograph reproducer, Electric. A. A. Thomas. 1,760,092; May 27.
- Phonograph starting and stopping device. J. B. Nock and C. J. Nock. 1,759,460; May 20.
- Phonograph stop. A. V. Bodine. 1,754,454; Apr. 15.
- Phonograph stop. W. C. Roe. 1,784,391; Dec. 9.
- Phonograph stylus and sound box. A. E. Pasche. 1,750,351; Mar. 11.
- Phonograph, Synchronous motor-driven. C. I. Hall. 1,781,577; Nov. 11.
- Phonograph turntable. L. Bonsieur. 1,754,416; Apr. 15.
- Phonographs, Double-control device for. W. Rebikoff. 1,784,159; Dec. 9.
- Phonographs, Magnetic pick-up for. C. Y. Coronel. 1,777,036; Sept. 30.
- Phonographs, Needle-changing device for. J. R. Mitchell. 1,746,550; Feb. 11.
- Phonographs or the like, Volume-controlling device for automatic. B. E. Mills. 1,780,437; Nov. 4.
- Phonographs, Teaching attachment for. W. P. Kent. 1,784,489; Dec. 9.
- Phonographic recording. H. S. Worrell. 1,783,761; Dec. 2.
- Phonographic records, Electromagnetic pick-up device for. L. Thompson. 1,787,290; Dec. 30.
- Phosgene, Preparation of. R. Williams. 1,746,506; Feb. 11.
- Phosphate-bearing material, Concentration of. W. Trotter and E. W. Wilkinson. 1,761,546; June 3.
- Phosphate for fertilizing, Manufacturing a. E. Hammel. 1,786,651; Dec. 30.
- Phosphate, Manufacture of dicalcium. R. D. Pike. 1,753,478; Apr. 8.
- Phosphate rock, Digesting. W. H. Lohmann. 1,747,588; Feb. 18.
- Phosphatic material, Flotation concentration of. J. W. Littleford. 1,780,022; Oct. 28.
- Phosphoric material in an electric furnace, Smelting. W. R. Seyfried. 1,777,582; Oct. 7.
- Phosphates, Manufacture of triaryl. W. Gibson, C. B. Henshaw and J. P. Payman. 1,785,951; Dec. 23.
- Phosphatides, Purification of. H. Bollmann. 1,776,720; Sept. 23.
- Phosphide and process for making, Coated. F. Hebler. 1,757,713; May 6.
- Phosphoric acid and the like, Purifying. A. H. Fiske. 1,787,192; Dec. 30.
- Phosphoric esters of aliphatic alcohols, Production of. F. Nicolai. 1,766,721; June 24.
- Phosphorus compound from animal proteids and manufacture thereof. S. and T. Posternak. 1,743,003; Jan. 7.
- Phosphorus, Producing. J. W. Walton. 1,772,849; Aug. 12.
- Photochemical process. H. S. Taylor. 1,746,168; Feb. 4.
- Photo-electric cell. R. K. Potter. 1,759,915; May 27.
- Photo-electric cell. R. K. Potter. 1,777,378; Oct. 7.
- Photo-electric cell and producing the same. R. C. Burt. 1,776,993; Sept. 30.
- Photoelectric currents, Method and arrangement for amplifying. F. Schröter. 1,770,497; July 15.
- Photo-electric device. V. K. Zworykin. 1,763,207; June 10.
- Photo-electric photometer. H. A. Smith. 1,762,748; June 10.
- Photo-engraver's printing frame. W. J. Adam. 1,750,253; Mar. 11.
- Photograph-enlarging apparatus. C. F. Smith. 1,748,523; Feb. 25.
- Photograph mount. W. J. Helmquest. Des. 82,374; Oct. 28.
- Photographer's flash gun. H. R. Stott. 1,755,707; Apr. 22.
- Photographic apparatus. G. C. Beldler. 1,757,001; May 6.
- Photographic apparatus. S. and G. Eilenberg. 1,771,844; July 29.
- Photographic apparatus. E. O. Goldbeck. 1,787,309; Dec. 30.
- Photographic apparatus. J. S. Greene. 1,777,488; Oct. 7.
- Photographic apparatus. E. Labrély. 1,744,773; Jan. 28.
- Photographic apparatus. P. Landrock. 1,780,489; Nov. 4.
- Photographic apparatus, Pose-reflecting system for. L. G. Simjian. 1,756,959; May 6.
- Photographic cartridge. E. C. Fritts. 1,784,281; Dec. 9.
- Photographic chemical process and material. O. A. Hall. 1,752,174; Mar. 25.
- Photographic coating, Antiabrasion. S. E. Sheppard and J. G. McNally. 1,762,935; June 10.
- Photographic copies for facsimile transmission, Correcting. R. H. Ranger. 1,755,561; Apr. 22.
- Photographic-copying apparatus. E. Schlesinger. 1,745,956; Feb. 4.
- Photographic cut-out. C. Halpern. 1,763,652; June 17.
- Photographic device. A. S. Howell. 1,787,198; Dec. 30.
- Photographic disk. D. A. McCowan. 1,757,130; May 6.
- Photographic-film-cartridge-paster-supplying machine. J. G. Jones and H. G. Dewey. 1,742,814; Jan. 7.
- Photographic-film package. J. L. Garretson. 1,767,972; June 24.
- Photographic fractional exposures, Apparatus for making. W. C. Huebner. 1,780,191; Nov. 4.
- Photographic images, Obtaining. E. Gay. 1,751,318; Mar. 18.
- Photographic images, Production of. H. D. Murray. 1,753,059; Apr. 1.
- Photographic lens shutter. A. Gauthier. 1,751,808; Mar. 25.
- Photographic materials and new photographic developers, Developing. G. Reddelien and W. Müller. 1,758,762; May 13.
- Photographic materials and new photographic developers, Developing. G. Reddelien and W. Müller. 1,758,892; May 13.
- Photographic objective. A. F. Shore. 1,776,398; Sept. 23.
- Photographic-print drier. E. S. Hopkins. 1,763,629; June 10.
- Photographic-print-treating apparatus. J. S. Greene. 1,747,363; Feb. 18.
- Photographic-print washer. D. C. McCandless. 1,746,667; Feb. 11.
- Photographic printer. R. S. Hopkins. 1,763,630; June 10.
- Photographic printer. J. J. Risdon. 1,752,458; Apr. 1.
- Photographic-printer vignetting apparatus. R. S. Hopkins. 1,742,811; Jan. 7.
- Photographic printing. F. E. Garbutt. 1,756,426; Apr. 29.
- Photographic-printing apparatus. W. C. Huebner. 1,780,678; Nov. 4.
- Photographic-printing apparatus. A. L. Mayer. 1,744,323; Jan. 21.
- Photographic-printing device. R. F. Crane. 1,780,701; Nov. 4.
- Photographic-printing exposures, Automatic control for. C. M. Tuttle and H. E. White. 1,742,943; Jan. 7.
- Photographic-printing machine. A. S. Howell. 1,758,700; May 13.
- Photographic prints, Drying of. S. J. N. Lloyd. 1,750,674; Mar. 18.
- Photographic records, Apparatus for producing. T. W. Case. 1,759,434; May 20.
- Photographic records of light variations corresponding to sound variations, Apparatus for producing. T. W. Case. 1,747,225; Feb. 18.
- Photographic reproducing apparatus. M. Kousminsky. 1,765,277; June 17.
- Photographic reproduction apparatus. C. Arana. 1,781,044; Nov. 11.
- Photographic reproduction objective with two diaphragms and its application as in printing positives for black and white cinematography, color cinematography, or cinematography in relief. H. Chrétien. 1,783,998; Dec. 9.
- Photographic resist and photographic etching. A. B. Davis. 1,751,909; Mar. 25.
- Photographic reversal process. M. W. Seymour. 1,762,936; June 10.
- Photographic-shutter blade-actuating mechanism. W. A. Riddell. 1,754,202; Apr. 8.
- Photographic sound recording and reproducing, Process and apparatus for. J. Engl, H. Vogt, and J. Massolle. 1,756,681; Apr. 29.
- Photographic subjects, Apparatus for lighting. C. W. Bhosys. 1,747,416; Feb. 18.
- Photographic views, Apparatus for the enlargement and the screen projection of. E. Oehmichen. 1,776,040; Sept. 16.
- Photographing apparatus. G. C. Beldler. 1,743,311; Jan. 14.
- Photographing apparatus. G. L. McCarthy and A. Novick. 1,748,489; Feb. 25.
- Photographs, Making colored. G. N. Pifer. 1,751,881; Mar. 25.
- Photographs, Making composite. R. J. Pomeroy. 1,755,129-30; Apr. 15.
- Photographs with free cameras, Means for obtaining very sharp. R. Wörsching. 1,766,090; June 24.
- Photography and sound, Synchronized. H. W. Rogers. 1,777,418; Oct. 7.
- Photography, Apparatus for color. H. N. Cox. 1,781,496; Nov. 11.
- Photography, Art of and apparatus for motion-picture. A. Ames, Jr. 1,783,399; Dec. 2.
- Photography, Color. W. V. D. Kelley. 1,753,379; Apr. 8.
- Photography, Color. I. Kitsée and D. C. Law. 1,775,938; Sept. 16.
- Photography, Color. P. A. Richard. 1,750,358; Mar. 11.
- Photography, Color. J. G. Zimmerman. 1,746,330; Feb. 11.
- Photography, Combined black and white and colored image. W. V. D. Kelley. 1,787,201; Dec. 30.
- Photography, Motion-picture. N. H. Mann. 1,760,156; May 27.
- Photography, Motion-picture color. P. M. Artigue. 1,772,622; Aug. 12.
- Photography, Sound-picture. L. de Forest. 1,777,828; Oct. 7.
- Photogravures, Method for. L. Hughes. 1,761,125; June 3.
- Photogravure-printing machine. W. Greaves. 1,744,466; Jan. 21.
- Photogravure roll. L. V. Casto. 1,773,949; Aug. 26.
- Photometer, Direct-reading. S. Wein. 1,779,574; Oct. 28.
- Photometer, Polarization. W. B. Rayton and H. F. Kurtz. 1,773,436; Aug. 19.
- Photometric apparatus. G. A. Long. 1,779,324; Oct. 21.
- Photolithographing process. S. A. Stapp. 1,767,414; June 24.

- Phototelegraphy. H. G. Bartholomew. 1,758,388; May 13.
 Photometer. K. Camp. 1,762,047; June 3.
 Photometer. C. W. Dake. 1,766,219; June 24.
 Physical and surgical apparatus. I. C. Mierley. 1,748,784; Feb. 25.
 Physical-culture apparatus. B. M. Mensendieck. 1,745,435; Feb. 4.
 Physics laboratory apparatus. M. B. Brenneeman. 1,782,644; Nov. 25.
 Physiologically-active substances, Isolation of certain. C. Funk. 1,745,788; Feb. 4.
 Piano. W. G. Betz. 1,769,284; July 1.
 Piano. J. H. Clark. 1,781,216; Nov. 11.
 Piano. E. B. Jones. 1,770,983; July 22.
 Piano. B. F. Laukandt. 1,748,777; Feb. 25.
 Piano. C. W. Pressley. 1,758,972; May 20.
 Piano and phonograph, Combined player. C. Doble. 1,765,261; June 17.
 Piano case, Player-. W. E. Janssen. 1,774,514; Sept. 2.
 Piano construction. L. B. Wing. 1,782,453; Nov. 25.
 Piano mechanism, Player-. H. O. Grau. 1,772,249; Aug. 5.
 Piano, Player. J. C. Arthur. 1,743,181; Jan. 14.
 Piano, Player. A. G. Gulbrandsen. 1,745,850; Feb. 4.
 Piano, Player. F. T. Kent. 1,754,391; Apr. 15.
 Piano, Player. H. Kinney. 1,743,458; Jan. 14.
 Piano, Sostenuto. S. Cooper. 1,780,670; Nov. 4.
 Piano, Triple. T. Schiltz. 1,747,459; Feb. 18.
 Pianos, Action for grand. F. Moser. 1,771,685; July 29.
 Pianos and the like, Playing device for. J. Poeltl. 1,775,865; Sept. 16.
 Pianos, Bridge for. W. Schwechten. 1,753,389; Apr. 8.
 Pianos, Expression device for automatic. J. H. Dickinson. 1,782,061; Nov. 18.
 Pianos, Mechanism for player. W. B. Tunstall. 1,783,319; Dec. 2.
 Pianos, Pneumatic striker unit for player. W. B. Tunstall. 1,765,112; June 17.
 Pianos, Sounding-board bridge for. F. Moser. 1,747,729; Feb. 18.
 Pianos, Tubing arrangement for automatic pneumatic. C. F. Stoddard. 1,777,684; Oct. 7.
 Pianoforte. R. H. Collen. 1,752,234; Mar. 25.
 Pianoforte action. E. E. Adams. 1,779,303; Oct. 21.
 Pick and dirt remover, Automatic construction. A. E. and U. G. Field and N. Harithas. 1,750,586; Mar. 11.
 Pick, Flexible mechanical. F. J. Martinez. 1,745,804; Feb. 4.
 Pick, Florist's. E. L. Bennett. 1,762,908; June 10.
 Pick for cleaning and treatment of the surfaces of objects, Vibrating. J. C. Schmidt. 1,745,384; Feb. 4.
 Pick for stringed musical instruments. G. D. Beauchamp. 1,787,136; Dec. 30.
 Pick, Ice. A. I. Platt. 1,781,475; Nov. 11.
 Pick, Mountain-climbing. M. O. Jung. 1,765,076; June 17.
 Pick-up. F. L. Capps and H. A. Summers. 1,760,114; May 27.
 Pick-up attachment for combines. G. V. Gilger. 1,780,472; Nov. 4.
 Pick-up switch, Automatically-operated. W. F. Cotter. 1,756,815; Apr. 29.
 Picker. *See*—
 Berry picker. Feather picker.
 Card picker. Fruit picker.
 Corn picker. Loom picker.
 Cotton-boll picker. Rope picker.
 Cotton picker.
 Picker. M. E. Everitt. 1,748,835; Feb. 25.
 Picker-stick guide and picker check. A. C. Varum and J. E. Birdsall. 1,775,259; Sept. 9.
 Picker-stick motion, Parallel. E. E. Talbot. 1,748,029; Feb. 18.
 Picker-stick parallel motion. E. N. Hatcher. 1,772,808; Aug. 12.
 Picker with leather nose. S. J. Danerhirsch. 1,745,082; Jan. 28.
 Pickled sheets, Annealing. W. E. Caugherty. 1,745,403; Feb. 4.
 Pickling apparatus. S. L. Williams. 1,755,719; Apr. 22.
 Pickling composition. H. J. John. 1,776,858; Sept. 30.
 Pickling machine, Continuous. C. B. Palmer and K. Kronborg. 1,745,636; Feb. 4.
 Pickling process, Continuous. H. M. Naugle and A. J. Townsend. 1,765,498; June 24.
 Pickling solution, Apparatus for heating. W. C. Siefert and G. W. Pawel. 1,782,482; Nov. 25.
 Pictorial reproduction in plaque. T. M. Bansfield. 1,758,876; May 13.
 Picture. F. Blau. 1,781,313; Nov. 11.
 Picture and sound reproduction, Synchronous motion. F. Von Madaler. 1,786,274; Dec. 23.
 Picture apparatus, Motion-. N. D. Anostchenko. 1,786,977; Dec. 30.
 Picture apparatus, Motion-. L. W. Bowen. 1,778,351; Oct. 14.
 Picture apparatus, Motion-. R. P. De Vault. 1,767,626; Mar. 18.
 Picture apparatus, Motion-. E. C. Fritts. 1,750,220; Mar. 11.
 Picture apparatus, Motion-. J. Proksa. 1,749,779; Mar. 11.
 Picture apparatus, Talking-. T. W. Case. 1,749,412; Mar. 4.
 Picture apparatus, Talking-. F. H. Owens. 1,751,876; Nov. 18.
 Picture apparatus, Talking-. F. H. Owens. 1,753,530; Apr. 8.
 Picture apparatus, Talking-. F. H. Owens. 1,786,026; Dec. 23.
 Picture apparatus, Self-threading motion-. A. Stuber and E. E. Underwood. 1,745,874; Feb. 4.
 Picture change-over device, Motion-. L. D. Strong. 1,771,590; July 29.
 Picture-copying machine. W. C. O'Hare. 1,777,622; Oct. 7.
 Picture device, Motion-. H. L. Morrow. 1,744,660; Jan. 21.
 Picture device, Moving-. C. W. Saalburg. 1,742,282; Jan. 7.
 Picture-enlarging apparatus. C. M. Gaxiola. 1,768,755; July 1.
 Picture films, Device for inspecting continuous. A. C. Sargent. 1,745,718; Feb. 4.
 Picture-film framing means, Adjusting mechanism for motion-. J. F. Adams. 1,758,639; May 13.
 Picture films, Strip-feeding mechanism for moving-. F. E. Garbutt and L. M. Griffith. 1,764,203; June 17.
 Picture frame. S. J. Attinger. Des. 82,410; Nov. 4.
 Picture frame. E. D. Becker. Des. 80,595; Feb. 25.
 Picture frame. E. H. Boese. 1,742,378; Jan. 7.
 Picture frame. C. F. Brecht. 1,759,432; May 20.
 Picture frame. O. Champlain, jr. 1,743,190; Jan. 14.
 Picture frame. M. J. Kaufman. 1,765,980; June 24.
 Picture frame. W. H. Lane. 1,779,069; Oct. 21.
 Picture frame. G. Levy. 1,743,361; Jan. 14.
 Picture frame. S. Maggio. Des. 82,842; Dec. 16.
 Picture frame. P. C. Ross. Des. 81,259; May 27.
 Picture-graph machine. L. H. Hutchinson. 1,749,767; Mar. 11.
 Picture hanger. S. Rosenblum. 1,757,739; May 6.
 Picture machine, Motion-. F. H. Avers. 1,762,378; June 10.
 Picture machine, Motion-. W. C. Readeker. 1,746,607; Feb. 11.
 Picture machine, Moving-. A. Papo and A. Gentilini. 1,780,311; Nov. 4.
 Picture machine, Talking-. T. W. Case. 1,781,945; Nov. 18.
 Picture mechanism, Moving-. A. G. Merriman. 1,773,594; Aug. 19.
 Picture mounting. A. E. Tout. 1,769,243; July 1.
 Picture-printing machine. S. L. Briggs. 1,783,953; Dec. 9.
 Picture-printing quality-detector device. C. B. Blethen. 1,744,862; Jan. 28.
 Picture-projecting apparatus, Motion-. C. M. Gottschau. 1,784,138; Dec. 9.
 Picture-projecting apparatus, Motion-. J. Proksa. 1,749,394; Mar. 4.
 Picture-projecting device, Motion-. A. J. Timoney. 1,753,222; Apr. 8.
 Picture-projecting machine. A. S. Howell. 1,752,951; Apr. 1.
 Picture-projecting machine, Motion-. T. A. Killman. 1,749,140; Mar. 4.
 Picture-projection machines, Pedestal lever for. A. Dina. 1,764,201; June 17.
 Picture projector and photographic sound-reproducing machine, Combined motion-. C. W. Ebeling. 1,786,903; Dec. 30.
 Picture projector, Motion-. A. C. Hayden. 1,784,097; Dec. 9.
 Picture projector, Motion-. C. L. Heisler. 1,778,635; Oct. 14.
 Picture projectors, Film framer for motion-. A. Sapier. 1,780,945; Nov. 11.
 Picture projectors, Rewinding mechanism for motion-. E. J. Nolan. 1,745,861; Feb. 4.
 Picture screen for use in connection with sound pictures, Moving-. W. J. Schoonmaker. 1,785,330; Dec. 16.
 Picture screen, Moving-. J. E. Kiernan. Des. 82,377; Oct. 28.
 Picture surfaces with technique, Dressing. L. W. Bliss. 1,772,927; Aug. 12.
 Picture-telegraph system. A. Korn. 1,745,018; Jan. 28.
 Picture telegraphy. H. J. Round. 1,759,594; May 20.
 Picture theater, Miniature motion-. A. F. Victor. 1,755,280; Apr. 22.
 Picture-title-making machine, Motion-. E. C. Fritts. 1,763,231; June 10.
 Picture transmission. C. W. Hansell. 1,751,584; Mar. 25.
 Picture transmission. H. E. Ives. 1,743,856; Jan. 14.
 Picture transmission. R. D. Kell. 1,748,883; Feb. 25.
 Picture transmission. F. Schröter. 1,784,850; Dec. 16.
 Picture transmission, Colored-. H. E. Ives. 1,742,543; Jan. 7.
 Picture transmission, Phase-correct coupling for. A. Karolus. 1,784,526; Dec. 9.
 Picture-transmission system. F. C. Crowe. 1,762,470; June 10.
 Picture-transmitting system. L. G. Abraham. 1,743,180; Jan. 14.
 Picture-transmission system. M. Kagelmann and A. Eulenhöfer. 1,747,978; Feb. 18.
 Picture-transmission system. M. Kagelmann and A. Eulenhöfer. 1,756,363; Apr. 29.
 Picture-transmission system. F. Schröter. 1,751,606; Mar. 25.

- Pictures against pocket mirrors, Attachment for holding. B. C. Melton. 1,784,970; Dec. 16.
- Pictures and sound-record films, Apparatus for producing unitary motion. E. H. Foley. 1,776,969; Sept. 30.
- Pictures and the like, Transmission of. O. Fulton. 1,759,303; May 20.
- Pictures and views, Transmission of. C. A. Sabbah. 1,747,988; Feb. 18.
- Pictures, Apparatus and method for use in the taking of motion-. C. L. Martino. 1,770,351; July 8.
- Pictures, Apparatus for producing distorted. G. W. Ford. 1,750,883; Mar. 18.
- Pictures, Apparatus for transmitting. R. D. Kell. 1,778,674; Oct. 14.
- Pictures consisting of dyes in photographic manner, Producing. F. Lieng. 1,758,572; May 13.
- Pictures, Electrical transmission of. C. A. Hoxie. 1,787,273; Dec. 30.
- Pictures, Electrical transmission of. A. Weaver. 1,783,321; Dec. 2.
- Pictures, etc., Automatically copying pictures and making printing plates for printing. H. Drewell. 1,782,717; Nov. 25.
- Pictures, images, and the like, Recording and reproducing. B. Rtscheuloff. 1,771,820; July 29.
- Pictures in colors, Producing. G. F. Capwell. 1,780,260; Nov. 4.
- Pictures, Making motion. P. Artigue. 1,742,680; Jan. 7.
- Pictures, Making motion. P. Artigue. 1,764,490; June 17.
- Pictures, Method of and apparatus for transmitting motion. C. F. Jenkins. 1,777,409; Oct. 7.
- Pictures on chromated gel-layers, Manufacture of photographic. N. Lebedenko. 1,785,635; Dec. 16.
- Pictures, Optical means for producing color cinematographic. K. Martin and P. Tietze. 1,752,680; Apr. 1.
- Pictures, Projection-screen for motion. C. A. Harson. 1,743,602; Jan. 14.
- Pictures, Taking moving. D. W. Griffith. 1,767,668; June 24.
- Pictures, Telegraphic transmission of. W. Skawran, O. Steiner and W. Lohs. 1,746,368; Feb. 11.
- Pictures to be produced by tanning action, Preparing. M. P. Schmidt, R. Zahn, and W. Krieger. 1,762,033; June 3.
- Pictures, Transmission of. E. F. W. Alexanderson. 1,752,876; Apr. 1.
- Pictures, Transmission of. E. F. W. Alexanderson and R. D. Kell. 1,783,031; Nov. 25.
- Pictures, Transmission of. R. D. Kell. 1,768,453; June 24.
- Pictures, Treating. T. L. Latter. 1,752,011; Mar. 25.
- Pictures with colored scenery, Device for exhibiting. L. O. Stockton. 1,774,917; Sept. 2.
- Pie pan. W. E. Burkard. 1,771,374; July 22.
- Pie pan. H. G. Sibbald. 1,746,614; Feb. 11.
- Pies, Apparatus for manufacturing. T. Corns. 1,752,837; Apr. 1.
- Piezo-electric crystal apparatus. A. Crossley. 1,766,036; June 24.
- Piezo-electric crystal apparatus. L. H. Dawson. 1,766,037; June 24.
- Piezo-electric crystal apparatus. R. H. Worrall. 1,763,288; June 10.
- Piezo-electric device. W. Hahnemann. 1,763,515; June 10.
- Piezo-electric crystal device, Composite. A. M. Nicolson. 1,766,042; June 24.
- Piezo-electric crystal modulation. A. M. Nicolson. 1,766,045; June 24.
- Piezo-electric elements, Production of. J. H. Christopher. 1,746,144; Feb. 4.
- Piezo-electric frequency eliminator. W. H. T. Holden. 1,742,252; Jan. 7.
- Piezo-electric resonators for the excitation of various overtones, Mounting. W. G. Cady. 1,782,117; Nov. 18.
- Piezo-electric torsion device, Internally-clamping composite. A. M. Nicolson. 1,766,043; June 24.
- Pig creep gate. E. A. Haynes. 1,757,426; May 6.
- Pigment. E. C. Holton. 1,778,975; Oct. 21.
- Pigment having insecticidal and fungicidal properties, and making same. E. A. Taylor. 1,766,412; June 24.
- Pigment, Producing a. D. V. Ault. 1,784,411; Dec. 9.
- Pigments containing titanium dioxide, Production of composite. J. Blumenfeld. 1,766,592; June 24.
- Pigments, Refining. H. Grossman. 1,774,510; Sept. 2.
- Pig mold. F. W. Coburn. 1,745,475; Feb. 4.
- Pigsty for rearing pigs. W. Lödige, jr. 1,765,925; June 24.
- Pike construction. E. C. Leach. 1,752,013; Mar. 25.
- Pile. E. A. Hardin. 1,759,786; May 20.
- Pile. I. Zeissl. 1,780,807; Nov. 4.
- Pile and wall construction. B. C. Collier. 1,761,614; June 3.
- Pile, Cast-in-place. J. H. Thornley. 1,778,925; Oct. 21.
- Pile, Composite. M. M. Upson. 1,786,968; Dec. 30.
- Pile drivers, Adjustable plumbing beam for. L. Pierce. 1,747,389; Feb. 18.
- Pile-driving apparatus. J. H. Thornley. 1,769,169; July 1.
- Pile-driving mechanism. W. E. Denise and A. W. Thwing. 1,769,774; July 1.
- Pile fabric. W. F. Miller. 1,787,051; Dec. 30.
- Pile fabric. W. Reiss. Des. 81,042; Apr. 22.
- Pile fabric. J. P. Stroud. 1,749,551; Mar. 4.
- Pile fabric and making the same. M. G. Curtis. 1,785,937; Dec. 23.
- Pile-forming machine, Zigzag-. W. H. Smith. 1,756,392; Apr. 22.
- Pile-wire head. G. Dalkowitz. 1,775,933; Sept. 16.
- Piler for rolled metal. C. H. Hunt. 1,748,226; Feb. 25.
- Piles, Apparatus for making concrete. F. W. Schwiers, jr. 1,779,643; Oct. 28.
- Piles, Forming. D. M. Newton. 1,742,926; Jan. 7.
- Piles in place, Making. J. H. Thornley. 1,775,217; Sept. 9.
- Pilgering mill. O. Bamberger. 1,744,731; Jan. 28.
- Piling and packing apparatus. A. D. Evans and J. K. Lamoree. 1,750,396; Mar. 11.
- Piling, Corrugated sheet-metal. A. Mauterer. 1,779,100; Oct. 21.
- Piling for subaqueous constructions. V. G. Brash. 1,742,947; Jan. 7.
- Pillar, Built-up partition. I. H. Morrison. 1,752,103; Mar. 25.
- Pillow. W. Kushlin, H. Kesner, and I. Oltsik. Des. 82,507; Nov. 11.
- Pillow. C. E. Soule. 1,775,444; Sept. 9.
- Pillow and cushion and casing for same. H. O. Lange. Re17,607; Feb. 25.
- Pillow slip, Duplex. G. Bertha. 1,775,061; Sept. 2.
- Pillow, Sofa. B. Comstock. 1,754,937; Apr. 15.
- Pillow, sunshade, and life preserver, Combined. C. Hermansen. 1,746,833; Feb. 11.
- Pilot, Automatic. E. A. Sperry, jr. 1,772,788; Aug. 12.
- Pilot, Automatic. E. A. Sperry, jr. 1,779,991; Oct. 28.
- Pilot for furnaces. O. H. Rodenberg. 1,783,676; Dec. 2.
- Pilot for ships, Automatic. E. A. Sperry, jr. 1,772,787; Aug. 12.
- Pilot structure, Deflecting. W. L. Lentz. 1,753,794; Apr. 8.
- Pilot-light burner. H. C. Caldwell. 1,743,912; Jan. 14.
- Pilot pin for rolling mills. E. G. Budd. 1,764,929; June 17.
- Pilot stem. E. A. Hall. 1,748,126; Feb. 25.
- Piloting device chiefly for aircraft, Auxiliary. R. Bernady. 1,758,592; May 13.
- Pimiento-coring machine. A. K. Smith. 1,775,918; Sept. 16.
- Pin: See—
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| Bouquet pin. | Piston pin. |
| Bowling pin. | Piston wrist pin. |
| Clamping pin. | Pushpin. |
| Collar pin. | Rolling pin. |
| Cotter pin. | Safety pin. |
| Coupling pin. | Shear pin. |
| Insulator pin. | Wrist pin. |
- Pin. L. Deutsch. Des. 81,374; June 17.
- Pin. C. G. King. 1,753,580; Apr. 8.
- Pin and mounting therefor. W. L. Hancock. 1,762,473; June 10.
- Pin board. H. Kirkpatrick. 1,765,164; June 17.
- Pinch bar. H. M. Howe. 1,781,329; Nov. 11.
- Pinch waver. A. and J. Goodman. 1,781,812; Nov. 18.
- Pin construction, Wrist-. H. Heiermann. 1,758,515; May 13.
- Pin cushion. D. H. Crosser. 1,758,737; May 13.
- Pincushion for spoons. L. R. Eddy. 1,742,696; Jan. 7.
- Pineapple and producing the same, Stabilized. C. S. Ash. 1,764,491; June 17.
- Pin fastener, Double-point-. G. A. King. 1,787,253; Dec. 30.
- Pin for chain belts, Upset lock. E. W. Goeser. 1,755,252; Apr. 29.
- Pin for holding golf tees. R. Marcher. Des. 82,685; Dec. 2.
- Pin for jigs, Work-locating. C. E. Pioch. 1,771,058; July 22.
- Pinholder. G. Boden. 1,783,215; Dec. 2.
- Pin holdfast, Double-. A. Lösch. 1,784,843; Dec. 16.
- Pinion mechanism. J. J. Boland. 1,744,743; Jan. 28.
- Pinion puller. F. H. Schwerin. 1,761,412; June 3.
- Pinion shaft of rear axle, Mounting for. T. C. Delaval-Crow. 1,781,219; Nov. 11.
- Pin lock. A. Durst. 1,745,250; Jan. 28.
- Pin magazine for bowling alleys. R. A. Williams. 1,784,084; Dec. 9.
- Pinning machine. A. D. Russell. 1,775,357; Sept. 9.
- Pinning sheets. H. Aaron. 1,758,679; May 13.
- Pin or similar article. R. C. Bangs. Des. 80,354; Jan. 21.
- Pin plate for molding flasks. C. H. Estes. 1,752,552; Apr. 1.
- Pin-staking machine, Base. J. E. Ferguson. 1,783,706; Dec. 2.
- Pin stem. R. T. Stafford. 1,781,737; Nov. 18.
- Pin stem, joint, and catch, Combined. F. A. Ballou, jr. 1,761,187; June 3.
- Pin thread for disk-bit mountings. H. H. Holdaway. 1,766,635; June 24.
- Pin-turning attachment, Center-. R. P. Skidmore and A. Voedisch. 1,760,530; May 27.
- Pinwheel. R. A. Hoppe. 1,769,784; July 1.
- Pipe: See—
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| Cast-iron pipe. | Irrigation pipe. |
| Concrete pipe. | Smoker's pipe. |
| Double wall pipe. | Smoking pipe. |
| Drill pipe. | Soil pipe. |
| Exhaust pipe. | Suction pipe. |
| Flexible pipe. | Tobacco pipe. |
- Pipe. E. Della. 1,783,605; Dec. 2.
- Pipe. E. Lucas. 1,756,695; Apr. 29.

- Pipe. R. W. Nicholls. 1,767,997; June 24.
 Pipe-anchoring means. V. H. Harbert. 1,755,394; Apr. 22.
 Pipe and making it. J. C. Mitchell. 1,770,180; July 8.
 Pipe and making the same, Cast-metal. D. H. Meloche. 1,770,858; July 15.
 Pipe and manufacturing the same, Electrically-welded. B. T. Andren. 1,759,427; May 20.
 Pipe and tube bender. W. E. Holsclaw and H. E. Holsclaw. Re17,732; July 15.
 Pipe, Apparatus for the manufacture of spiral. V. Gladkov. 1,773,994; Aug. 26.
 Pipe assembly, Flexible. E. W. Patterson. 1,785,095; Dec. 16.
 Pipe bender. M. E. Johnson. 1,762,230; June 10.
 Pipe, Bending. H. E. Harvey. 1,775,762; Sept. 16.
 Pipe-bending device. J. Sundgren. 1,742,489; Jan. 7.
 Pipe-bending machine. H. L. Liberty. 1,757,806; May 6.
 Pipe-bending machine and method. H. E. Harvey. 1,775,760; Sept. 16.
 Pipe-casting machine, Centrifugal. J. H. Uhrig. 1,746,374; Feb. 11.
 Pipe clamp. C. Harter. 1,749,135; Mar. 4.
 Pipe clamp. L. A. Hoerr. 1,757,570; May 6.
 Pipe clamp. L. A. Hoerr and F. K. Habenicht. 1,773,142; Aug. 19.
 Pipe clamp. W. E. Lahey. 1,783,509; Dec. 2.
 Pipe clamp. R. J. Sheehan. 1,774,530; Sept. 2.
 Pipe clamp. M. B. Skinner. 1,745,279; Jan. 28.
 Pipe cleaner. A. B. Mensing. 1,770,622; July 15.
 Pipe cleaner, Drain-. B. L. Brown. 1,762,608; June 10.
 Pipe cleaner, Locomotive sand-. T. McGarigal. 1,778,160; Oct. 14.
 Pipe cleaner, Sewer-. C. C. Windhurst. 1,761,324; June 3.
 Pipe cleaner, Sewer-. A. E. Wright. 1,777,064; Sept. 30.
 Pipe cleaner, Sink-. J. T. Lindstrom. 1,760,704; May 27.
 Pipe-cleaning or cable-laying device. M. Seidel. 1,761,592; June 3.
 Pipe clean-out fitting. M. W. Pysher and F. L. Pysher. 1,759,803; May 20.
 Pipe connector, Automatic train-. J. Robinson. 1,759,372; May 20.
 Pipe connector, Steam-. G. D. Sprankle. 1,756,668; Apr. 29.
 Pipe connection. P. J. Lindgren. 1,784,637; Dec. 9.
 Pipe connection, Sheet-metal vent-. E. W. N. Boosey. 1,774,631; Sept. 2.
 Pipe coupling. F. E. Comer. 1,786,825; Dec. 30.
 Pipe coupling. A. Kalo. 1,749,944; Mar. 11.
 Pipe coupling. H. Srulowitz. 1,754,127; Apr. 8.
 Pipe coupling. A. W. Wheaton. 1,778,739; Oct. 21.
 Pipe coupling. H. Woodhead. 1,756,417; Apr. 29.
 Pipe coupling, Automatic train-. C. E. Pharo. 1,780,795; Nov. 4.
 Pipe coupling, Automatic train-. J. Robinson. 1,749,845; Mar. 11.
 Pipe coupling, Automatic train-. J. Robinson. 1,762,032; June 3.
 Pipe coupling, Train-. J. E. Forsyth. 1,776,067; Sept. 16.
 Pipe coupling, Well-. E. C. Wilson. 1,760,930; June 3.
 Pipe curb box, Service-. E. L. Nuebling. 1,757,055; May 6.
 Pipe cutter. S. O. Braden. 1,777,713; Oct. 7.
 Pipe cutter. E. V. Cousineau. 1,773,096; Aug. 19.
 Pipe cutter. R. A. Lincoln. 1,748,357; Feb. 25.
 Pipe cutter. W. W. Vosper. 1,749,861; Mar. 11.
 Pipe cutter, Inside. H. J. Denney. 1,772,710; Aug. 12.
 Pipe die. L. Cox. 1,762,652; June 10.
 Pipe elevator. S. L. Campbell. 1,777,549; Oct. 7.
 Pipe end protector. H. A. Unke. 1,783,893; Dec. 2.
 Pipe ends, Method of and apparatus for reshaping deformed. C. A. Hill. 1,783,088; Nov. 25.
 Pipe expansion joint, Steam-. G. B. Ashworth. 1,752,475; Apr. 1.
 Pipe-extracting apparatus. F. G. Carrington. 1,776,547; Sept. 23.
 Pipe filler, Smoking-. A. Lazar. 1,757,673; May 6.
 Pipe fitting. G. S. Eble. 1,762,771; June 10.
 Pipe fitting. V. A. Johnson and J. J. Lawler. 1,746,775; Feb. 11.
 Pipe fitting. J. A. Recko. 1,780,402; Nov. 4.
 Pipe fitting, Drain-. J. Mulder. 1,763,562; June 10.
 Pipe fitting, Waste-. W. H. Darling. 1,781,719; Nov. 18.
 Pipe fitting, Waste-. A. N. Pasman. 1,760,659; May 27.
 Pipe-flanging machine. C. F. Schultis. 1,765,704; June 24.
 Pipe for fuel-distillation retorts and coke ovens, Gas off-take. W. Mueller. 1,774,394; Aug. 26.
 Pipe for smoking tobacco. F. M. Ashley. 1,749,308; Mar. 4.
 Pipe for smoking tobacco. H. M. McCormick. 1,780,682; Nov. 4.
 Pipe for steam boilers, Dry. F. J. Martin. 1,784,638; Dec. 9.
 Pipe for water drainpipes, Auxiliary water-catching. J. Prasiyva. 1,773,640; Aug. 19.
 Pipe-handling apparatus. H. C. Keiser. 1,765,163; June 17.
 Pipe-handling apparatus for derricks. C. M. Gidley. 1,750,798; Mar. 18.
 Pipe hanger. R. Fitzpatrick. 1,774,878; Sept. 2.
 Pipe hanger. A. Hess. 1,758,040; May 13.
 Pipe hanger. L. R. Zifferer. 1,772,062; Aug. 5.
 Pipe hanger. L. R. Zifferer. 1,773,838; Aug. 26.
 Pipe insulation. G. J. Schreier. 1,762,276; June 10.
 Pipe joint. A. M. Frauenheim. 1,770,609; July 15.
 Pipe joint. R. H. Hellyer. 1,781,581; Nov. 11.
 Pipe joint. J. Lally. 1,742,211; Jan. 7.
 Pipe joint. H. A. McDaniel. 1,745,683; Feb. 4.
 Pipe joint. J. R. McWane. 1,758,455; May 13.
 Pipe joint. R. W. Spencer and H. P. Harris. 1,782,484; Nov. 25.
 Pipe joint. J. M. Wilson. 1,781,091; Nov. 11.
 Pipe joint. I. L. Wise. 1,771,739; July 29.
 Pipe joint, Expandable. T. D. Davies. 1,779,902; Oct. 28.
 Pipe joint or connection. A. I. Filscher. 1,781,222; Nov. 11.
 Pipe joint, Swinging. H. P. MacGregor. 1,774,179; Aug. 26.
 Pipe line. K. Lanninger. 1,747,942; Feb. 18.
 Pipe-line signal. H. G. Mobley. 1,779,260; Oct. 21.
 Pipe-lining machine. C. W. Neely and R. F. Leefeld. 1,747,678; Feb. 18.
 Pipe lines, Method and apparatus for cleaning. G. A. Shaner, R. E. Damp, and G. G. Donovan. 1,785,230; Dec. 16.
 Pipe, Mechanism for crimping leader. A. D. Kumpf. 1,777,728; Oct. 7.
 Pipe, Mechanism for making concrete. H. E. Hund. 1,778,389; Oct. 14.
 Pipe mechanism, Supporting means for flexible. E. H. Gold. 1,755,254; Apr. 22.
 Pipe mold, Bell-. C. S. Sorensen. 1,750,138; Mar. 11.
 Pipe mold, Centrifugal. J. H. Uhrig. 1,746,373; Feb. 11.
 Pipe mold, Concrete-. C. Dietrichs. 1,782,412; Nov. 25.
 Pipe-nipple connection. E. O. Poeppel. 1,779,712; Oct. 28.
 Pipe or analogous mouthpiece. C. Blossom. 1,750,503; Mar. 11.
 Pipe-painting machine. R. E. Janes. 1,755,877; Apr. 22.
 Pipe-pulling machine. C. R. Edwards. 1,781,918; Nov. 18.
 Pipe, Producing taper-slotted. C. J. Coberly. 1,785,071; Dec. 16.
 Piperidine derivative and producing it. S. M. McElvain. 1,784,903; Dec. 16.
 Pipe seams and joints, Protecting. C. V. Witt. 1,772,378; Aug. 5.
 Pipe-securing means. J. W. Foyle. 1,744,537; Jan. 21.
 Pipe sleeve. F. De Garay. 1,762,766; June 10.
 Pipe sleeve. H. Paltrowitz. 1,753,386; Apr. 8.
 Pipestems, Attachment for. C. Scheer. 1,753,095; Apr. 1.
 Pipe structure, Flexible. E. H. Gold and E. A. Russell. 1,781,456-7; Nov. 11.
 Pipe suspender, Adjustable. J. R. Morris. 1,784,244; Dec. 9.
 Pipe system and making the same, Connected. I. H. Kendall. 1,762,820; June 10.
 Pipe-tapping and plug-setting machine, Combined. F. B. Hall. 1,783,503; Dec. 2.
 Pipe-threading machine. C. Rasmussen. 1,758,973; May 20.
 Pipe-tipping apparatus. O. Tuerck. 1,778,003; Oct. 7.
 Pipe tong. N. K. Smith. 1,764,124; June 17.
 Pipe tongs, Making. E. B. Kibby. 1,765,838; June 24.
 Pipe union. W. S. Bremer. 1,765,753; June 24.
 Pipe, Unscrewing attachment for drill. A. E. Martois and R. D. Pearson. 1,753,244; Apr. 8.
 Pipe vise. W. W. Vosper. 1,785,884; Dec. 23.
 Pipe vise and bender. A. H. Meier. 1,781,592; Nov. 11.
 Pipe-vise stand. L. C. Young. 1,784,264; Dec. 9.
 Pipe with removable inner bowl, Smoking. J. E. Maddox. 1,769,354; July 1.
 Pipe-wrapping machine. E. Jansen. 1,777,089; Sept. 30.
 Pipe wrench. T. Anderson. 1,774,123; Aug. 26.
 Pipe wrench. L. Cox. 1,763,135; June 10.
 Pipe wrench. G. Deluca. 1,766,778; June 24.
 Pipe wrench. J. E. Magner. 1,745,224; Jan. 28.
 Pipe wrench. S. Sorensen. 1,761,280; June 3.
 Pipe wrench, Chain. W. C. Kress. 1,750,043; Mar. 11.
 Pipes and like cylindrical articles from the molds in which they are cast, Apparatus for extracting. J. E. Hurst and E. B. Ball. 1,754,106; Apr. 8.
 Pipes, Apparatus for bending small. E. A. Rock. 1,751,886; Mar. 25.
 Pipes, Apparatus for coating. H. M. Cook and L. R. Rogers. 1,775,487; Sept. 9.
 Pipes, Attachment for smokers'. W. E. Mathison. 1,742,480; Jan. 7.
 Pipes by centrifugal action, Manufacture of lining of. E. S. Hume. 1,785,586; Dec. 16.
 Pipes, Casting. J. H. Uhrig. 1,758,483; May 13.
 Pipes, Combined retaining and spacing device for. G. F. McGookin. 1,754,033; Apr. 8.
 Pipes, Combined test T and expansion fitting for drainage and soil. E. Kennedy. 1,784,238; Dec. 9.
 Pipes, Decorating. G. St. John, jr. 1,754,289; Apr. 15.
 Pipes, Device for expanding short. J. K. Morris. 1,762,732; June 10.
 Pipes, Driving device for. C. C. Hansen. 1,759,573; May 20.
 Pipes, Electrically-welding. C. M. Thomson. 1,756,403; Apr. 29.
 Pipes from veneer, Manufacturing drain. A. Hönningstad, A. Arneson, and A. Norheim. 1,786,245; Dec. 23.
 Pipes in spaced relation to each other, Supporting and holding. K. Muhleisen. 1,748,140; Feb. 25.
 Pipes made of asbestos cement, Device for removing. K. Herzog. 1,744,764; Jan. 28.
 Pipes, Method and apparatus for making seamless. A. Mazza. 1,786,215; Dec. 23.
 Pipes, Method of and machine for flanging. C. F. Schultis. 1,752,508; Apr. 1.

- Pipes of correct prescribed lengths, Apparatus for producing bent. R. H. Böbling. 1,781,567; Nov. 11.
- Pipes or conduits, Device for coating the interior of walls of. J. Steinnes. 1,787,126; Dec. 30.
- Pipes or rods, Device adapted to be screwed onto. H. W. Avery. 1,756,167; Apr. 29.
- Pipes or sheaths, Apparatus for jointing lead or like. A. E. Wilson. 1,751,019; Mar. 18.
- Pipes or the like, Attachment for hot-air. C. G. and C. H. Moore. 1,742,613; Jan. 7.
- Pipes, Protective means for. H. B. Walter. 1,786,467; Dec. 30.
- Pipes, Thread protector for. D. L. Markle. 1,758,613; May 13.
- Pipes, tubes, and other hollow bodies, Lining of iron and steel. N. S. Dewey. 1,755,634; Apr. 22.
- Pipette, Blood. O. Arnold. 1,762,807; June 10.
- Piping and forming the same. C. Seaman and G. Braf. 1,742,830; Jan. 7.
- Piping for internal-combustion engines with solid-fuel injection, Injection. J. Mahler. 1,758,366; May 13.
- Pirn-winding machine. H. Schweizer. 1,762,894; June 10.
- Pistol. P. von Frantzius. Re17,813; Sept. 23.
- Pistol. P. von Frantzius. 1,760,674; May 27.
- Pistol. P. von Frantzius. 1,775,178; Sept. 9.
- Pistol, Air. H. Schmeisser. 1,761,993; June 3.
- Pistol, Automatic. V. Bourth. 1,756,847; Apr. 29.
- Pistol for discharging signal cartridges. S. Wiley. 1,756,271; Apr. 29.
- Pistol, Four-barrelled. B. A. Revelli. 1,772,227; Aug. 5.
- Pistol range. A. H. Bechtol and W. A. Tratsch. Des. 82,303; Oct. 21.
- Piston. G. A. Barker. 1,757,230; May 6.
- Piston. M. A. Beckmann. 1,768,815-16; July 1.
- Piston. W. R. Blowers. 1,762,541; June 10.
- Piston. C. R. Butler. 1,757,169; May 6.
- Piston. T. F. Butzen and T. C. Olson. 1,767,169; June 24.
- Piston. W. G. Calkins. 1,778,064; Oct. 14.
- Piston. B. F. Cammack and B. F. Hines, jr. 1,743,596; Jan. 14.
- Piston. J. A. Dunning. 1,761,982; June 3.
- Piston. J. Dusevoir. 1,772,931; Aug. 12.
- Piston. G. H. Dyer. 1,745,154; Jan. 28.
- Piston. C. D. Finley. 1,771,751; July 29.
- Piston. J. Flammang and P. L. Bowser. 1,742,442; Jan. 7.
- Piston. P. M. Freer. 1,746,308; Feb. 11.
- Piston. P. M. Freer. 1,780,183; Nov. 4.
- Piston. H. S. Graves. 1,759,110; May 20.
- Piston. H. J. Hater. 1,764,871; June 17.
- Piston. H. J. Hater. 1,769,835; July 1.
- Piston. G. P. Heiner. 1,785,903; Dec. 23.
- Piston. R. Hildebrandt. 1,754,891; Apr. 15.
- Piston. W. G. Hildorf and F. Sergardi. 1,779,166; Oct. 21.
- Piston. W. McL. S. Jackson. 1,750,638; Mar. 18.
- Piston. F. Jardine. 1,759,508; May 20.
- Piston. F. Jardine. 1,763,523; June 10.
- Piston. F. Jardine. 1,784,291; Dec. 9.
- Piston. F. Jehle and F. Jardine. 1,758,444; May 13.
- Piston. F. J. Kent. 1,768,608; July 1.
- Piston. C. H. Kirby. 1,774,277; Aug. 26.
- Piston. E. Kottusch. 1,752,672; Apr. 1.
- Piston. J. D. Langdon. 1,757,016; May 6.
- Piston. H. Malloy. 1,752,994; Apr. 1.
- Piston. S. J. Mansfield. 1,783,477; Dec. 2.
- Piston. W. C. McCoy. 1,757,131; May 6.
- Piston. W. C. McCoy. 1,761,140-2; June 3.
- Piston. A. J. Menchey. 1,767,996; June 24.
- Piston. F. L. Minnick. 1,779,555; Oct. 28.
- Piston. C. N. Mitchell. 1,752,685; Apr. 1.
- Piston. F. M. Moore. 1,744,133; Jan. 21.
- Piston. J. M. Murray. 1,777,219; Sept. 30.
- Piston. A. L. Nelson. 1,766,449; June 24.
- Piston. A. L. Nelson. 1,771,859; July 29.
- Piston. A. L. Nelson. 1,774,106; Aug. 26.
- Piston. S. O. Nelson. 1,773,372; Aug. 19.
- Piston. W. Noble. 1,745,860; Feb. 4.
- Piston. W. Noble. 1,774,396; Aug. 26.
- Piston. W. Noble. 1,787,119; Dec. 30.
- Piston. A. P. Nute. 1,764,465; June 17.
- Piston. A. J. Patch. 1,769,646; July 1.
- Piston. A. W. Pope, jr. 1,750,429; Mar. 11.
- Piston. W. H. Schulze. 1,766,150; June 24.
- Piston. G. M. Scott. 1,765,103; June 17.
- Piston. D. E. Smith. 1,766,842; June 24.
- Piston. E. Solver. 1,772,966; Aug. 12.
- Piston. C. E. Summers. 1,770,818; July 15.
- Piston. J. Tatter and W. H. Pascoe. 1,781,037; Nov. 11.
- Piston. L. J. Thomas. 1,756,768; Apr. 29.
- Piston. L. J. Thomas. 1,760,451; May 27.
- Piston. M. Tibbetts. 1,742,452; Jan. 7.
- Piston. H. H. Wagner. 1,773,829; Aug. 26.
- Piston. C. L. Walker. 1,758,302; May 13.
- Piston. I. A. Weaver. 1,761,808; June 3.
- Piston. G. D. Welty. 1,775,446; Sept. 9.
- Piston. A. S. Wysong. 1,781,207; Nov. 11.
- Piston, Air-brake. H. E. Anderson. 1,745,346; Feb. 4.
- Piston, Aluminum head. D. J. Campbell. 1,771,771; July 29.
- Piston and connecting rod. A. E. Reid. 1,756,211; Apr. 29.
- Piston and connecting rod. A. E. Reid. 1,756,761; Apr. 29.
- Piston and connecting-rod assembly. H. S. Graves. 1,759,109; May 20.
- Piston and cylinder construction for molding machines. W. Lewis. 1,763,058; June 10.
- Piston and making same. R. R. Teetor. 1,784,505; Dec. 9.
- Piston and making the same. E. H. Powers. 1,746,739; Feb. 11.
- Piston and packing ring. C. C. Farmer and W. C. Landis. 1,754,230; Apr. 15.
- Piston and piston ring. A. L. Malmberg. 1,775,288; Sept. 9.
- Piston and piston ring. A. J. Mummert. 1,779,487; Oct. 28.
- Piston and piston ring. C. N. Teetor. 1,778,924; Oct. 21.
- Piston and piston-ring assembly. A. B. Crouch. 1,780,223; Nov. 4.
- Piston and piston rod for reciprocating engines, Integral. J. E. Muhlfeld. 1,748,612; Feb. 25.
- Piston and ring mounting therefor. E. Nibbs. 1,778,200; Oct. 14.
- Piston and rings. W. H. Ragsdale. 1,750,356; Mar. 11.
- Piston and rings therefor. J. F. Riley. 1,776,324; Sept. 23.
- Piston and rod packing. J. L. Ahern and L. G. Ledger. 1,767,164; June 24.
- Piston-boss reamer. W. A. Neller. 1,751,708; Mar. 25.
- Piston construction. E. Davis. 1,751,445; Mar. 18.
- Piston, Compensating. D. Miller. 1,774,064; Aug. 26.
- Piston construction. W. I. Bettis. 1,770,123; July 8.
- Piston-cooling device for internal-combustion engines. H. Becker. 1,761,864; June 3.
- Piston-cooling device for internal-combustion engines. P. Funke. 1,756,735; Apr. 29.
- Piston drive. W. Samuels. 1,787,173; Dec. 30.
- Piston engine. A. H. R. J. Boissiere. 1,774,251; Aug. 26.
- Piston, Engine. C. B. Drevitson. 1,760,122; May 27.
- Piston, Engine. C. A. Marien. 1,772,104; Aug. 5.
- Piston, Engine. M. H. P. Sologaistoa. 1,752,816; Apr. 1.
- Piston engine, Opposed-. H. Ford. 1,749,578; Mar. 4.
- Piston expander. B. L. Blough. 1,746,515; Feb. 11.
- Piston expander. W. R. McNabb, W. D. Farley and F. J. Starcher. 1,784,018; Dec. 9.
- Piston, Expanding. G. W. Galloway. 1,750,928; Mar. 18.
- Piston-expanding means. F. E. Cowle. 1,745,336; Jan. 28.
- Piston, Expansible. L. C. Burns. 1,760,581; May 27.
- Piston, Expansible. E. J. Cotter. 1,743,323; Jan. 14.
- Piston, Expansible. E. E. Miller. 1,773,402; Aug. 19.
- Piston, Explosive-engine. O. H. Spencer. 1,763,993; June 17.
- Piston, Externally-expanded. A. McLean. 1,764,458; June 17.
- Piston for automobile engines. L. J. McKone. 1,772,565; Aug. 12.
- Piston for engines. C. A. Marien. 1,772,103; Aug. 5.
- Piston for engines and the manufacture of these pistons. R. de Fleury. 1,766,431; June 24.
- Piston for explosion motors. T. Visota. 1,747,534; Feb. 18.
- Piston for fluid-pressure engines. E. Talbot. 1,758,543; May 13.
- Piston for high-speed reciprocating compressors, Working. G. Rothmann. 1,764,526; June 17.
- Piston for internal-combustion engines. O. E. Jorgensen. 1,762,442; June 10.
- Piston for internal-combustion engines. A. Lesage. 1,780,829; Nov. 4.
- Piston for internal-combustion engines. G. A. Mellor. 1,763,625; June 10.
- Piston for internal-combustion engines. P. Pritchard. 1,767,395; June 24.
- Piston for internal-combustion engines. J. Radloff. 1,783,054; Nov. 25.
- Piston for internal-combustion engines. H. M. Rockwell. 1,750,127; Mar. 11.
- Piston for internal-combustion engines. C. Schaeffer. 1,756,884; Apr. 29.
- Piston for internal-combustion engines. S. A. Winston. 1,770,332; July 8.
- Piston for motors. C. Y. Knight. 1,759,510; May 20.
- Piston for oil pumps, Fluid-expanded. J. F. Mitchell. 1,756,795; Apr. 29.
- Piston for oil-well circulation pumps. H. C. Ries. 1,768,633; July 1.
- Piston for slush pumps. J. T. Ellis. 1,774,967; Sept. 2.
- Piston-guiding means. J. C. Leary. 1,769,375; July 1.
- Piston, Hydraulic. G. P. Croner. 1,742,582; Jan. 7.
- Piston, Internal-combustion-engine. A. T. Kasley. 1,742,396; Jan. 7.
- Piston, Internal-combustion-engine. H. A. Soullis. 1,748,524; Feb. 25.
- Piston, Internal-combustion-engine. H. A. Soullis. 1,755,711; Apr. 22.
- Piston, Internal-combustion-engine. W. T. Soullis. 1,748,525; Feb. 25.
- Piston, Internal-combustion-engine. H. A. and W. T. Soullis. 1,748,526; Feb. 25.
- Piston, Internal-combustion-engine. H. A. and W. T. Soullis. 1,755,710; Apr. 22.
- Piston, Making. R. R. Grant. 1,772,215; Aug. 5.
- Piston mechanism for internal-combustion engines. J. C. Leary. 1,769,376; July 1.

- Piston mounting for internal-combustion engines and the like. R. W. Crane. 1,777,396; Oct. 7.
- Piston, Oil-conserving. C. E. Johnson. 1,782,428; Nov. 25.
- Piston or plunger. H. B. Wideman. 1,762,602; June 10.
- Piston or reciprocating compressor, High-pressure. C. Schaer. 1,757,782; May 6.
- Piston or reciprocating compressor or the like, High-pressure. C. Schaer. 1,760,213; May 27.
- Piston packing. P. L. Lobez. 1,754,236; Apr. 15.
- Piston-packing expander. H. Hueber. 1,777,143; Sept. 30.
- Piston-packing ring. A. Guerriero. 1,765,722; June 24.
- Piston packing ring, Dual wear-compensating. J. Blaeker and F. A. Smith. 1,760,974; June 3.
- Piston pin. W. E. Fennel, jr. 1,749,024; Mar. 4.
- Piston pin. W. H. Manning. 1,772,187; Aug. 5.
- Piston, Pinless. A. B. De Salardi. 1,775,892; Sept. 16.
- Piston, Pressure-packed pump. E. Kibele. 1,773,363; Aug. 19.
- Piston puller and cylinder-bushing press. C. H. Lewis. 1,760,989; June 3.
- Piston, Pump. C. Lamb. 1,746,733; Feb. 11.
- Piston, Pump. H. W. Millmine. 1,773,629; Aug. 19.
- Piston, Pump. J. Surber. 1,757,271; May 6.
- Piston, Reciprocating. L. K. Braren. 1,747,968; Feb. 18.
- Piston ring. W. E. Amberg. 1,773,250; Aug. 19.
- Piston ring. W. S. Baker. 1,750,381; Mar. 11.
- Piston ring. G. Beer. 1,763,127; June 10.
- Piston ring. E. A. Benton and M. Linderner. 1,780,697; Nov. 4.
- Piston ring. W. L. Farmer. 1,746,248; Feb. 11.
- Piston ring. P. J. Henning and W. H. Judy. 1,754,625; Apr. 15.
- Piston ring. J. J. Howard. 1,752,848; Apr. 1.
- Piston ring. C. E. Johnson. 1,782,426-7; Nov. 25.
- Piston ring. L. G. Lyman. 1,775,648; Sept. 16.
- Piston ring. J. Magee. 1,755,402; Apr. 22.
- Piston ring. A. W. Morton. 1,749,831-2; Mar. 11.
- Piston ring. A. W. Morton. 1,756,905; Apr. 29.
- Piston ring. A. Petersen. 1,773,749; Aug. 26.
- Piston ring. F. H. Roberts. 1,757,877; May 6.
- Piston ring. W. F. Shannon. 1,773,878; Aug. 26.
- Piston ring. D. M. Solenberger. 1,743,578; Jan. 14.
- Piston ring. D. M. Solenberger. 1,749,786; Mar. 11.
- Piston ring. D. M. Solenberger. 1,751,253; Mar. 18.
- Piston ring. D. M. Solenberger. 1,755,673; Apr. 22.
- Piston ring. D. M. Solenberger. 1,767,711; June 24.
- Piston ring. J. H. Stanfield. 1,749,894; Mar. 11.
- Piston ring. O. E. Szekely. 1,769,974; July 8.
- Piston ring. F. H. Walter. 1,771,198; July 22.
- Piston ring. J. Williams. 1,764,815; June 17.
- Piston ring. B. Young. 1,767,498; June 24.
- Piston ring. B. Young. 1,768,470; June 24.
- Piston ring and piston construction. E. Nibbs and F. T. Cable. 1,777,325; Oct. 7.
- Piston-ring-burr-removing device. J. H. Hoern. 1,783,121; Nov. 25.
- Piston-ring casting. T. E. McFall. 1,783,886; Dec. 2.
- Piston-ring, Clamp. R. Grover. 1,755,294; Apr. 22.
- Piston-ring, Compression and oil control. E. M. Hardy. 1,774,002; Aug. 26.
- Piston-ring expander. G. B. Dusenberre. 1,779,034; Oct. 21.
- Piston-ring expander. J. H. Plater. 1,776,008; Sept. 16.
- Piston-ring-fitting machine. G. M. Sanders. 1,750,195; Mar. 11.
- Piston ring for internal-combustion engines. A. C. Macbeth. 1,775,205; Sept. 9.
- Piston-ring-installing device. D. M. Solenberger. 1,767,819; June 24.
- Piston, Ringless self-expanding. G. Floyd. 1,753,113; Apr. 1.
- Piston-ring patterns, Making. H. S. Graves. 1,759,108; May 20.
- Piston-ring peener. J. Shaw. 1,785,212; Dec. 16.
- Piston-ring pressure exerting upon cylinder walls, Apparatus for measuring. M. Okochi and K. Ebihara. 1,760,518; May 27.
- Piston-ring retainer. A. T. Gray. 1,772,992; Aug. 12.
- Piston ring, Sealing. C. L. Lewis and H. O. Setterberg. 1,781,183; Nov. 11.
- Piston-ring spreader. H. S. Frank. 1,766,498; June 24.
- Piston-ring-spring machine. O. E. Szekely and R. H. Johnson. 1,749,895; Mar. 11.
- Piston rings, Art of and mold for casting. M. O. Teetor. 1,762,598; June 10.
- Piston rings, Device for expanding and mounting. K. J. Bailey. 1,755,044; Apr. 15.
- Piston rings for machining operations, Device for assembling and holding. J. H. Hoern. 1,772,082; Aug. 5.
- Piston rings, Locating. E. Niethamer. 1,777,501; Oct. 7.
- Piston rings, Making. L. C. Marshall. 1,758,575; May 13.
- Piston rings, Making. A. J. Smith. 1,758,719; May 13.
- Piston rings, Making steel. L. C. Marshall. 1,783,047; Nov. 25.
- Piston rings, Manufacturing. E. J. Budlong. 1,777,959; Oct. 7.
- Piston rings, Manufacturing. E. Kottusch. 1,778,899; Oct. 21.
- Piston rings, Method of and mold for casting. E. N. Broderick and T. D. Lucier. 1,781,098; Nov. 11.
- Piston rings, Process and apparatus for making. L. C. Marshall. 1,762,556; June 10.
- Piston rod. H. V. Haight. 1,757,082; May 6.
- Piston, Trunk. J. Flammang. 1,769,020; July 1.
- Piston wrist pin. T. G. Lempges. 1,778,902; Oct. 21.
- Pistons, Apparatus for making. F. O. Tanner. 1,742,795; Jan. 7.
- Pistons, Apparatus for resizing. F. H. Sharp. 1,782,077; Nov. 18.
- Pistons fitted with piston rings into cylinders, Device for introducing. A. Leutwyler. 1,745,374; Feb. 4.
- Pistons, Making. F. Jardine. 1,759,509; May 20.
- Pit: See—
- Soaking pit.
- Pit apparatus, Drop. F. L. Davis, jr. 1,751,076; Mar. 18.
- Pit, Drop. F. P. Walsh. 1,772,848; Aug. 12.
- Pit, Mushroom. R. W. Griswold. 1,149,134; Mar. 4.
- Pitch composition. C. R. Eckert. 1,773,131; Aug. 19.
- Pitcher. M. J. Perry, jr. Re17,863; Nov. 11.
- Pitcher or the like. C. Weiss. Des. 82,545; Nov. 18.
- Pitch slider mechanism. E. and A. Galizi. 1,769,339; July 1.
- Pitman. G. A. Hart. 1,765,832; June 24.
- Pitman. W. Mitchell and A. H. Loucks. 1,757,258; May 6.
- Pitman. W. C. Trout. 1,771,103; July 22.
- Pitman. C. S. Wright. 1,782,863; Nov. 25.
- Pitman head for movers, binders, reapers, and the like. J. A. Lochbaum. 1,769,441; July 1.
- Pitman or connecting-rod construction. P. Jameson. 1,782,655; Nov. 25.
- Pitman rod, Adjustable. C. A. Ritchie. 1,752,028; Mar. 25.
- Pitter, Fruit. A. E. McCollom. 1,754,636; Apr. 15.
- Pitter, Peach. V. A. Taylor. 1,772,020; Aug. 5.
- Pitting and coring machine. A. L. Duncan. 1,785,010; Dec. 16.
- Pitting fruit. A. Gotelli. 1,755,872; Apr. 22.
- Pitting machine, Fruit. H. and D. Goranson and B. C. Youman. 1,742,653; Jan. 7.
- Pitting machine, Peach. A. S. Ridley. 1,777,417; Oct. 7.
- Pivot joint. R. Beringer. 1,749,311; Mar. 4.
- Pivot joint. W. A. Chryst. 1,766,882; June 24.
- Pivot joint. A. J. Jansson. 1,746,217; Feb. 4.
- Pivot, Shuttle-spindle. F. Robinson. 1,756,494; Apr. 29.
- Pivot-straightening device. G. F. Putnam. 1,747,136; Feb. 11.
- Pivot structure. W. E. Trumpler. 1,757,604; May 6.
- Plagioclase compound, Artificial. F. Singer. 1,759,919; May 27.
- Plaited fabric. L. Ober. 1,747,023; Feb. 11.
- Plaiter. M. D. Dickman. 1,752,897; Apr. 1.
- Plait-holding apparatus. H. Schlesinger. 1,764,808; June 17.
- Plaiting iron. G. B. Campbell-Ross. 1,767,618; June 24.
- Plaiting machine. E. L. Ezbelent. 1,770,590; July 15.
- Plaiting machines, Automatic spacing device for. G. and R. Ezbelent. 1,751,401; Mar. 18.
- Plane. F. F. McCue. 1,776,661; Sept. 23.
- Plane, Amphibian. D. W. Douglas. 1,784,784; Dec. 9.
- Plane, Hand. J. L. Rubel. 1,745,558; Feb. 4.
- Plane, Plasterer's. C. J. Boux. 1,743,704; Jan. 14.
- Plane, Portable hand-operated power-driven. M. Daderko. 1,760,818; May 27.
- Planer and concrete distributing machine, Subgrade. E. H. Lichtenberg. 1,750,896; Mar. 18.
- Planer-control system. R. C. Deale. 1,759,548; May 20.
- Planer, Double-cylinder. W. H. Hall. 1,749,938; Mar. 11.
- Planer, Road. A. J. and G. W. Monroe. 1,763,534; June 10.
- Planer, Shale. J. M. Powell. 1,753,804; Apr. 8.
- Planetary transmission mechanism. R. Henin. 1,774,831; Sept. 2.
- Planing machine. W. W. McCarroll. 1,775,963; Sept. 16.
- Planing machine provided with fixed-knives drawers. C. J. A. Johnson. 1,770,106; July 8.
- Plank, Extensible. C. Harding. 1,774,268; Aug. 26.
- Planographic-printing surface. R. F. Reed and P. W. Dorst. 1,759,956; May 27.
- Plansifter, Self-balancing. F. Boldizsar. 1,782,561; Nov. 25.
- Plant covers, Device for making. C. Toyoshima. 1,748,808; Feb. 25.
- Plant culture, Apparatus for. C. F. Irish. 1,755,445; Apr. 22.
- Plant-dusting machine. J. H. Wright. 1,750,147; Mar. 11.
- Plant extractor. F. W. Buser. 1,745,292; Jan. 28.
- Plant for producing compressed air. E. Stiefel. 1,778,988; Oct. 21.
- Plant for the generation of high-pressure steam. F. Flatt. 1,781,836; Nov. 18.
- Plant for the treatment of hydrocarbon. L. B. Cherry. 1,779,356; Oct. 21.
- Plant for the vertical molding of concrete work. H. Fabre. 1,784,422; Dec. 9.
- Plant for washing coal and other minerals. A. France. 1,771,081; July 22.
- Plant growth, Method of and product for promoting. R. A. Baker and C. C. Carpenter. 1,747,281; Feb. 18.
- Plant pot. W. Salisbury. 1,775,831; Sept. 16.
- Plant-propagating device. M. Alland. 1,783,007; Nov. 25.
- Plant-protecting device. C. S. and A. O. Rights. 1,766,455; June 24.
- Plant protector. R. B. Bell. 1,747,967; Feb. 18.
- Plant protector. J. L. Stevason. 1,780,950; Nov. 11.
- Plant puller. G. H. Lewis. 1,758,526; May 13.
- Plant setter. L. A. Etchison. 1,773,452; Aug. 19.
- Plant setter. L. A. Etchison and R. A. Neely. 1,773,451; Aug. 19.

- Plant thinner. E. J. Antoni. 1,781,743; Nov. 18.
 Plant tissues, Treating fibrous-. D. R. Nanji. 1,746,842; Feb. 11.
 Plant-treating apparatus. C. L. Glezentanner. 1,781,004; Nov. 11.
 Plant wounds, Composition for and process of treating. I. E. Melbus. 1,785,641; Dec. 16.
 Planter. W. Huff. 1,761,791; June 3.
 Planter. D. L. Johnson. 1,758,607; May 13.
 Planter attachment. A. W. Gustafson. 1,780,587; Nov. 4.
 Planter, Corn. G. W. Goldsboro. 1,773,711; Aug. 19.
 Planter, Lister. R. N. Anderson. 1,767,910; June 24.
 Planter, Potato. S. Styka. 1,748,090; Feb. 25.
 Planter, Seed. L. Batchelor. 1,785,926; Dec. 23.
 Planter, Seed. L. H. Kaupke. 1,753,520; Apr. 8.
 Planter, Seed. F. Slathar. 1,762,671; June 10.
 Planter, Seed. J. Ward. 1,786,100; Dec. 23.
 Planter, Sugar-cane. A. Q. Estevez. 1,764,159; June 17.
 Planter, Two-row. L. H. Kaupke. 1,767,853; June 24.
 Planters, Attachment for. C. C. Lutz. 1,751,486; Mar. 25.
 Planters, Attachment for. C. C. Lutz. 1,751,590; Mar. 25.
 Planters, Attachment for seed. R. M. Jackson. 1,749,250; Mar. 4.
 Planters, Check-wire guide for corn. S. D. Anderson. 1,757,990; May 13.
 Planters, Mounting device for seed. P. Scrimger. 1,753,136; Apr. 1.
 Planting implement. J. W. Talvitie. 1,771,694; July 29.
 Planting implement, Hand. T. Zoulek. 1,780,055; Oct. 28.
 Plaster board. H. Brown. 1,777,872; Oct. 7.
 Plaster board. H. A. Cumfer. 1,778,145; Oct. 14.
 Plaster board. J. H. Delaney. 1,778,008; Oct. 14.
 Plaster board. F. J. Griswold. 1,772,483; Aug. 12.
 Plaster board. C. O. Walper. 1,749,009; Mar. 4.
 Plaster board, Apparatus for making. A. J. Meier. 1,749,436; Mar. 4.
 Plaster-board edge. J. J. Turner. 1,768,867; July 1.
 Plaster-board-handling apparatus. O. A. St. Clair and E. L. Tenney. 1,776,201; Sept. 16.
 Plaster-board manufacture. C. Spengler. 1,751,953; Mar. 25.
 Plaster-board structure. O. V. Kean. 1,761,730; June 3.
 Plaster-cast-cutting device. H. V. Parker. 1,748,617; Feb. 25.
 Plaster, Cedar. E. D. Coddington, E. A. Kerler, R. R. Black, and H. S. Owen. 1,752,232; Mar. 25.
 Plaster construction. H. R. Shanks. 1,763,262; June 10.
 Plaster from by-product calcium sulphate, Producing. R. S. Edwards. 1,770,367; July 8.
 Plaster, Imitation. R. S. Schmieder. 1,783,454; Dec. 2.
 Plaster of Paris, Device and method for indicating the expansion of. J. D. Wiggan. 1,746,691; Feb. 11.
 Plaster-receiving board. H. A. Cumfer. 1,766,982; June 24.
 Plaster-roll package. R. P. Hayden. 1,760,754; May 27.
 Plaster scratcher. H. Goldblatt. 1,770,848; July 15.
 Plaster, Strip of sticking. D. Sarason. 1,774,498; Aug. 26.
 Plaster wall board and making same. H. E. Brookby. 1,750,621; Mar. 18.
 Plaster-wall-board construction. O. M. Knode. 1,754,429; Apr. 15.
 Plaster walls, Framing and trim for all. I. A. Baum. 1,772,657; Aug. 12.
 Plasterer's float. L. S. Dietz. 1,761,109; June 3.
 Plasterer's ground. B. E. Biggin. 1,777,742; Oct. 7.
 Plastering construction. G. R. Walper. 1,762,707; June 10.
 Plastering machine. T. Palatini. 1,786,362; Dec. 23.
 Plastering machine. F. Potyie. 1,783,098; Nov. 25.
 Plastic article. R. V. Mattison. 1,752,307; Apr. 1.
 Plastic blocks and the like, Apparatus for molding. G. C. Debay. 1,753,405; Apr. 8.
 Plastic-board manufacture. H. C. Raynes. 1,774,813; Sept. 2.
 Plastic bodies upon cores, Apparatus for forming. O. J. Goodwin. 1,745,482; Feb. 4.
 Plastic casein composition. J. G. Davidson and E. W. Reid. 1,772,131; Aug. 5.
 Plastic composition. W. Hoskins. 1,764,839; June 17.
 Plastic composition. J. Keeth. 1,743,551; Jan. 14.
 Plastic composition. A. R. Kemp. 1,753,746; Apr. 8.
 Plastic composition. W. Kritchevsky and K. A. Schultz. 1,759,907; May 27.
 Plastic composition. H. V. Leckie and W. H. Woodford. 1,768,363; June 24.
 Plastic composition. C. S. Reeve. Re17,762; Aug. 5.
 Plastic composition. G. B. Stryker. 1,786,462; Dec. 30.
 Plastic composition, Vulcanizable. N. Goodwin. 1,758,151; May 13.
 Plastic composition, Waterproof fire-resistant. C. R. Faben. 1,751,690; Mar. 25.
 Plastic-extruding machine with automatic cut-off, Hydraulic. W. McClintock and F. Y. Pearne. 1,777,100; Sept. 30.
 Plasticizers from celluloid and the like, Recovering volatile. H. P. Bassett. 1,756,331; Apr. 29.
 Plastic mass. W. Hoskins. 1,747,774; Feb. 18.
 Plastic material in the manufacture of pottery, Apparatus for feeding and forming. W. J. Miller. 1,769,530; July 1.
 Plastic material in the manufacture of pottery, Feeding and forming. W. J. Miller. 1,769,528; July 1.
 Plastic material into molds, Changing. S. Du Brul. 1,751,624; Mar. 25.
 Plastic material in the manufacture of pottery, Method of and apparatus for feeding and forming. W. J. Miller. 1,769,529; July 1.
 Plastic material to surfaces, Method and apparatus for applying. J. R. Mack. 1,751,343; Mar. 18.
 Plastic materials, Apparatus for compacting. J. C. Pelton. 1,747,555; Feb. 18.
 Plastic press, Hydraulic. L. S. Hubbert. 1,778,803; Oct. 21.
 Plastic process. W. A. Boughton. 1,756,010; Apr. 22.
 Plastic substance, Method and apparatus for making articles from a. S. H. Edmunds. 1,750,748; Mar. 18.
 Plastics, Process and apparatus for dividing. S. Schiff. 1,784,113; Dec. 9.
 Plate. R. W. Beach. Des. 80,303; Jan. 14.
 Plate. G. Ellis. Des. 80,783; Mar. 25.
 Plate. B. N. Kane. Des. 82,471; Nov. 4.
 Plate. J. Kirkpatrick. Des. 81,293; June 3.
 Plate. B. McQuillan. Des. 81,938; Sept. 2.
 Plate. A. L. Pestinger. Des. 82,174; Sept. 30.
 Plate and making same, Cover. H. A. Selah. 1,773,410; Aug. 19.
 Plate-bending machine. P. M. Kuehn. 1,744,391; Jan. 21.
 Plate, Cake. L. Strauss. 1,771,589; July 29.
 Plate catcher. F. R. Krause and R. C. Stiefel. 1,755,356; Apr. 22.
 Plate clamp. C. W. Harrold. 1,765,530; June 24.
 Plate clamp. F. Lamatsch. 1,779,882; Oct. 28.
 Plate composed of separate plates or strips, Wooden. K. Winkler. 1,777,190; Sept. 30.
 Plate construction, Center-. G. S. Chiles. 1,745,150; Jan. 28.
 Plate-conveying hook. G. Raymond. 1,753,578; Apr. 8.
 Plate, dish, or the like. M. P. Chaplin. 1,748,911; Feb. 25.
 Plate ejector, Automatic. A. R. Lafferty. 1,748,720; Feb. 25.
 Plate-finishing machine, Water-cooled. J. A. Isbell. 1,750,406; Mar. 11.
 Plate for a lighting fixture or article of similar nature, Base. F. W. Roettges and J. T. Gutzwa. Des. 81,849; Aug. 19.
 Plate for casket handles or the like. W. N. Thomas. Des. 81,264; May 27.
 Plate frame. W. H. Dey. 1,754,851; Apr. 15.
 Plate frame for supporting artificial teeth and making same. J. G. Hollingsworth. 1,767,130; June 24.
 Plate hook. H. E. Golber. 1,764,257; June 17.
 Plate-lifting device. H. A. W. Wood. 1,774,777; Sept. 2.
 Plate mounting. L. V. Casto. 1,786,001-2; Dec. 23.
 Plate mounting, Latch-face. W. R. Schlage. 1,759,374; May 20.
 Plate or analogous article. H. E. Nock. Des. 81,594; July 15.
 Plate or similar article. L. H. Bown. Des. 80,510; Feb. 18.
 Plate or similar article. H. A. Dwyer. Des. 81,921; Sept. 2.
 Plate or similar article. F. G. Holmes. Des. 80,314-15; Jan. 14.
 Plate or similar article. F. G. Holmes. Des. 82,375; Oct. 28.
 Plate or similar article. H. P. Howlett. Des. 81,695-6; July 29.
 Plate or similar article. C. L. Sebring. Des. 80,497-8; Feb. 11.
 Plate or similar article. U. Tomita. Des. 80,458-69; Feb. 4.
 Plate or similar article. U. Tomita. Des. 80,552-3; Feb. 18.
 Plate or similar article. U. Tomita. Des. 80,754-7; Mar. 18.
 Plate or similar article. U. Tomita. Des. 80,977; Apr. 15.
 Plate or similar article. U. Tomita. Des. 81,603-4; July 15.
 Plate or similar article. U. Tomita. Des. 81,856-8; Aug. 19.
 Plate or similar article. U. Tomita. Des. 82,459-61; Nov. 4.
 Plate or similar article. U. Tomita. Des. 82,858; Dec. 16.
 Plate or similar article. H. Ufford. Des. 82,195; Sept. 30.
 Plate or similar article. C. Weiss. Des. 80,344; Jan. 14.
 Plate or similar article. G. Wesp. Des. 81,170-1; May 13.
 Plate or similar article. J. Wuyts. Des. 82,714; Dec. 2.
 Plate or similar article. P. Zenker. Des. 82,532; Nov. 11.
 Plate or similar article, Cake. E. E. Slick. Des. 81,306; June 3.
 Plate or the like. F. J. Peters. Des. 82,581; Nov. 18.
 Plate or the like. C. Weiss. Des. 81,514; July 1.
 Plate, Pie. J. J. Peters. 1,759,589; May 20.
 Plate-registering means. W. H. Banzett. 1,752,659; Apr. 1.
 Plate spring. E. Burnand. 1,782,286; Nov. 18.
 Plate-stacking mechanism. A. R. Koehler. 1,761,632; June 3.
 Plate, Waffle-forming. C. Fontana. Des. 82,215; Oct. 7.
 Plate wall element, Metallic-. G. G. Gilpin. 1,775,997; Sept. 16.
 Plate wall element, Metallic-. A. E. Small. 1,743,692; Jan. 14.
 Plate wall element, Metallic-. A. E. Small. 1,773,380; Aug. 19.

- Plate with integral post, Corrugated. G. G. Gilpin. 1,764,205; June 17.
- Plated knitted fabric. H. E. Houseman. 1,745,620; Feb. 4.
- Plating machines, Automatic. H. Rabazzana. 1,769,188; July 1.
- Plating, Means and instrumentality for effecting reverse. R. H. Lawson. 1,758,899; May 13.
- Plating process. B. R. Hauelsen. 1,774,269; Aug. 26.
- Plates, Connecting device for corrugated. J. A. Papalas. 1,775,779; Sept. 16.
- Plates, Method and machine for flanging. J. Huber. 1,754,428; Apr. 15.
- Plates on ties, Arrangement of base. G. W. Muller. 1,761,147; June 3.
- Plates or the like, Joining together. G. Meier. 1,744,786; Jan. 28.
- Platen-adjusting device. L. Arranz. 1,755,143; Apr. 15.
- Platen, Heat-transmitting. J. A. Stevens. 1,780,280; Nov. 4.
- Platen-press chase, Adjustable. G. A. Dickey and E. B. Groff. 1,781,979; Nov. 18.
- Platform. D. Devine, jr. 1,747,352; Feb. 18.
- Platform. D. E. Hennessy. 1,745,617; Feb. 4.
- Platform, Adjustable. C. E. Schuler. 1,763,069; June 10.
- Platform construction. C. Erwin. 1,763,766; June 17.
- Platform, Date-picking. P. M. Swinney. 1,759,966; May 27.
- Platform, Industrial integral-frame. A. L. Lewis and F. J. Shepard, jr. 1,748,779; Feb. 25.
- Platform, Knockdown. W. Hertel, Jr. 1,774,140; Aug. 26.
- Platform, Portable. A. L. Lewis. 1,782,146; Nov. 18.
- Platform, Portable. R. T. Romine. 1,772,732; Aug. 12.
- Platform, Portable. R. T. Romine. 1,772,736; Aug. 12.
- Platform, Portable loading. R. T. Romine. 1,745,041; Jan. 28.
- Platform, Resilient floor. D. E. Hennessy. 1,770,614; July 15.
- Platform, Skid. B. F. Schmoldt. 1,748,621; Feb. 25.
- Platter or similar article. T. C. Merriman. Des. 80,448; Feb. 4.
- Playground device. A. R. Baxter. 1,769,199; July 1.
- Playhouse, Knockdown. F. B. King. 1,746,595; Feb. 11.
- Play pen. B. M. Stoddard. 1,782,217; Nov. 18.
- Player mechanism for musical instruments, Pneumatically-operated. R. H. Collen. 1,773,662; Aug. 19.
- Playing implement. C. M. Winbigler. 1,763,205; June 10.
- Playing stringed instruments, Apparatus for. R. S. Blair. 1,748,053; Feb. 25.
- Plier case. E. F. Jungemann. 1,750,891; Mar. 18.
- Pliers. R. Jones. 1,763,527; June 10.
- Pliers. W. A. Peterson. 1,772,224; Aug. 5.
- Pliers. F. Schweigert. 1,766,459; June 24.
- Pliers. R. W. Young. 1,765,783; June 24.
- Pliers and tool, Combination. T. H. Hurst. 1,748,673; Feb. 25.
- Pliers, Armor-cutting. B. F. Lindstrom. 1,761,446; June 3.
- Pliers, Crown-splitting. C. Rádo, Budapest, Hungary. 1,786,127; Dec. 23.
- Pliers, Optician's. A. J. Zwilling. 1,753,080; Apr. 1.
- Pliers or tongs. R. J. Wallace. 1,781,419; Nov. 11.
- Pliers, tongs, or the like. J. J. Palotce. 1,772,428; Aug. 5.
- Pliers, Wire. C. C. Millheam. 1,760,368; May 27.
- Plinth block, Adjustable. J. A. Bohnsack. 1,773,704; Aug. 19.
- Plotting apparatus. H. C. Ford. 1,753,781; Apr. 8.
- Plotting device. W. E. Waterbury. 1,767,026; June 24.
- Plotting instrument. H. B. Elder. 1,773,809; Aug. 26.
- Plotting instrument. M. McM. Knechtel. 1,746,537; Feb. 11.
- Plow. C. Bordas de la Fé. 1,782,598; Nov. 25.
- Plow. T. Brown. 1,787,137; Dec. 30.
- Plow. P. C. Figueras. 1,749,277; Mar. 4.
- Plow. M. S. Glover, A. M. Henson, and L. W. Shepperd. 1,778,359; Oct. 14.
- Plow. Y. Gómez. 1,766,380; June 24.
- Plow. G. L. Gregory. 1,767,359; June 24.
- Plow. M. Jurkin. 1,743,037; Jan. 7.
- Plow. W. H. Madden. 1,785,964; Dec. 23.
- Plow. C. G. Strandlund. 1,787,127; Dec. 30.
- Plow. H. Thurkow. 1,777,186; Sept. 30.
- Plow. C. C. Ward. 1,761,320; June 3.
- Plow and cultivator, Combination. W. A. Shotts. 1,766,407; June 24.
- Plow attachment. A. A. Hutto. 1,766,750; June 24.
- Plow attachment. B. D. Whitley. 1,755,622; Apr. 22.
- Plow attachment for tractors, Lister. L. J. Trial. 1,769,085; July 1.
- Plow, Combination. G. P. Lucius. 1,784,738; Dec. 9.
- Plow construction for railroad spreaders, Front-. V. G. Tellis. 1,777,588; Oct. 7.
- Plow, Ditching. S. O. Martin and E. H. Bridenbaugh. 1,755,885; Apr. 22.
- Plow, Disk. S. Toth. 1,780,955; Nov. 11.
- Plow for snow fencing, Banking. O. Smith. 1,763,825; June 17.
- Plow, Furrow. L. L. Fojtik. 1,780,069; Oct. 28.
- Plow, Gang. T. Brown. 1,749,064; Mar. 4.
- Plow, Gang. J. Collins. 1,769,334; July 1.
- Plow point. L. C. Fountain. 1,787,366; Dec. 30.
- Plowpoint. A. Warholoski. 1,776,482; Sept. 23.
- Plow, Power-driven. A. Ford. 1,743,961; Jan. 14.
- Plow, Power-lift. C. G. Strandlund. 1,745,513; Feb. 4.
- Plow, Reversible sulky. R. B. Claghorn. 1,769,769; July 1.
- Plow, Rotary. L. Fannesbeck. 1,750,219; Mar. 11.
- Plow share. D. H. Moore. 1,768,135; June 24.
- Plow, Steam-operated ice and snow. R. Klima and H. Reischenbacher. 1,755,695; Apr. 22.
- Plow, Tractor. T. Brown and C. G. Strandlund. 1,755,808; Apr. 22.
- Plow, Tractor. G. Hudson. 1,752,849; Apr. 1.
- Plow, Two-way. K. C. Livermore. Re17,727; July 8.
- Plow, Two-way tractor. W. S. Graham. 1,755,819; Apr. 22.
- Plows, Colter attachment for. C. Marchal. 1,763,559; June 10.
- Plows, Harrow hitch for gang. L. A. Swanser. 1,759,597; May 20.
- Plows, Roller attachment for. O. G. and C. A. Chenoweth. 1,762,258; June 10.
- Plows, Rotary tiller attachment for disk. G. H. Hall. 1,750,887; Mar. 18.
- Plows, Side-draft eliminator for gang. W. E. Heck and J. Ellermeyer. 1,768,402; June 24.
- Plowshare. A. L. Vegors. 1,762,251; June 10.
- Plug. A. C. Smith. 1,768,456; June 24.
- Plug and cap, Interlocking. H. Hubbell. 1,771,729; July 29.
- Plug and receptacle, Attachment. G. W. Goodridge. 1,782,297; Nov. 18.
- Plug and switch, Combination electric. A. F. Hunt. 1,760,138; May 27.
- Plug, Attachment. E. J. Schutt. 1,745,233; Jan. 28.
- Plug attachment. A. G. Zinman. 1,749,623; Mar. 4.
- Plug, Automatic. R. M. Diener. 1,756,940; May 6.
- Plug, Automatic. N. C. Schellenger. 1,781,958; Nov. 18.
- Plug, Automatic electric. G. J. Stavracos. 1,770,715; July 15.
- Plug, Automatically-controlled electrical. E. Walder. 1,779,455; Oct. 28.
- Plug cap. H. L. Strongson. 1,780,851; Nov. 4.
- Plug cap, Attachment-. H. Hubbell. 1,771,632; July 29.
- Plug cap, Attachment-. H. Hubbell. 1,771,635; July 29.
- Plug cap, Attachment-. N. H. Watts. 1,778,615; Oct. 14.
- Plug, Closure. W. C. Hauser. 1,761,339; June 3.
- Plug, Connecting. A. D. Keene. 1,777,312; Oct. 7.
- Plug connection, Hollow-. C. W. Simon. 1,758,541; May 13.
- Plug, Contact. H. De Jong, D. Lely, jr., and R. Shepherd. 1,751,981; Mar. 25.
- Plug device, Fusible. T. W. Lowe. 1,779,098; Oct. 21.
- Plug, dowel, and coupling pin, Resilient. H. E. Sipe. 1,743,492; Jan. 14.
- Plug, Electric. C. L. Goodspeed. 1,775,564; Sept. 9.
- Plug, Electric-attachment. G. W. McCarthy. 1,772,261; Aug. 5.
- Plug, Electric-circuit connector. E. A. Hagel. 1,742,312; Jan. 7.
- Plug, Electrical connection. M. C. Pollock and E. E. Pollock. 1,759,805; May 20.
- Plug fitting, Combination filling and fusible. R. S. Taylor. 1,750,335; Mar. 11.
- Plug, Floating and cementing. R. C. Baker. 1,776,613; Sept. 23.
- Plug for electric circuits, Locking. F. E. Reinhold. 1,783,342; Dec. 2.
- Plug for electric-light fixtures. H. E. Wayland. 1,777,187; Sept. 30.
- Plug for pipes, Expansion. P. Goodman and B. Leone. 1,747,933; Feb. 18.
- Plug for tobacco pipes. R. H. Tickell. 1,756,890; Apr. 29.
- Plug for waxed thread, Stripping. P. A. Crouse. 1,746,580; Feb. 11.
- Plug, Fuse. G. R. Brown. 1,751,439; Mar. 18.
- Plug, Fuse. E. F. Pelletier and W. E. Bandlow. 1,751,055; Mar. 18.
- Plug, Lock-equipped attachment. J. Keeper. 1,771,757; July 29.
- Plug, Pipe-bend. E. K. Pierce. 1,753,387; Apr. 8.
- Plug, Railway signal-fusee. F. Dutcher. 1,754,988; Apr. 15.
- Plug retainer. F. W. Jackson. 1,749,287; Mar. 4.
- Plug retainer, Washout-. V. Willoughby. 1,748,162; Feb. 25.
- Plug, Safety. R. H. Kyle. 1,762,064; June 3.
- Plug, Sewer. C. F. Frizzell. 1,745,923; Feb. 4.
- Plug socket. B. F. Muldoon. 1,757,437; May 6.
- Plug socket for electrical connections. C. Bateholts. 1,756,933; May 6.
- Plug switch. M. Tischler. 1,742,834; Jan. 7.
- Plug, Terminal. W. H. Ray. 1,765,540; June 24.
- Plug, Two-piece electrical connection. S. G. Garrett. 1,754,312; Apr. 15.
- Plug, Vent. J. Mastrone. 1,747,873; Feb. 18.
- Plug, Washout. W. Kanning and O. Buschmann. 1,774,889; Sept. 2.
- Plug, Washout. G. S. Turner. 1,776,341; Sept. 23.
- Plug, Washout. H. M. Woods. 1,748,665; Feb. 25.
- Plug water release, Fusible-. L. D. Lovekin. 1,773,401; Aug. 19.
- Plug with renewable fuse, Attachment. J. A. Grier. 1,748,838; Feb. 25.
- Plugging device. J. H. Pengilly and V. Brown. 1,787,260; Dec. 30.
- Plugs and the like, Apparatus for molding. C. M. Hart. 1,756,193; Apr. 29.
- Plugs of steam boilers, Device for replacing safety. C. H. Sweet and E. F. Hurst. 1,754,657; Apr. 15.

- Plumb bob. J. T. Oxford. 1,745,027; Jan. 28.
 Plumb-bob reel. J. A. Lundquist. 1,745,263; Jan. 28.
 Plumb protector for elevator guides. T. J. Osinga. 1,780,501; Nov. 4.
 Plumbing clean-out system. T. F. Lyle. 1,765,926; June 24.
 Plumbing connection means. T. R. Tinney. 1,774,247; Aug. 26.
 Plumbing device. L. K. Larrison. 1,783,883; Dec. 2.
 Plumbing fixture. A. M. Khun. 1,763,466; June 10.
 Plumbing fixtures, Waste mechanism for. R. H. Zinkil. 1,758,270; May 13.
 Plunger device for displaying merchandise. D. G. Danner and J. G. Thompson. 1,747,429; Feb. 18.
 Plunger for glass feeders, Composite. W. T. Barker, jr. 1,780,550; Nov. 4.
 Plunger-operating mechanism for glass furnaces. T. Stenhouse. 1,746,913; Feb. 11.
 Plunger-operating mechanism for glass furnaces. T. Stenhouse. 1,761,372; June 3.
 Ply woven fabric, Multiple-. R. Spencer. 1,750,493; Mar. 11.
 Plywood, Embossing. G. R. Meyercord and C. B. Norris. 1,780,496; Nov. 4.
 Pneumatic apparatus for producing mats or bats of fibrous materials. C. G. Moller. 1,756,468; Apr. 29.
 Pneumatic brake. G. Stremberger. 1,770,717; July 15.
 Pneumatic carrier. C. S. Jennings. 1,773,360; Aug. 19.
 Pneumatic coupling. W. Lindner. 1,759,755; May 20.
 Pneumatic conveyer. P. E. Heller. 1,771,787; July 29.
 Pneumatic-dispatch-tube system. E. Weigele. 1,751,115; Mar. 18.
 Pneumatic feeder. F. C. Seehusen. 1,779,264; Oct. 21.
 Pneumatic flow means for deep wells. J. A. Wolfe. 1,763,030; June 10.
 Pneumatic gob feeder. S. G. Stuckey. 1,772,092; Aug. 5.
 Pneumatic motor. H. Rowntree. 1,756,307; Apr. 29.
 Pneumatic protector for athletes. G. E. Mott. 1,757,019; May 6.
 Pneumatic spring. W. B. Chapman. 1,742,691; Jan. 7.
 Pneumatic spring. E. Ericsson. 1,754,989; Apr. 15.
 Pneumatic stock cleaner. M. Heckman. 1,779,129; Oct. 21.
 Pneumatic switch. E. Verlinden. 1,775,262; Sept. 9.
 Pneumatic tube systems, Multiple sending and receiving device for. W. V. McGuinness, J. M. Chulstrom, and W. H. Francis. 1,776,697; Sept. 23.
 Pocket and making the same, Shirt. J. Friedmann. 1,780,874; Nov. 4.
 Pocketbook. C. G. Conger. 1,786,896; Dec. 30.
 Pocketbook. L. Flaxman. Des. 80,784; Mar. 25.
 Pocketbook. S. Gumeiner. 1,761,390; June 3.
 Pocketbook, Combination. B. Epstein. 1,782,003; Nov. 18.
 Pocketbooks and the like, Safety attachment for. J. F. Baker. 1,760,864; June 3.
 Pocket, Cartridge. O. H. Klein. 1,759,579; May 20.
 Pocket case. C. Messner. 1,746,489; Feb. 11.
 Pocket construction. H. Kaufman. 1,746,897; Feb. 11.
 Pocket construction for trousers. M. Falkovitz. 1,748,836; Feb. 25.
 Pocket device for nail care. A. E. Adam. 1,773,770; Aug. 26.
 Pocket for garments. C. E. Sahlstrom. 1,756,138; Apr. 29.
 Pocket for gloves and the like. I. Marinsky. 1,750,180; Mar. 11.
 Pocket for shirts, Cigarette. J. W. Champion. 1,763,688; June 17.
 Pocket, Garment. H. S. Musselman. 1,743,045; Jan. 7.
 Pocket key carrier. R. H. Thayer. 1,766,563; June 24.
 Pocketknife. W. Carman. 1,743,022; Jan. 7.
 Pocketknife clip. F. Wuesthoff. 1,769,093; July 1.
 Pocket, Protective. A. E. King. 1,769,062; July 1.
 Pocket reinforcement. S. Davidoff. 1,767,967; June 24.
 Pocket, Safety. L. Vineberg. 1,786,879; Dec. 30.
 Pocket structure for garments. C. W. Mastin. 1,780,204; Nov. 4.
 Pocket, Theftproof. B. Mayer. 1,756,467; Apr. 29.
 Poison feeder, Ant-. R. H. Andrews. 1,769,408; July 1.
 Poke, Cow. C. J. Spencer. 1,753,071; Apr. 1.
 Poke, Electric animal. C. F. Faulhaber. 1,751,313; Mar. 18.
 Poker and clinker tongs, Combined. F. T. Richards. 1,742,727; Jan. 7.
 Poker for gas producers. R. Daac. 1,748,467; Feb. 25.
 Polarimeter indicator. L. Meyer. 1,777,216; Sept. 30.
 Polarimetric apparatus. M. Bereh. 1,767,831; June 24.
 Polarizing system, Converter. C. P. West. 1,763,622; June 10.
 Pole and rod holder, Collapsible. A. F. Geisinger. 1,776,425; Sept. 23.
 Pole, Electrically-operated barber. L. A. Carter and C. P. Steinmetz. 1,762,958; June 10.
 Pole hitch. E. E. Forrest. 1,760,130; May 27.
 Pole, Lighting. C. de Witt. Des. 81,634; July 22.
 Pole mounting for electrodynamic machines. T. Schou. 1,772,114; Aug. 5.
 Pole planer. C. H. Bolln. 1,758,025; May 13.
 Pole planer. O. R. Cole and M. T. Garlinger. 1,758,029; May 13.
 Pole protective means, Wood-. G. W. Hamilton. 1,761,076; June 3.
 Pole-punching machine. G. V. Hodgkins. 1,779,625; Oct. 28.
 Pole reinforcement. G. B. Spring. 1,755,461; Apr. 22.
 Pole-setting device, Line-. E. Nobles. 1,786,360; Dec. 23.
 Pole, Trolley. G. M. Bergstrom. 1,748,629; Feb. 25.
 Poles, Apparatus for and method of making tapered tubular. E. W. Riemenschneider. 1,746,281; Feb. 11.
 Polish and like tin. W. H. Nornable. 1,759,020; May 20.
 Polisher. R. Douglas. 1,777,915; Oct. 7.
 Polisher. M. C. Newton and J. A. Gremling. 1,742,318; Jan. 7.
 Polisher, Floor. T. Glen, jr. 1,764,559; June 17.
 Polisher, Floor. W. H. Hughes. 1,767,983; June 24.
 Polisher for vacuum cleaners, Floor. J. F. Morgall. 1,752,803; Apr. 1.
 Polisher, Stone. C. S. Cushman. 1,766,012; June 24.
 Polishing and cleaning composition. L. Année. 1,768,970; July 1.
 Polishing and scrubbing machine, Floor. L. N. Gillis. 1,773,992; Aug. 26.
 Polishing and waxing device, Floor. L. Lepage. 1,769,796; July 1.
 Polishing apparatus. G. L. Matthews. 1,758,006; May 13.
 Polishing apparatus. A. W. Newman. 1,773,077; Aug. 12.
 Polishing compound. O. V. Stewart. 1,750,288; Mar. 11.
 Polishing device. F. O. Albertson and G. Olsen. 1,757,228; May 6.
 Polishing device, Floor-. T. R. Ponton. 1,763,818; June 17.
 Polishing device, Roll-. J. R. Byrum. 1,786,820; Dec. 30.
 Polishing head. P. S. Legge. 1,751,930; Mar. 25.
 Polishing machine. A. L. Brown. 1,776,143; Sept. 16.
 Polishing machine. F. Flexon and C. Chew. 1,764,161; June 17.
 Polishing machine. C. E. Van Norman and B. F. Stowell. 1,761,059; June 3.
 Polishing machine, Floor-. L. N. Gillis. 1,773,993; Aug. 26.
 Polishing machine, Floor-. E. J. Newcomer. 1,768,137; June 24.
 Polishing machine, Mandrel-. W. C. Stevens. 1,768,339; June 24.
 Polishing wheel. D. F. McGovern. Des. 17,853; Nov. 4.
 Polishing-wheel-heading machine. R. G. Pilkington. 1,779,638; Oct. 28.
 Polymerization vinyl compounds and reaction of same with aldehydes, Preventing. K. G. Blaikie. 1,768,434; June 24.
 Polysulphides and process of making, Substituted thiuram. G. S. Whithy. 1,780,545; Nov. 4.
 Pontic for bridgework. B. Fischler. 1,781,899; Nov. 18.
 Pontoon for airplanes. J. G. Yonkese. 1,747,563; Feb. 18.
 Pool, Portable. J. P. Hooper. 1,742,313; Jan. 7.
 Pool, Swimming. P. Delany. 1,748,468; Feb. 25.
 Pool, Swimming. J. P. Hooper. 1,786,613; Dec. 30.
 Pool, Wading. J. P. Hooper. 1,765,074; June 17.
 Pools, Amusement device for bathing. J. J. Steinhardt. 1,772,526; Aug. 12.
 Pools, Apparatus for cleaning swimming. J. J. Johnston. 1,787,274; Dec. 30.
 Pools, Process of and apparatus for warming and cleaning. S. E. Test. 1,762,366; June 10.
 Pop-corn machine. J. H. Reichart. 1,752,457; Apr. 1.
 Pop gauge. C. J. Manuel. 1,751,867; Mar. 25.
 Popgun. E. S. Roe. 1,779,892; Oct. 28.
 Pop-up waste. F. G. Brotz. 1,783,460; Dec. 2.
 Porcelain faced crown. S. G. Supplee. 1,782,552; Nov. 25.
 Porch swing. R. Hendrix. 1,769,509; July 1.
 Porous and nonporous material, Treating. T. F. Bradley. 1,780,375; Nov. 4.
 Porous building materials, Method of manufacturing. A. V. Carlson. 1,782,460; Nov. 25.
 Porous homogeneous cloudy artificial compositions and their manufacture. K. Ripper. 1,779,047; Oct. 21.
 Porous material and the manufacturing process thereof. H. W. Greider. 1,782,384; Nov. 18.
 Porous objects, Making. A. J. Mandell. 1,742,515; Jan. 7.
 Porous products, Making. J. A. Rice. 1,749,508; Mar. 4.
 Port construction and gas burner for open-hearth furnaces. G. F. Downs, and H. F. Miller, jr. 1,786,293; Dec. 23.
 Portable elevator. R. De Lamar. 1,781,104; Nov. 11.
 Portable elevator. F. D. Mahoney. 1,758,262; May 13.
 Portable for ships. L. Schriever. 1,744,806; Jan. 28.
 Portable house. E. L. Allen. 1,754,590; Apr. 15.
 Portable screen house. G. A. Baumann. 1,743,308; Jan. 14.
 Portable shears. U. F. L. Steindorff and G. A. Ungar. 1,765,313; June 17.
 Porthole for ships. L. Schriever and A. Michael. 1,773,795; Aug. 26.
 Portière, Chain. S. Grassi. 1,758,600; May 13.
 Port light. J. S. String. 1,771,514; July 29.
 Position finder. J. B. Kneip. 1,775,563; Sept. 9.
 Position-indicating apparatus. P. O. Longyear. 1,779,818; Oct. 28.
 Positioning the left elbow of a pupil with relation to the violin. I. Glucksman. 1,764,162; June 17.
 Positive-ion emitter. C. H. Kunsman. 1,767,218; June 24.
 Post. See—
 Balustrade post. Collapsible post.
 Blinding post. Fence post.
 Bumper post. Lamp post.
 Post bracket, Adjustable. J. R. Goodwin. 1,758,440; May 13.

- Post construction, Fabricated newel. H. Felsenthal. 1,758,023; Apr. 29.
- Post driving head. J. H. Osten. 1,764,223; June 17.
- Post for loose-leaf binders, Flexible. A. G. Lotter. 1,744,274; Jan. 21.
- Post for signboards or the like. H. G. Ellis. 1,745,987; Feb. 4.
- Post light. G. W. Aldeen and E. W. North. 1,756,531; Apr. 29.
- Post puller. L. V. McManus. 1,778,682; Oct. 14.
- Post puller. J. N. Mick. 1,761,675; June 3.
- Post-pulling device. A. S. Yencha and J. A. Forish. 1,746,920; Feb. 11.
- Post-pulling device. A. S. Yencha and J. A. Forish. 1,774,303; Aug. 26.
- Post structure. H. L. Johnston. 1,763,156; June 10.
- Post top and arm, Adjustable universal. W. T. Cox. 1,773,519; Aug. 19.
- Postal dispatching station, Tubular. W. Höhne. 1,753,988; Apr. 8.
- Postal section, Tubular. W. Höhne. 1,753,169; Apr. 1.
- Postal system, Tubular. W. Höhne. 1,753,987; Apr. 8.
- Posting machine, Debit and credit. H. A. Foothorap. 1,749,477; Mar. 4.
- Posts and the like, Construction for lighting. W. Underwood. 1,777,509; Oct. 7.
- Pot: *See*—
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| Annealing pot. | Metal-melting pot. |
| Cyanide pot. | Plant pot. |
| Draw pot. | Tea or coffee pot. |
| Fire pot. | Tin pot. |
| Flower pot. | Transplanting pot. |
| Melting pot. | |
- Pot-filling apparatus, Glass-. W. E. Barnes. 1,783,459; Dec. 2.
- Pot for line-casting machines, Metal. LeR. W. Willis. 1,785,607; Dec. 16.
- Pot of the self-closing type for the cooking of food and for other uses, Cooking. M. A. Charlot. 1,759,732; May 20.
- Pot or like article, Cream. B. M. Smith and C. W. Dann. Des. 82,209; Sept. 30.
- Pot or like article, Sugar. B. M. Smith and C. W. Dann. Des. 82,210; Sept. 30.
- Pot or similar article. G. N. Allen. Des. 82,241; Oct. 14.
- Pot or similar article. E. N. Cornell. Des. 80,257; Jan. 7.
- Pot press, Filter-. L. S. Hubbert. 1,755,353; Apr. 22.
- Pot wiper for slug-casting machines. E. M. Rodriguez. 1,746,285; Feb. 11.
- Pots, Method of and apparatus for making clay. F. W. Preston. 1,765,804; June 24.
- Potassium salt content of distiller's waste, Increasing the. K. Cuker. 1,778,381; Oct. 14.
- Potato chips, Making. L. A. Morris. 1,767,389; June 24.
- Potato cutter. F. Bates. 1,745,001; Jan. 28.
- Potato-cutting machine. J. A. and C. G. Bergren. 1,784,718; Dec. 9.
- Potato digger. H. Dickebage. 1,758,562; May 13.
- Potato-digger blade. E. A. Johnson. 1,780,235; Nov. 4.
- Potato digger, Cylinder. G. Backer. 1,753,189; Apr. 1.
- Potato gatherer for potato diggers. H. Timm. 1,784,209; Dec. 9.
- Potato-harvesting machine. W. Schulze. 1,786,131; Dec. 23.
- Potato or like digger. J. and C. J. Bamford. 1,776,485; Sept. 23.
- Potato separator. W. G. Bunker. 1,751,391; Mar. 18.
- Potato-setting machine. J. F. Ljungdahl. 1,781,986; Nov. 18.
- Potato sorter and sacker. L. Stoltenberg. 1,747,266; Feb. 18.
- Potential apparatus, Constant. V. Bush. 1,756,628; Apr. 29.
- Pothead. G. P. Edmonds. 1,762,510; June 10.
- Pothead. P. F. Williams. 1,762,495; June 10.
- Pothead and series cut-out, Combination. P. F. Williams. 1,780,413; Nov. 4.
- Pot-head device. G. P. Edmonds. 1,771,881; July 29.
- Pothead for conductors. A. O. Austin. 1,786,728; Dec. 30.
- Pothead for insulated conductors. A. O. Austin. 1,786,729; Dec. 30.
- Pottery and the manufacture of the same, Glazed non-vitreous. J. Mellor. Re17,656; May 6.
- Pottery, Automatic means for turning and finishing ware in the manufacture of. W. J. Miller. 1,751,049; Mar. 18.
- Pottery-forming machine. W. J. Miller. 1,762,236; June 10.
- Pottery kick-out element. I. F. Dains. 1,781,947; Nov. 18.
- Pottery ware, Producing. W. J. Miller. 1,759,058; May 20.
- Pouches, wallets, and all kinds of leather containers, Fastening for. W. C. Hering. 1,755,296; Apr. 22.
- Poultry and fowls, Dressing. G. C. F. Bruens. 1,746,100; Feb. 4.
- Poultry-feather picker. G. A. Scott. 1,768,864; July 1.
- Poultry feeder. L. Hart. 1,759,352; May 20.
- Poultry feeder. C. G. Mikkelsen. 1,770,216; July 8.
- Poultry feeder. G. F. Scholle. 1,779,016; Oct. 21.
- Poultry fountain. C. L. Murdey. 1,779,746; Oct. 28.
- Poultry killer. G. C. Butcher. 1,783,699; Dec. 2.
- Poultry trap. T. J. Whetstone. 1,759,770; May 20.
- Pouring can. G. Porges. 1,743,283; Jan. 14.
- Pouring machine. A. J. Becker. 1,779,352; Oct. 21.
- Powder and colloidizing same, Propellant. C. H. Keck. 1,784,189; Dec. 9.
- Powder box. J. W. Jennings. Des. 80,442; Feb. 4.
- Powder box, Face. C. A. Pennock. 1,747,318; Feb. 18.
- Powder, Cleaning. F. C. Broeman. 1,782,805; Nov. 25.
- Powder compact, Cosmetic-. J. L. Younghusband. 1,775,183; Sept. 9.
- Powder compact, lip stick, and atomizer, Combination. N. Weidner. Des. 82,293; Oct. 14.
- Powder compact, Loose-. J. L. Younghusband. 1,744,293; Jan. 21.
- Powder container for vanity boxes, Loose-. A. S. Lyhne. 1,775,107; Sept. 9.
- Powder, Delay. F. Olsen. 1,748,455; Feb. 25.
- Powder device for applying vehicle brakes. W. L. Congdon. 1,760,345; May 27.
- Powder, Manufacture of smokeless. C. R. Borland. 1,752,881; Apr. 1.
- Powder puff. L. Friedberg. 1,754,090; Apr. 8.
- Powder puff. H. O. Weitlich and J. T. Walker. 1,743,872; Jan. 14.
- Powder puff and cleanser, Combination. J. T. Walker and H. O. Weitlich. 1,756,408; Apr. 29.
- Powder puff and making same. L. L. Raynor. 1,781,410; Nov. 11.
- Powder puffs and container therefor, Combined set. J. J. Cosin. Des. 81,050; Apr. 29.
- Powder, Smokeless. F. I. du Pont. 1,780,911; Nov. 11.
- Powder-supplying device with adjustable feed. L. Mutti. 1,781,595; Nov. 11.
- Powder, Treatment of black. H. E. Ellsworth. 1,770,482; July 15.
- Powdered material, Method of and apparatus for mixing. P. Goebels. 1,773,619; Aug. 19.
- Powdered materials in pipes, Apparatus for conveying. I. E. and E. Lanhoffer. 1,777,043; Sept. 30.
- Powdering machine. S. Lipsius. 1,784,459; Dec. 9.
- Powders, Drying metal. R. P. Koehring and C. R. Short. 1,761,016; June 3.
- Powdery substances, Device for distributing. L. B. Platt. 1,759,998; May 27.
- Power-actuated shears. C. Derfler. 1,744,368; Jan. 21.
- Power actuator. C. S. Bragg. 1,773,703; Aug. 19.
- Power actuator. C. S. Bragg and W. Klierath. 1,766,481; June 24.
- Power actuator. C. S. Bragg and V. W. Klierath. Re17,833; Oct. 21.
- Power actuator. C. S. Bragg and V. W. Klierath. 1,770,194; July 8.
- Power-amplifying machine. E. L. Schellens. 1,753,870; Apr. 8.
- Power apparatus. R. R. Smith. 1,782,277; Nov. 18.
- Power appliance. L. C. Upton and G. B. Keil. 1,755,973; Apr. 22.
- Power appliance, Portable. P. A. Fisher. 1,749,806; Mar. 11.
- Power apparatus, Wave-. F. E. Lawrence. 1,754,025; Apr. 8.
- Power attachment for pressing machines. W. L. Gregoire. 1,775,427; Sept. 9.
- Power baling machine. J. Hansen. 1,778,940-1; Oct. 21.
- Power brake. H. L. Shallcross. 1,761,896; June 3.
- Power braking apparatus. J. M. J. Dormoy. 1,786,195; Dec. 23.
- Power coaster. J. J. Miller and W. Platt. 1,750,187; Mar. 11.
- Power-control mechanism. F. L. Dake. 1,780,869; Nov. 4.
- Power-control mechanism. J. S. Herren. 1,775,038; Sept. 2.
- Power-control mechanism. H. C. Miller. 1,777,804; Oct. 7.
- Power control mechanism for driven machines, Electric. T. A. Bryson. 1,743,754; Jan. 14.
- Power-control system. A. H. Neuland. 1,773,842; Aug. 26.
- Power controller for pneumatic dispatch systems, Automatic. C. S. Jennings. 1,746,193; Feb. 4.
- Power-converting apparatus. C. A. Sabbah. 1,752,205; Mar. 25.
- Power cylinders, Control device for. D. M. Belcher. 1,742,692; Jan. 7.
- Power-delivering apparatus for automobiles. W. D. Gripe. 1,779,038; Oct. 21.
- Power-delivering attachment for motor vehicles. H. H. White. 1,775,611; Sept. 9.
- Power-delivering attachment for tractors. L. Haubert. 1,761,828; June 3.
- Power device, Electric. J. S. Knowlson. 1,782,927; Nov. 25.
- Power device, Hydraulic. W. R. Morris. 1,783,887; Dec. 2.
- Power distribution, Electric. B. G. Jamleson. 1,754,515; Apr. 15.
- Power-equalizing device for vehicle brakes. J. W. Smith. 1,787,092; Dec. 30.
- Power-distributing systems, Remote control plant for extensive. O. Muck. 1,771,135; July 22.
- Power-distribution system. E. W. Seeger. 1,774,528; Sept. 2.
- Power drive attachment. E. S. Maine. 1,758,527; May 13.
- Power-driven apparatus. A. Wennerberg. 1,764,665; June 17.
- Power-driven shears. U. F. L. Steindorff and H. J. Heller. 1,775,787; Sept. 16.
- Power-driven wrench. H. A. Thompson. 1,750,825; Mar. 18.
- Power-driving unit. H. J. Schmick. 1,781,083; Nov. 11.

- Power-factor control of alternating-current asynchronous machines. J. L. Matabon and C. M. Foucault. 1,754,029; Apr. 8.
- Power-factor regulator. F. H. Winter. 1,779,302; Oct. 21.
- Power from ocean waves, Apparatus for and method of obtaining. E. J. Brady. 1,757,166; May 6.
- Power generator. R. Soto. 1,782,517; Nov. 25.
- Power generator, Wind-. B. Miller. 1,767,303; June 24.
- Power-generating system. C. A. Jackson. 1,777,850; Oct. 7.
- Power-generating system and operating the same. J. Kemnal. 1,751,004; Mar. 18.
- Power-generating system, Electric-. F. W. Gay. 1,771,252; July 22.
- Power, Hydraulic transmission of. H. S. Hele-Shaw and T. E. Beacham. 1,757,483; May 6.
- Power in internal-combustion engines, Generating. H. Wahl and A. Fischer. 1,781,485; Nov. 11.
- Power installation. F. Hodgkinson. 1,754,426; Apr. 15.
- Power installation. A. R. Smith. 1,759,718; May 20.
- Power installation, Elastic-fluid engine. M. D. Church. 1,742,580; Jan. 7.
- Power leveling means for hillside harvester thrashers. A. R. Blewett. 1,769,014; July 1.
- Power lift. L. W. Chase, F. L. Zybach, and J. C. Brand. 1,770,569; July 15.
- Power machine. R. C. Simmons. 1,775,258; Sept. 9.
- Power means for steering automobiles. W. W. Fuller. 1,775,163; Sept. 9.
- Power mechanism. R. G. Thompson. 1,777,055-6; Sept. 30.
- Power mechanism for controlling the reverse gears of locomotives. E. C. Karibo, E. S. Pearce, and R. W. Retterer. 1,751,276; Mar. 18.
- Power plant. W. H. Armacost. 1,773,088; Aug. 19.
- Power plant. B. Broido. 1,760,471; May 27.
- Power plant. C. G. Curtis and E. R. Newton. 1,765,716; June 24.
- Power plant. A. Davidson. 1,781,368; Nov. 11.
- Power plant. J. M. A. Goinard. 1,752,253; Mar. 25.
- Power plant. N. Hilgers and T. Stein. 1,774,974; Sept. 2.
- Power plant. R. E. Lasley. 1,777,097; Sept. 30.
- Power plant. F. Lawaczek. 1,779,549; Oct. 28.
- Power plant. H. F. Schmidt. 1,751,604; Mar. 25.
- Power plant, Dynamo-electric. R. C. Allen. 1,748,097; Feb. 25.
- Power plant, Floating. J. J. Baker. 1,764,820; June 17.
- Power plant for aircraft and control thereof. C. M. Vought. 1,774,738; Sept. 2.
- Power plant for airplanes. E. B. Carns. 1,745,349; Feb. 4.
- Power plant for high pressure, Steam-. W. Stender. 1,767,714; June 24.
- Power plant, Hydraulic-. L. F. Moody. 1,757,926-7; May 6.
- Power plant, Internal-combustion. W. G. Noack and J. de Freudenreich. 1,785,643; Dec. 16.
- Power plant, Locomotive. L. R. Bester. 1,780,516; Nov. 4.
- Power plant, Steam-. W. Doble. 1,743,440; Jan. 14.
- Power plant, Steam. F. I. du Pont. 1,753,335; Apr. 8.
- Power plant, Steam-. O. Frey. 1,766,623; June 24.
- Power plant, Steam-. E. A. Packard. 1,754,283; Apr. 15.
- Power plant, Steam-. C. B. Page and W. D. Burton. 1,746,605; Feb. 11.
- Power plant, Steam-. J. A. Powell. 1,769,457; July 1.
- Power plant, Steam-. R. D. Spear. 1,769,472; July 1.
- Power plant, Wave-. W. H. Burry. 1,767,048; June 24.
- Power plant with closed feed system, Steam. C. R. Lang. 1,749,707; Mar. 4.
- Power plants, Apparatus for cleaning automotive. I. J. Bevins. 1,754,708; Apr. 15.
- Power plants, Interstage superheating in steam. H. Elsner. 1,780,226; Nov. 4.
- Power plants, Steam-drying or water-separating apparatus for steam-. F. Broecker. 1,781,568; Nov. 11.
- Power press. W. Klocke. 1,781,397; Nov. 11.
- Power press. R. and A. M. Thomson. 1,781,038; Nov. 11.
- Power press. M. M. Titterington. 1,779,151; Oct. 21.
- Power press, Adjustable platen. R. W. Strout. 1,774,245; Aug. 26.
- Power presses, Sizing, coining, or squeezing attachments for. N. W. Dorman. 1,772,600; Aug. 12.
- Power-producing system. B. Schottelius. 1,774,293; Aug. 26.
- Power punch. J. L. Komar. 1,774,833; Sept. 2.
- Power rake. H. Enard. 1,760,840; May 27.
- Power, Rotary mechanism for the transmission of. A. Coats. 1,760,397; May 27.
- Power-saving jack. S. D. Randolph. 1,782,512; Nov. 25.
- Power shovel. C. E. Davis. 1,747,162; Feb. 18.
- Power shears. F. A. Miller. 1,755,511; Apr. 22.
- Power shears. F. D. Vartanian. 1,758,485; May 13.
- Power shovel. P. Burke. 1,767,576; June 24.
- Power standard device. H. Nyquist. 1,786,546; Dec. 30.
- Power steam-feed lever. E. J. Gibson. 1,765,069; June 17.
- Power steering machine. C. H. Lotte. 1,761,287; June 3.
- Power-supply means. L. O. Grondahl. 1,763,097; June 10.
- Power-supply system. F. C. Barton. 1,774,467; Aug. 26.
- Power-supply system. A. P. J. Boesen. 1,773,939; Aug. 26.
- Power-supply system, Electric-. C. G. Adsit and C. E. Bennett. 1,777,952; Oct. 7.
- Power swing mechanism for paver booms. J. Daniel. 1,751,266; Mar. 18.
- Power system. H. P. Binder and J. D. Suter. 1,762,115; June 3.
- Power system. A. H. Candee. 1,750,297; Mar. 11.
- Power system. J. J. Kane. 1,763,616; June 10.
- Power system. K. Schmidt. 1,767,405; June 24.
- Power system, Remote-control. J. C. Field. 1,762,971; June 10.
- Power system and apparatus therefor. M. L. Sindeband, and O. K. Marti. 1,783,548; Dec. 2.
- Power system, Automatic. H. C. Thorne. 1,774,491-2; Aug. 26.
- Power system, Steam-. D. S. Jacobus. 1,751,238; Mar. 18.
- Power take-off. C. C. Forrester and A. L. Hanks. 1,772,247; Aug. 5.
- Power take-off. J. M. Smygel. 1,753,727; Apr. 8.
- Power take-off mechanism. B. A. Smith. 1,778,091; Oct. 14.
- Power take-off mechanism. B. A. Smith. 1,778,965; Oct. 21.
- Power take-off rack. W. P. Schlemmer. 1,770,253; July 8.
- Power take-off, Transmission. J. R. Hicks. 1,755,395; Apr. 22.
- Power take-off unit for tractors. L. J. Campbell. 1,758,352; May 13.
- Power tilting device for scrapers. C. Le Bleu. 1,773,536; Aug. 19.
- Power translator. M. P. Winther. 1,772,473; Aug. 12.
- Power transmission. C. Bearens. 1,780,858; Nov. 4.
- Power transmission. S. C. Carter. 1,783,533; Dec. 2.
- Power transmission. H. B. Chalmers. 1,748,108; Feb. 25.
- Power transmission. B. M. Coffee. 1,751,576; Mar. 25.
- Power transmission. T. R. McFarland. 1,786,356; Dec. 23.
- Power transmission. G. H. Schieferstein. 1,757,392; May 6.
- Power transmission. J. C. Smoot. 1,785,051; Dec. 16.
- Power transmission. C. S. Sorensen. 1,762,534; June 10.
- Power transmission and distribution, System of. E. W. Seeger. 1,752,032; Mar. 25.
- Power transmission and release, Method and apparatus for. A. Dow. 1,760,483; May 27.
- Power-transmission apparatus. N. G. Morici. 1,771,228; July 22.
- Power-transmission apparatus. J. J. O. Rullancich. 1,754,523; Apr. 15.
- Power-transmission apparatus. J. J. O. Rullancich. 1,770,016; July 8.
- Power transmission, Automatic. A. H. Neuland. 1,773,843; Aug. 26.
- Power transmission, Automatic. A. H. Neuland. 1,784,308; Dec. 9.
- Power-transmission device. P. S. Morgan. 1,771,809; July 29.
- Power-transmission device. A. H. Neuland. 1,784,309; Dec. 9.
- Power-transmission device. C. W. Weiss. 1,760,927; June 3.
- Power-transmission device. C. W. Weiss. 1,783,758; Dec. 2.
- Power-transmission device. S. G. Wingquist. 1,778,136; Oct. 14.
- Power transmission for motor vehicles. F. P. Ellsworth. 1,745,086; Jan. 28.
- Power transmission gearing for use on railway and other vehicles. A. E. Honey. 1,785,197; Dec. 16.
- Power take-off unit for tractors. L. J. Campbell. 1,784,088; Dec. 9.
- Power transmission, Hydraulic. V. Arkin. 1,748,436; Feb. 25.
- Power-transmission means combined with motor vehicles and engines of same. S. O'Hanrahan. 1,779,141; Oct. 21.
- Power-transmission mechanism. F. F. Dorsey and C. W. Crumrine. Re17,853; Nov. 11.
- Power-transmission mechanism. A. Dow. 1,777,403; Oct. 7.
- Power-transmission mechanism. C. Gardner. 1,776,469; Sept. 23.
- Power-transmission mechanism. R. P. Higbee. 1,753,927; Apr. 8.
- Power-transmission mechanism. C. C. Hower. 1,762,553; June 10.
- Power-transmission mechanism. H. W. Nieman. 1,751,650; Mar. 25.
- Power-transmission mechanism. O. F. Presbrey. 1,769,234; July 1.
- Power transmission mechanism. R. T. Van Valkenburgh and C. J. Van Valkenburgh. 1,767,329; June 24.
- Power-transmission mechanism, Automobile. P. Worthmann. 1,748,160; Feb. 25.
- Power-transmission mechanism, Electromagnetic. A. J. Bowle. 1,748,753; Feb. 25.
- Power-transmission mechanism, Rotary. A. Coats. 1,760,480; May 27.
- Power transmission unit for concrete mixers. C. F. Ball. 1,766,583; June 24.
- Power transmission, Variable-speed. H. B. Chalmers. 1,748,110; Feb. 25.
- Power-transmission unit, Variable-speed. G. E. A. Hallett. 1,780,423; Nov. 4.
- Power transmitter. G. A. Klimek. 1,786,433; Dec. 30.
- Power transmitter, Hydraulic. G. A. Klimek. 1,766,520; June 24.

- Power-transmitting apparatus. H. C. Stearns. 1,759,874; May 27.
- Power-transmitting apparatus, Hydraulic. R. K. Pierson and T. S. Duncan. 1,754,118; Apr. 8.
- Power-transmitting apparatus, Hydraulic. H. Sinclair. 1,768,938; July 1.
- Power-transmitting device. L. M. Sheridan. 1,765,948; June 24.
- Power-transmitting device. J. Wolkoff. 1,759,335; May 20.
- Power-transmitting device, Infinitely-variable speed-ratio. C. O. Wellman. 1,762,004; June 3.
- Power-transmitting machine. G. C. Carhart. 1,780,065; Oct. 28.
- Power-transmitting means. J. L. Creveling. 1,769,110; July 1.
- Power-transmitting means. H. Kattwinkel. 1,759,356; May 20.
- Power-transmitting mechanism. S. G. Baits. 1,763,739; June 17.
- Power-transmitting mechanism. G. E. Molyneux. 1,780,654; Nov. 4.
- Power-transmitting mechanism. G. Morgan. 1,782,543; Nov. 25.
- Power-transmitting mechanism. W. L. Paul. 1,780,503; Nov. 4.
- Power-transmitting mechanism. S. S. Rathbun. 1,745,953; Feb. 4.
- Power-transmitting system, Electrical. R. A. Millikan. 1,764,273; June 17.
- Power trip. T. F. Stringer. 1,764,993; June 17.
- Power tube. D. A. Mullaney. 1,773,630; Aug. 19.
- Power unit. R. Hoe. 1,771,629-30; July 29.
- Power wheel, Fluid. W. R. Caldwell. 1,787,103; Dec. 30.
- Precipitating system. A. G. McGregor. 1,753,015; Apr. 1.
- Precipitation process. R. W. Shafer, A. R. Nees, and R. J. Brown. 1,769,469; July 1.
- Precision gauge. W. and H. S. Jandus. 1,785,383; Dec. 16.
- Predicting device. T. J. Stephens. 1,754,653; Apr. 15.
- Preheater. F. Puening. 1,756,991; May 6.
- Preheating system. F. Puening. 1,765,771; June 24.
- Preservative material and making and applying the same. H. I. Beadle. 1,774,866; Sept. 2.
- Preservatives in treatment of timber, Recovery of surplus. R. H. Rawson. 1,756,797; Apr. 29.
- Preserving eggs, and the yolks and whites thereof. J. Fousek. 1,756,188-9; Apr. 29.
- Press: See—
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| Automatic press. | Plastic press. |
| Baling press. | Pot press. |
| Bale press. | Power press. |
| Battery-box press. | Printing press. |
| Bookbinder's press. | Punch press. |
| Brick press. | Quenching press. |
| Can-filling press. | Rimming press. |
| Clinching press. | Screw press. |
| Crate press. | Screw-spindle press. |
| Drawing press. | Sealing press. |
| Drill press. | Sheet-metal press. |
| Filter press. | Shoe press. |
| Friction clutch. | Shoe-stiffener-assembly press. |
| Friction - clutch - driven press. | Soap press. |
| Friction tile press. | Tableting press. |
| Garment or ironing press. | Tankage press. |
| Garment press. | Transfer press. |
| Hosiery press. | Tray press. |
| Hydraulic press. | Triplex web press. |
| Metal-working press. | Tube-splicing press. |
| Molding press. | Valve-pad press. |
| Pants press. | Vulcanizing press. |
- Press. H. Ackermann. 1,744,352; Jan. 21.
- Press. R. T. Anderson. 1,752,054; Mar. 25.
- Press. R. T. Anderson. 1,752,222; Mar. 25.
- Press. R. T. Anderson. 1,773,771; Aug. 26.
- Press. R. T. Anderson. 1,780,961; Nov. 11.
- Press. A. A. Byerlein. 1,768,504; June 24.
- Press. G. R. Canning-Martinsson. 1,744,831; Jan. 28.
- Press. J. J. Cavnaro. 1,763,131; June 10.
- Press. C. M. Clarke. 1,748,539; Feb. 25.
- Press. O. Drechsler. 1,748,063; Feb. 25.
- Press. J. P. Harris. 1,742,470; Jan. 7.
- Press. E. Haverbeck. 1,779,093; Oct. 21.
- Press. H. L. Hetherington. 1,777,883; Oct. 7.
- Press. E. Hopkinson. 1,777,310; Oct. 7.
- Press. J. S. Reid. 1,768,294; June 24.
- Press. O. Riemann. 1,782,273; Nov. 18.
- Press. B. Rollman. 1,749,509; Mar. 4.
- Press. B. Rollman. 1,750,432; Mar. 11.
- Press. F. H. Smith. 1,766,265; June 24.
- Press. A. E. Snow. 1,787,125; Dec. 30.
- Press. T. F. Stacy. 1,765,626; June 24.
- Pressboard. G. K. Lewis. 1,786,211; Dec. 23.
- Press-casting machine. C. J. Hult. 1,760,555; May 27.
- Press construction. L. W. Hottel. 1,748,176; Feb. 25.
- Press cure mold for the production of rubber-soled footwear. H. McGhee. 1,771,803; July 29.
- Press cylinder, Printing. M. W. Brueshaber. 1,787,187; Dec. 30.
- Press feeder and receiver. R. Novidoff. 1,762,484; June 10.
- Press feeder, Vacuum punch-. L. Jones. 1,757,529; May 6.
- Press for drawing sheet metal and the like. F. J. Rode. 1,773,438; Aug. 19.
- Press for embossing. G. W. Allison. 1,774,629; Sept. 2.
- Press for extracting liquids. H. G. Schwarz. 1,781,250; Nov. 11.
- Press for extruding seamless tubes from unbored billets of metals and alloys. A. Liebergeld. 1,773,464; Aug. 19.
- Press for forging or shaping metal. J. E. Dobson. 1,772,599; Aug. 12.
- Press for molding soap and like plastic materials. H. H. Hennequin. 1,770,646; July 15.
- Press for operating on metal or other sheets. H. A. Griffiths. 1,778,493; Oct. 14.
- Press for operating upon sheet material. A. Bredenberg. 1,784,721; Dec. 9.
- Press for paper, cardboard, or the like, Cutting and creasing. J. I. Nasmith. 1,785,526; Dec. 16.
- Press for tennis and like rackets. R. Purcell. 1,786,577; Dec. 30.
- Press for the treatment of moist materials. G. Veenhuyzen. 1,769,658; July 1.
- Press for tread splices. C. E. Maynard. 1,786,499; Dec. 30.
- Press-head construction, Steam-. L. P. Anthony. 1,754,665; Apr. 15.
- Press, particularly for testing materials, Hydraulic. A. J. Amsler. 1,782,595; Nov. 25.
- Press-roll drive. W. W. Metcalf and J. Brown. 1,767,088; June 24.
- Press-stopping device, Counter-controlled. O. C. Roesen. 1,774,762; Sept. 2.
- Press table. R. E. Manley. 1,758,451; May 13.
- Press with shiftable folding mechanism, Unit. R. R. McCormick. 1,744,131; Jan. 21.
- Presser-foot lifter and thread-tension release. J. Berger and W. M. Hanneman. 1,758,349; May 13.
- Presser-foot-lifting mechanism, Automatic. A. M. Wenzel. 1,761,899; June 3.
- Presser-foot mechanism. F. Ashworth. 1,744,858; Jan. 28.
- Presser-foot mechanism for sewing machines. F. Ashworth. 1,756,502; Apr. 29.
- Pressing apparatus, Multiple-. E. Davis. 1,777,517; Oct. 7.
- Pressing board, Shoulder-. W. J. Zulk. 1,745,395; Feb. 4.
- Pressing element for pressing machines. E. Davis. 1,782,137; Nov. 18.
- Pressing iron. F. J. Clark. 1,766,603; June 24.
- Pressing iron. J. W. Kirkner and J. O. Snowden. 1,765,679; June 24.
- Pressing machine. A. H. Adams. 1,771,476; July 29.
- Pressing machine. B. Brockett. 1,744,441; Jan. 21.
- Pressing machine. E. J. Carroll. 1,776,679; Sept. 23.
- Pressing machine. E. E. Clements. 1,756,452; Apr. 29.
- Pressing machine. S. T. Hart. Re17,619; Mar. 4.
- Pressing machine. R. C. Pauly. 1,747,879; Feb. 13.
- Pressing machine. R. C. Pauly. 1,777,150; Sept. 20.
- Pressing machine, Adjustable rotary. E. R. Manley. 1,768,469; June 24.
- Pressing machine and actuating mechanism therefor. E. Davis. 1,763,648; June 17.
- Pressing machine, Electrically-operated. W. P. Beattie. 1,755,046; Apr. 15.
- Pressing-machine element for pressing machines. E. Davis. 1,755,773; Apr. 22.
- Pressing machine for garments and the like. E. J. Schremp. Re17,570; Jan. 21.
- Pressing machine, Garment-. B. W. Brockett. 1,753,877; Apr. 8.
- Pressing machine, Garment-. P. E. Geldhof. 1,745,789; Feb. 4.
- Pressing machine, Shoe-. M. H. Ballard. 1,743,518; Jan. 14.
- Pressing machines, Actuating mechanism for. A. B. Pierce. 1,745,811; Feb. 4.
- Pressing machines, Pressure member for. L. C. Tucker. 1,780,050; Oct. 28.
- Pressing machines, Workholder for. A. B. Clisson. 1,742,692; Jan. 7.
- Pressing or molding means and method. E. V. Haffing. 1,749,813; Mar. 11.
- Presses, Adjustable bed for power. N. W. Dorman, A. H. Schloz, and M. R. Hatch. 1,778,486; Oct. 14.
- Presses and folders, Drive for unit. J. A. Isbell. 1,749,346; Mar. 4.
- Presses, Blank-holding and clutch-operating mechanism for. B. J. Lindgren. 1,760,151; May 27.
- Presses, Control for. W. B. Stuart. 1,765,314; June 17.
- Presses, Control mechanism for hydraulic. W. Ernst. 1,746,419; Feb. 11.
- Presses, Cushion attachment for. F. J. Rode. 1,743,483-4; Jan. 14.
- Presses, Effecting rotary operations in step. E. B. Nier. 1,784,745; Dec. 9.
- Presses, Feed for punching. E. V. Crane. 1,778,824; Oct. 21.
- Presses, Feeder for baling. F. Nichols. 1,756,988; May 6.
- Presses, Feeding mechanism for. R. T. Anderson. 1,780,218; Nov. 4.
- Presses, Lubricating perforator. J. T. Wright. Re17,905; Dec. 16.
- Presses, Mechano-pneumatic cushion for power. J. C. Hanna. 1,765,762; June 24.
- Presses, Motor drive for printing. H. A. W. Wood. 1,784,085; Dec. 9.
- Presses or the like, Safety device for punch. R. E. J. Nordquist and M. E. Widell. 1,773,849; Aug. 26.

- Presses, Paper-feed guide for platen. H. H. Strait. 1,778,469; Oct. 14.
- Presses, Ram for metal-extrusion. N. A. Robertson. 1,743,687; Jan. 14.
- Presses, Sheet-inserting mechanism for printing. H. A. W. Wood. 1,773,767; Aug. 26.
- Presses, Stackholder for strip-feed. J. Hansen. 1,745,616; Feb. 4.
- Presses, Throw-off mechanism for traveling-cylinder. P. F. Cox and J. L. Cox. 1,770,843; July 15.
- Presses, Transfer board for printing. E. D. Lawrence. 1,754,795; Apr. 15.
- Presses, Tripping mechanism for printing. H. Fischer. 1,779,310; Oct. 21.
- Pressure air-cooled motor, Counterthrust-. C. G. Edwards. 1,748,642; Feb. 25.
- Pressure, Apparatus for producing a proportionately-varying negative. C. F. Wallace. 1,762,706; June 10.
- Pressure applying device for two or more concentric transformer windings. G. Ammann and J. Kubler. 1,775,015; Sept. 2.
- Pressure burner. F. E. White and A. Ruttiman. 1,760,390; May 27.
- Pressure control, Apparatus for. T. H. Carpenter. 1,785,807; Dec. 23.
- Pressure-control device. W. B. Griffith. 1,744,684; Jan. 21.
- Pressure control for hydraulic oil storing and delivering systems. W. J. Peter. 1,759,662; May 20.
- Pressure-controlling apparatus, Automatic. E. K. Evans. 1,780,583; Nov. 4.
- Pressure-controlling device, Dual fluid-. J. F. Hixon. 1,752,087; Mar. 25.
- Pressure device in dispensing fluids and semifluids. A. E. Hutt. 1,767,680; June 24.
- Pressure distillation. R. E. Humphreys. 1,745,931; Feb. 4.
- Pressure distillation. N. E. Loomis. 1,757,579; May 6.
- Pressure-distributing means for internal-combustion engines, Combustion-. F. A. Bullington. 1,758,686; May 13.
- Pressure engine indicator, Internal-combustion and other fluid-. A. Reid. 1,773,240; Aug. 19.
- Pressure feed device, Limited-. C. S. Burton. 1,775,506; Sept. 9.
- Pressure-feed lubricator. W. Brauer. 1,750,701; Mar. 18.
- Pressure-fluid motor. E. H. Shaff. 1,781,130-3; Nov. 11.
- Pressure gauge. E. A. Ilemann. 1,763,354; June 10.
- Pressure gauge. E. A. Ilemann. 1,766,997; June 24.
- Pressure gauge. C. T. Mason. 1,781,818; Nov. 18.
- Pressure gauge. W. H. Osborn. 1,754,963; Apr. 15.
- Pressure gauge. J. P. Remington. 1,754,436; Apr. 15.
- Pressure gauge. G. F. Ruopp. 1,773,378; Aug. 19.
- Pressure gauge. E. A. Sutherland. 1,744,590; Jan. 21.
- Pressure gauge. I. T. Wedin. 1,761,947; June 3.
- Pressure gauge, Controlling. S. A. F. Johansson and A. O. Dahlström. 1,753,118; Apr. 1.
- Pressure-gauging apparatus. C. Wales. 1,749,007; Mar. 4.
- Pressure generator, Fluid-. E. H. Aiken. 1,752,052; Mar. 25.
- Pressure head. J. F. Pulford. 1,750,543; Mar. 11.
- Pressure-indicating device. E. S. Mason. 1,772,188; Aug. 5.
- Pressure-indicating device for use with pneumatic tires. C. W. G. Little. 1,755,010; Apr. 15.
- Pressure indicator. J. H. Becker. 1,782,803; Nov. 25.
- Pressure indicator for nuts or bolts. E. C. Baynes. 1,774,695; Sept. 2.
- Pressure indicator, Vehicle tire-. H. Jacoby. 1,772,949; Aug. 12.
- Pressure mechanism for brake systems. M. Loughhead and E. F. Loweke. 1,758,671; May 13.
- Pressure motor, Counterthrust-. C. G. Edwards. 1,748,641; Feb. 25.
- Pressure motor, Counter-thrust. C. G. Edwards. 1,752,899; Apr. 1.
- Pressure-operated motor, Fluid-. J. K. Harford. 1,772,578; Aug. 12.
- Pressure-operated regulator. E. J. Dillman. 1,751,193; Mar. 18.
- Pressure-operated switch. G. E. Bodenhamer. 1,779,355; Oct. 21.
- Pressure-operated switch, Automatic. A. Alchele. 1,750,341; Mar. 11.
- Pressure recorder, Deep-well. J. N. Hicks. 1,751,632; Mar. 25.
- Pressure-regulating device. H. G. Ritchie. 1,759,064; May 20.
- Pressure-regulating device. F. B. Stearns. 1,772,879; Aug. 12.
- Pressure regulator. C. E. Bridges. 1,764,503; June 17.
- Pressure regulator. G. M. Deming. 1,745,785; Feb. 4.
- Pressure regulator. S. E. B. Soderberg. 1,745,917; Feb. 4.
- Pressure-regulator control. C. F. Glaser. 1,742,311; Jan. 7.
- Pressure regulators, Automatic controller for. C. L. Weber. 1,744,290; Jan. 21.
- Pressure relief and indicating apparatus, Safety. J. D. Hilliard. 1,775,028; Sept. 2.
- Pressure-relief apparatus. H. G. Mobley. 1,754,641; Apr. 15.
- Pressure-relief device. C. D. Helm. 1,781,227; Nov. 11.
- Pressure relieving method and apparatus for autoclaves and the like. T. Griswold, Jr. 1,783,163; Nov. 25.
- Pressure-responsive device. R. Grant. 1,779,065; Oct. 21.
- Pressure-responsive device. H. R. Till. 1,779,056; Oct. 21.
- Pressure retainer and relief device. W. K. Rankin. 1,774,946; Sept. 2.
- Pressure-retaining system. C. W. Vogt. 1,747,338; Feb. 18.
- Pressure roller for spinning machines and the like. J. Motte. 1,772,615; Aug. 12.
- Pressures, Apparatus for measuring and recording. J. S. Peoples. 1,778,508; Oct. 14.
- Pretzels, crackers, and the like, Apparatus for treating. W. Ehrhart. 1,759,608; May 20.
- Price indicator. W. H. Elsey. 1,746,245; Feb. 11.
- Price tag. F. Kohnle. 1,770,410; July 15.
- Price tag. S. Singer. 1,752,509; Apr. 1.
- Price tag and instruction book, Combination. J. J. Proskauer. 1,745,230; Jan. 28.
- Primary cell. G. Polich. 1,771,190; July 22.
- Prime-mover-control system. C. W. Place. 1,778,605; Oct. 14.
- Prime-mover-control system. C. W. Place. 1,778,644; Oct. 14.
- Prime-mover-control system. C. B. Taylor and C. Schindler. 1,761,596; June 3.
- Primer containing synthetic products. C. Ellis. 1,745,893; Feb. 4.
- Primer for centrifugal pumps, Automatic. R. L. Morgan. 1,760,313; May 27.
- Priming attachment for internal-combustion motors. L. Brown. 1,776,214; Sept. 16.
- Priming composition. J. D. McNutt. 1,779,821; Oct. 28.
- Priming device. R. H. Thrasher. 1,764,060; June 17.
- Priming device. S. Wiltse. 1,781,890; Nov. 18.
- Priming mixture. J. D. McNutt. 1,755,330; Apr. 22.
- Priming mixture. J. D. McNutt. 1,774,992; Sept. 2.
- Priming mixture. J. D. McNutt. 1,779,820; Oct. 28.
- Priming mixture. J. D. McNutt. 1,779,851; Oct. 28.
- Print machines, Attachment for blue-. M. C. Price. 1,774,945; Sept. 2.
- Print-drying machine. E. H. Schmicking. 1,776,571; Sept. 23.
- Printed matter. A. B. Dewey and N. D. Cheronis. 1,772,342; Aug. 5.
- Printed-matter indicator. W. F. Weikel. 1,781,309; Nov. 11.
- Printed pile fabric. A. F. McCollum. 1,771,341; July 22.
- Printed sheets and apparatus therefor, Drying freshly-. R. A. Kerley. 1,743,921; Jan. 14.
- Printed transfer and making and using the same. A. J. Laws. 1,780,021; Oct. 28.
- Printer, Optical. F. H. Owens. 1,755,487; Apr. 22.
- Printer's blanket or the like. F. E. Devries. 1,778,185; Oct. 14.
- Printer's composing stick. W. F. Stuckeman. 1,762,365; June 10.
- Printer's galley. J. E. Lee. 1,755,262; Apr. 22.
- Printer's register hook. W. S. Warnock. 1,764,062; June 17.
- Printer's registering device. E. F. Noell. 1,764,030; June 17.
- Printing. W. Lobke. 1,753,932; Apr. 8.
- Printing and bronzing machine, Combination. E. W. and F. R. Belluche. 1,774,078; Aug. 26.
- Printing and embossing materials containing thermoplastic derivatives of cellulose. C. Dreyfus. 1,744,829; Jan. 28.
- Printing and issuing machine, Ticket. G. M. Bethell. 1,745,242; Jan. 28.
- Printing and similar devices, Justifying means for use in connection with. H. W. Orndoff. 1,745,443; Feb. 4.
- Printing and stamping machine. R. F. Jahn. 1,744,770; Jan. 28.
- Printing and stencilling devices, Vise attachment for. O. Halvorsen and S. F. Kiesling. 1,752,255; Mar. 25.
- Printing and tabulating machine, Combined. G. Brandl and W. Baensch. 1,746,414; Feb. 11.
- Printing apparatus. F. J. Connolly. 1,777,785; Oct. 7.
- Printing apparatus. C. L. Post. 1,768,535; May 13.
- Printing apparatus, Negative-locating device for step-and-repeat. E. Bassist. 1,761,863; June 3.
- Printing apparatus, Photographic-. D. R. N. Taylor. 1,742,372; Jan. 7.
- Printing apparatus, Step and retreat. E. Bassist. 1,750,294; Mar. 11.
- Printing block for producing marbleized effects in printed floor coverings. F. G. Rottmund. 1,773,063; Aug. 12.
- Printing chase. P. M. Pope. 1,753,173; Apr. 1.
- Printing, Chemical. H. E. Brookby. 1,763,291; June 10.
- Printing colors. K. H. Meyer, J. Müller, and U. Hoffmann. 1,756,951; May 6.
- Printing device. J. A. Bailey. 1,765,365; June 24.
- Printing device. W. T. Gollwitzer. 1,765,370; June 24.
- Printing device. H. E. Hubbard. 1,768,767; July 1.
- Printing device. A. J. Keck. 1,785,833; Dec. 23.
- Printing device. A. H. Marshall. 1,743,468; Jan. 14.
- Printing device. J. H. Meyers and E. Rosenberg. 1,746,549; Feb. 11.
- Printing device. E. F. Richter. 1,755,838; Apr. 22.
- Printing device, Finger-. P. N. Waggener. 1,743,641; Jan. 14.
- Printing die. P. Greffin. 1,752,298; Apr. 1.
- Printing-die structure. L. J. Zahn. 1,783,991; Dec. 9.
- Printing dies or blocks, Formation of rubber. H. R. Wade and L. M. Harley. 1,742,885; Jan. 7.
- Printing forms for intaglio printing, planographic printing, and the like, Etching. J. Bekk. 1,776,535; Sept. 23.
- Printing images on printing plates, Producing. O. Strecker. 1,777,706; Oct. 7.

- Printing machine. J. L. Baber, jr. 1,778,178; Oct. 14.
 Printing machine. H. V. Ball. 1,784,412; Dec. 9.
 Printing machine. J. A. Boyce. 1,778,842; Oct. 21.
 Printing machine. L. L. Buchanan and E. M. Bohlken. 1,767,577; June 24.
 Printing machine. F. Eberhart. 1,770,029; July 8.
 Printing machine. W. T. Gollwitzer. 1,768,681; July 1.
 Printing machine. A. S. Huckins. 1,775,677; Sept. 16.
 Printing machine. F. Johnson. 1,770,487; July 15.
 Printing machine. F. Johnson. 1,781,395; Nov. 11.
 Printing machine. J. E. Johnson. 1,769,138; July 1.
 Printing machine. H. G. Knox. 1,781,017; Nov. 11.
 Printing machine. H. W. Lamb, F. S. Ougheltree, and C. M. Lamb. 1,770,140; July 8.
 Printing machine. W. Rockstroh. 1,777,225; Sept. 30.
 Printing machine. C. H. Sampson. 1,781,477; Nov. 11.
 Printing machine. L. H. Zeun. 1,761,380; June 3.
 Printing machine and operating the same, Block-. D. S. Holt. 1,753,265; Apr. 8.
 Printing machine and press. G. C. H. Wichmann. 1,747,962-3; Feb. 18.
 Printing machine and sheet-conveying mechanism therefor, Sheet-fed. S. Newton and C. L. Stern. 1,746,492; Feb. 11.
 Printing machine, Border and picture. R. de Silva. 1,744,621; Jan. 21.
 Printing machine for combined intaglio and relief printing, Rotary. O. Wilhelm. 1,785,991; Dec. 23.
 Printing machine, Newspaper-. H. A. W. Wood. 1,778,780; Oct. 21.
 Printing machine, Offset. F. Fischer. 1,750,587; Mar. 11.
 Printing machine, Photographic process. W. J. Synder. 1,784,206; Dec. 9.
 Printing machine, Strip-. T. A. Palmer and J. W. Denmead. 1,764,688; June 17.
 Printing machine, Ticket and label. G. W. Henry, jr., and S. J. Thackeray. 1,765,158; June 17.
 Printing machine with sheet delivery at the front, Stop-cylinder. A. Neumann. 1,748,894; Feb. 25.
 Printing machinery. L. W. Claybourn and S. L. Sharpless. 1,746,523; Feb. 11.
 Printing machinery. A. F. Williams. 1,743,416; Jan. 14.
 Printing machines, Attachment for. A. Langsner. 1,758,612; May 13.
 Printing machines, Automatic stop for. J. E. Johnson. 1,757,310; May 6.
 Printing machines, Interleaving device for. T. W. Horn. 1,763,308; June 10.
 Printing machines, Outer covering for the moistening and inking form rollers of lithographic offset. E. B. Morris. 1,760,370; May 27.
 Printing machines, Preventing smudging in. A. F. Williams. 1,743,258; Jan. 14.
 Printing machines, Sheet delivering and stacking device for. E. Weingartner. 1,758,134; May 13.
 Printing machines, Sheet-insetting mechanism for rotary multiple-web. E. T. Morris. 1,748,988; Mar. 4.
 Printing machines, Sheet-registering mechanism for. W. K. Eckhard. 1,780,348; Nov. 4.
 Printing machines, Tripping arrangement for rotary intaglio-. O. Wilhelm. 1,743,257; Jan. 14.
 Printing machines, Work-supporting member for. F. M. Allen. 1,759,476; May 20.
 Printing mechanism. G. F. Daly and R. E. Page. 1,777,876; Oct. 7.
 Printing mechanism. W. S. Gubelmann. 1,742,523; Jan. 7.
 Printing mechanism. A. W. Mills. 1,757,133; May 6.
 Printing mechanism. C. L. Post. 1,758,536; May 13.
 Printing mechanism. O. J. Sundstrand. 1,747,743; Feb. 18.
 Printing mechanism, Alphabetical. W. W. Lasker. 1,768,526; June 24.
 Printing mechanism for calculating machines. E. Kuhrt. 1,776,076; Sept. 16.
 Printing mechanism, Record-controlled. J. W. Bryce. 1,785,999; Dec. 23.
 Printing mechanism, Word-. W. S. Gubelmann. 1,742,535; Jan. 7.
 Printing, Method or process of. O. A. Beriau. 1,775,384; Sept. 9.
 Printing multemachine, Rotary intaglio-. O. Wilhelm. 1,783,819; Dec. 2.
 Printing plate. H. A. Wood. 1,773,768; Aug. 26.
 Printing plate and producing the same. A. E. Villarejo. 1,776,015; Sept. 16.
 Printing plates, Producing. L. F. Stirling. 1,773,887; Aug. 26.
 Printing plates, Producing page. R. V. Graves. 1,742,504; Jan. 7.
 Printing press. E. Boisseau and E. J. Duffy. 1,744,204-5; Jan. 21.
 Printing press. W. C. Buchanan and W. O. Tourjee. 1,753,821; Apr. 8.
 Printing press. A. C. Christopherson. 1,759,542; May 20.
 Printing press. C. Dean. 1,749,470; Mar. 4.
 Printing press. G. L. Fulk. 1,782,608; Nov. 25.
 Printing press. R. Jacobucci. 1,783,942; Dec. 2.
 Printing press. W. M. Kelly. 1,786,116; Dec. 23.
 Printing press. R. R. McCormick. 1,744,132; Jan. 21.
 Printing press. F. R. Oertel. 1,778,272; Oct. 14.
 Printing press. B. C. Stickney. 1,763,679; June 17.
 Printing press. H. R. Trotter. 1,785,504-5; Dec. 16.
 Printing press. E. A. Waller. 1,754,379; Apr. 15.
 Printing press. E. A. Waller. 1,774,119; Aug. 26.
 Printing press. O. H. Wolf. 1,784,037; Dec. 9.
 Printing press. F. T. Wood. 1,750,557; Mar. 11.
 Printing press. F. T. Wood. 1,761,607; June 3.
 Printing-press attachment. L. S. Rosener. 1,748,427; Feb. 25.
 Printing-press bed. G. F. Bryant and W. S. Warnock. 1,752,779; Apr. 1.
 Printing-press bed. W. S. Warnock. 1,752,767; Apr. 1.
 Printing-press, Bed and cylinder. C. B. Cottrell, 3d. 1,773,094-5; Aug. 19.
 Printing-press, Bed and cylinder. H. Honigmann. 1,774,272; Aug. 26.
 Printing-press delivery. B. F. Upham. 1,756,405; Apr. 29.
 Printing press for bag blanks, Rotary web-. H. M. Barber. 1,763,123; June 10.
 Printing press, Hand-operated. D. A. Aspinwall. 1,770,506; July 15.
 Printing press, Multi-color-. C. Allen. 1,757,697; May 6.
 Printing press, Multicolor-. F. H. Van Loozen. 1,773,764; Aug. 26.
 Printing press, Platen. M. Hora. 1,745,930; Feb. 4.
 Printing press, Rapid. W. Mockel. 1,764,969; June 17.
 Printing press, Rotary. H. M. Barber. 1,745,467; Feb. 4.
 Printing press, Rotary. H. M. Barber. 1,745,469; Feb. 4.
 Printing press, Rotary. H. M. Barber. 1,746,812; Feb. 11.
 Printing press, Rotary web-. H. M. Barber. 1,744,729; Jan. 28.
 Printing press, Rotary web-. H. M. Barber. 1,783,766-7; Dec. 2.
 Printing press, Traveling-cylinder. P. F. and J. L. Cox. 1,747,662; Feb. 18.
 Printing press, Web-. J. L. Cox. 1,757,901; May 6.
 Printing presses, Delivery apparatus for. C. J. Richter. 1,766,083-4; June 24.
 Printing presses, Double-deck driving arrangement for. I. Tornberg. 1,774,772; Sept. 2.
 Printing presses, Feed board for. E. A. Bartel. 1,765,859; June 24.
 Printing presses, Frisket frame for use in connection with. E. O. R. O., F. R., and D. D. Vandercook. 1,779,384; Oct. 21.
 Printing presses, Multicolor attachment for flat-bed web-. P. F. Cox. 1,786,336; Dec. 23.
 Printing presses, Reciprocating bed motion for. W. M. Kelly. 1,777,092; Sept. 30.
 Printing presses, Smut remover for traveling cylinder-web. P. F. Cox. 1,743,656; Jan. 14.
 Printing presses, Smut remover for traveling-cylinder web. P. F. Cox. 1,758,430; May 13.
 Printing presses, Vibrator distributing roll for. A. E. King. 1,779,172; Oct. 21.
 Printing presses, Web-controlling device for. T. P. Cavanaugh. 1,776,104; Sept. 16.
 Printing, Production of. H. Renck. 1,785,210; Dec. 16.
 Printing roller. C. Cattran. 1,785,673; Dec. 16.
 Printing rollers, Apparatus for engraving. A. Teissère and J. Teissère. 1,785,883; Dec. 23.
 Printing stuff and printing method. E. Buri. 1,777,033; Sept. 30.
 Printing surface. P. Allman. 1,750,562; Mar. 11.
 Printing surface and producing same. E. Lankes. 1,745,764; Feb. 4.
 Printing telegraph. G. S. Hiltz and W. F. Purcell. 1,753,656; Apr. 8.
 Printing tubulating machine. J. R. Pierce. 1,780,685; Nov. 4.
 Printing with vat dyestuffs. E. Pfeffer. 1,744,140; Jan. 21.
 Printing words and figures, Machine for simultaneously. E. J. Ward. 1,747,559; Feb. 18.
 Prints, Apparatus for making registered. H. C. Jones. 1,786,070; Dec. 23.
 Prism, Reflecting. T. W. Rolph. 1,758,977; May 20.
 Processing apparatus. W. L. Conrad. 1,756,240; Apr. 29.
 Processing apparatus. W. L. Conrad. 1,778,380; Oct. 14.
 Processing machines, Material-handling apparatus for. J. D. Feeney. 1,748,978; Mar. 4.
 Producing carbon for absorption and decolorizing. E. Urbain. 1,778,343; Oct. 14.
 Product and making the same from sulphite waste liquors. W. E. B. Baker and F. G. Roberts. 1,764,601; June 17.
 Product obtainable by treating wool fat with a sulphonating agent and preparing the same. G. Mauthe and A. Thauss. 1,780,027; Oct. 28.
 Production tests in well drilling, Apparatus for making. G. A. Macready. 1,776,917; Sept. 30.
 Products from hydrocarbons by heat treatment, Obtaining. W. K. Lewis and N. E. Loomis. 1,767,297; June 24.
 Products from Montan wax, Production of valuable. W. Lungs and M. Jahrstorfer. 1,755,189; Apr. 22.
 Products of hydrogenation of alkylated phenols, Producing. H. Jordan. 1,782,621; Nov. 25.
 Profile, trimmer, and jigger combined, Automatic. W. J. Miller. 1,769,527; July 1.
 Profiler and miller. S. Einstein. 1,766,115; June 24.
 Program device for player musical instruments and program strip therefor. W. J. Butler. 1,783,375; Dec. 2.
 Projectile. J. L. Cox and B. M. Fine. 1,760,685; May 27.
 Projectile. P. D. Van Essen. 1,742,836; Jan. 7.
 Projectile for signaling or illuminating purposes. L. L. Driggs, jr., and H. B. Faber. 1,776,755; Sept. 23.
 Projectile for signaling or illuminating purposes. L. L. Driggs, jr., and H. B. Faber. 1,782,291; Nov. 18.
 Projectiles, bombs, or the like into mines, Device for converting. H. Grüber. 1,745,759; Feb. 4.

- Projectiles from aircraft, Device for throwing at will. F. W. van Heijst. 1,783,145; Nov. 25.
- Projectiles, Making. G. P. McNiff. 1,773,741; Aug. 26.
- Projection apparatus. K. and J. W. Brenkert. 1,766,102; June 24.
- Projection apparatus. W. E. Schwanhauser. 1,746,014; Feb. 4.
- Projection apparatus. H. H. Strong. 1,762,801-4; June 10.
- Projection apparatus, Luminous. M. L. Branger. 1,768,111; June 24.
- Projection screen. D. F. Newman. 1,783,973; Dec. 9.
- Projection screen. A. J. Cawley. 1,747,425; Feb. 18.
- Projection screen. G. F. Weinland. 1,776,342; Sept. 23.
- Projection system. A. J. Cawley. 1,759,777; May 20.
- Projection system for color pictures. J. Mihalyi. 1,762,932-3; June 10.
- Projecting apparatus. R. Cluff. 1,782,288; Nov. 18.
- Projecting apparatus. J. Kamide. 1,776,692; Sept. 23.
- Projecting apparatus. S. Stark. 1,750,910; Mar. 18.
- Projecting apparatus for cinematography. N. Florine. 1,780,123; Oct. 28.
- Projecting machine. E. E. Wagner. 1,776,207; Sept. 16.
- Projector. W. T. Birdsall. 1,769,050; July 1.
- Projector. S. Grebel. 1,744,222; Jan. 21.
- Projector. S. L. Leiby. 1,780,355; Nov. 4.
- Projector. A. J. Oberg and R. R. Stofen. 1,761,360; June 3.
- Projector, Adjustable. C. Andreino. 1,747,279; Feb. 18.
- Projector, Continuous. R. M. Like. 1,751,702; Mar. 25.
- Projector for light signals. S. M. Day. 1,748,913; Feb. 25.
- Projector, Light. R. C. Angell. 1,779,997; Oct. 28.
- Projector systems, Heat elimination screen for. A. L. Schoen. 1,750,197; Mar. 11.
- Prong for round shaft of harrows or the like, Adjustable yielding. E. L. Petterson. 1,773,317; Aug. 19.
- Proof-reader's table. J. G. Zim. 1,761,766; June 3.
- Prop. Clothes. H. B. Griner. 1,786,533; Dec. 30.
- Prop device, Ornamental. E. R. Marbach. 1,767,184; June 24.
- Prop. Mining. H. Meutsch. 1,752,101; Mar. 25.
- Prop. Pit. E. Bullough. 1,765,200; June 17.
- Propeller. F. W. Caldwell. 1,769,767; July 1.
- Propeller. S. T. Carter. 1,776,650; Sept. 23.
- Propeller. F. J. Conway. 1,746,145; Feb. 4.
- Propeller. T. A. Dicks. 1,783,225; Dec. 2.
- Propeller. G. C. Engstrand. 1,767,786; June 24.
- Propeller. P. Marczynski. 1,748,610; Feb. 25.
- Propeller. E. G. McCauley. 1,769,801; July 1.
- Propeller. J. S. McFarland. 1,775,315; Sept. 9.
- Propeller. S. Piesik. 1,775,568; Sept. 9.
- Propeller. W. G. G. Weldinger. 1,746,806; Feb. 11.
- Propeller, Adjustable. J. Haw. 1,767,127; June 24.
- Propeller, Aero. C. McCarroll. 1,780,431; Nov. 4.
- Propeller, Aeronautical. S. A. Reed. 1,778,340; Oct. 14.
- Propeller, Aeronautical. S. A. Reed. 1,781,883; Nov. 18.
- Propeller, Aeroplane. J. S. Killeen. 1,744,905; Jan. 28.
- Propeller, Aeroplane. V. Ranta. 1,772,521; Aug. 12.
- Propeller, Air. K. Stahl. 1,742,792; Jan. 7.
- Propeller, Airplane. E. G. McCauley. 1,760,876; June 3.
- Propeller, Airplane. C. Ottevaere. 1,775,138; Sept. 9.
- Propeller and governor, Aeroplane. H. M. Perez. 1,773,434; Aug. 19.
- Propeller and motor, Turbine-wheel. C. B. Strandgren. 1,753,252; Apr. 8.
- Propeller attachment. W. H. Wendt. 1,757,761; May 6.
- Propeller blade for airplanes, Automatic variable-pitch. L. Morris. 1,765,091; June 17.
- Propeller, Device for driving and controlling a fin-shaped. W. Meindersma. 1,752,100; Mar. 25.
- Propeller, Device for driving and controlling a fin-shaped. W. Meindersma. 1,774,206; Aug. 26.
- Propeller, Discharging. E. A. Marsh. 1,760,425; May 27.
- Propeller drive for airplanes, Multiple. A. Homann. 1,761,077; June 3.
- Propeller-drive means. C. H. Jenkins. 1,744,474; Jan. 21.
- Propeller, Electrically-adjustable. T. Duprey. 1,747,230; Feb. 18.
- Propeller for aircraft. A. G. Schumann. 1,742,938; Jan. 7.
- Propeller for air craft, Emergency. H. Silver. 1,779,644; Oct. 28.
- Propeller for airplanes and dirigible balloons. F. W. Caldwell. 1,763,218; June 10.
- Propeller for airplanes and the like. S. E. Slonimsky. 1,767,776; June 24.
- Propeller for marine vessels, Screw. A. J. Murray. 1,748,581; Feb. 25.
- Propeller for vessels and aircraft. M. Schul. 1,780,843; Nov. 4.
- Propeller, Hollow metal. B. E. Berg. 1,761,927; June 17.
- Propeller mechanism. F. V. Barnow. 1,742,374; Jan. 7.
- Propeller mechanism for aircraft. F. Donohue, jr. 1,786,338; Dec. 23.
- Propeller, Metal. C. Dornier. 1,785,543; Dec. 16.
- Propeller, Multiple-blade. C. A. Wragg. 1,779,026; Oct. 21.
- Propeller of helicopter type, Sustaining. E. Oehmichen. 1,742,665; Jan. 7.
- Propeller of motor-driven canal and other boats, river barges, and the like. T. H. Coggins and A. Farrington. 1,780,552; Nov. 4.
- Propeller, pump, or fan. E. S. G. Rees. 1,771,939; July 29.
- Propeller-reversing device. D. J. Scott. 1,773,550; Aug. 19.
- Propeller, Screw. D. R. Davis. 1,786,644; Dec. 30.
- Propeller, Screw. E. A. Dehmer. 1,755,633; Apr. 22.
- Propeller shaft. N. F. Hadley. 1,784,436; Dec. 9.
- Propeller spinner. C. F. Rauen. 1,773,319; Aug. 19.
- Propeller-type blower. T. F. Schmidt. 1,762,358; June 10.
- Propeller, Variable-pitch. C. K. Greene. 1,782,167; Nov. 18.
- Propeller, Variable pitch and reversible. B. J. Steinmetz. 1,761,690; June 3.
- Propelling and steering unit for boats. W. Wilson. 1,774,956; Sept. 2.
- Propelling device. W. Boer. 1,750,382; Mar. 11.
- Propelling device. L. Olsen. 1,744,568; Jan. 21.
- Propelling means for dirigible airships. J. W. Silver. 1,750,765; Mar. 18.
- Propelling mechanism. R. J. Catlett. 1,780,116; Oct. 28.
- Propelling mechanism for ships. S. Hammerstein. 1,749,815; Mar. 11.
- Portioning apparatus. W. H. Green. 1,770,307; July 8.
- Portioning machine, Portable. P. W. Yett. 1,775,746; Sept. 16.
- Propulsion by suction and repulsion. A. De Spuches. 1,771,402; July 29.
- Propulsion mechanism. S. Quisling. 1,743,978; Jan. 14.
- Propulsion of bodies. F. W. Gay. 1,775,757; Sept. 16.
- Propulsion of ships. J. De Meo. 1,777,258; Sept. 30.
- Protecting apparatus for drivers of motor or other vehicles. M. J. E. Vivier. 1,772,233; Aug. 5.
- Protecting device for bleed passages. H. G. Carlson. 1,762,010; June 3.
- Protecting sleeve for pipe-wrapping machines. H. Kramer. 1,777,095; Sept. 30.
- Protective apparatus. O. C. Traver. 1,771,361; July 22.
- Protective apparatus and circuits. A. O. Austin. 1,766,738; June 24.
- Protective apparatus for athletes. D. Levinson. 1,757,640; May 6.
- Protective apparatus for moving-picture-projecting machines. H. C. Cornetta. 1,769,771; July 1.
- Protective arrangement. W. Brückel. 1,760,541; May 27.
- Protective arrangement. A. C. Finney. 1,765,264; June 17.
- Protective arrangement. W. C. Hahn. 1,760,550; May 27.
- Protective arrangement. L. F. Kennedy. 1,787,277; Dec. 30.
- Protective arrangement. H. S. Petch and J. G. Wellings. 1,781,555; Nov. 11.
- Protective arrangement. H. S. Petch and E. L. E. Wheatcroft. 1,760,521; May 27.
- Protective arrangement. H. Piloty. 1,776,132; Sept. 16.
- Protective arrangement. O. C. Traver. Re17,601; Feb. 18.
- Protective arrangement. O. C. Traver. 1,760,531; May 27.
- Protective arrangement. O. C. Traver. 1,783,061; Nov. 25.
- Protective arrangement. O. C. Traver. 1,787,181; Dec. 30.
- Protective compound. L. J. Christmann. 1,779,961; Oct. 28.
- Protective device. H. A. Eatherton. 1,774,874; Sept. 2.
- Protective device. R. S. Howard, G. H. Brodie, and T. O. Westhafer. 1,765,531; June 24.
- Protective device. R. W. McLean. 1,769,802; July 1.
- Protective device. G. W. O'Keeffe. 1,769,539; July 1.
- Protective device. H. C. Singleton. 1,755,970; Apr. 22.
- Protective device. F. Sipos. 1,780,986; Nov. 11.
- Protective device. W. J. Stanton. 1,750,909; Mar. 18.
- Protective device, Electrical. A. J. A. Peterson. 1,749,602; Mar. 4.
- Protective device for collapsible tubes. J. Lefkowitz. 1,769,065; July 1.
- Protective device for electric circuits. H. W. Baumer. 1,782,089; Nov. 18.
- Protective device for high-tension circuits. K. Niemann. 1,768,779; July 1.
- Protective device for hydrometers. L. Edelmann. 1,767,355; June 24.
- Protective device for rotary converters. F. Hillebrand. 1,759,787; May 20.
- Protective device for the coin-admission of coin-freed machines. W. G. Coleman. 1,769,501; July 1.
- Protective device for the tonneau of motor cars and for other purposes. M. G. S. Griffith. 1,767,447; June 24.
- Protective device for use in hot-metal ladles. F. L. Arensberg. 1,776,773; Sept. 30.
- Protective means for shaft bearings. R. C. Ball. 1,769,934; July 8.
- Protective means, Head, nose, eye, and ear. H. E. Chambers. 1,750,036; Mar. 11.
- Protective structure for cashiers and the like. E. E. Spottswood. 1,761,095; June 3.
- Protective switch, Transformer. W. K. Dickinson. 1,768,398; June 24.
- Protective system. S. L. Baum. 1,785,718; Dec. 16.
- Protective system. J. V. Breisky. 1,764,385; June 17.
- Protective system. C. A. Butcher. 1,761,006; June 3.
- Protective system. V. Genkin. 1,764,399-400; June 17.
- Protective system. V. Kenkin. 1,752,947; Apr. 1.
- Protective system. H. R. Summerhayes. 1,759,765; May 20.
- Protective system, Distribution and overload. G. A. Burnham. 1,774,417; Aug. 26.

- Protective system for transmission circuits. F. W. Gay. 1,752,666; Apr. 1.
- Protector. M. C. Mather. 1,783,512; Dec. 2.
- Protector. P. J. Shrum. 1,785,985; Dec. 23.
- Protector. C. R. Volz. 1,772,922-3; Aug. 12.
- Protector, Back. J. Zwalley. 1,746,067; Feb. 4.
- Protector, Back and chest. J. Black. 1,755,533; Apr. 22.
- Protector, Check. A. J. Bushemi. 1,761,102; June 3.
- Protector, Finger. G. E. McNamara. 1,761,356; June 3.
- Protector for automobiles. E. A. Bansbach. 1,783,934; Dec. 2.
- Protector for curtains. A. S. Davies. 1,758,249; May 13.
- Protector for growing crops. F. M. Shorey. 1,748,085; Feb. 25.
- Protector for ingrowing toenails. E. B. Crenshaw. 1,772,130; Aug. 5.
- Protector for livestock. I. M. Bergsten. 1,744,034; Jan. 21.
- Protector for mining tools. L. C. Burks and J. A. Buchheit. 1,769,174; July 1.
- Protector for skate blades. B. Heath. 1,771,755; July 29.
- Protector for stems for pipes, etc., Sanitary. S. Ellis. 1,748,757; Feb. 25.
- Protector for trousers, Knee. C. Sheffield. 1,785,396; Dec. 16.
- Protector, Hand. A. D. Young. 1,747,097; Feb. 11.
- Protector, Knee and shin. G. C. Horath. 1,777,088; Sept. 30.
- Protector, Leg and ankle. F. M. Grau. 1,765,371; June 24.
- Protector, Meter. J. L. Estorge. 1,760,194; May 27.
- Protector, Pipe-thread. P. E. Hunter. 1,786,491; Dec. 30.
- Protector, Stocking. A. B. Dickerson. 1,760,299; May 27.
- Protector, Vault-lock. H. Borkenhagen and A. Olson. 1,767,273; June 24.
- Protector, Vessel-base. K. Piller. 1,772,683; Aug. 12.
- Protector, Vine. B. S. Smith. 1,760,179; May 27.
- Protector, Wheel-hub. H. E. Kiehlbauch. 1,785,127; Dec. 16.
- Protractor. W. I. McLaughlin. 1,778,981; Oct. 21.
- Protractor, Draftsmen's. N. P. Sjobring. 1,774,731; Sept. 2.
- Pruning device, Electric. L. O. B. Lindstrom. 1,786,625; Dec. 30.
- Pruning shears. H. Finken. 1,760,232; May 27.
- Pruning shears. F. L. Walter. 1,753,225; Apr. 8.
- Pry plate. C. O. Shunk and M. Redlinger. 1,747,326; Feb. 18.
- Psychogalvanic responses, Apparatus for measuring. S. R. Hathaway. 1,761,476; June 3.
- Psychrometer. C. L. Fortier. 1,743,126; Jan. 14.
- Publicity apparatus. H. M. Duchard. 1,765,215; June 17.
- Puddler for tanks of sewage-disposal plants. F. M. Ties. 1,763,448; June 10.
- Pull handle. C. H. and G. J. Overmyer. Des. 82,580; Nov. 18.
- Pull-rod carrier. T. A. Miles. 1,774,103; Aug. 26.
- Pulling device. J. D. Otto. 1,774,661; Sept. 2.
- Pulling-over machine. A. Neubert. 1,745,440; Feb. 4.
- Pulling-over machine. A. Neubert. 1,750,421; Mar. 11.
- Puller: See—
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| Battery-terminal puller. | Slack puller. |
| Connection puller. | Staple puller. |
| Cork puller. | Steel puller. |
| Gear puller. | Stump puller. |
| Hair puller. | Tack puller. |
| Hog-snout puller. | Tape puller. |
| Liner puller. | Terminal puller. |
| Nail and staple puller. | Weed puller. |
| Nail puller. | Well-casing puller. |
| Pinion puller. | Wheel puller. |
| Plant puller. | Wire puller. |
| Post puller. | Wrist-pin puller. |
- Puller. C. I. Williams. 1,746,570; Feb. 11.
- Pulley. G. W. Aldeen. 1,783,993; Dec. 9.
- Pulley. F. G. Harrison. 1,756,592; Apr. 29.
- Pulley. H. L. Phillips. 1,777,624; Oct. 7.
- Pulley. A. P. Strong. 1,758,182; May 13.
- Pulley, Adjustable belt. E. R. Rouse. 1,764,855; June 17.
- Pulley block. J. G. Bennett. 1,769,411; July 1.
- Pulley block. A. R. Campbell. 1,784,925; Dec. 16.
- Pulley block. H. Sleeman. 1,749,515; Mar. 4.
- Pulley carrier for guy lines. S. W. Hillier. 1,782,348; Nov. 18.
- Pulley, Clothesline. A. Kappel. 1,753,084; Apr. 1.
- Pulley, Coated. E. S. Avery. 1,748,100; Feb. 25.
- Pulley construction. W. D. Hammerstadt. 1,750,752; Mar. 18.
- Pulley construction. Crown-block-. E. E. Greve. 1,785,255; Dec. 16.
- Pulley, Idler. H. F. Arnold. 1,762,149; June 10.
- Pulley mount. J. M. Gwinn, Jr., and R. E. Oversmith. 1,784,521; Dec. 9.
- Pulley, Safety clothesline. A. E. Vauthier. 1,763,913; June 17.
- Pulley, Sash. F. C. Andersen and C. P. Bird. 1,756,719-20; Apr. 29.
- Pulley, Sash. H. F. Peterson and C. P. Bird. 1,756,759; Apr. 29.
- Pulley shield, Window-. R. L. Howard. 1,786,428; Dec. 30.
- Pulley structure. G. F. Womrath. 1,761,003; June 3.
- Pulley units, Apparatus for making laminated. W. T. Hensley and R. H. Lewis. 1,765,270; June 17.
- Pulley, Variable diameter. J. E. Schmidt. 1,770,948; July 22.
- Pulleys in toys and the like, Preventing strings from slipping off. E. P. Lehmann. 1,771,442; July 29.
- Pulleys, Manufacturing belt. J. C. Martins. 1,748,452; Feb. 25.
- Pulp and making the same, Sulphite wood. W. E. B. Baker. 1,773,419; Aug. 19.
- Pulp and paper, Manufacture of. L. M. Booth. 1,761,069; June 3.
- Pulp and treatment of residual liquors, etc., Manufacture of. L. Bradley and E. P. McKeefe. 1,743,080; Jan. 7.
- Pulp article, Molded-. M. P. Chaplin. 1,748,865; Feb. 25.
- Pulp articles, Method of and machine for making. R. W. Chapman. 1,778,934; Oct. 21.
- Pulp, Bleaching. D. C. Andrews. 1,782,800; Nov. 25.
- Pulp, Bleaching. L. Bradley and E. P. McKeefe. 1,768,820; July 1.
- Pulpboard, Resin-coated. H. C. Harvey. 1,763,653; June 17.
- Pulpboard, Resin-coated. H. C. Harvey and H. L. Becher. 1,776,790; Sept. 30.
- Pulp digester. E. Morterud. 1,777,217; Sept. 30.
- Pulp digester, Blowing out. E. Morterud. 1,776,761; Sept. 23.
- Pulp-drying machines, Conserving the heat and pulp from. S. Norman. 1,766,082; June 24.
- Pulp, Making. S. D. Wells. 1,746,451; Feb. 11.
- Pulp making and apparatus therefor. G. A. Richter. 1,784,849; Dec. 16.
- Pulp, Manufacture of. J. Neumann. 1,778,199; Oct. 14.
- Pulp, Manufacture of. F. G. Rawling. 1,766,944; June 24.
- Pulp material, Wood-. J. H. Wallace. 1,781,712; Nov. 18.
- Pulp, Method and apparatus for drying. R. D. Kehoe. 1,770,409; July 15.
- Pulp, Method and apparatus for shredding and drying. O. Anderson. 1,774,309; Aug. 26.
- Pulp, Method of and apparatus for screening. A. J. Haug. 1,755,162; Apr. 15.
- Pulp-molding machine. M. P. Chaplin. 1,777,281; Oct. 7.
- Pulp or fiber thickener. A. D. Wood. 1,742,294; Jan. 7.
- Pulp, Preparing cellulose. H. L. Horn. 1,779,971; Oct. 28.
- Pulp, Process and machine for thickening. A. J. Haug. 1,756,194; Apr. 29.
- Pulp, Producing low-density. L. W. Babcock. 1,777,710; Oct. 7.
- Pulp product and making the same. R. B. Arnold and R. M. Hixon. 1,756,722; Apr. 29.
- Pulp production and refining, Wood-. L. A. Braun. 1,784,039; Dec. 9.
- Pulp, Production of sulphite. G. A. Richter. 1,780,842; Nov. 4.
- Pulp-stock vat. H. Parker. 1,766,000; June 24.
- Pulp-treating process. G. A. Richter. 1,742,219; Jan. 7.
- Pulp, Treatment of. W. C. Weber. 1,770,353; July 8.
- Pulp-working apparatus. J. D. Haskell. 1,747,545; Feb. 18.
- Pulping machine. G. S. Witham, jr. 1,759,385; May 20.
- Pulposus material, Mechanism for working. J. W. Fay. 1,752,480; Apr. 1.
- Pulsator for milking machines. E. A. Forsberg. 1,750,634; Mar. 18.
- Pulsator for milking machines and the like. G. E. Jonsson. 1,757,198; May 6.
- Pulsator for milking systems, Portable. A. Sutherland. 1,774,300; Aug. 26.
- Pulsator, Hydraulic. N. H. Horne. 1,764,838; June 17.
- Pulverized-material segregator. H. G. Lykken. 1,787,079; Dec. 30.
- Pulverized mill. R. O. Groman. 1,750,636; Mar. 18.
- Pulverizer. C. E. Brainard. 1,776,411; Sept. 23.
- Pulverizer. C. A. Dreisbach. 1,776,654; Sept. 23.
- Pulverizer. G. D. Harrington. 1,748,050; Feb. 18.
- Pulverizer. G. H. Kaemmerling. 1,772,048; Aug. 5.
- Pulverizer. G. H. Kaemmerling. 1,783,717; Dec. 2.
- Pulverizer. W. W. Pettibone. 1,778,564; Oct. 14.
- Pulverizer. R. Sinclair. 1,744,927; Jan. 28.
- Pulverizer. W. A. White. 1,772,974; Aug. 12.
- Pulverizer attachment for corn planters. C. Rosen. 1,755,271; Apr. 22.
- Pulverizer, Coal. H. H. Bates. 1,762,379; June 10.
- Pulverizer, Double-roller. W. J. Dunham. 1,772,039; Aug. 5.
- Pulverizer, Roller. R. E. Dunham. 1,776,851; Sept. 30.
- Pulverizer, Roller. R. E. Dunham. 1,782,201; Nov. 18.
- Pulverizers, Attachment for stubble. A. C. Lindgren, B. R. Benjamin, and G. M. Merwin. 1,744,479; Jan. 21.
- Pulverizing apparatus. L. V. Andrews. 1,763,496; June 10.
- Pulverizing apparatus. W. K. Liggett. 1,761,083; June 3.
- Pulverizing apparatus. R. S. Riley and O. Craig. 1,759,134; May 20.
- Pulverizing machine. W. J. Armstrong. 1,751,611; Mar. 25.
- Pulverizing machine. W. J. Armstrong. 1,770,382; July 15.
- Pulverizing machine. E. H. Elzemeyer. 1,748,214; Feb. 25.
- Pulverizing machine. P. A. Hirsch. 1,744,895; Jan. 28.
- Pulverizing machine. W. K. Liggett. 1,751,009; Mar. 18.
- Pulverizing machine. B. A. O'Neill. 1,765,309; June 17.
- Pulverizing machine. C. M. Stoner. 1,769,867; July 1.
- Pulverizing machinery. W. J. Libbey. 1,769,352; July 1.

- Pulverizing materials, Apparatus for. F. H. Daniels. 1,759,100; May 20.
- Pulverizing mill. F. J. Bullock. 1,747,046; Feb. 18.
- Pulverizing mill. F. J. Bullock. 1,785,435; Dec. 16.
- Pulverizing mill. G. Galan. 1,762,056; June 3.
- Pulverizing mountain-ash berries. P. Grube. 1,749,812; Mar. 11.
- Pulverizing or grinding mill. D. J. Uhle and J. V. Durnin. 1,752,314; Apr. 1.
- Pulverizing or grinding mill. D. J. Uhle and J. V. Durnin. 1,752,622-3; Apr. 1.
- Pulverizing process and apparatus. W. B. Pedelty. 1,783,975; Dec. 9.
- Pulverulent material, Apparatus for feeding and metering. E. G. Bailey. 1,764,998; June 17.
- Pulverulent material, Thermal treatment of. F. Bartling. 1,781,659; Nov. 11.
- Pulverulent materials, Elevating. T. J. Tellefsen. 1,785,604; Dec. 16.
- Pulverulent mixtures Producing uniform. H. Bollmann. 1,776,721; Sept. 23.
- Pulverulent substances into boxes, Apparatus for pressing. F. Kilian. 1,757,370; May 6.
- Pump. R. W. Allerton. 1,752,546; Apr. 1.
- Pump. B. H. Allred. 1,762,708; June 10.
- Pump. L. D. Bair. 1,769,820; July 1.
- Pump. T. C. Bannon. 1,771,070; July 22.
- Pump. L. H. L. Bellem. 1,768,102; June 24.
- Pump. R. V. Bingham. 1,766,591; June 24.
- Pump. C. M. Bolster. 1,780,614; Nov. 4.
- Pump. W. A. Brackett and W. E. Richard. 1,764,712; June 17.
- Pump. N. T. Bradford and R. E. Early. 1,761,702; June 3.
- Pump. C. H. Braselton and F. B. MacLaren. 1,774,415; Aug. 26.
- Pump. W. M. Braybrooks. 1,779,897; Oct. 28.
- Pump. J. Brenzinger. 1,753,232; Apr. 8.
- Pump. F. G. Brown. 1,752,366; Apr. 1.
- Pump. W. H. Carstens. 1,764,433; June 17.
- Pump. G. M. Clagett. 1,776,147; Sept. 16.
- Pump. J. B. Conner. 1,766,487; June 24.
- Pump. M. Cornell. 1,776,416; Sept. 23.
- Pump. E. Cowles. 1,749,323; Mar. 4.
- Pump. E. F. Daron. 1,773,347; Aug. 19.
- Pump. F. W. Davis. 1,766,610; June 24.
- Pump. K. Davis. 1,770,683; July 15.
- Pump. W. I. Derrick. 1,760,402; May 27.
- Pump. F. Downey. 1,779,906; Oct. 28.
- Pump. C. P. Eisenhauer. 1,776,113; Sept. 16.
- Pump. C. P. Eisenhauer. 1,776,786; Sept. 30.
- Pump. T. Elliott. 1,149,212; Mar. 4.
- Pump. J. P. Ferris. 1,753,562; Apr. 8.
- Pump. J. P. Ferris. 1,775,613; Sept. 9.
- Pump. T. J. Flanagan. 1,772,136; Aug. 5.
- Pump. C. P. Frederick. 1,763,395; June 10.
- Pump. J. W. Gardner. 1,766,499; June 24.
- Pump. J. W. Gerhard. 1,772,862; Aug. 12.
- Pump. H. C. Gohring. 1,783,611; Dec. 2.
- Pump. R. U. Grant. 1,775,759; Sept. 16.
- Pump. R. W. Gunn, and W. A. S. Thompson. 1,783,615; Dec. 2.
- Pump. W. S. Harley. 1,761,038; June 3.
- Pump. C. G. Holt. 1,762,625; June 10.
- Pump. P. A. S. Iversen. 1,760,237; May 27.
- Pump. F. H. Jensen. 1,782,144; Nov. 18.
- Pump. K. G. Johansson. 1,777,923; Oct. 7.
- Pump. L. P. Kalb. 1,752,006; Mar. 25.
- Pump. W. H. J. Lannert and P. W. Cowle. 1,767,535; June 24.
- Pump. D. D. Long. 1,751,703; Mar. 25.
- Pump. H. H. Markey. 1,765,085; June 17.
- Pump. J. P. McBride. 1,748,782; Feb. 25.
- Pump. A. McNab. 1,781,404; Nov. 11.
- Pump. R. L. Meaux. 1,768,130; June 24.
- Pump. A. J. Meyer. 1,770,141; July 8.
- Pump. G. Nemetz. 1,744,791; Jan. 28.
- Pump. F. M. Oeder. 1,778,723; Oct. 21.
- Pump. F. H. Paatsch. 1,763,595; June 10.
- Pump. A. S. Parks. 1,774,663; Sept. 2.
- Pump. L. M. Persons. 1,755,611; Apr. 22.
- Pump. L. M. Persons. 1,765,698; June 24.
- Pump. J. M. Phillips. 1,784,706; Dec. 9.
- Pump. G. T. Ruston. 1,750,135; Mar. 11.
- Pump. L. Saussard. 1,744,805; Jan. 28.
- Pump. I. Schafran. 1,750,969; Mar. 18.
- Pump. H. F. Schmidt. 1,764,648; Apr. 22.
- Pump. H. F. Schmidt. 1,747,848; Feb. 18.
- Pump. I. L. Shepherd. 1,777,052; Sept. 30.
- Pump. A. B. Steen. 1,764,657; June 17.
- Pump. G. D. Sundstrand. 1,781,416; Nov. 11.
- Pump. U. G. Todd. 1,766,852; June 24.
- Pump. R. A. L. Volet. 1,783,486; Dec. 2.
- Pump. G. Weaver. 1,757,885; May 6.
- Pump. A. S. Weldy. 1,749,682; Mar. 4.
- Pump. W. T. Wheat and A. W. Stone. 1,761,379; June 3.
- Pump. A. B. Willi. 1,764,706; June 17.
- Pump. I. H. Wilsey. 1,778,238; Oct. 14.
- Pump. S. Wiltse. 1,743,583; Jan. 14.
- Pump aggregate, Governor-. A. E. L. Chorlton. 1,758,687; May 13.
- Pump, Air. E. B. Fuqua. 1,771,211; July 22.
- Pump, Air. H. Hasting. 1,772,717; Aug. 12.
- Pump, Air. G. H. Hughes. 1,763,155; June 10.
- Pump, Air. C. M. McCord. 1,744,405; Jan. 21.
- Pump, Air. C. G. Wood. 1,768,279; June 24.
- Pump, Air-lift. H. B. Halvorsen. 1,771,377; July 22.
- Pump, Air-operated grease. B. B. Dolly. 1,773,423; Aug. 19.
- Pump and compressor. K. Schoene. 1,760,171; May 27.
- Pump and container, Combined fire. M. H. Smith. Des. 82,114; Sept. 23.
- Pump and electric motor, Combined. C. Szmukler. 1,759,766; May 20.
- Pump and fluid-actuated motor of the swash-plate type, Multiple-cylinder reciprocatory. R. D. Boyce. 1,746,335; Feb. 11.
- Pump and motor, Rotary. A. W. Weeden. 1,769,047; July 1.
- Pump and motor unit for refrigerating machines. B. Bischof. 1,755,910; Apr. 22.
- Pump and packing the same. R. W. Stephens and C. E. Wilcox. 1,764,364; June 17.
- Pump and storage tank. J. T. Janette. 1,744,550; Jan. 21.
- Pump and the like, Rotary. M. G. Rosenthal. 1,776,452; Sept. 23.
- Pump and throttle control, Combined water-circulating. H. Folkerts and C. L. Yost. 1,758,569; May 13.
- Pump arrangement, Liquid-. G. A. Kramer. 1,745,800; Feb. 4.
- Pump assembly, Centrifugal. A. Hollander. 1,743,348; Jan. 14.
- Pump attachment. M. R. Donnallan. 1,747,056; Feb. 11.
- Pump, Automobile fuel. W. D. Bell. 1,742,183; Jan. 7.
- Pump barrel. E. E. Greve. 1,751,914; Mar. 25.
- Pump, Bilge. L. Le. R. Hepburn. 1,769,136; July 1.
- Pump, Boiler-feed. R. E. White. 1,750,980; Mar. 18.
- Pump, Booster. R. Wedeberg. 1,767,494; June 24.
- Pump, Bore-hole. C. Schaefer. 1,758,175; May 13.
- Pump, Built-up standing-column. P. H. Bray. 1,755,421; Apr. 22.
- Pump, Car-washing. E. A. Hobart. Des. 82,889; Dec. 23.
- Pump, Centrifugal. A. O. Fabrin. 1,754,992; Apr. 15.
- Pump, Centrifugal. O. Jacobsen. 1,755,217; Apr. 22.
- Pump, Centrifugal. H. L. Keun. 1,757,670; May 6.
- Pump, Centrifugal. J. Kirgan. 1,757,576; May 6.
- Pump, Centrifugal. S. Komfala. 1,786,435; Dec. 30.
- Pump, Centrifugal. A. V. Mueller. 1,783,667; Dec. 2.
- Pump, Centrifugal. E. R. Wilfey. 1,756,323-4; Apr. 29.
- Pump, Centrifugal. C. G. Wood. 1,757,281-2; May 6.
- Pump, Centrifugal water. I. C. Jennings. 1,759,313; May 20.
- Pump closure, Sirup-. A. E. Heffner. 1,769,429; July 1.
- Pump, Combined high and low pressure. W. Bussmann. 1,770,297; July 8.
- Pump, Compressed-air. C. C. Martin. 1,750,719; Mar. 18.
- Pump, Compressor. E. L. Barnes. 1,782,188; Nov. 18.
- Pump connection. G. S. Wright. 1,757,034; May 6.
- Pump, Deep-well. D. D. Burch. 1,757,791; May 6.
- Pump, Deep-well. E. S. Grafenstatt. 1,767,879-80; June 24.
- Pump, Deep-well. E. E. Johnson. 1,778,497; Oct. 14.
- Pump, Deep-well. C. A. Joy. 1,765,921; June 24.
- Pump, Deep-well. M. H. Kilgore. 1,785,834; Dec. 23.
- Pump, Deep-well. H. Paterson. 1,755,661; Apr. 22.
- Pump, Deep-well. J. E. Shutt. 1,765,457; June 24.
- Pump, Diaphragm. C. I. Longenecker. 1,767,934; June 24.
- Pump, Differential. F. Strothmann. 1,774,818; Sept. 2.
- Pump, Differential Vacuum. D. N. Crosthwait, jr. 1,755,430; Apr. 22.
- Pump, Double-acting. J. C. Cairncross. 1,777,195; Sept. 30.
- Pump, Double-acting. J. C. Cairncross. 1,778,063; Oct. 14.
- Pump, Double-acting. D. H. Goldman. 1,749,216; Mar. 4.
- Pump, Double-acting. J. S. Hunter. 1,783,425; Dec. 2.
- Pump, Double-acting lubricating. F. A. Gerling. 1,773,669; Aug. 19.
- Pump, Double-delivery. J. M. Naiman. 1,746,901; Feb. 11.
- Pump, Double-runner spiral. L. F. Moody. 1,769,886; July 1.
- Pump drive, Deep-well turbine-. R. M. Magnuson. 1,772,778; Aug. 12.
- Pump, Electric. W. A. Chryst and H. C. Walters. 1,742,848; Jan. 7.
- Pump, Electrical. A. A. Canton. 1,780,335; Nov. 4.
- Pump, Electrically-operated fuel. W. C. Carter. 1,779,420; Oct. 28.
- Pump, Electromagnetic. H. Wallace. 1,742,837; Jan. 7.
- Pump, Extensible plunger. E. W. Patterson. 1,779,557; Oct. 28.
- Pump, Fluid. J. Liming, jr. 1,770,317; July 8.
- Pump, Fluid. W. J. Press. 1,769,647; July 1.
- Pump, Fluid-displacement. E. F. McCarthy. 1,767,541; June 24.
- Pump, Fluid-operated. P. F. Lungling. 1,764,482; June 17.
- Pump, Fluid-operated. J. A. Wray. 1,750,146; Mar. 11.
- Pump, Fluid-pressure. P. Honn. 1,767,072; June 24.
- Pump for deep wells, Underground. R. C. Mason. 1,777,981; Oct. 7.
- Pump for elevating liquid. W. F. Leschen. 1,761,081; June 3.
- Pump for flange lubricators. E. C. Howerton and A. Berglin. 1,751,636; Mar. 25.
- Pump for inflating pneumatic tires. C. D. Steel. 1,759,287; May 20.
- Pump for internal-combustion engines, Electrically-operated fuel. W. C. Carter. 1,751,975; Mar. 25.

- Pump for internal-combustion engines, Fuel. J. Benes. 1,784,170; Dec. 9.
- Pump for internal-combustion engines, Fuel. F. Egersdörfer. 1,772,828; Aug. 12.
- Pump for internal-combustion engines, Fuel. P. L'Orange. 1,778,158; Oct. 14.
- Pump for internal-combustion engines of the fuel-injection type, Fuel supplying and injecting. J. C. Groff. 1,771,038; July 22.
- Pump for internal-combustion engines, Oil. J. C. Coulombe. 1,757,514; May 6.
- Pump for lubricants and other viscous substances in variable and determined quantities, Distributing. J. Muller. 1,763,189; June 10.
- Pump for lubricating system. A. M. Farmer. 1,776,466; Sept. 23.
- Pump for mixing oil and air. J. R. Kinney. 1,751,006; Mar. 18.
- Pump for multicylinder internal-combustion engines, Fuel. J. Mahler. 1,752,386; Apr. 1.
- Pump for oil well. R. G. Hawley. 1,755,990; Apr. 22.
- Pump for oil wells. C. E. Pollis. 1,754,088; Apr. 8.
- Pump for power units, Circulating. J. S. Oechsle. 1,756,207; Apr. 29.
- Pump for refrigerating apparatus. H. A. Greenwald. 1,761,036; June 3.
- Pump for refrigerating apparatus. J. G. King and H. B. Hull. 1,768,610; July 1.
- Pump for refrigerating apparatus. J. H. Sheats. 1,768,638; July 1.
- Pump for refrigerating apparatus. F. R. West. 1,769,978; July 8.
- Pump for supplying gasoline to carburetors, Inertia. S. Vernet. 1,760,387; May 27.
- Pump for the purpose of spinning mills, Liquid. P. Knappe. 1,776,031; Sept. 16.
- Pump, Four-way valve. L. Deutsch and G. J. Genung. 1,778,210; Oct. 14.
- Pump, Force. J. Binderup. 1,766,010; June 24.
- Pump, Fuel. C. R. Alden. 1,756,145; Apr. 29.
- Pump, Fuel. H. G. Kamrath. 1,742,770; Jan. 7.
- Pump, Fuel. F. N. Nutt. 1,742,779; Jan. 7.
- Pump, Fuel. J. P. Remington. 1,768,487; June 24.
- Pump, Fuel. J. T. Trumble. 1,783,940; Dec. 2.
- Pump, Fuel. K. J. Watters. 1,787,346; Dec. 30.
- Pump, Fuel. S. Wiltse. 1,743,582; Jan. 14.
- Pump, Fuel-charging. J. Mahler. 1,767,597; June 24.
- Pump, Fuel-injector. V. H. Palm. 1,758,371; May 13.
- Pump, Gas-lift. B. R. Schabarum. 1,777,680; Oct. 7.
- Pump, Gasoline. E. E. Eickmeyer. 1,754,504; Apr. 15.
- Pump, Gasoline-dispensing. W. F. Perez. 1,751,880; Mar. 25.
- Pump, Geared. M. Hedgdon. 1,773,814; Aug. 26.
- Pump, Grease. W. F. Clark. 1,755,684; Apr. 22.
- Pump head. J. C. Cairncross. 1,774,418; Aug. 26.
- Pump heads, Bottom attachment and nonreversing attachment for motor-driven. C. E. Johnson. 1,764,263; June 17.
- Pump, Hermetically-sealed. L. R. Calvert. 1,745,979; Feb. 4.
- Pump, Hydraulic. F. B. Yingling. 1,775,612; Sept. 9.
- Pump, Hydraulically-actuated. M. T. Archer. 1,746,811; Feb. 11.
- Pump, Hydraulically-operated diaphragm. B. Stevens. 1,769,044; July 1.
- Pump, Hydroturbine. I. C. Jennings. 1,766,752; June 24.
- Pump impeller, Centrifugal-. G. L. Ferguson. 1,768,241; June 24.
- Pump impellers, hydraulic turbine runners, and analogous structures, Preventing pitting of rotatable. C. E. Lucke. 1,744,908; Jan. 28.
- Pump, Inertia-operated. F. B. Maclaren. 1,769,799; July 1.
- Pump, Intermittent gas-lift. M. T. Archer. 1,780,808; Nov. 4.
- Pump, Internal-combustion. E. W. MacKay-White. 1,752,130; Mar. 25.
- Pump, Internal-gear. O. L. Bock. 1,768,818; July 1.
- Pump jack. B. J. Crist. 1,754,982; Apr. 15.
- Pump jack. R. T. Cruikshank. 1,784,823; Dec. 16.
- Pump jack. F. W. Johnson. 1,777,169; Sept. 30.
- Pump jack. E. A. Mummé. 1,763,364; June 10.
- Pump jack. L. G. Nordstrom. 1,756,098; Apr. 29.
- Pump jack. S. B. Sargent. 1,742,486; Jan. 7.
- Pump jack. E. E. Stevenson. 1,764,058; June 17.
- Pump, Lift. T. Babin. 1,747,537; Feb. 18.
- Pump lines, Priming chamber for. A. H. Todd. 1,761,504; June 3.
- Pump, Liquid. H. Beyer. 1,782,252; Nov. 18.
- Pump, Liquid. P. Krause. 1,768,773; July 1.
- Pump, Liquid. B. H. Scott and S. E. Ross. 1,764,473; June 17.
- Pump, Liquid-dispensing. E. E. Eickmeyer. Des. 82,734; Dec. 9.
- Pump, Liquid-elevating. C. H. Braselton and F. B. MacLaren. 1,746,693; Feb. 11.
- Pump, Liquid-fuel. A. E. Berdon. 1,760,856; May 27.
- Pump, Liquid-fuel. A. E. Berdon. 1,762,114; June 3.
- Pump, Liquid-measuring. E. E. Eickmeyer. 1,752,523; Apr. 1.
- Pump, Liquid-measuring. R. Porte. 1,745,229; Jan. 28.
- Pump, Lock-bottom. R. W. Gunn and W. A. S. Thompson. 1,764,075; June 17.
- Pump lubricator, Water-. J. F. MacIndoe. 1,778,396; Oct. 14.
- Pump mechanism. S. Wiltse. 1,743,584; Jan. 14.
- Pump mechanism. S. Wiltse. 1,769,007; July 1.
- Pump mechanism. S. Wiltse. 1,780,217; Nov. 4.
- Pump mechanism, Injection-. F. Carter and E. Carter. 1,746,579; Feb. 11.
- Pump mechanism, Oil and fuel. S. Wiltse. 1,743,586; Jan. 14.
- Pump mechanism, Rotary. M. E. Layne. 1,745,547; Feb. 4.
- Pump members, Making. V. V. Messer. 1,780,208; Nov. 4.
- Pump, Mercury-vapor vacuum. E. Kobel. 1,766,651; June 24.
- Pump, Metering. F. McIntyre. 1,785,386; Dec. 16.
- Pump, Motor-driven. J. L. Lawrence. 1,777,852; Oct. 7.
- Pump motor, Submersible. V. Gutmann and L. Steiner. 1,768,902; July 1.
- Pump motor, Weatherproof. C. E. Johnson. 1,764,793; June 17.
- Pump, Multiple-cylinder reciprocating water. C. I. Longenecker. 1,751,413; Mar. 18.
- Pump, Multistage and expansion-fluid. C. H. Hardie and W. Jones. 1,766,382; June 24.
- Pump, Multistage hot-water centrifugal. G. Weyland. 1,765,895; June 24.
- Pump of internal-combustion engine, Fuel. J. Mahler. 1,762,232; June 10.
- Pump of the oscillating-blade type, Rotary. L. I. Poirmeur. 1,782,314; Nov. 18.
- Pump, Oil. A. Bizzarri. 1,781,803; Nov. 18.
- Pump, Oil. A. J. Gifford and B. S. T. Bishop. 1,765,914; June 24.
- Pump, Oil. C. H. Glass. 1,772,141; Aug. 5.
- Pump, Oil. J. P. Heil. 1,765,724; June 24.
- Pump, Oil. A. A. Kaplansky. 1,758,159; May 13.
- Pump, Oil. A. W. F. Manzel. 1,772,319; Aug. 5.
- Pump, Oil. E. P. Reynolds. 1,755,516; Apr. 22.
- Pump, Oil. H. T. Woolson. 1,748,744; Feb. 25.
- Pump, Oil-dispensing. J. B. Eastes. 1,767,354; June 24.
- Pump, Oil-well. A. Arutunoff. 1,758,346; May 13.
- Pump, Oil-well. D. D. Burch. Re17,674; May 27.
- Pump, Oil-well. H. L. Crull. 1,761,876; June 3.
- Pump, Oil-well. W. F. McMahon. 1,779,483; Oct. 28.
- Pump oil with fluids, Method and means to. W. D. Sawyer. 1,758,376; May 13.
- Pump oiler, Mechanic's. E. R. Symons. 1,747,800; Feb. 18.
- Pump-operating mechanism. G. Kammerer. 1,758,609; May 13.
- Pump-operating mechanism. W. J. Mundt. 1,775,653; Sept. 16.
- Pump-operating mechanism, Variable-stroke. A. Abramson. 1,771,907; July 29.
- Pump or blower, Rotary. J. R. Richer. 1,753,476; Apr. 8.
- Pump or compressor, Fluid. W. H. Carrier. 1,760,475; May 27.
- Pump or engine. A. M. Freeland. 1,761,259; June 3.
- Pump or engine construction. C. A. Anderson. 1,755,169; Apr. 22.
- Pump or engine, Rotary. E. Groesbeck. 1,785,444; Dec. 16.
- Pump or pulsator, Vacuum. L. Dinesen. 1,755,318; Apr. 22.
- Pump or the like. G. A. Schlotter. 1,785,460; Dec. 16.
- Pump or the like, Liquid-dispensing. O. C. Hufnagle and W. F. Reichenderfer. 1,765,273; June 17.
- Pump outflow-regulating device. E. Piquerez. 1,782,073; Nov. 18.
- Pump, Parallel-series. H. M. Havens. 1,782,469; Nov. 25.
- Pump, Piston. H. Friberg. 1,772,137; Aug. 5.
- Pump, Piston. R. A. Swainson. 1,775,975; Sept. 16.
- Pump-piston packing adjusting mechanism. W. F. McMahon. 1,744,565; Jan. 21.
- Pump plunger. F. W. Moyer and F. J. Reninger. 1,751,350; Mar. 18.
- Pump plunger. E. A. Robertson. 1,765,097; June 17.
- Pump plungers, Shroud for multistage. L. C. Black. 1,759,088; May 20.
- Pump, pneumatic. J. O. McMillan. 1,776,266; Sept. 23.
- Pump, Pneumatic. H. S. Rogers and R. Raddatz. 1,767,477-8; June 24.
- Pump, Pneumatic. M. S. Swanstrom. 1,762,597; June 10.
- Pump, Pneumatic casting. N. Lester. 1,744,975; Jan. 28.
- Pump, Pneumatic grease. T. B. Bennett. 1,764,926; June 17.
- Pump, Pneumatic ladle. I. Tornberg. 1,773,799; Aug. 26.
- Pump, Pneumatic spiral water. T. Westgard. 1,774,776; Sept. 2.
- Pump, Portable. C. I. Longenecker. 1,768,483; June 24.
- Pump, Power-driven. H. G. Holmes. 1,751,634; Mar. 25.
- Pump-priming system, Centrifugal. O. Haentjens. 1,782,345; Nov. 18.
- Pump regulator, Automatic oil-. C. Matlock. 1,770,213; July 8.
- Pump-rod swivel. T. P. Novick. 1,745,310; Jan. 28.
- Pump, Rotary. J. H. P. Andrews. 1,742,890; Jan. 7.
- Pump, Rotary. D. C. Baker. 1,782,771; Nov. 25.
- Pump, Rotary. A. Bargeboer. 1,782,282; Nov. 18.
- Pump, Rotary. L. P. Barlow. 1,749,058; Mar. 4.
- Pump, Rotary. L. P. Barlow. 1,749,121; Mar. 4.
- Pump, Rotary. A. Baumann. 1,765,360; June 24.
- Pump, Rotary. E. Caskey. 1,750,212; Mar. 11.
- Pump, Rotary. L. A. Fitzer. 1,746,889; Feb. 11.
- Pump, Rotary. G. G. Gasal. 1,743,539; Jan. 14.
- Pump, Rotary. W. E. Hoke. 1,742,597; Jan. 7.

- Pump, Rotary. H. O. Jackson. 1,778,947; Oct. 21.
 Pump, Rotary. I. C. Jennings. 1,766,751; June 24.
 Pump, Rotary. H. P. Lewis and E. S. Peters. 1,781,065; Nov. 11.
 Pump, Rotary. G. E. Roberts. 1,772,498; Aug. 12.
 Pump, Rotary. R. Schmidt. 1,771,863; July 29.
 Pump, Rotary. O. Siemen and J. Hinsch. 1,778,169; Oct. 14.
 Pump, Rotary. J. B. Teesdale. 1,758,298; May 13.
 Pump, Rotary. E. J. Wendell. 1,781,619; Nov. 11.
 Pump, Rotary air. L. F. Easton. 1,781,375; Nov. 11.
 Pump, Rotary fluid. T. L. Morris. 1,785,140; Dec. 16.
 Pump, Rotary force. H. Petersen. 1,762,418; June 10.
 Pump, Rotary force-feed piston. H. Johanson and G. Köppel. 1,747,245; Feb. 18.
 Pump, Rotary gas. I. C. Jennings. 1,756,594; Apr. 29.
 Pump, Sand. J. Gyger. 1,763,234-5; June 10.
 Pump screen cage, Oil-. C. E. Jacobs. 1,764,170; June 17.
 Pump seal. J. Kirgan. 1,744,971; Jan. 28.
 Pump, Sewage-disposal plant. T. B. Sims. 1,786,032; Dec. 23.
 Pump-shaft bearing apparatus, Circulating-. R. R. Waterman. 1,770,053; July 8.
 Pump, Siphon. G. V. Gavaza. 1,771,407; July 29.
 Pump, Spinning. C. W. Lawser. 1,785,355-6; Dec. 16.
 Pump, Spur-gear. I. H. Wilsey. 1,783,209; Dec. 2.
 Pump stop, Safety field-. H. A. Denton. 1,778,247; Oct. 14.
 Pump, Stuff. A. Aldrich. 1,785,687; Dec. 16.
 Pump, Suction. W. G. Cumming. 1,756,678; Apr. 29.
 Pump, Sump. J. L. Oberdorfer. 1,785,557; Dec. 16.
 Pump, Sump or bilge. I. C. Jennings. 1,780,679; Nov. 4.
 Pump-supporting means. T. E. Morin. 1,746,863; Feb. 11.
 Pump, Syrup. D. C. Seitz. 1,784,977; Dec. 16.
 Pump system. O. Haentjens. 1,745,257; Jan. 28.
 Pump, Tank. A. E. Davenport. 1,742,901; Jan. 7.
 Pump, Tire. R. B. Jordan. 1,784,143; Dec. 9.
 Pump, Tire. C. I. Matson. 1,777,009; Sept. 30.
 Pump, Turbine. G. W. Slocumb. 1,772,525; Aug. 12.
 Pump, Turbo. V. Schleyer. 1,787,088; Dec. 30.
 Pump unit. J. D. Langdon. 1,749,038; Mar. 4.
 Pump unit. E. B. Winters. 1,758,730; May 13.
 Pump unit, Water-system. S. H. Hobson. 1,764,307; June 17.
 Pump, Vacuum. W. T. McCabe. 1,748,488; Feb. 25.
 Pump, Vacuum. A. S. Parks. 1,774,662; Sept. 2.
 Pump, Vacuum. O. Seitz. 1,769,075; July 1.
 Pump, Vacuum. W. P. Whittington. 1,777,817; Oct. 7.
 Pump, Vacuum and pressure. R. G. Demaree. 1,769,257; July 1.
 Pump, Vacuum condensation. A. C. Durdin, jr. 1,753,557; Apr. 8.
 Pump, Vacuum condensation. A. C. Durdin, jr. 1,775,425; Sept. 9.
 Pump, Vacuum condensation. A. C. Durdin, jr. 1,786,055; Dec. 23.
 Pump, Variable-delivery. M. K. Ingoldby. 1,748,606; Feb. 25.
 Pump, Variable-stroke fuel. J. Zubaty. 1,742,746; Jan. 7.
 Pump, Viscose or rayon. O. Hajek. 1,774,095; Aug. 26.
 Pump, Visible. L. Deutsch. 1,754,615; Apr. 15.
 Pump, Water. H. G. Fisher. 1,768,592; July 1.
 Pump water-pressure shock absorber and blow-off valve. Slush-. E. Timbs and L. E. Zerbe. 1,776,937; Sept. 30.
 Pump, Well. C. H. Bergquist. 1,742,802; Jan. 7.
 Pump, Well. H. F. Watkins. 1,744,938; Jan. 28.
 Pump, Well-bailing. W. Sheldon. 1,772,369; Aug. 5.
 Pump with return of the liquid to the reservoir after use, Multiway liquid-pressure distributing. W. Tastenhoye. 1,765,249; June 17.
 Pumping and lubricating apparatus. R. C. Newhouse. 1,761,579; June 3.
 Pumping apparatus. A. C. Durdin, jr. 1,786,056; Dec. 23.
 Pumping apparatus. G. L. Ferguson. 1,749,912; Mar. 11.
 Pumping apparatus. G. L. Ferguson. 1,757,300; May 6.
 Pumping apparatus. G. L. Ferguson. 1,768,242; June 24.
 Pumping apparatus. G. L. Ferguson and C. G. Wood. 1,768,313; June 24.
 Pumping apparatus. A. Frisch. 1,750,170; Mar. 11.
 Pumping apparatus. I. B. Humphreys. 1,765,427; June 24.
 Pumping apparatus. E. Kinsella. 1,760,070; May 27.
 Pumping apparatus. J. B. Sperry. 1,751,767; Mar. 25.
 Pumping apparatus. J. W. Taylor. 1,777,536; Oct. 7.
 Pumping apparatus. U. G. Todd. 1,766,853; June 24.
 Pumping apparatus. E. A. Watts. 1,744,087; Jan. 21.
 Pumping apparatus. I. B. Winsor. 1,743,259; Jan. 14.
 Pumping apparatus. J. A. Yerkes. 1,745,566; Feb. 4.
 Pumping apparatus, Deep-well. H. F. Childers. 1,742,579; Jan. 7.
 Pumping apparatus, Duplex wet vacuum. I. C. Jennings. 1,756,595; Apr. 29.
 Pumping apparatus for artificial-silk spinning solutions. E. Kinsella. 1,773,904; Aug. 26.
 Pumping apparatus for sewage and other liquids. A. C. Durdin, jr. 1,785,480; Dec. 16.
 Pumping apparatus, Oil-. G. C. Engstrand. 1,743,762; Jan. 14.
 Pumping apparatus, Water-system. S. H. Hobson. 1,763,706; June 17.
 Pumping apparatus, Well-. J. T. Overstreet. 1,782,310; Nov. 18.
 Pumping device, Vacuum-operated. C. S. Burton. 1,747,575; Feb. 18.
 Pumping device, Water-. W. Nagy. 1,768,210; June 24.
 Pumping engine. P. Diserens. 1,754,743; Apr. 15.
 Pumping equipment, Oil-well-. E. C. Ekstromer. 1,772,539; Aug. 12.
 Pumping jack. H. M. Jarvis. 1,758,838; May 13.
 Pumping jack. H. W. Parkin. 1,787,164; Dec. 30.
 Pumping jack, Long-stroke. L. G. Burt. 1,752,144; Mar. 25.
 Pumping jack, Long-stroke. J. S. Hunter. 1,756,089; Apr. 29.
 Pumping jack, Oil-well. R. B. Norris. 1,750,021; Mar. 11.
 Pumping liquid. P. H. Granger. 1,758,153; May 13.
 Pumping machine. A. Morefield. 1,773,057; Aug. 12.
 Pumping mechanism. A. A. Canton. 1,780,336-7; Nov. 4.
 Pumping mechanism for washing machines. G. W. Dunham. 1,785,579; Dec. 16.
 Pumping mechanism, Long-stroke. J. U. Davis. 1,761,330; June 3.
 Pumping operating mechanism, Straight-line. A. E. and W. E. Martois. 1,780,933; Nov. 11.
 Pumping outfit, Long-stroke. E. D. Smith and C. S. McIntyre. 1,781,347; Nov. 11.
 Pumping power. B. G. Goble. 1,767,282; June 24.
 Pumping system. H. E. La Bour. 1,775,860; Sept. 16.
 Pumping system. R. Jacuzzi. 1,758,400; May 13.
 Pumping system. E. E. Vinson. 1,766,156; June 24.
 Pumping system, Displacement. J. Oliphant. 1,783,747; Dec. 2.
 Pumping unit. R. D. Bane. 1,779,762; Oct. 28.
 Pumping unit. W. F. Reschke. 1,778,228; Oct. 14.
 Pumping unit, Multiple. C. McKissick. 1,761,355; June 3.
 Pumping unit, Portable. C. C. Hansen. 1,764,259; June 17.
 Pumping viscous fluids, Apparatus for. G. C. Engstrand. 1,743,761; Jan. 14.
 Pumps, Accelerating means for fuel. J. Zubaty. 1,749,367; Mar. 4.
 Pumps and bailers, Sand bottom for. R. B. Welsh. 1,785,990; Dec. 23.
 Pumps and the like, Method of and apparatus for ascertaining the relative capacities of. H. N. Packard. 1,774,723; Sept. 2.
 Pumps, Automatic regulation of centrifugal. A. H. Wijmans. 1,773,563; Aug. 19.
 Pumps, Calibrating mechanism for positive stops for visible. W. H. Marsh. 1,749,106; Mar. 4.
 Pumps, Connecting rod for air. S. L. Fisher. 1,754,618; Apr. 15.
 Pumps, Controller for power-driven. E. W. Seeger. 1,784,205; Dec. 9.
 Pumps, Controlling means for recording. D. F. Kay, jr. 1,766,386; June 24.
 Pumps, Device for evacuating. F. Oberascher. 1,764,640; June 17.
 Pumps, Device for evacuating. F. Oberascher. 1,777,649; Oct. 7.
 Pumps, Inlet for. L. E. Curphey. 1,742,758; Jan. 7.
 Pumps, Jack frame for well. J. R. Mehan and J. B. Picard. 1,752,647; Apr. 1.
 Pumps, Liner for centrifugal. G. R. Hargis. 1,743,916; Jan. 14.
 Pumps, Liner puller for hydraulic. M. J. Staser. 1,754,059; Apr. 8.
 Pumps, Nonreverse mechanism for rotary. R. M. Schlegel and A. H. Bowlzer, jr. 1,778,341; Oct. 14.
 Pumps, Power head for. E. B. Fuqua. 1,742,205; Jan. 7.
 Pumps, Pressure-trapping chamber for fuel. E. L. Pearson. 1,777,891; Oct. 7.
 Pumps, Primer for washer. R. E. Manley. 1,767,767; June 24.
 Pumps, Priming means for centrifugal. G. L. Ferguson. 1,768,243; June 24.
 Pumps, Priming means for centrifugal. O. Haentjens. 1,755,000; Apr. 15.
 Pumps, Pulsation eliminator for. V. L. Tannehill. 1,767,100; June 24.
 Pumps, Sealing device for centrifugal. I. C. Jennings. 1,783,427; Dec. 2.
 Pumps, Shaft-tubing sustaining device for deep-well. J. A. Wintroath. 1,784,406; Dec. 9.
 Pumps, Split guide blade for centrifugal. W. Hahn. 1,771,711; July 29.
 Punch. A. E. Guertin. 1,761,207; June 3.
 Punch. L. C. Reynolds. 1,761,682; June 3.
 Punch and die retainer. C. C. Richard. 1,785,495; Dec. 16.
 Punch and holder therefor, Quick-change. C. F. Sheridan. 1,783,028; Nov. 25.
 Punch, Bit. L. C. Bayles. 1,758,493; May 13.
 Punch, Center. H. C. Rehm. 1,777,653; Oct. 7.
 Punch, Draw. J. C. Nischan. 1,754,563; Apr. 15.
 Punch, Film. E. I. Sponable. 1,785,215; Dec. 16.
 Punch, Hand. J. R. Peirce. 1,745,910; Feb. 4.
 Punch, Hand. H. Räuber. 1,742,216; Jan. 7.
 Punch, Hole-opening. L. A. Maxson. 1,758,846; May 13.
 Punch, Paper. J. Tellier. 1,759,672; May 20.
 Punch press. D. C. Carroll. 1,768,357; June 24.
 Punch press. E. P. Pierce. 1,749,545; Mar. 4.
 Punch-press feed, Automatic. E. M. Pierce. 1,749,505; Mar. 4.
 Punch, Shank and bit. L. C. Bayles. 1,770,873; July 15.
 Punch, Shank and bit. J. Ditson. 1,748,639; Feb. 25.

- Punch-transfer slide for multiple-stroke headers. A. H. Gaess. 1,757,803; May 6.
- Punch, Type-matrix-forming. A. H. Hedly. 1,747,773; Feb. 18.
- Punching. C. A. Gill and F. J. Gey, jr. 1,756,119; Apr. 29.
- Punching and cutting machine. M. J. A. Davy and A. P. Komow. 1,761,906; June 3.
- Punching and eyeleting machine, Combination. S. H. Hart. 1,770,270; July 8.
- Punching and indexing apparatus for sheets, cards, and the like. W. H. Hildreth. 1,778,155; Oct. 14.
- Punching and riveting press. M. O. Kuhn. 1,769,697; July 1.
- Punching device. L. Rochat. 1,766,308; June 24.
- Punching device. J. T. Schaaff. 1,763,067; June 10.
- Punching device, Duplicating. F. L. Lee and B. H. Phillips. 1,772,186; Aug. 5.
- Punching machine. R. W. Beckert. 1,757,828; May 6.
- Punching machine. W. A. Valentine. 1,767,492; June 24.
- Punching machine, Multiple. F. W. C. Neuner. 1,769,303; July 1.
- Punching machines, Feeder for. G. O. Rockwood. 1,779,641; Oct. 28.
- Punching mechanism. W. H. Wineman. 1,760,333; May 27.
- Punching of jacquard cards for use in lace and other weaving. A. Frame. 1,777,967; Oct. 7.
- Punching press. R. W. Strout. 1,749,398; Mar. 4.
- Punctures in automobile tires, Device for locating. E. R. Dye. 1,779,907; Oct. 28.
- Purification of polluted liquids, Process and apparatus for. J. T. Travers. 1,747,803; Feb. 18.
- Purification system for boilers. J. Ostertag. Re17,658; May 6.
- Purifier for cisterns. L. M. Strain. 1,759,141; May 20.
- Purifier, Liquid-fuel. H. E. Pelletier. 1,744,837; Jan. 28.
- Purifying and distilling apparatus, Combined. K. E. Buettner. 1,744,747; Jan. 28.
- Purifying natural and artificial matter. C. R. B. Young. 1,786,383; Dec. 23.
- Purse. J. R. Fisler. 1,762,091; June 3.
- Purse, Key. W. Read. 1,745,333; Jan. 28.
- Push and pull bar. O. G. Seidensticker. Des. 80,744; Mar. 18.
- Push-and-pull jack. W. E. Turley. 1,746,504; Feb. 11.
- Push ball. H. C. Pearson. 1,779,187; Oct. 21.
- Push button. B. L. Bobroff. 1,761,867; June 3.
- Push-button unit, Multiple. A. E. Hetzner. 1,785,087; Dec. 16.
- Push pin. A. Pavelka. 1,777,731; Oct. 7.
- Push-rod lock. C. N. Fairchild. 1,766,493; June 24.
- Pusher for locomotive tenders, Coal. F. Hogg. 1,747,899; Feb. 18.
- Pusher head, Manipulator. P. McShane. 1,751,245; Mar. 18.
- Putlog. A. R. Kingston. 1,757,015; May 6.
- Putlog. T. H. Kingston. 1,772,812; Aug. 12.
- Putlog. T. H. Kingston. 1,784,601; Dec. 9.
- Putlog. T. H. Kingston. 1,787,006; Dec. 30.
- Putlog. F. L. Welt. 1,767,333; June 24.
- Putting game. G. N. Seeley. 1,774,187; Aug. 26.
- Putting green, Indoor. A. H. Gourlay and C. W. Skogh. 1,773,813; Aug. 26.
- Putting green, Indoor portable practice. H. R. Busse. 1,784,863; Dec. 16.
- Puzzle. W. B. Thayer. Des. 80,457; Feb. 4.
- Puzzle board, Crossword. H. A. Norrell. 1,769,961; July 8.
- Puzzle, Educational. J. E. Fransen. 1,752,248; Mar. 25.
- Puzzle numerals, Set of. O. Myer. Des. 82,225; Oct. 7.
- Pyranthrone derivatives, Manufacture of. A. Shepherdson and S. Thornley. 1,785,600-1; Dec. 16.
- Pyrolysis. N. E. Loomis, A. H. Tomlinson, and F. A. Howard. 1,785,274; Dec. 16.
- Pyrolytic conversion, Control of. F. A. Howard. 1,760,136; May 27.
- Pyrometer, Flow. A. Schack and M. Wenzl. 1,746,012; Feb. 4.
- Pyrometer, Optical. A. Bestelmeyer. 1,762,380; June 10.
- Pyrometer tube. F. C. Simms. 1,773,825-6; Aug. 26.
- Pyrometer well. F. M. Poole. 1,743,867; Jan. 14.
- Pyrophoric pocket igniter. K. F. Projahn. 1,761,048; June 3.
- Pyrorecording, Method and apparatus for. R. H. Ranger. 1,770,493; July 15.
- Pyrotechnic article. F. S. Hamilton. 1,749,814; Mar. 11.
- Pyrotechnic elements or firecrackers together, Fastening. T. G. Hitt. 1,755,003; Apr. 15.
- Pyroxylin solutions of low viscosity, Making. H. Hibbert and J. L. Parsons. 1,768,253; June 24.
- Quads of an interurban cable with the loading coils at the loading points, Connecting the. G. Viard. 1,748,260; Feb. 25.
- Quenching press. L. D. Slade. 1,772,576; Aug. 12.
- Quenching tank. H. W. Fletcher. 1,784,095; Dec. 9.
- Quern. S. Bjerre. 1,745,840; Feb. 4.
- Quick-break switch. E. M. Rothen. 1,753,317; Apr. 8.
- Quick-make and quick-break switch. C. W. Gorman. 1,763,962; June 17.
- Quill-cleaning machine. G. W. Utsman. 1,761,695; June 3.
- Quilling machine. G. Sipp. 1,744,060; Jan. 21.
- Quilt or the like. V. Hamill. Des. 80,526; Feb. 18.
- Quilt or the like. V. Hamill. Des. 80,528; Feb. 18.
- Quilting machine. J. R. Russell. 1,785,049; Dec. 16.
- Quinaldine, Making. L. P. Kyrides. 1,752,492; Apr. 1.
- Quinoline and making same, Derivatives of. R. Wolfenstein. 1,773,837; Aug. 26.
- Quinoline and quinaldine, Purifying. M. Wyler. 1,750,082; Mar. 11.
- Quinones, and preparing same, Carbazole. G. Kränzlein, H. Greune, K. Zahn, and P. Schmidt. 1,772,317; Aug. 5.
- Quoin, Printer's. A. M. Bowzer. 1,761,979; June 3.
- Rabbit carrier for dog-racing tracks, Overhead. W. C. Le Mire. 1,785,837; Dec. 23.
- Race track. H. J. Spencer. 1,774,676; Sept. 2.
- Racing apparatus, Animal. J. F. White. 1,773,765; Aug. 26.
- Racing apparatus, Dog. L. E. Mitchell, J. L. Connors, and S. M. Pineles. 1,756,065; Apr. 29.
- Racing apparatus, Dog. J. F. White. 1,773,766; Aug. 26.
- Racing lure, Animal. J. F. White. 1,756,015; Apr. 29.
- Rack: See—
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| Axe rack. | Necktie rack. |
| Broiler rack. | Paper-feeding rack. |
| Bumper rack. | Power-take-off rack. |
| Burning rack. | Rod rack. |
| Cable rack. | Scoop rack. |
| Clothes-drying rack. | Secondary rack. |
| Clothes rack. | Sheet-metal rack. |
| Conveyer rack. | Shelf rack. |
| Corn rack. | Shoe rack. |
| Crepe-steaming rack. | Sink rack. |
| Developing rack. | Spice-container rack. |
| Display rack. | Spice rack. |
| Egg rack. | Spool rack. |
| Garment rack. | Stove rack. |
| Glove-drying rack. | Test-tube rack. |
| Gun rack. | Tie rack. |
| Hinged rack. | Tool rack. |
| Hose rack. | Towel rack. |
| Insulator rack. | Trunk and luggage rack. |
| Knife rack. | Unit plate rack. |
| Music rack. | |
- Rack. W. G. Brown. 1,781,976; Nov. 18.
- Rack. J. W. Cosgrove. 1,776,417; Sept. 23.
- Rack. J. C. Drader. 1,753,778; Apr. 8.
- Rack. B. H. Newcomer. 1,751,878; Mar. 25.
- Rack. E. Schreiber. 1,755,029; Apr. 15.
- Rack. W. N. Vance. 1,742,976; Jan. 7.
- Rack and bin, Display. E. Y. Crossmore, A. C. Chappory, jr., and J. B. Posey. 1,763,419-20; June 10.
- Rack and bumper for automobiles, Combined. L. E. Butzman. 1,747,422; Feb. 18.
- Rack and measurer, Oilcloth. G. A. Koester. 1,743,923; Jan. 14.
- Rack and stand, Display. R. S. Hintze. 1,767,980; June 24.
- Rack and table for automobiles, Folding. E. Strom and R. L. Rockwell. 1,779,342; Oct. 21.
- Rack attachment for pocket-billiard tables. T. E. Dunn. 1,777,720; Oct. 7.
- Rack centrifuge, Galvanizing. C. A. Giblin. 1,779,934; Oct. 28.
- Rack for automobiles. P. Arnott. 1,764,771; June 17.
- Rack for clay products. H. D. McKenzie. 1,771,414; July 29.
- Rack for displaying paints. W. H. Kleinpell. 1,770,755; July 15.
- Rack for fingers of dobby looms. W. E. Lundgren. 1,760,909; June 3.
- Rack for fire hose, Drying. F. Fishbourne. 1,747,109; Feb. 11.
- Rack for Ford automobiles. M. L. Cleland. 1,779,662; Oct. 28.
- Rack for garments and the like. S. Solomon and L. Levine. 1,753,725; Apr. 8.
- Rack for matrix magazines. G. L. Curle. 1,759,688; May 20.
- Rack for newspapers, magazines, etc., Silent-salesman. A. J. Bargani. 1,743,306; Jan. 14.
- Rack for piece goods. W. W. Phillips. 1,747,026; Feb. 11.
- Rack for rolled materials. M. T. Heavey. 1,780,647; Nov. 4.
- Rack for supporting articles to be electro-plated. L. Lichtman. 1,750,808; Mar. 18.
- Rack for truck or wagons. C. W. Crannell. 1,758,431; May 13.
- Rack for warp beams and the like. H. Bammann. 1,745,334; Jan. 28.
- Rack or cabinet, Wall. O. S. Case. 1,777,911; Oct. 7.
- Rack or hanger for articles to be plated. L. Lichtman. 1,749,953; Mar. 11.
- Rack or similar article, Bottle. C. L. Marcus. Des. 82,896; Dec. 23.
- Rack or support, Book. H. J. Dumben. 1,780,872; Nov. 4.
- Rack or support, Luggage. M. L. Cleland. 1,779,661; Oct. 28.
- Rack or tray, Correspondence. R. H. Soper. 1,762,596; June 10.
- Rack or tray, Display. J. Tacoma and C. de Vleeschouwer. 1,754,970; Apr. 15.
- Rack with shallow sliding trays. W. N. Vance. 1,765,954; June 24.
- Racks, Making secondary. C. L. Peirce, jr. 1,779,489; Oct. 28.

- Racket for tennis and like games, All-metal. H. W. Norton. 1,750,727; Mar. 18.
- Rackets, Manufacture of tennis and other. A. Pritchard and C. Monks. 1,779,289; Oct. 21.
- Racking frame, Pool-ball. J. C. F. Horstmann. 1,743,891; Jan. 14.
- Racking machine. R. P. M. Davis. 1,779,210; Oct. 21.
- Radial drill. W. C. De Roo. 1,761,107; June 3.
- Radiant energy, Amplification of. J. J. Daley. 1,764,934; June 17.
- Radiant-energy-generating unit. R. H. Maxson. 1,786,439; Dec. 30.
- Radiant energy, Intercepting. G. M. Ferguson and P. E. Harth. 1,775,276; Sept. 9.
- Radiant-energy oscillations, System for amplifying. O. E. Marvel. 1,761,530; June 3.
- Radiant heater. E. F. Fisher. 1,754,232; Apr. 15.
- Radiant heater. H. V. Lancaster. Des. 81,702-9; July 29.
- Radiant heater, Liquid-fuel. F. V. Risinger. 1,760,319; May 27.
- Radiating device for the cooling of spark plugs, Removable. J. Franquet and N. Dziacos. 1,782,260; Nov. 18.
- Radiating element, Attachable. J. Gabor. 1,785,621; Dec. 16.
- Radiation apparatus. O. Gerhardt. 1,753,885; Apr. 8.
- Radiation, Apparatus for the prevention of high-frequency. J. J. Jakosky. 1,754,627; Apr. 15.
- Radiation meter. T. E. Foulke. 1,778,000; Oct. 7.
- Radiations, Process and apparatus for obtaining new. V. A. Hénocque and H. Schmidt. 1,754,950; Apr. 15.
- Radiations such as ultra-violet, Method and apparatus for measuring. T. E. Foulke. 1,777,999; Oct. 7.
- Radiator. E. L. Anderson. 1,752,879; Apr. 1.
- Radiator. W. A. Beimpling. 1,782,394; Nov. 25.
- Radiator. B. Blackmore. 1,758,684; May 13.
- Radiator. B. Blackmore. 1,766,701; June 24.
- Radiator. M. J. Callahan. 1,747,159; Feb. 18.
- Radiator. W. G. Collins. 1,752,235; Mar. 25.
- Radiator. L. Courtot. 1,752,785; Apr. 1.
- Radiator. L. Courtot. 1,770,070; July 8.
- Radiator. H. B. De Long. 1,754,850; Apr. 15.
- Radiator. W. A. Finley. 1,766,250; June 24.
- Radiator. J. C. Haggart, jr. 1,769,640; July 1.
- Radiator. R. L. Hawkins. 1,781,511; Nov. 11.
- Radiator. H. A. Higgins. 1,747,115; Feb. 11.
- Radiator. H. A. Higgins. 1,781,781; Nov. 18.
- Radiator. J. R. Hughes. Des. 80,728; Mar. 18.
- Radiator. J. R. Hughes. Des. 81,648; July 22.
- Radiator. J. Karmazin. 1,761,395; June 3.
- Radiator. J. Karmazin. 1,775,041; Sept. 2.
- Radiator. J. Karmazin. 1,786,952; Dec. 30.
- Radiator. W. E. Kuenstler. 1,759,120; May 20.
- Radiator. A. B. Modine. 1,759,167; May 20.
- Radiator. W. W. Muir. 1,775,943; Sept. 16.
- Radiator. T. E. Murray. 1,744,078; Jan. 21.
- Radiator. T. E. Murray. 1,776,080; Sept. 16.
- Radiator. P. W. Murray. 1,878,118; Dec. 30.
- Radiator. C. Oppe. 1,777,675; Oct. 7.
- Radiator. E. O. Schjolin. 1,783,928; Dec. 2.
- Radiator. W. Shurtleff. 1,775,257; Sept. 9.
- Radiator. J. F. Skold. Des. 81,895; Aug. 26.
- Radiator. A. L. Swank. 1,744,932; Jan. 28.
- Radiator. R. N. Trane. 1,764,187; June 17.
- Radiator. R. N. Trane. 1,775,706; Sept. 16.
- Radiator. L. H. Veronneau. 1,753,540; Apr. 8.
- Radiator. F. M. Young. 1,758,638; May 13.
- Radiator and similar articles, Manufacturing. J. O. Olson. 1,742,556; Jan. 7.
- Radiator and the like. E. S. Lea. 1,760,505; May 27.
- Radiator attachment. A. Barnes. 1,745,828; Feb. 4.
- Radiator box base. C. C. Shipp. 1,775,410; Sept. 9.
- Radiator-box base end closure. C. C. Shipp. 1,773,469; Aug. 19.
- Radiator bracket. S. C. Appel. 1,755,093; Apr. 15.
- Radiator bracket, Universal. S. C. Appel. 1,780,162; Nov. 4.
- Radiator cap. P. J. Drum. 1,773,350; Aug. 19.
- Radiator cap. H. F. Fisher. 1,742,700; Jan. 7.
- Radiator cap. F. G. and W. M. Folberth. 1,753,003; Apr. 1.
- Radiator cap. K. Forbes. Des. 82,809; Dec. 16.
- Radiator cap. G. H. Niederst. Des. 81,805; Aug. 12.
- Radiator cap. W. E. Otwell. 1,760,715; May 27.
- Radiator cap, Automobile. G. R. Smith. Des. 80,334; Jan. 14.
- Radiator cap and movable headlight. S. Centofanti and A. Marchetti. 1,784,043; Dec. 9.
- Radiator cap, Automobile. G. W. Heintz. Des. 81,747; Aug. 5.
- Radiator-cap construction. R. Miller. 1,781,878; Nov. 18.
- Radiator cap, Motor-vehicle. A. L. Knapp. Des. 81,698; July 29.
- Radiator cap, Motor-vehicle. A. L. Knapp. Des. 81,700; July 29.
- Radiator cap, Motor-vehicle. A. Moorhouse. Des. 81,713; July 29.
- Radiator cap, Ornamental. R. Maranzino. 1,749,221; Mar. 4.
- Radiator cap or similar article for an automotive vehicle. W. Schnell. Des. 81,303; June 3.
- Radiator cap or similar article for an automotive vehicle. W. Schnell. 82,588; Nov. 18.
- Radiator condenser, Vehicle. C. E. Krueger. 1,773,685; Aug. 19.
- Radiator, Condensing. J. F. Leanhart. 1,768,084; June 24.
- Radiator construction. A. B. Modine. 1,743,861; Jan. 14.
- Radiator cores and the like, Automatic mechanism for forming. V. Habif. 1,752,077; Mar. 25.
- Radiator, Deformed tube. C. Sonneborn. 1,780,319; Nov. 4.
- Radiator, Electric. W. H. Robinson. 1,763,328; June 10.
- Radiator, Electrically-heated. J. F. Skold. 1,750,907; Mar. 18.
- Radiator elements, Forming. J. Karmazin. 1,753,295; Apr. 8.
- Radiator, Engine-cooling. C. Oppe. 1,784,878; Dec. 16.
- Radiator filler cap. J. F. Wilson. 1,757,404; May 6.
- Radiator for internal-combustion engines. F. Gargiulo. Rel. 5,79; Feb. 4.
- Radiator for motor vehicles. F. C. Ruppel. 1,763,184; June 10.
- Radiator, Gas-fired. G. C. Carnahan. 1,765,759; June 24.
- Radiator gauge. J. J. Wilt. 1,751,847; Mar. 25.
- Radiator hanger, Reversible. F. W. Fuller. 1,752,296; Apr. 1.
- Radiator hearth for boilers and similar apparatus. E. Sinno, J. A. Llauro, A. Llauro, and E. Llauro. 1,763,187; June 10.
- Radiator, Heat. A. Lindström and C. D. Segerström. 1,757,534; May 6.
- Radiator, Heating. J. G. Engelhart. 1,751,033; Mar. 18.
- Radiator heating connection for boilers. S. Baldygar. 1,762,808; June 10.
- Radiator-making machine. D. I. Rogers. 1,742,321; Jan. 7.
- Radiator meter. P. P. Carbt. 1,755,174; Apr. 22.
- Radiator mounting. S. A. Stranahan. 1,784,766; Dec. 9.
- Radiator screen. P. J. Holzhauser. 1,768,479; June 24.
- Radiator screen, Automobile. M. M. Fischer. Des. 82,491; Nov. 11.
- Radiator section. C. W. Brabbée. Des. 81,956; Sept. 9.
- Radiator section. H. V. Kohler, F. G. Brotz, and H. J. Thorkelson. Des. 81,986; Sept. 9.
- Radiator shell. G. Buzzone. Des. 81,958; Sept. 9.
- Radiator shell. H. V. Henderson. Des. 82,152-3; Sept. 30.
- Radiator shell. C. W. Van Ranst. Des. 82,462; Nov. 4.
- Radiator shield. B. Altheimer. 1,787,184; Dec. 30.
- Radiator shield. H. G. Evitt. 1,771,884; July 29.
- Radiator shield. H. W. Smith. 1,755,370; Apr. 22.
- Radiator shield. B. H. Ward. 1,779,759; Oct. 28.
- Radiator shutter, Automatic. S. Vernet. 1,764,371; June 17.
- Radiator-shutter-control structure. B. R. Bennett. 1,750,618; Mar. 18.
- Radiator shutter, Pressure-controlled. P. S. Tice. 1,759,527; May 20.
- Radiator, Sound. C. E. Lane. 1,773,910; Aug. 26.
- Radiator system for airships. L. Breguet. 1,779,898; Oct. 28.
- Radiator tank. W. G. Campbell. 1,782,058; Nov. 18.
- Radiator-testing device. G. C. Peck. 1,778,563; Oct. 14.
- Radiator thermostat mounting. C. C. Shipp. 1,748,088; Feb. 25.
- Radiator trap. A. R. Schoultz. 1,782,319; Nov. 18.
- Radiator tube. C. B. Higgins. 1,742,392; Jan. 7.
- Radiator tube, Detachable. A. E. Hughes. 1,748,129; Feb. 25.
- Radiator unit. E. C. D'Yarmett. 1,777,555; Oct. 7.
- Radiator unit. J. E. Gortner. 1,744,074; Jan. 21.
- Radiators, Apparatus for forming. J. Karmazin. 1,749,383; Mar. 4.
- Radiators, Attachment for automobile. F. Power. 1,781,525; Nov. 11.
- Radiators, Cap for automobile. M. E. Towler. 1,774,070; Aug. 26.
- Radiators, Dust-eliminating air duct for. J. S. Jacobsen. 1,751,739; Mar. 25.
- Radiators, Leak-tester cap for automobile. M. Anchelevich. 1,782,496; Nov. 25.
- Radiators, Manufacturing acoustic. V. A. Schlenker. 1,747,847; Feb. 18.
- Radiators, Toggle-bolt fastener for. J. A. and J. H. Healy. 1,746,254; Feb. 11.
- Radio. J. J. Hazard. 1,785,627; Dec. 16.
- Radio adjusting mechanism. R. A. Mull. 1,744,330; Jan. 21.
- Radio aerial. E. Neinfeldt. 1,753,213; Apr. 8.
- Radio aerial bracket. F. P. Foulke. 1,764,071; June 17.
- Radio amplification. L. C. F. Horle. 1,773,185; Aug. 19.
- Radio amplifying system. G. W. Pickard. 1,770,143; July 8.
- Radio and phonograph cabinet or similar article, Combined. E. M. Richards. Des. 81,808; Aug. 12.
- Radio and phonographic radio reproducing system, Combined. P. Haas. 1,766,381; June 24.
- Radio antenna. I. Hershey. 1,744,548; Jan. 21.
- Radio antenna. M. H. Loughridge and J. S. Holliday. 1,779,437; Oct. 28.
- Radioantenna. L. F. and O. G. Noirot, and G. C. Rupert. 1,752,925; Apr. 1.
- Radio apparatus. D. F. Asbury. 1,759,678; May 20.
- Radio apparatus. D. F. Asbury. 1,765,190-1; June 17.
- Radio apparatus. R. C. Da Costa. 1,751,854; Mar. 25.
- Radio apparatus. E. A. Davis. 1,743,657; Jan. 14.
- Radio apparatus. C. R. Garrett. 1,770,771; July 15.
- Radio apparatus. A. Gollos. 1,751,081; Mar. 18.
- Radio apparatus. E. E. Hobbs. 1,756,745; Apr. 29.

- Radio apparatus. R. A. Klock. 1,758,003; May 13.
 Radio apparatus. O. E. Marvel. 1,761,019; June 3.
 Radio apparatus. I. Nachumsohn. 1,769,851; July 1.
 Radio apparatus. R. E. Patrie. 1,752,196; Mar. 25.
 Radio apparatus. A. F. Sanford. 1,755,028; Apr. 15.
 Radio apparatus. T. J. Scofield. 1,774,243; Aug. 26.
 Radio apparatus. T. A. Willard. 1,777,538; Oct. 7.
 Radio apparatus, Aerial for. J. H. Matheson. 1,755,012; Apr. 15.
 Radio apparatus and method. F. A. Kolster. 1,766,041; June 24.
 Radio apparatus, Crystal. H. Adams and O. B. Taylor. 1,748,435; Feb. 25.
 Radio apparatus, Device for controlling. J. Nisenson. 1,760,080; May 27.
 Radio apparatus, Energizing. A. Senauke. 1,748,499; Feb. 25.
 Radio apparatus, Portable. W. M. Heina. 1,785,552; Dec. 16.
 Radio audio control, Telephone-operated. J. G. Lewis. 1,775,567; Sept. 9.
 Radio broadcast distributing system. E. E. Clement. 1,755,980; Apr. 22.
 Radio broadcast distribution, Regional system of. E. E. Clement. 1,754,876; Apr. 15.
 Radio cabinet. E. F. Andrews. Des. 82,363; Oct. 28.
 Radiocabinet. H. Berg. Des. 80,509; Feb. 18.
 Radiocabinet. H. Berg. Des. 82,783; Dec. 16.
 Radiocabinet. F. C. Burton. Des. 80,931; Apr. 8.
 Radiocabinet. E. L. Combs. Des. 81,426; June 17.
 Radiocabinet. F. W. Falck. Des. 82,879; Dec. 23.
 Radiocabinet. L. Francis. Des. 80,940; Apr. 15.
 Radiocabinet. W. P. Gray. Des. 82,321-3; Oct. 21.
 Radiocabinet. J. E. Griffin. Des. 81,385; June 17.
 Radiocabinet. L. F. Kirsch. Des. 81,841; June 10.
 Radiocabinet. L. Luxa and A. A. Pimper. Des. 80,961; Apr. 15.
 Radiocabinet. A. C. Mowitz. Des. 80,578; Feb. 25.
 Radiocabinet. M. Pasternak. Des. 82,583; Nov. 18.
 Radiocabinet. M. Pasternak. Des. 82,692; Dec. 2.
 Radiocabinet. K. E. Rollefson. Des. 81,757; Aug. 5.
 Radiocabinet. F. W. Stein. Des. 82,711; Dec. 2.
 Radiocabinet. C. D. Tuska. 1,746,750; Feb. 11.
 Radiocabinet. H. B. Warner. Des. 82,464; Nov. 4.
 Radiocabinet. E. W. Zwiebel. Des. 82,772-4; Dec. 9.
 Radiocabinet or analogous article. L. O. Painter and J. L. Wallin. Des. 80,581; Feb. 25.
 Radiocabinet or similar article. N. S. Dunbar. Des. 80,676; Mar. 11.
 Radiocabinet or similar article. H. C. Edwards. Des. 82,662; Dec. 2.
 Radio cabinet or similar article. H. L. Finnegan and P. O. Lanham. Des. 82,667; Dec. 2.
 Radiocabinet or similar article. W. Lowy and J. Gitlitz. Des. 81,658; July 22.
 Radiocabinet or similar article. E. Worthington. Des. 81,360-3; June 10.
 Radiocabinet or similar article. E. Worthington. Des. 80,556; Feb. 18.
 Radiocabinet or similar article. E. Worthington. Des. 80,655; Mar. 4.
 Radiocabinet or similar article. E. Worthington. Des. 80,978; Apr. 15.
 Radiocabinet or similar articles. J. R. Schwinzer. Des. 81,762; Aug. 5.
 Radiocabinet or the like. N. S. Dunbar. Des. 80,882; Apr. 8.
 Radio cabinet panel. A. J. Truelson. Des. 80,403; Jan. 21.
 Radiocabinet, Separable. G. R. Meyercord and E. Worthington. 1,742,922; Jan. 7.
 Radiocabinets and loud-speakers, Grille front for. C. T. Majer. Des. 80,629; Mar. 4.
 Radio calendar. J. P. Kennedy. 1,760,069; May 27.
 Radio capacitance and inductance regulator. J. L. Price. 1,766,002; June 24.
 Radio circuits. G. S. Cornish. 1,759,937; May 27.
 Radio circuits, Nonregenerative. O. Knight. 1,782,993; Nov. 25.
 Radio circuit-testing unit. T. A. D. Wilson and E. Reynolds. 1,786,555; Dec. 30.
 Radio communication system, Multichannel. E. M. Deloraine and E. K. Sandeman. 1,742,9002; Jan. 7.
 Radiocommunication, System of. H. C. Forbes. 1,772,077; Aug. 5.
 Radiocompass. F. A. Kolster. 1,759,119; May 20.
 Radio compass compensator. W. M. Brower. 1,767,117; June 24.
 Radio compass indicator. F. A. Kolster. 1,767,140; June 24.
 Radio compass system. F. A. Kolster. 1,767,141; June 24.
 Radio control device. J. Berglin. 1,771,284; July 22.
 Radio control device. W. P. Lear. Des. 82,164-5; Sept. 30.
 Radio current supply device. W. H. Grimditch. 1,771,330; July 22.
 Radio desk set. E. E. Clement. 1,754,880; Apr. 15.
 Radiodetector. C. K. Strobel. 1,781,088; Nov. 11.
 Radiodial. B. W. Lee. 1,769,439; July 1.
 Radio dial and log. C. L. Watson. 1,764,814; June 17.
 Radio dial control. H. A. Ziola. 1,787,298; Dec. 30.
 Radio dialing device. J. A. Flanzer. 1,782,778; Nov. 25.
 Radio distribution, Trunking system of. E. E. Clement. 1,754,879; Apr. 15.
 Radio frequency amplification. B. Bradbury and H. E. Roys. 1,771,914; July 29.
 Radiofrequency amplification system. H. F. Harmon. 1,747,297; Feb. 18.
 Radio frequency amplification system. T. F. Vollten. 1,748,432; Feb. 25.
 Radio frequency amplifiers, Stabilization of tuned. E. F. W. Alexanderson. 1,775,544; Sept. 9.
 Radiofrequency amplifying system. S. Cohen. 1,742,694; Jan. 7.
 Radio frequency amplifying system. L. L. Jones. Re17,915; Dec. 30.
 Radio frequency circuits. E. A. Kuen. 1,764,454; June 17.
 Radio frequency modulator tube, Intermediate frequency modulation inside a. O. Schriever. 1,786,579; Dec. 30.
 Radio frequency transformer. F. L. Capps. 1,781,776; Nov. 18.
 Radio frequency transformer. F. E. Knapp. 1,759,987; May 27.
 Radiofrequency transformer, Tunable. G. Browning and F. H. Drake. 1,770,456; July 15.
 Radiographic apparatus. I. L. Clark. 1,745,528; Feb. 4.
 Radiographic unit. E. R. Goldfield. 1,775,853; Sept. 16.
 Radiointerference from electric motors, Preventing. A. J. Haswell. 1,771,438; July 29.
 Radio leg rest. M. A. Rush. Des. 82,642; Nov. 25.
 Radio light transforming system. H. J. Murray. 1,748,725; Feb. 25.
 Radio log. A. R. Gwynn. 1,782,065; Nov. 18.
 Radio loop aerial. J. A. Proctor. 1,779,145; Oct. 21.
 Radio loud-speaker. F. Baehn. 1,782,801; Nov. 25.
 Radio loud-speaker. J. B. Deane. 1,743,194; Jan. 14.
 Radio loud-speaker. B. G. Groom. 1,787,268; Dec. 30.
 Radio loud-speaker. C. McConnell. 1,771,266; July 22.
 Radio loud-speaker. F. R. Shaw. 1,760,377; May 27.
 Radio loud-speaking apparatus. A. A. Kent. 1,743,145; Jan. 14.
 Radiopanel. H. F. Elliott. Des. 80,886; Apr. 8.
 Radio phone system. E. E. Clement. Re17,847; Oct. 28.
 Radio power supply device. P. E. Edelman. 1,753,920-1; Apr. 8.
 Radiophone desk set. E. E. Clement. 1,754,875; Apr. 15.
 Radio pick-up system. H. F. Elliott. 1,768,196; June 24.
 Radio picture-transmission systems, Fading elimination in. F. Schröter. 1,757,480; May 6.
 Radio program detector. K. G. Karsten. 1,752,302; Apr. 1.
 Radio program reminder. W. F. Youngblodt. 1,759,080; May 20.
 Radioreceiver. N. Bishop. 1,768,286; June 24.
 Radioreceiver. A. S. Clarke. 1,769,256; July 1.
 Radioreceiver. O. C. Dennis. 1,767,518; June 24.
 Radioreceiver. W. H. Kitto. 1,749,102; Mar. 4.
 Radioreceiver. R. S. Ohl. 1,772,517; Aug. 12.
 Radioreceiver. H. J. Round and N. M. Rust. 1,746,796; Feb. 11.
 Radioreceiver. B. Washington. 1,746,688; Feb. 11.
 Radio receiver and amplifier, Dynamic. G. Wald. 1,747,137; Feb. 11.
 Radioreceiver, Coin-controlled. R. Sause. 1,745,506; Feb. 4.
 Radio receiver control. W. E. Holland and D. P. Earnshaw. 1,754,105; Apr. 8.
 Radio receiver control. J. Weinberger. Des. 80,650-1; Mar. 4.
 Radioreceiver, Multiplex. L. Shapiro. 1,746,446; Feb. 11.
 Radioreceiver, Short-wave. R. S. Ohl. 1,745,376; Feb. 4.
 Radioreceivers, Electrical phonograph attachment for wired. C. W. Hough. 1,745,621; Feb. 4.
 Radio receivers, Indicating device for. C. L. Hopkins. 1,754,792; Apr. 15.
 Radioreceivers, Power source for. H. P. Donle. 1,745,608; Feb. 4.
 Radio receivers, Preventing radiation and extra reradiation in. S. Ballantine. 1,760,871; June 3.
 Radio receiving apparatus. F. C. Barton. 1,783,899; Dec. 2.
 Radio receiving apparatus. L. L. Jones. 1,770,525; July 15.
 Radio receiving apparatus. A. A. Kent. 1,783,292; Dec. 2.
 Radio receiving apparatus. E. G. Lodge. 1,760,506; May 27.
 Radio receiving apparatus. B. B. Minnium. 1,744,326; Jan. 21.
 Radio receiving apparatus. B. B. Minnium. 1,751,706; Mar. 25.
 Radio receiving apparatus. B. B. Minnium. 1,762,186; June 10.
 Radio receiving apparatus. R. A. Ridenour. 1,745,715; Feb. 4.
 Radio reception apparatus. M. J. Rittenhouse and O. V. Maurer. 1,781,861; Nov. 18.
 Radio receiving apparatus. L. Q. Slocumb. 1,781,414; Nov. 11.
 Radio receiving apparatus. S. Weisberg. 1,749,364; Mar. 4.
 Radio receiving apparatus, Interference-reducing means for. R. H. Ranger. 1,761,049; June 3.
 Radio receiving apparatus, Lead-in for. J. A. Rostron. 1,743,486; Jan. 14.
 Radio receiving circuit. M. von Ardenne. 1,744,936; Jan. 28.
 Radio receiving device. W. F. Luhnnow. 1,765,731; June 24.

- Radio receiving set. G. H. Fisher. 1,759,610; May 20.
 Radio receiving system. S. E. Anderson. 1,762,945; June 10.
 Radio receiving system. M. C. Batsel. Re17,909; Dec. 23.
 Radio receiving system. R. Bown. 1,763,751; June 17.
 Radio receiving system. L. Cohen. 1,753,308; Apr. 8.
 Radio receiving system. H. T. Friis. 1,762,974; June 10.
 Radio receiving system. T. Gongora, Jr. 1,751,235; Mar. 18.
 Radio receiving system. J. S. Korany. 1,744,477; Jan. 21.
 Radio receiving system. V. D. Landon. 1,764,323; June 17.
 Radio receiving system. R. H. Ranger. 1,748,730; Feb. 25.
 Radio receiving system. A. F. Van Dyck. 1,784,210; Dec. 9.
 Radio receiving system. G. von Arco. 1,784,506; Dec. 9.
 Radio receiving system, Balanced. G. H. Stevenson. 1,746,803; Feb. 11.
 Radio receiving system, Superheterodyne. G. L. Beers. 1,746,576; Feb. 11.
 Radio receiving systems, Annulling the effect of stray fields on. W. A. Loth. 1,753,610; Apr. 8.
 Radioreception. B. Washington and W. Aull, jr. 1,746,689; Feb. 11.
 Radio reception device. C. Horton. 1,748,482; Feb. 25.
 Radio sets, Phonograph adjunct for. J. Weinberger. 1,754,293; Apr. 15.
 Radiosignaling. A. W. Slaght. 1,782,831; Nov. 25.
 Radio signaling apparatus. W. L. Carlson. 1,770,838; July 15.
 Radio signaling apparatus, Frequency trap for. R. H. Ranger. 1,757,333; May 6.
 Radiosignaling, Method of and system for. E. L. Chaffee. 1,776,065; Sept. 16.
 Radiosignaling system. E. F. W. Alexanderson. 1,775,801; Sept. 16.
 Radio signaling system. A. G. Chapman. 1,759,000; May 20.
 Radio signaling system. L. Espenschied. 1,746,305; Feb. 11.
 Radio signaling system. A. N. Goldsmith. 1,761,118; June 3.
 Radio signaling system. C. L. Goodrum. 1,746,829; Feb. 11.
 Radio signaling system. S. Loewe. 1,742,773; Jan. 7.
 Radiosignaling system. S. P. Nixdorff. 1,775,826; Sept. 16.
 Radio signaling system, Short-wave. R. S. Ohl. 1,753,715; Apr. 8.
 Radiosocket. J. B. Kirby. 1,767,139; June 24.
 Radiospeaker. R. T. Kingsford. 1,771,881; July 22.
 Radio station indicator. A. Lesti. 1,774,146; Aug. 26.
 Radio system. C. A. Boddie. 1,743,106; Jan. 14.
 Radio system. L. W. Chubb. 1,781,268; Nov. 11.
 Radio system. M. Osnos. 1,748,726; Feb. 25.
 Radio system. G. von Arco. 1,775,181; Sept. 9.
 Radio system, Directional. F. A. Kolster. 1,749,348; Mar. 4.
 Radio systems, Lead for. H. J. Wrape. 1,744,091-2; Jan. 21.
 Radiotable. J. Tillotson, jr. Des. 80,588; Feb. 25.
 Radio telegraph and telephone transmitting system. F. G. Simpson. 1,775,327; Sept. 9.
 Radio telegraphic or radio telephonic communication. E. Brard. 1,744,036; Jan. 21.
 Radiotelegraphy. E. F. W. Alexanderson. 1,768,433; June 24.
 Radio telephone system. E. E. Clement. 1,754,877; Apr. 15.
 Radio telephone system, Transoceanic. H. S. Hamilton. 1,760,984; June 3.
 Radiotelephonograph. J. B. Browning. 1,743,706-7; Jan. 14.
 Radio transmission system. A. H. Taylor. 1,766,047; June 24.
 Radio transmitter. P. D. Zurlan. 1,760,225; May 27.
 Radio transmitting apparatus. W. M. Brower. 1,780,167; Nov. 4.
 Radio transmitting apparatus. J. F. Farrington. 1,751,271; Mar. 18.
 Radio transmitting system. P. D. Andrews. 1,758,816; May 13.
 Radio transmitting system. F. A. Kolster. 1,767,245; June 24.
 Radio transmitting system. G. von Arco. 1,744,711; Jan. 21.
 Radio trunk system. E. E. Clement. 1,754,881; Apr. 15.
 Radiotube. C. F. W. Bates. 1,753,260; Apr. 8.
 Radiotube. H. C. Colburn. 1,752,520; Apr. 1.
 Radiotube. W. B. Driver. 1,786,154; Dec. 23.
 Radio tube. H. M. Strobel. 1,757,345; May 6.
 Radio tube-testing instrument. J. R. Miller. 1,748,847; Feb. 25.
 Radio tuning apparatus, Automatic selective attachment for. M. Sokoloff. 1,772,786; Aug. 12.
 Radio tuning device. O. E. Marvel. 1,768,703; July 1.
 Radio tuning means. B. B. Minnium. 1,760,162; May 27.
 Radio tuning mechanism. C. Scheibel. 1,782,368; Nov. 18.
 Radio vision analysis. C. F. Jenkins. 1,747,173; Feb. 18.
 Radium emanation, Applying. G. Failla. 1,753,287; Apr. 8.
 Radius of motor busses, Device for use in determining turning. J. Richardson. 1,763,441; June 10.
 Radius rod and torque arm, Combination. C. J. Rhodin. 1,759,370; May 20.
 Radius rod, Flexible. P. E. Matthews. 1,779,632; Oct. 28.
 Radius rod, Self-adjusting. P. E. Matthews. 1,774,990-1; Sept. 2.
 Raft or boat. H. Meyer. 1,749,711; Mar. 4.
 Rafter-framing machine, Universal. J. Nickels. 1,785,044; Dec. 16.
 Rag catcher, Self-dumping. H. E. Marvel. 1,760,509; May 27.
 Rag-catching apparatus for beater tubs. H. E. Marvel. 1,760,511; May 27.
 Rail. G. R. Douglas. 1,782,031; Nov. 18.
 Rail. G. F. Kotrbaty. 1,782,902; Nov. 25.
 Rail. M. Schneider. 1,750,365; Mar. 11.
 Rail-adjusting mechanism. J. Jenne. 1,758,321; May 13.
 Rail-anchoring means or spike locks. W. R. Gorrell and H. Barkschat. 1,774,968; Sept. 2.
 Rail and cooperating tie plate for railways, Anticreeping. A. M. Peterson. 1,784,846; Dec. 16.
 Rail anticreeper. A. J. Cook. 1,746,820; Feb. 11.
 Rail anticreeper. G. L. Moore and J. R. Steele. 1,777,990; Oct. 7.
 Rail-block clamp. R. G. Blake. 1,743,419; Jan. 14.
 Rail bond. W. P. Bovard. 1,755,466; Apr. 22.
 Rail bond. R. Goodyear. 1,755,439; Apr. 22.
 Rail bond. E. J. Shuler. 1,770,629; July 15.
 Rail bond. R. S. Wallace. 1,750,553; Mar. 11.
 Rail bond and method of applying. J. B. Austin. 1,763,032; June 10.
 Rail-bonding means. R. Bömig. 1,755,765; Apr. 22.
 Rail brace, Guard-. A. H. Weston. 1,756,842; Apr. 29.
 Rail bracket, Guard-. F. D. Page and C. P. Slane. 1,777,177; Sept. 30.
 Rail, Car-retarding. C. E. Fehring and V. M. Lane. 1,752,162; Mar. 25.
 Rail chair. J. D. Gatch. 1,758,282; May 13.
 Rail chair. J. P. Griffiths and W. Street-Wilson. 1,765,265; June 17.
 Rail chair. J. M. Powers. 1,754,725; Apr. 15.
 Rail clamp. W. B. Thompson. 1,772,527; Aug. 12.
 Rail clamp, Tie. G. M. Fiero. 1,765,263; June 17.
 Rail cleaner and guard for railroad spreaders. V. G. Tellis. 1,754,778; Apr. 15.
 Rail clip, Extension-. J. J. Ross. 1,759,136; May 20.
 Rail connector, Bed-. A. Weston. 1,745,653; Feb. 4.
 Rail connection. M. Roth. 1,772,159; Aug. 5.
 Rail construction, Ramp-. C. D. Young. 1,785,169; Dec. 16.
 Rail coupling. J. W. Palmer. 1,755,224; Apr. 22.
 Rail crossing. W. H. Whalen. 1,775,661; Sept. 16.
 Rail-crossing structure. J. H. Asselin. 1,773,251; Aug. 19.
 Rail-cutting appliance. R. M. Rooke, jr. 1,764,471; June 17.
 Rail, Detachable extension guard. A. A. Langlois. 1,757,912; May 6.
 Rail extension. A. C. Jack. 1,770,647; July 15.
 Rail filler. A. C. Fischer. 1,753,563; Apr. 8.
 Rail filler, Preformed. A. C. Fischer. 1,755,108; Apr. 15.
 Rail fitting. W. Shanks and W. B. Cater. 1,782,017; Nov. 18.
 Rail for railroad track scales, Guard. L. H. Gordon. 1,770,400; July 15.
 Rail guide and clamping surface for shapers. W. F. Zimmermann. 1,764,542; June 17.
 Rail-handling apparatus. E. L. Clark. 1,772,857; Aug. 12.
 Rail joint. V. C. Armstrong. 1,748,695; Feb. 25.
 Rail joint. C. E. Ballou. 1,772,382; Aug. 5.
 Rail joint. J. W. Brewer. 1,758,072; May 13.
 Rail joint. A. H. Broussard and L. K. Thibodeaux. 1,765,650; June 24.
 Rail joint. C. Furnari, T. Basile, and R. Sciotto. 1,755,920; Apr. 22.
 Rail joint. W. J. Geeson. 1,742,762; Jan. 7.
 Rail joint. G. Langford. Re17,561; Jan. 14.
 Rail joint. G. Langford. Re17,596; Feb. 18.
 Rail joint. J. A. Larson. 1,784,604; Dec. 9.
 Rail joint. A. W. McClary. 1,752,566; Apr. 1.
 Rail joint. J. A. McGrew. 1,743,559; Jan. 14.
 Rail joint. E. C. Neal. 1,777,574; Oct. 7.
 Rail joint. J. P. Northey. 1,776,367; Sept. 23.
 Rail joint. A. T. Palmer. 1,757,137; May 6.
 Rail joint. R. T. Schole. 1,787,089; Dec. 30.
 Rail joint. W. H. Smith. 1,768,009; June 24.
 Rail joint. L. C. Wilkoff. 1,746,175; Feb. 4.
 Rail joint and bar. G. Langford. 1,757,774; May 6.
 Rail joint and bar. G. Langford. 1,759,458; May 20.
 Rail-joint bar. V. C. Armstrong. 1,775,382; Sept. 9.
 Rail-joint bar. V. C. Armstrong. 1,781,426; Nov. 11.
 Rail-joint bar. D. L. Braine. 1,781,433; Nov. 11.
 Rail-joint bar. D. P. Wolhaupter and E. L. Groff. 1,768,391; June 24.
 Rail-joint bar, Compromise. D. L. Braine. 1,763,501; June 10.
 Rail joint, Insulated. E. F. Schermerhorn. 1,769,651; July 1.
 Rail joint, Insulated. W. P. Thomson. 1,749,857; Mar. 11.
 Rail joint, Railway-. W. A. Evers. 1,766,888; June 24.
 Rail joint, Railway-. W. A. Evers. 1,772,391; Aug. 5.
 Rail joint, Railway-. W. A. Evers. 1,778,632; Oct. 14.
 Rail joint, Railway-. S. H. Griffiths. 1,750,775; Mar. 18.
 Rail joint, Railway-. S. H. Griffiths. 1,756,859; Apr. 29.
 Rail joint, Railway-. G. W. Muller. 1,766,795; June 24.

- Rail-joint shim, Temporary. G. M. Clodfelter. 1,781,438; Nov. 11.
- Rail-joint spring, Compression. J. D. Cowan. 1,779,802; Oct. 28.
- Rail joints, Apparatus for machining welded. H. Schultz. 1,759,327; May 20.
- Rail joints, Construction for rehabilitating. M. Markley. 1,784,370; Dec. 9.
- Rail joints in tracks, Repairing worn. G. Langford. Des. 17,743; July 22.
- Rail joints, Making. G. A. Mead. 1,757,972; May 13.
- Rail lock. F. G. Breese. 1,754,155; Apr. 8.
- Rail lock, Side. F. Kusterle. 1,772,668; Aug. 12.
- Rail-machining device. F. W. Schmidt. 1,759,325; May 20.
- Rail nut lock. J. O. Gould. 1,783,876; Dec. 2.
- Rail plate. H. L. Gordion. 1,754,750; Apr. 15.
- Rail plate. M. Hida. 1,745,763; Feb. 4.
- Rail. Railway. H. D. and E. G. Oldendorph. 1,745,377; Feb. 4.
- Rail, Railway-track. G. M. Magee. 1,763,472; June 10.
- Railroad code-transmitting device. S. Ennes. 1,785,940; Dec. 23.
- Railroad crossing. L. Alexander. 1,772,022; Aug. 5.
- Railroad crossing. R. E. Einstein. 1,748,600; Feb. 25.
- Railroad crossing. A. D. Ketchum, sr. 1,774,380; Aug. 26.
- Railroad crossing. E. J. Sexton. 1,777,505; Oct. 7.
- Railroad crossing. M. G. Stoller. 1,782,182; Nov. 18.
- Railroad-crossing gate. H. F. C. Musmann. 1,765,936; June 24.
- Railroad-crossing gate. A. E. Spooner. 1,785,747; Dec. 23.
- Railroad crossing, Highway. C. M. Lish. 1,755,698; Apr. 22.
- Railroad crossings, Safety device for. P. J. Clifford. 1,774,787; Sept. 2.
- Railroad crosstie and making the same. C. Paff. 1,770,251; July 8.
- Railroad, Elevated. J. M. Rose. 1,748,309; Feb. 25.
- Railroad gate, Automatic. E. Canut and J. M. Loydi. 1,755,050; Apr. 15.
- Railroad gate, Automatic. E. J. Holly. 1,766,516; June 24.
- Railroad highway crossing. A. P. Rich. 1,769,464; July 1.
- Railroad rails, Producing impact-resisting. S. W. Miller. 1,745,806; Feb. 4.
- Railroad spreader. V. G. Tellis. 1,777,589; Oct. 7.
- Railroad spreaders, Wing construction for. V. G. Tellis. 1,742,326; Jan. 7.
- Railroad spreaders, Wing-lifting brace for. V. G. Tellis. 1,742,327; Jan. 7.
- Railroad spreaders, Wing-shaft-operating mechanism for. V. G. Tellis. 1,742,328; Jan. 7.
- Railroad system for levee constructing. R. H. McWilliams. 1,752,958; Apr. 1.
- Railroad tie. G. B. Cox. 1,747,054; Feb. 11.
- Railroad tie. W. P. Day. 1,763,037; June 10.
- Railroad tie. W. H. Empey. 1,776,422; Sept. 23.
- Railroad tie. H. G. and H. C. Filler. 1,753,649; Apr. 8.
- Railroad tie. W. R. Hewitt. 1,751,156; Mar. 18.
- Railroad tie. M. Levine. 1,743,824; Jan. 14.
- Railroad tie. E. C. Rassel. 1,785,324; Dec. 16.
- Railroad tie. O. E. Yokley. 1,769,089; July 1.
- Railroad tie and fastener for use therewith. J. R. Billups. 1,747,417; Feb. 18.
- Railroad tie, Steel. O. Peterson. 1,747,792; Feb. 18.
- Railroad-track structure. W. Dalton. 1,752,151-2; Mar. 25.
- Railroad-track joint. E. De Grace. 1,785,810; Dec. 23.
- Railroads, Supervising. G. H. Schieferstein. 1,771,449; July 29.
- Railroads, Switch machine for. W. K. Howe. 1,785,698; Dec. 16.
- Railroads, Train-dispatching system for. S. N. Wight. 1,785,708; Dec. 16.
- Rail, Robe. H. V. Henderson. Des. 81,134; May 13.
- Rail-sanding device and cleaner therefor. R. R. Birchfield. 1,758,821; May 13.
- Rail stay. J. M. Vail. 1,768,967; July 1.
- Rail straightener, Railroad-. C. D. Baldwin. 1,752,629; Apr. 1.
- Rail structure, Guard-. A. Enstrom. 1,770,231; July 8.
- Rail structure, Guard-. E. R. Packer. 1,770,009; July 8.
- Rail tie. J. E. Bliss. 1,760,735; May 27.
- Rail tie. J. C. Brouillard. 1,765,126; June 17.
- Rail tie. L. Szepsy and I. Windisch. 1,782,153; Nov. 18.
- Rail tie and fastening means. J. Vavories. 1,755,196; Apr. 22.
- Rail-tie plate and fastener. G. C. Habicht. 1,783,841; Dec. 2.
- Rail track. J. H. Madison. 1,747,945; Feb. 18.
- Rail-turning device. H. M. Ely. 1,775,851; Sept. 16.
- Railway and the like vehicle. A. Spencer. 1,781,253; Nov. 11.
- Railway bootleg. H. A. Thompson. 1,770,049; July 8.
- Railway braking apparatus. W. C. McWhirter. 1,744,833; Jan. 28.
- Railway-car seat. J. M. Knight and V. Willoughby. 1,766,079; June 24.
- Railway carriage. M. Hautot. 1,767,361; June 24.
- Railway chair. H. Reuter. 1,773,468; Aug. 19.
- Railway crossing. O. Getman. 1,766,379; June 24.
- Railway crossing. J. D. Lasswell. 1,766,913; June 24.
- Railway crossing. D. C. Mulvihill. 1,743,829; Jan. 14.
- Railway-crossing gate. J. J. Wilmoth and A. Moos. 1,768,388; June 24.
- Railway crossing, Metallic. J. A. Dailey and L. W. Gerth. 1,758,935; May 20.
- Railway crossing, Noiseless. J. Core. 1,748,867; Feb. 25.
- Railway-crossover frog construction. A. L. Vissat. 1,784,211; Dec. 9.
- Railway crosstie. G. W. Corrigan. 1,760,231; May 27.
- Railway draft rigging. H. J. Lounsbery. 1,743,042; Jan. 7.
- Railway draft rigging. J. F. O'Connor. 1,762,414; June 10.
- Railway drive, Electric. F. Prantl. 1,748,078; Feb. 25.
- Railway drive mechanism. C. Bethel. 1,743,098; Jan. 14.
- Railway equipment, Electric. R. G. Williams. 1,751,118; Mar. 18.
- Railway gate and control therefor. T. W. Brazell. 1,746,238; Feb. 11.
- Railway gate, Automatic. C. S. Grove. 1,744,628; Jan. 21.
- Railway gate, Automatic. A. Widuch, S. Hayduk, and W. Sliwa. 1,749,053; Mar. 4.
- Railway grade crossing accidents, System for automatically preventing. M. E. McKee. 1,785,093; Dec. 16.
- Railway-joint lock. J. A. Hyle and E. R. Swanson. 1,747,977; Feb. 18.
- Railway or tramway systems, Power-operated propelling means for. A. G. Kershaw. 1,743,782; Jan. 14.
- Railway pad. R. E. Tupper. 1,750,735; Mar. 18.
- Railway rails, Anticreeper for. W. S. Weston. 1,767,495; June 24.
- Railway rails, Anticreeping device for. E. F. Holinger. 1,743,063; Jan. 7.
- Railway rails, Device for preventing creep in. Z. Thomka. 1,773,156; Aug. 19.
- Railway rails, Hardening of the heads of. J. Lukaszczuk. 1,745,023; Jan. 28.
- Railway rails to their sleepers, Device for securing. P. Remy. 1,771,191; July 22.
- Railway-roadbed construction. P. Chipman. 1,754,609; Apr. 15.
- Railway rolling stock. H. J. Nelson. 1,768,527; June 24.
- Railway signaling. P. P. Stoker. 1,742,734; Jan. 7.
- Railway structure, Paved or similar. W. S. Godwin. 1,757,656; May 6.
- Railway switch. A. Z. Azcaray. 1,778,478; Oct. 14.
- Railway switch. F. H. Bagley. 1,787,336; Dec. 30.
- Railway switch. A. G. Davis. 1,761,105; June 3.
- Railway switch. M. Gault. 1,750,465; Mar. 11.
- Railway switch. D. C. Snyder. 1,742,974; Jan. 7.
- Railway switch. O. L. Wertman and P. W. Ratcliff. 1,772,332; Aug. 5.
- Railway switch, Automatically-operable. R. R. Foulke. 1,759,843; May 27.
- Railway-switch mechanism, Control means for. D. M. Wilcox. 1,758,018; May 13.
- Railway switches, Apparatus for controlling. D. F. Co-bourn. 1,754,742; Apr. 15.
- Railway system. F. Lawaczek. 1,773,047; Aug. 12.
- Railway system, Direct-current. U. Kloss. 1,782,537; Nov. 25.
- Railway tie. F. L. Klingensmith. 1,784,901; Dec. 16.
- Railway tie. D. B. Macneir. 1,784,606; Dec. 9.
- Railway tie. G. C. Ramsey. 1,765,613; June 24.
- Railway tie, Metal. F. L. Morris. 1,779,138; Oct. 21.
- Railway tie, Metallic. R. L. Vare. 1,754,917; Apr. 15.
- Railway tie plate. W. R. Hewitt. 1,767,453; June 24.
- Railway-track tie. J. J. Dixon. 1,754,352; Apr. 15.
- Railway tracks, Device for recording the condition of. H. Beck. 1,778,287; Oct. 14.
- Railway-train operation, Apparatus for. F. Gilroy. 1,773,264; Aug. 19.
- Railway-truck bolster. T. H. Symington and P. R. Drenning. 1,749,679; Mar. 4.
- Railway truck, Safety. E. R. Edson. 1,764,941; June 17.
- Railway wheel, Metal-tired. G. McCormick. 1,773,740; Aug. 26.
- Railways, Current collector for electric. J. F. de Továros. 1,781,323; Nov. 11.
- Railways, Switch-operating mechanism for electric. A. Patz. 1,780,939; Nov. 11.
- Railways, Temporary extension for mine. A. R. Long. 1,784,367; Dec. 9.
- Railways with very close train sequence, Obtaining entry and exit times of any desired length in. F. Krauckenberg. 1,776,913; Sept. 30.
- Rail-welding apparatus. H. G. Spilsbury. 1,757,148; May 6.
- Rail with reversible head. F. J. Hawley. 1,769,643; July 1.
- Railing, Stair and baluster. G. Rosenbaum. 1,757,686; May 6.
- Rails and tie plates, Manufacture of. J. D. Jones. 1,761,672; June 3.
- Rails, Anticreeper for railway. J. Richards and N. Cortese. 1,783,482; Dec. 2.
- Rails, Apparatus for jointlessly welding. C. Stedefeld. 1,762,085; June 3.
- Rails, Apparatus for straightening the heads of railway. J. R. Lukaszczuk. 1,752,646; Apr. 1.
- Rails, Electrically connecting. G. A. Mead. 1,757,973; May 13.
- Rails from railroad tracks, Method and apparatus for removing. R. Woodbury and R. L. Martin. 1,754,662; Apr. 15.

- Rails, Improving the heads of railway. J. Lukasczyk. 1,764,844; June 17.
- Rails, Jointlessly welding. C. Stedefeld. 1,762,086; June 3.
- Rails, Means to facilitate the electrical bonding of railway. G. F. Grundon and F. E. Knight. 1,783,238; Dec. 2.
- Rails, Means to prevent battering of new. J. E. Busby. 1,755,911; Apr. 22.
- Rails, Splicing structure for canted. V. C. Armstrong. 1,756,330; Apr. 29.
- Rails to high-speed suspension monorailways, Securing. F. Kruckenberg. 1,763,558; June 10.
- Rails upon ties, Supporting railway. W. H. Kirkbride. 1,780,396; Nov. 4.
- Raincoat. C. H. Place. 1,784,158; Dec. 9.
- Rain ice method. W. F. Grupe. 1,748,043; Feb. 18.
- Raisin-cleaning apparatus. C. U. Frazier. 1,762,884; June 10.
- Raising and lowering apparatus. E. H. Remde. 1,767,095; June 24.
- Raising mechanism. H. F. Flowers. 1,787,342; Dec. 30.
- Rake: See—
- | | |
|-------------|---------------------|
| Broom rake. | Power rake. |
| Hand rake. | Self-cleaning rake. |
| Lawn rake. | Wheel rake. |
- Rake. O. M. Bullock. 1,779,927; Oct. 28.
- Rake. H. W. Falstrom. 1,780,180; Nov. 4.
- Rake. C. W. Jarvis. 1,757,669; May 6.
- Rake. C. E. Peterson. 1,760,660; May 27.
- Rake. G. H. Maus. 1,752,447; Apr. 1.
- Rake. C. J. Rocquin. 1,784,947; Dec. 16.
- Rake. H. W. Rowland. 1,772,113; Aug. 5.
- Rake and buncher, Bean. R. Stampfly. 1,754,337; Apr. 15.
- Rake and fertilizing machine, Lawn. R. A. Charles. 1,763,757; June 17.
- Rake and snow shovel, Combination. J. P. Kinsley. 1,755,652; Apr. 22.
- Rake cleaner. F. De Roy. 1,743,883; Jan. 14.
- Rake-cleaning attachment. J. A. Steinmetz. 1,780,688; Nov. 4.
- Rake-cleaning attachment, Hand-. R. G. Roth. 1,781,734; Nov. 18.
- Rake construction. E. L. Bell. 1,768,101; June 24.
- Rake, fork, and cultivator, Combination. W. B. Taylor. 1,773,208; Aug. 19.
- Ram, Hydraulic. E. Faure. 1,775,451; Sept. 9.
- Ramp structure. H. N. Davock. 1,771,671; July 29.
- Ramp structure. W. F. Goodrich. 1,753,115; Apr. 1.
- Ramp structure. H. L. Smith, Jr. 1,775,001; Sept. 2.
- Range. W. A. Busiek. 1,756,179; Apr. 29.
- Range. J. B. Ehrlich. 1,746,931; Feb. 11.
- Range. W. E. Kirby. Des. 82,264; Oct. 14.
- Range. M. Schey. 1,747,325; Feb. 18.
- Range. A. Stockstrom. Des. 82,765-6; Dec. 9.
- Range and water heater, Combination gas. W. D. Wilcox. 1,747,220-1; Feb. 18.
- Range, Cabinet gas. J. Teller. Des. 82,007; Sept. 9.
- Range, Cabinet gas or electric. J. Teller and A. P. Schulz. Des. 82,919; Dec. 23.
- Range, Coal. J. Teller. Des. 82,769; Dec. 9.
- Range, Combined boiler and kitchen. L. Courtot. 1,744,039; Jan. 21.
- Range, Convertible gas. J. S. Higbie. 1,775,902; Sept. 16.
- Range, Cooking. J. C. Clark. Des. 82,019-20; Sept. 16.
- Range, Electric. R. H. MacInnes. 1,742,660; Jan. 7.
- Range finder and gun sight. R. Kauch and C. L. Paulus. 1,759,012; May 20.
- Range-finding instrument. J. T. Zak. 1,747,207; Feb. 18.
- Range, Gas. A. H. Brodbeck. 1,742,897; Jan. 7.
- Range, Gas. S. H. Hobson. 1,763,705; June 17.
- Range, Gas. A. Stockstrom. Des. 82,528; Nov. 11.
- Range, Gas. A. Stockstrom and A. H. Brodbeck. 1,784,764; Dec. 9.
- Range, Gas. J. O. and F. W. Thomson. 1,748,742; Feb. 25.
- Range, Gas. R. D. Wells. 1,785,563; Dec. 16.
- Range or similar article. W. Noble. Des. 81,990; Sept. 9.
- Range or similar article. A. Stockstrom. Re17,900; Dec. 9.
- Range, Solid-fuel. G. E. Pickup. Des. 81,997; Sept. 9.
- Ranges, Detachable plate for concealed manifolds of gas. F. G. Nicolaus. 1,744,567; Jan. 21.
- Rapping machine for dust collectors. M. A. Eiben. 1,751,138; Mar. 18.
- Rasp or file. V. E. Lento. 1,785,836; Dec. 23.
- Ratio-adjusting switch. L. F. Blume. 1,785,575; Dec. 16.
- Ratio of variable quantities, Calculating. G. A. and A. F. Julius. 1,779,774; Oct. 28.
- Rat trap. H. J. Brinker. 1,771,871; July 29.
- Rat trap. S. Kaneko. 1,777,974; Oct. 7.
- Rat trap. C. A. Parratt. 1,769,453; July 1.
- Rat trap. S. P. Slater. 1,760,324; May 27.
- Rat trap. O. Stuesse. 1,757,063; May 6.
- Ratchet-bar-actuating mechanism. J. W. Brown. 1,774,869; Sept. 2.
- Ratchet-feeding device. J. A. Waller. 1,766,364; June 24.
- Ratchet Mechanisms, Spring pawl for. E. L. Carlson. 1,172,798; Aug. 12.
- Ratchet wrench. E. B. Nowosielski. 1,769,070; July 1.
- Ratchet wrench. W. A. Seidemann. 1,772,524; Aug. 12.
- Rattle with handle having flexible section. A. Zadek. 1,753,493; Apr. 8.
- Rattle with sound-making attachment. A. Zadek. 1,756,077; Apr. 29.
- Ray absorber and deflector for automobile headlights. G. E. Graves. 1,760,055; May 27.
- Rayon, Method of and apparatus for preparing. L. A. Paley. 1,756,435; Apr. 29.
- Rayproof structure. D. H. Barry. 1,780,108; Oct. 28.
- Razor. D. J. Case. 1,764,506; June 17.
- Razor. G. Dalkowitz. 1,770,604; July 15.
- Razor. R. F. and P. Elzinga. 1,759,981; May 27.
- Razor. P. D. Grisard. 1,785,189-90; Dec. 16.
- Razor. H. A. Kaufmann. 1,753,422; Apr. 8.
- Razor. E. F. Temple. 1,774,617; Sept. 2.
- Razor, Adjustable safety. E. W. Anderson. 1,748,376; Feb. 25.
- Razor and blade, Safety. O. Goetzke. 1,751,476; Mar. 25.
- Razor and the like, Safety. C. E. Carpenter. 1,747,815; Feb. 18.
- Razor attachment, Safety-. J. G. Suarez. 1,780,951; Nov. 11.
- Razor blade. O. Roth. 1,744,803; Jan. 28.
- Razor-blade case. W. J. Manning. 1,769,526; July 1.
- Razor-blade-disposal tile. R. Carlisle. 1,785,855; Dec. 23.
- Razor-blade ejector. J. Holtzman. 1,760,060; May 27.
- Razor blade, Safety-. R. E. Thompson. 1,772,432; Aug. 5.
- Razor-blade strop, Rotary. J. S. Craib. 1,768,573; July 1.
- Razor, Blade-wiping. R. Crompton. 1,771,164; July 22.
- Razor blades, Apparatus for exchanging safety-. J. C. Sherman. 1,780,949; Nov. 11.
- Razor conditioning and device therefor, Magnetic. J. S. Forbes. 1,775,518; Sept. 9.
- Razor conditioning and device therefor, Magnetic. J. S. Forbes. 1,783,012; Nov. 25.
- Razor-conditioning device, Magnetic. J. S. Forbes. 1,782,033; Nov. 18.
- Razor, Corn. M. B. Behrman. 1,776,247; Sept. 23.
- Razor handle, Safety-. J. B. Friedman and A. E. Friedman. 1,774,596; Sept. 2.
- Razor handle, Safety-. J. A. D. Watt. 1,749,051; Mar. 4.
- Razor, Reciprocating-action safety. J. H. Schuster. 1,785,917; Dec. 23.
- Razor, Safety. R. D. Baker. 1,782,455; Nov. 25.
- Razor, Safety. R. O. Barnes. 1,765,256; June 17.
- Razor, Safety. W. E. Bleloch. 1,768,307; June 24.
- Razor, Safety. L. A. Carpenter. 1,774,419; Aug. 26.
- Razor, Safety. R. J. Christy. 1,777,602; Oct. 7.
- Razor, Safety. F. O. Conill. 1,755,726; Apr. 22.
- Razor, Safety. J. E. Connolly. 1,777,691; Oct. 7.
- Razor, Safety. J. Currie. 1,785,889; Dec. 23.
- Razor, Safety. G. Dalkowitz. 1,773,614; Aug. 19.
- Razor, Safety. E. W. Davis. 1,777,914; Oct. 7.
- Razor, Safety. J. De Palma. 1,771,878; July 29.
- Razor, Safety. E. W. Ericsson. 1,785,545; Dec. 16.
- Razor, Safety. H. J. Gaisman. Re17,567; Jan. 14.
- Razor, Safety. H. J. Gaisman. 1,747,151-2; Feb. 11.
- Razor, Safety. H. J. Gaisman. 1,770,169-72; July 8.
- Razor, Safety. H. J. Gaisman. 1,774,828-9; Sept. 2.
- Razor, Safety. H. J. Gaisman. 1,785,077; Dec. 16.
- Razor, Safety. H. J. Gaisman. 1,787,240-1; Dec. 30.
- Razor, Safety. R. P. Harshberger. 1,760,496; May 27.
- Razor, Safety. H. C. Hart. 1,785,446; Dec. 16.
- Razor, Safety. J. Menzak. 1,780,934; Nov. 11.
- Razor, Safety. J. Muros. 1,758,963; May 20.
- Razor, Safety. J. Muros. 1,766,397-9; June 24.
- Razor, Safety. A. K. Peterson. 1,744,280; Jan. 21.
- Razor, Safety. P. M. Salerni. 1,771,235; July 22.
- Razor, Safety. E. C. Sasser. 1,785,652; Dec. 16.
- Razor, Safety. J. Schick. 1,756,439; Apr. 29.
- Razor, Safety. J. Schick. 1,767,706; June 24.
- Razor, Safety. A. Schlüssler. 1,765,805; June 24.
- Razor, Safety. B. and S. Tewelow. 1,754,807; Apr. 15.
- Razor, Safety. A. A. Theodoropoulos. 1,756,224; Apr. 29.
- Razor, Safety. G. Valet. 1,742,330; Jan. 7.
- Razor, Self-lathering safety. L. C. Johnston. 1,744,902; Jan. 28.
- Razor strop. F. K. Hehnly. 1,787,372; Dec. 30.
- Razor-strop dressing. W. O. Snellings. 1,754,406; Apr. 15.
- Reaction control, Automatic. W. J. Crowell, Jr. 1,766,981; June 24.
- Reactor. W. A. Ready. 1,745,812; Feb. 4.
- Reactor structure. R. B. George. 1,747,507; Feb. 18.
- Reactor system. J. S. Hebrew. 1,763,150; June 10.
- Reading glass. J. B. Bander. 1,784,168; Dec. 9.
- Reading glass. M. C. Williamson. Des. 81,359; June 10.
- Reading machine. B. A. Fiske. 1,742,640; Jan. 7.
- Reagent feeder. J. F. Geary. 1,766,625; June 24.
- Reagent feeder. G. G. Thomas. 1,787,289; Dec. 30.
- Reagent for use in concentration of ores. C. G. Quigley. 1,771,550; July 29.
- Reamer. G. A. De Vlieg. 1,775,120; Sept. 9.
- Reamer. O. Duda. 1,786,484; Dec. 30.
- Reamer. W. M. McBride. 1,780,240; Nov. 4.
- Reamer. F. P. Miller. 1,765,171; June 17.
- Reamer. G. S. Olson. 1,774,152; Aug. 26.
- Reamer. H. P. Wickersham. 1,764,377; June 17.
- Reamer and drill, Expansive. J. J. Santiago. 1,756,524; Apr. 29.
- Reamer, Expanding. F. H. Davenport. 1,774,701; Sept. 2.
- Reamer, Expanding. E. F. Raymond. 1,754,525; Apr. 15.
- Reamer, Expanding. J. J. Santiago. 1,754,530; Apr. 15.
- Reamer, Expansive. V. York. 1,778,442; Oct. 14.
- Reamer, Expansive. J. J. Santiago. 1,774,764; Sept. 2.
- Reamer, Floating. C. W. Floss. 1,780,554; Nov. 4.
- Reamer for pipe threaders. E. T. Siesko. 1,762,670; June 10.
- Reamer for smokers' pipes. J. D. Maier. 1,746,086; Feb. 4.
- Reamer, Protected under. J. Grant. 1,773,307; Aug. 19.

- Reamer, Rotary. A. Boynton. 1,750,953; Mar. 18.
 Reaper thrasher. B. S. Harris and H. M. Johnston. 1,761,264-5; June 3.
 Reaper thrasher and like harvesting machine. T. Jelbart. 1,761,346; June 3.
 Reaping machine. E. E. C. Serre. 1,782,321; Nov. 18.
 Rebound device. E. W. Ackerman and G. C. Nicholson. 1,759,879; May 27.
 Rebound device, Hydraulic. E. W. Ackerman and G. C. Nicholson. 1,752,409; Apr. 1.
 Recede and set works. E. G. Stack. 1,754,701; Apr. 15.
 Receding mechanism. G. M. Pelton. 1,786,261; Dec. 23.
 Receiver arrangement for electric television apparatus. A. Karolus. 1,762,231; June 10.
 Receiver-circuit control from single jack and plug. H. G. Richter. 1,769,754; July 1.
 Receivers and generators, Synchronizing, regulating, and controlling. R. V. L. Hartley. 1,774,003; Aug. 26.
 Receiving apparatus. G. W. Carpenter. 1,774,421; Aug. 26.
 Receiving apparatus. R. Deason. 1,763,459; June 10.
 Receiving channels, Automatic selection of. R. Bohn. 1,747,220-1; Feb. 18.
 Receiving channels, Automatic selection of. W. C. Bohn. 1,747,218; Feb. 18.
 Receiving channels, Automatic selection of. G. D. Gillett. 1,747,236; Feb. 18.
 Receiving set. M. V. Timtman. 1,750,032; Mar. 11.
 Receiving system. A. A. Kent. 1,775,399; Sept. 9.
 Receiving system, High-frequency. H. E. Allen. 1,755,091; Apr. 15.
 Receptacle. W. J. Ake. 1,775,747; Sept. 16.
 Receptacle. C. E. Carter. 1,752,146; Mar. 25.
 Receptacle. H. Fordyce. Des. 80,438; Feb. 4.
 Receptacle. H. A. Inman. 1,773,678; Aug. 19.
 Receptacle. A. Martin. 1,765,686; June 24.
 Receptacle. M. Samson. 1,743,980; Jan. 14.
 Receptacle. A. von Frankenberg. 1,781,141; Nov. 11.
 Receptacle. F. C. Williams. 1,775,796; Sept. 16.
 Receptacle. J. H. Willson. 1,781,909; Nov. 18.
 Receptacle. D. H. Zell. 1,749,655; Mar. 4.
 Receptacle and gripper, Desk-set. W. E. Guyot. 1,772,000; Aug. 5.
 Receptacle and holder or similar article, Combined ash and cigarette. C. L. Marcus. Des. 82,041-2; Sept. 16.
 Receptacle and making it, Metallic. C. M. Agnew. 1,742,336; Jan. 7.
 Receptacle and making same. A. J. Bayles. 1,744,945; Jan. 28.
 Receptacle and making same. A. Daniels. 1,752,371; Apr. 1.
 Receptacle and protective jacket therefor, Vacuum-insulated. C. W. Davis and F. F. Becker. 1,779,117; Oct. 21.
 Receptacle and sifter, Material. B. N. Carlson. 1,748,830; Feb. 25.
 Receptacle, Ash. A. C. Grunwald. Des. 82,423; Nov. 4.
 Receptacle, Ash. A. Kolar. Des. 81,137; May 13.
 Receptacle, Attachment-plug. E. G. Gaynor. 1,742,907; Jan. 7.
 Receptacle, Bottle. W. T. Smith. 1,752,815; Apr. 1.
 Receptacle, Brush. Z. W. Alderman, jr. 1,743,646; Jan. 14.
 Receptacle, Button. J. C. Day. 1,765,325; June 17.
 Receptacle, Button. J. C. Day. 1,785,186; Dec. 16.
 Receptacle, Cake. T. Lauder. 1,769,351; July 1.
 Receptacle, Calling-card. N. E. Montague. 1,776,951; Sept. 30.
 Receptacle, Closure for. H. S. Brady. 1,773,513; Aug. 19.
 Receptacle-closure means. H. J. Melville. 1,765,989; June 24.
 Receptacle, Coffee. F. Novotny. 1,757,583; May 6.
 Receptacle, Combination sink and garbage. C. G. Hibner. 1,756,290; Apr. 29.
 Receptacle, Condiment. W. W. Harris. 1,772,041; Aug. 5.
 Receptacle, Cooking. C. S. Acton. 1,757,989; May 13.
 Receptacle, Cosmetic. W. E. Wacker. 1,756,042; Apr. 29.
 Receptacle, Dispensing. W. D. Hines. 1,775,959; Sept. 16.
 Receptacle, Dispensing. A. O. Wright. 1,771,106; July 22.
 Receptacle, Duplex. H. L. Strongson. 1,785,463; Dec. 16.
 Receptacle, Filing. A. S. Greenhaus. 1,759,255; May 20.
 Receptacle-filling apparatus. C. N. Bergmann. 1,761,383; June 3.
 Receptacle-filling machine. R. W. McIntyre. 1,751,487; Mar. 25.
 Receptacle, Flexible pocket. W. R. Buxton. 1,778,448; Oct. 14.
 Receptacle for cigarette ashes and the like. W. F. Herold. Re17,598; Feb. 18.
 Receptacle for cigsars and cigarettes, Dispensing. P. Bonaventura. 1,766,097; June 24.
 Receptacle for deodorant or incense. K. Rubins. Des. 81,664; July 22.
 Receptacle for dispatching dental impressions. R-F. Doge. 1,776,491; Sept. 23.
 Receptacle for dispensing liquid, semiliquid, or pasty materials. M. Iochum. 1,767,457; June 24.
 Receptacle for holding volatile liquids. R. J. Anschicks. 1,745,466; Feb. 4.
 Receptacle for knives, forks, and the like, Condiment. H. Walch. 1,754,973; Apr. 15.
 Receptacle for light-sensitive units. P. Thomas. 1,764,368; June 17.
 Receptacle for machine benches, Work. W. H. Des Jardins. 1,761,780; June 3.
 Receptacle for mopping machines. W. S. Fennell. 1,767,840; June 24.
 Receptacle for radiotubes, Socket. W. C. MacFadden. 1,771,094; July 22.
 Receptacle for razor blades. F. W. Kirsten. 1,753,269; Apr. 8.
 Receptacle for silverware. C. W. Burnham. 1,753,878; Apr. 8.
 Receptacle for small articles, Safety. W. R. Hill and W. F. Diesel. 1,781,060; Nov. 11.
 Receptacle for smoker's use and articles. G. E. Thompson. Des. 81,031; Apr. 22.
 Receptacle for toothbrushes. H. E. Barker. 1,746,022; Feb. 4.
 Receptacle for umbrellas and the like, Identification. J. R. Rawley. 1,766,454; June 24.
 Receptacle for use in manicuring. G. G. Culver. 1,753,044; Apr. 1.
 Receptacle, Garbage. B. Sommers. 1,763,907; June 17.
 Receptacle handle. C. H. Allen. 1,747,280; Feb. 18.
 Receptacle, Ice. E. W. Heisey. 1,784,232; Dec. 9.
 Receptacle, Individual salt and pepper. G. F. Kraft. 1,758,117; May 13.
 Receptacle, Knockdown. W. Raster. 1,757,141; May 6.
 Receptacle, Lamp. C. L. Nicholson, 2d. 1,785,205; Dec. 16.
 Receptacle lifter. A. High. 1,763,965; June 17.
 Receptacle, Match. J. C. Poister. 1,752,108; Mar. 25.
 Receptacle, Metal. S. Hammer. 1,747,003; Feb. 11.
 Receptacle, Metal. S. Hammer. 1,756,945; May 6.
 Receptacle, Metal. H. Mayled. 1,758,615; May 13.
 Receptacle, Metallic. E. E. Thune. 1,778,175; Oct. 14.
 Receptacle, Metallic. H. H. Ward. 1,787,221; Dec. 30.
 Receptacle, Milk-bottle. F. B. Williams. 1,745,074; Jan. 28.
 Receptacle, Milk-bottle. F. B. Williams. 1,769,559; July 1.
 Receptacle, Multiple-plug. H. Birchall. 1,752,220; Mar. 25.
 Receptacle, Pickling. G. J. Herman. 1,776,558; Sept. 23.
 Receptacle, Pilot-light. T. A. Both. 1,781,535; Nov. 11.
 Receptacle, Plug. H. Hubbell. 1,771,633; July 29.
 Receptacle, Portable laundry. H. Hirsch. 1,762,475; June 10.
 Receptacle provided with trays. S. F. Pratt. 1,782,630; Nov. 25.
 Receptacle, Refrigerating. A. E. Payson. 1,770,944; July 22.
 Receptacle, Sanitary ash. H. A. Bernhardt. Des. 80,356; Jan. 21.
 Receptacle, Scrub-water. W. S. Fennell. 1,748,336; Feb. 25.
 Receptacle, Smoker's. B. Putterman. 1,767,476; June 24.
 Receptacle, Smoker's ash. F. Wersebe. 1,743,507; Jan. 14.
 Receptacle, Storage. E. Trautman and P. Fetzger. 1,778,236; Oct. 14.
 Receptacle, Waste. H. J. Melville. 1,753,210; Apr. 8.
 Receptacle, Waste. G. I. Mills. 1,773,927; Aug. 26.
 Receptacle, Waterproof. A. von Frankenberg. 1,766,569; June 24.
 Receptacle, Waterproof paper. W. E. Benson. 1,771,765; July 29.
 Receptacle, Water-tight. A. von Frankenberg. 1,783,756; Dec. 2.
 Receptacle with removable jacket. L. V. Aronson. 1,760,933; June 3.
 Receptacles, Making nestable. H. A. Rosenthal. 1,746,869; Feb. 11.
 Receptacles, Sealing. L. R. N. Carvalho. 1,744,444; Jan. 21.
 Recipe, Pastry. C. F. Miller. 1,761,738; June 3.
 Reciprocating engine. H. J. Alderson. 1,781,831; Nov. 18.
 Reciprocating engine. A. R. Chalker and E. A. Turner. 1,779,586; Oct. 28.
 Reciprocating engine. W. E. Goldsborough. 1,755,578; Apr. 22.
 Reciprocating engine. O. Hammond. 1,745,793; Feb. 4.
 Reciprocating engine, Multicylinder. H. R. Ricardo. 1,767,309; June 24.
 Reciprocating mechanism. D. F. Grahame. 1,764,560; June 17.
 Reciprocatory motion to rotary motion, or the converse, Conversion of. G. Dean. 1,761,429; June 3.
 Recliner. C. J. Scranton, jr. 1,781,198; Nov. 11.
 Reclining chair. W. E. B. Hasselkus. 1,765,071; June 17.
 Reclining chair. A. Myerson. 1,773,597; Aug. 19.
 Reclining chair, Collapsible. J. Weinigel. 1,776,403; Sept. 23.
 Reclosing system for electric switches, Automatic. G. W. O'Keeffe. 1,769,538; July 1.
 Recoil check, etc. L. Dunning. 1,772,389; Aug. 5.
 Reconditioning waste, Method of and apparatus for. E. S. Pearce. 1,776,293; Sept. 23.
 Record and record holder. A. A. Dionne. 1,762,137; June 3.
 Record apparatus. G. D. Adams and J. W. Dunigan. 1,748,692; Feb. 25.
 Record book, Sales. E. M. Harris. 1,759,845; May 27.

- Record, Built-up. E. Niethamer. 1,746,602; Feb. 11.
 Record-carrying device for automobiles. E. H. Souter. 1,782,942; Nov. 25.
 Record comparing and posting machine. J. R. Peirce. 1,761,741; June 3.
 Record-controlled machine. J. W. Bryce. 1,774,051; Aug. 26.
 Record device. E. Carlson. 1,749,208; Mar. 4.
 Record machine, Sales-. L. W. Langford. 1,743,277; Jan. 14.
 Record, Phonograph disk. E. H. Morrison. 1,755,743; Apr. 22.
 Record-resurfacing machine. V. L. Frykman. 1,785,409; Dec. 16.
 Recorder: *See*—
 Accident and time recorder. Signal recorder.
 CO₂ recorder. Signaling recorder.
 Fare recorder. Sound recorder.
 Humidity recorder. Surge recorder.
 Impact recorder. Temperature recorder.
 Pressure recorder. Time recorder.
 Recorder and reproducer, Combined. A. C. Keller. 1,744,047; Jan. 21.
 Recorder for facsimile systems. R. H. Ranger. 1,765,448; June 24.
 Recorder reproducer, Electrical. H. W. Rogers. 1,776,045; Sept. 16.
 Recording and advertising device. F. Widoe. 1,749,619; Mar. 4.
 Recording and controlling, System for alternately. H. C. Parker. 1,759,996; May 27.
 Recording and metering apparatus, Combined. L. Ribieras. 1,744,176; Jan. 21.
 Recording and reproducing sensorial effects. W. O. James. 1,769,954; July 8.
 Recording and reproducing system. E. D. Phinney. 1,765,735; June 24.
 Recording apparatus. N. Ach and G. Wilichowski. 1,770,903; July 22.
 Recording apparatus. R. Loyal. 1,750,863; Mar. 18.
 Recording device. C. W. Mayer and E. F. Siller. 1,765,988; June 24.
 Recording device for automobiles. N. L. Greene. 1,767,924; June 24.
 Recording device for motor vehicles. P. E. Hansen. 1,759,194; May 20.
 Recording device for poultry. J. M. Hodges. 1,762,687; June 10.
 Recording device for telegraphic signaling, Optical. E. Belin. 1,785,610; Dec. 16.
 Recording instrument. E. H. Bristol. 1,752,059; Mar. 25.
 Recording instrument. G. P. Murphey. 1,785,874; Dec. 23.
 Recording instrument. H. L. Tanner. 1,775,976; Sept. 16.
 Recording instrument, Time-. J. Brendle. 1,746,761; Feb. 11.
 Recording machine. R. H. Paulson. 1,750,539; Mar. 11.
 Recording means. F. L. Capps. 1,765,051; June 17.
 Recording means for dump cars, Automatic. E. W. Schellentrager. 1,762,196; June 10.
 Recording mechanism. E. B. Foote. 1,757,012; May 6.
 Recording mechanism, Surveying and route. M. H. Fung. 1,746,420; Feb. 11.
 Recording meter. T. R. Harrison. 1,743,854; Jan. 14.
 Recording of music and speech. H. B. Wier. 1,765,517; June 24.
 Recording of views of objects or scenes or optical images or the like. J. L. Baird. 1,776,097; Sept. 16.
 Recording sound or other vibratory energy. C. A. Whitsett. 1,742,490; Jan. 7.
 Recording system for signals, Time-. T. J. Watson. 1,777,867; Oct. 7.
 Recording time and period values. W. J. Love, jr. 1,752,564; Apr. 1.
 Records, Apparatus for making sound. H. Küchenmeister. 1,765,923; June 24.
 Records, Cutting phonograph. E. J. Quinby. 1,785,047; Dec. 16.
 Records, Electric pick-up for gramophone or other sound. J. Dieux. 1,780,378; Nov. 4.
 Records, Making phonograph. F. L. Dyer. 1,783,498; Dec. 2.
 Records, Resurfacing. H. P. Beers. 1,750,155; Mar. 11.
 Rectifier. F. Gray. 1,784,869; Dec. 16.
 Rectifier. H. C. Rentschler and W. W. Merrymon. 1,760,525; May 27.
 Rectifier. J. Slepian. 1,749,549; Mar. 4.
 Rectifier. J. B. Wantz and A. A. Grothe. 1,761,246; June 3.
 Rectifier and voltage regulator, Current. T. E. Foulke. 1,772,603; Aug. 12.
 Rectifier, Electrolytic. F. Eichenberger. 1,765,573; June 24.
 Rectifier for alternating currents, Electrolytic. R. F. Bossini. 1,743,186; Jan. 14.
 Rectifier, Mechanical. K. Schmidt. 1,760,966; June 3.
 Rectifier, Mechanical vibrating. O. H. Dicke. 1,768,750; July 1.
 Rectifier, Mercury-vapor. J. Kubler and E. Kobel. 1,781,286; Nov. 11.
 Rectifier, Metallic-vapor. S. Wildmer. 1,769,092; July 1.
 Rectifier of the synchronous type. A. Latour. 1,780,827; Nov. 4.
 Rectifier, Oil. F. B. Mason. 1,747,554; Feb. 18.
 Rectifier system. A. Gaudenzi. 1,755,320; Apr. 22.
 Rectifiers, Protection and control of. S. Widmer. 1,774,534; Sept. 2.
 Rectifying apparatus. H. G. André. 1,758,680; May 13.
 Rectifying apparatus and method of making. H. G. André. 1,764,770; June 17.
 Rectifying device and making the same. W. D. Dooley. 1,776,217; Sept. 16.
 Rectifying device and producing the same. W. D. Dooley. 1,748,012; Feb. 18.
 Rectifying system. C. Krämer. 1,776,157; Sept. 16.
 Rectifying switch. J. B. Wantz. 1,784,122; Dec. 9.
 Rectifying tube. J. Risler. 1,780,504; Nov. 4.
 Rectifying units, Producing. C. E. Ogden. 1,769,852; July 1.
 Rectilinear movement into a continuous rotary movement, Device for transforming a. E. Bouillon. 1,754,216; Apr. 15.
 Recuperator. W. B. Chapman. 1,771,160; July 22.
 Recuperator. D. B. Hendryx. 1,769,994; July 8.
 Recuperator. W. J. Kelly, M. P. Burns, and A. Barr. 1,782,430; Nov. 25.
 Recuperator. G. D. Mantle. 1,771,936; July 22.
 Recuperator. G. D. Mantle and T. W. Munford. 1,750,850; Mar. 18.
 Recuperator. G. M. Parker. 1,743,830; Jan. 14.
 Reduced materials, Device for reducing and feeding. H. G. Lykken. 1,760,245; May 27.
 Reducing and massaging device. A. E. Carlson. 1,776,806; Sept. 30.
 Reed for clarinets and saxophones. C. O. Widmayer. 1,779,522; Oct. 28.
 Reed for musical instruments. F. A. Brenner. 1,783,824; Dec. 2.
 Reed for wind musical instruments. P. Arthur. 1,770,966; July 22.
 Reel: *See*—
 Cable reel. Hose reel.
 Casting reel. Plumb-bob reel.
 Chalk-line reel. Salt-water reel.
 Clothesline reel. Trawl reel.
 Cultivator reel. Wire reel.
 Fishing reel.
 Reel. H. H. Bensema. 1,783,692; Dec. 2.
 Reel. D. C. Daubmeyer and W. H. Gross. 1,742,584; Jan. 7.
 Reel. E. J. Hubbard. 1,753,342; Apr. 8.
 Reel. P. F. Lewis. 1,772,102; Aug. 5.
 Reel. J. B. Palmer. 1,783,159; Nov. 25.
 Reel. J. V. Schafer. 1,761,750; June 3.
 Reel. I. H. Spoor. 1,764,125; June 17.
 Reel and conductor distributor, Combined cord. E. G. K. Anderson. 1,747,411; Feb. 15.
 Reel control, Tension. J. Remmen. 1,774,525; Sept. 2.
 Reel driving mechanism, Sand-. D. R. Brown. 1,744,442; Jan. 21.
 Reel for cameras and projectors. A. Weiss. 1,775,610; Sept. 9.
 Reel for electric cables and the like. C. W. Filby. 1,748,283; Feb. 25.
 Reel for electric conductors. A. E. F. Moone. 1,751,836; Mar. 25.
 Reel for electric extension cords. H. Beck and W. Hohn-dorf. 1,770,454; July 15.
 Reel for fishing rods and the like. L. Mitchell-Henry. 1,781,695; Nov. 18.
 Reel for fishing rods, Casting. A. McDougall. 1,785,488; Dec. 16.
 Reel for harvesting machines. J. H. Kunz. 1,770,077; July 8.
 Reel for strip-applying machines, Reversible. P. A. Dinsmoor. 1,780,469; Nov. 4.
 Reeling machine. L. M. Fulton. 1,747,895; Feb. 18.
 Reeling machine. J. Hollins and D. Jepson. 1,762,866; June 10.
 Reeling machine for cables. C. F. Van Hook. 1,775,707; Sept. 16.
 Reenforcement fabric. A. G. Johnson. 1,773,897; Aug. 26.
 Reenforcing construction for columns, Centering. T. H. Ockels. 1,759,626; May 20.
 Reenforcing, Flexible. G. W. Blair. 1,777,137; Sept. 30.
 Reenforcing mechanism for motor vehicles. A. de M. Barros. 1,770,122; July 8.
 Reenforcing-rod chair. J. N. Heltzel. 1,750,106; Mar. 11.
 Reenforcing unit for concrete beams. E. E. Rippstein. 1,769,465; July 1.
 Refining engine. H. Mallickh. 1,763,532; June 10.
 Refining of lead bullion. G. K. Williams. 1,774,688; Sept. 2.
 Refining system. A. G. Peterkin, jr. 1,752,455; Apr. 1.
 Reflecting and scanning apparatus. D. B. Gardner. 1,753,697; Apr. 8.
 Reflecting device. B. H. Reeves. 1,770,144; July 8.
 Reflecting device. J. C. Stimson. 1,743,834-5; Jan. 14.
 Reflecting material. H. H. Higbie. 1,767,285; June 24.
 Reflector. M. W. Caughlan. 1,756,084; Apr. 29.
 Reflector. S. A. Eskilson. 1,751,984; Mar. 25.
 Reflector. J. H. Hunt. 1,761,919; June 3.
 Reflector. W. F. Little. 1,746,399; Feb. 11.
 Reflector. H. Mayer. 1,754,960; Apr. 15.
 Reflector. E. A. Miller. 1,754,900; Apr. 15.
 Reflector. I. Wolff. 1,786,279; Dec. 23.
 Reflector, Adjustable. D. E. Beauchamp. 1,763,550; June 10.

- Reflector and mounting therefor, Signal-light. J. Vons. 1,750,947; Mar. 18.
- Reflector and shield for headlights, Auxiliary. S. F. Arbuckle. 1,768,656; July 1.
- Reflector and supporting tongues therefor. P. Kranz and A. P. Schmid. 1,763,310; June 10.
- Reflector and the like, Light. C. Tietzmann. 1,770,440; July 15.
- Reflector and traffic signal. R. J. Lackner. 1,771,099; Aug. 26.
- Reflector, Antiglare. R. Linton and W. J. Jarvis. Re17,825; Oct. 14.
- Reflector, Antiglare. R. Linton and W. J. Jarvis. 1,751,934; Mar. 25.
- Reflector, Compound. M. W. Caughlan. 1,781,436; Nov. 11.
- Reflector for automobiles. E. R. Boots, R. W. Luce and V. L. Oestnaes. 1,751,070; Mar. 18.
- Reflector for directing light. N. Lang. 1,767,144; June 24.
- Reflector for electric lamps. H. Neuwirth. Des. 82,048; Sept. 16.
- Reflector for headlights. R. Jurgenson. 1,766,647; June 24.
- Reflector for illuminating show windows, Bell-shaped. H. Hartinger. 1,759,307; May 20.
- Reflector for illuminating streets and the like. W. Bauersfeld. 1,772,745; Aug. 12.
- Reflector for incandescent lamps. P. Henningsen. 1,757,527; May 6.
- Reflector for light projectors. N. J. A. Fyrberg. 1,761,528; June 3.
- Reflector for motor vehicles, Traffic-signal. W. J. Shoemaker. 1,758,809; May 13.
- Reflector for rays emitted by a luminous source. J. L. Pech. 1,756,301; Apr. 29.
- Reflector-gasket retainer. F. L. Bamford. 1,762,150; June 10.
- Reflector, Lamp. H. H. Spertus and M. Spertus. Des. 81,671; July 22.
- Reflector, Light. L. A. Bean. 1,747,283; Feb. 18.
- Reflector protection device for arc lamps. C. S. Ashcraft. 1,743,182; Jan. 14.
- Reflector, Reversible rear-view. F. F. Linn and J. Negles. 1,755,740; Apr. 22.
- Reflector, Show-case. L. Erikson. 1,779,591; Oct. 28.
- Reflector signal. J. A. Wertz. 1,749,405; Mar. 4.
- Reflector, Table. H. P. Cline, I. Scheinberg, and J. G. Watson. 1,762,469; June 10.
- Reflector, Traffic-signal. R. W. Luce. 1,768,412; June 24.
- Reflector, Traffic-signal. V. L. Oestnaes. 1,786,958; Dec. 30.
- Reflectors, Manufacturing. C. W. Dake. 1,759,099; May 20.
- Reflectors, Producing. R. W. Luce. 1,744,907; Jan. 28.
- Reflex spring. E. Bagnall. 1,757,406; May 6.
- Refraction and dispersion, Apparatus for determining the. H. Voellmy. 1,776,712; Sept. 23.
- Refractometer for liquids. F. Pfeiffer. 1,760,209; May 27.
- Refractories, Bonding. S. J. Lubowsky. 1,774,607; Sept. 2.
- Refractory. B. M. O'Harra and E. A. Slagle. 1,747,905; Feb. 18.
- Refractory and making the same. H. C. Harrison. 1,760,133; May 27.
- Refractory article and protecting the same. R. H. Martin. Re17,661; May 13.
- Refractory block. P. G. Willetts. 1,758,903; May 13.
- Refractory composition and making refractory articles therefrom. L. J. Trostel. 1,752,867; Apr. 1.
- Refractory composition, Recrystallized. T. S. Curtis. 1,786,482; Dec. 30.
- Refractory material. A. Hasselbach. 1,744,547; Jan. 21.
- Refractory material and its manufacture. J. I. Bronn. 1,780,114; Oct. 28.
- Refractory material, Method of and apparatus for treating. E. L. Hauman. 1,750,468; Mar. 11.
- Refractory mixture. J. M. Lambie and D. W. Ross. 1,769,297; July 1.
- Refractory product. S. S. Cole. 1,763,882; June 17.
- Refractory product. H. P. Hood. 1,760,360; May 27.
- Refractory structure. F. L. Arensberg and A. J. Jackman. 1,782,023; Nov. 18.
- Refractory structure. A. F. Hall. 1,781,780; Nov. 18.
- Refractory structure and article and forming the same. F. L. Arensberg, A. J. Jackman, and C. L. Jones. 1,743,803; Jan. 14.
- Refreshment stand. W. M. James. Des. 81,193; May 20.
- Refrigerant. J. G. Davidson. 1,765,211; June 17.
- Refrigerant control. H. E. Thompson. 1,776,401; Sept. 23.
- Refrigerated agitating device. O. Larsen. 1,748,385; Feb. 25.
- Refrigerated agitating device. J. C. Scovel, jr. 1,748,401; Feb. 25.
- Refrigerated agitating device. G. E. Wallis and J. C. Scovel, jr. 1,748,320; Feb. 25.
- Refrigerated cabinet, Mechanically. J. R. Replogle. 1,780,243; Nov. 4.
- Refrigerating and heating equipment, Combination. G. E. Hulse. 1,776,910; Sept. 30.
- Refrigerating and ice-making apparatus. R. W. Davenport. 1,769,117; July 1.
- Refrigerating and ventilating apparatus. C. A. Moore. 1,777,573; Oct. 7.
- Refrigerating and water-heating units, Combination. E. B. Miller and W. H. Gabeler. 1,786,861; Dec. 30.
- Refrigerating apparatus. M. H. Ackerman. 1,773,213; Aug. 19.
- Refrigerating apparatus. A. E. Anderson, G. Maiuri, and R. F. Bossini. 1,758,099; May 13.
- Refrigerating apparatus. S. F. Anderson. 1,760,621; May 27.
- Refrigerating apparatus. G. Andresen. 1,759,534; May 20.
- Refrigerating apparatus. F. W. Andrews. 1,768,556-9; July 1.
- Refrigerating apparatus. E. L. Barnes. 1,782,189; Nov. 18.
- Refrigerating apparatus. D. W. Berlin. 1,771,837; July 29.
- Refrigerating apparatus. C. Birdseye. 1,773,081; Aug. 12.
- Refrigerating apparatus. H. P. Braeutigam. 1,774,312-13; Aug. 26.
- Refrigerating apparatus. H. T. Chamberlin. 1,768,566; July 1.
- Refrigerating apparatus. R. H. Chilton. 1,779,409; Oct. 28.
- Refrigerating apparatus. R. H. Chilton. 1,785,857; Dec. 23.
- Refrigerating apparatus. S. Claiborne. 1,768,569; July 1.
- Refrigerating apparatus. F. E. Dennison. 1,763,923; June 17.
- Refrigerating apparatus. F. E. Dennison. 1,769,916; July 8.
- Refrigerating apparatus. F. E. Dennison. 1,775,989; Sept. 16.
- Refrigerating apparatus. F. E. Dennison and W. S. Ireland. 1,771,527; July 29.
- Refrigerating apparatus. P. Farmer. 1,786,836; Dec. 30.
- Refrigerating apparatus. J. R. Fehr. 1,750,882; Mar. 18.
- Refrigerating apparatus. J. R. Fehr. 1,772,991; Aug. 12.
- Refrigerating apparatus. J. R. Fehr. 1,781,003; Nov. 11.
- Refrigerating apparatus. J. R. Fehr. 1,785,860; Dec. 23.
- Refrigerating apparatus. T. M. Gunn. 1,786,110; Dec. 23.
- Refrigerating apparatus. G. F. Hofferberth. 1,768,598; July 1.
- Refrigerating apparatus. J. F. Hoffman. 1,782,687; Nov. 25.
- Refrigerating apparatus. J. F. Hoffman. 1,782,689; Nov. 25.
- Refrigerating apparatus. W. C. Holbrook. 1,768,599; July 1.
- Refrigerating apparatus. H. B. Hull. 1,751,697; Mar. 25.
- Refrigerating apparatus. H. B. Hull. 1,759,945; May 27.
- Refrigerating apparatus. H. B. Hull. 1,761,040; June 3.
- Refrigerating apparatus. H. B. Hull. 1,768,600; July 1.
- Refrigerating apparatus. H. B. Hull. 1,768,602-3; July 1.
- Refrigerating apparatus. H. B. Hull. 1,775,492; Sept. 9.
- Refrigerating apparatus. H. B. Hull. 1,778,322; Oct. 14.
- Refrigerating apparatus. H. B. Hull. 1,779,317; Oct. 21.
- Refrigerating apparatus. H. B. Hull. 1,779,542-4; Oct. 28.
- Refrigerating apparatus. H. B. Hull. 1,780,425; Nov. 4.
- Refrigerating apparatus. H. B. Hull and C. Warner. 1,768,601; July 1.
- Refrigerating apparatus. L. M. Keighley. 1,758,227; May 13.
- Refrigerating apparatus. L. M. Keighley. 1,758,258; May 13.
- Refrigerating apparatus. L. S. Keilholtz and E. Dickey. 1,763,659; June 17.
- Refrigerating apparatus. L. S. Keilholtz and C. Warner. 1,768,606; July 1.
- Refrigerating apparatus. A. J. Kercher. 1,744,969; Jan. 28.
- Refrigerating apparatus. J. G. King. 1,744,772; Jan. 28.
- Refrigerating apparatus. J. G. King. 1,746,702; Feb. 11.
- Refrigerating apparatus. J. G. King. 1,757,316; May 6.
- Refrigerating apparatus. J. G. King. 1,758,228; May 13.
- Refrigerating apparatus. J. G. King. 1,758,259; May 13.
- Refrigerating apparatus. J. G. King. 1,761,041; June 3.
- Refrigerating apparatus. J. G. King. 1,768,609; July 1.
- Refrigerating apparatus. J. G. King. 1,768,612; July 1.
- Refrigerating apparatus. J. G. King and H. B. Hull. 1,779,097; Oct. 21.
- Refrigerating apparatus. J. G. King and O. M. Summers. 1,768,611; July 1.
- Refrigerating apparatus. W. E. Lacey. 1,768,614; July 1.
- Refrigerating apparatus. G. Muffy. 1,753,802; Apr. 8.
- Refrigerating apparatus. G. Muffy. 1,779,284; Oct. 21.
- Refrigerating apparatus. O. C. Olsen. 1,747,386; Feb. 18.
- Refrigerating apparatus. O. C. Olsen. 1,768,417; June 24.
- Refrigerating apparatus. O. C. Olsen. 1,768,625; July 1.
- Refrigerating apparatus. O. C. Olsen. 1,782,628; Nov. 25.
- Refrigerating apparatus. E. R. I. Pratt. 1,779,558; Oct. 28.
- Refrigerating apparatus. J. R. Replogle. 1,753,943; Apr. 8.
- Refrigerating apparatus. J. R. Replogle. 1,764,645; June 17.
- Refrigerating apparatus. J. R. Replogle. 1,781,193; Nov. 11.
- Refrigerating apparatus. W. H. F. Schmieding. 1,780,442; Nov. 4.
- Refrigerating apparatus. J. Schurman. 1,762,644; June 10.

- Refrigerating apparatus. S. M. Schweller. 1,760,175-6; May 27.
- Refrigerating apparatus. A. T. Stock. 1,759,962; May 27.
- Refrigerating apparatus. O. M. Summers. 1,768,642-3; July 1.
- Refrigerating apparatus. A. M. Thomson. 1,742,622; Jan. 7.
- Refrigerating apparatus. A. M. Thomson. 1,751,499; Mar. 25.
- Refrigerating apparatus. R. W. Tibbetts. 1,744,287; Jan. 21.
- Refrigerating apparatus. L. L. Torrey. 1,779,833; Oct. 28.
- Refrigerating apparatus. G. M. Troup. 1,744,816; Jan. 28.
- Refrigerating apparatus. G. M. Troup. 1,748,531; Feb. 25.
- Refrigerating apparatus. H. Wallace. 1,763,682; June 17.
- Refrigerating apparatus. C. Warner. 1,768,647; July 1.
- Refrigerating apparatus. E. T. Williams. Re17,635; Apr. 1.
- Refrigerating apparatus. W. Wishart. 1,758,243; May 13.
- Refrigerating apparatus. N. B. Wolcott. 1,748,434; Feb. 25.
- Refrigerating apparatus, Absorber. E. S. Halsey. 1,779,211; Oct. 21.
- Refrigerating apparatus, Absorption. E. E. Allyne. 1,762,147; June 10.
- Refrigerating apparatus and method. J. W. Martin, jr. 1,752,015; Mar. 25.
- Refrigerating apparatus and method. J. W. Martin, jr. 1,752,276; Mar. 25.
- Refrigerating apparatus and method. L. F. Whitney. 1,761,762; June 3.
- Refrigerating apparatus and system. B. C. Shipman. 1,775,296; Sept. 9.
- Refrigerating apparatus, Continuous absorption. R. F. Bossini and G. Maiuri. 1,758,215; May 13.
- Refrigerating apparatus, Mounting for. W. Wishart. 1,744,090; Jan. 21.
- Refrigerating composition. O. Hannach. 1,786,842; Dec. 30.
- Refrigerating device. J. Grison. 1,764,299; June 17.
- Refrigerating, heating, and ventilating apparatus for cars. G. R. Shirk and J. V. Mohler. 1,747,683; Feb. 18.
- Refrigerating ice-cream-cone dispenser. V. A. Pendleton. 1,745,556; Feb. 4.
- Refrigerating machine. J. H. Brown. 1,748,669; Feb. 25.
- Refrigerating machine. R. F. Follain. 1,783,464; Dec. 2.
- Refrigerating machine. R. M. Hvid. 1,772,667; Aug. 12.
- Refrigerating machine. C. Steenstrup. 1,755,084; Apr. 15.
- Refrigerating machine. C. Steenstrup. 1,765,289; June 17.
- Refrigerating machine, Absorption. G. Ferguson. 1,756,148; Apr. 29.
- Refrigerating machine, Absorption. G. Ferguson. 1,770,607; July 15.
- Refrigerating machine, Absorption. A. J. E. Munters. 1,761,839; June 3.
- Refrigerating machine, Electrically-actuated. E. Rüegger. 1,781,082; Nov. 11.
- Refrigerating machines, Boiler absorber for. S. Otto and L. Reichert. 1,764,051; June 17.
- Refrigerating machines of the flooded type, Evaporator for. A. J. Kusel and G. W. Gail. 1,743,896; Jan. 14.
- Refrigerating mechanism. H. A. Brysselbout. 1,785,576; Dec. 16.
- Refrigerating mechanism. T. J. Little, jr. 1,753,797; Apr. 8.
- Refrigerating medium. H. Mannhardt. 1,778,033; Oct. 14.
- Refrigerating plant. I. Amundsen. 1,776,744-5; Sept. 23.
- Refrigerating process and apparatus. R. W. Davenport. 1,769,017; July 1.
- Refrigerating process and apparatus. R. W. Davenport. 1,769,113; July 1.
- Refrigerating process and apparatus. G. T. Voorhees. 1,762,369; June 10.
- Refrigerating system. P. W. Des Roches. 1,779,033; Oct. 21.
- Refrigerating system. T. M. Gunn. 1,760,195; May 27.
- Refrigerating system. J. F. Hoffman. 1,782,651; Nov. 25.
- Refrigerating system. J. F. Hoffman. 1,782,688; Nov. 25.
- Refrigerating system. F. B. Hunt. 1,746,896; Feb. 11.
- Refrigerating system. G. Richards. 1,776,451; Sept. 23.
- Refrigerating system. A. F. Sawyer. 1,746,406; Feb. 11.
- Refrigerating system. A. C. Schickler. 1,754,967; Apr. 15.
- Refrigerating system. H. R. Van Deventer. 1,763,281; June 10.
- Refrigerating system. E. A. Weaver. 1,761,551; June 3.
- Refrigerating system. S. C. Williams. 1,774,820; Sept. 2.
- Refrigerating system and method. J. W. Martin, jr. 1,780,147; Oct. 28.
- Refrigerating system, Multiple. T. I. Potter. 1,786,222; Dec. 23.
- Refrigerating systems, Controlling device for. C. C. Hansen. 1,757,044; May 6.
- Refrigerating tank and ice-cream freezer, Combined. A. F. Sawyer. 1,767,857; June 24.
- Refrigerating unit. L. G. Copeman. 1,744,038; Jan. 21.
- Refrigerating unit. H. Mock. 1,758,008; May 13.
- Refrigerating unit of fired ceramic material. L. G. Copeman. 1,781,778; Nov. 18.
- Refrigeration. J. J. Brown. 1,781,536; Nov. 11.
- Refrigeration. S. C. Carney. 1,755,810; Apr. 22.
- Refrigeration. W. H. Carrier. 1,781,051; Nov. 11.
- Refrigeration. B. H. Coffey. 1,758,501; May 13.
- Refrigeration. B. H. Coffey. 1,765,656-7; June 24.
- Refrigeration. A. Einstein and L. Szilard. 1,781,541; Nov. 11.
- Refrigeration. D. B. Knight. 1,748,957; Mar. 4.
- Refrigeration. A. Lenning. 1,757,254; May 6.
- Refrigeration. A. Lenning. 1,757,578; May 6.
- Refrigeration. T. J. Little, jr. 1,753,796; Apr. 8.
- Refrigeration. C. G. Munters. 1,780,272; Nov. 4.
- Refrigeration. C. G. Munters. 1,785,700; Dec. 16.
- Refrigeration. F. D. Peltier. 1,760,168; May 27.
- Refrigeration. C. C. Spreen. 1,764,702; June 17.
- Refrigeration. C. C. Spreen. 1,764,762; June 17.
- Refrigeration. C. C. Spreen. 1,764,838; June 17.
- Refrigeration. C. C. Spreen. 1,782,105; Nov. 18.
- Refrigeration. B. C. von Platen. 1,748,155; Feb. 25.
- Refrigeration. L. F. Whitney. 1,761,606; June 3.
- Refrigeration apparatus. W. A. Inman and A. L. Brumund. 1,765,674; June 24.
- Refrigeration apparatus, Air-cooled. J. R. Replogle. 1,753,944; Apr. 8.
- Refrigeration, Apparatus for. C. E. Molesworth, J. Duden, and C. G. Zokelt. 1,750,763; Mar. 18.
- Refrigeration, Apparatus for and method of. C. A. Kohl. 1,764,267; June 17.
- Refrigeration apparatus, Intermittent-absorption-. C. E. Lundberg. 1,779,070; Oct. 21.
- Refrigeration apparatus, One-way heat interchanger for cooling units of. D. F. Keith. 1,744,968; Jan. 28.
- Refrigeration coil. C. M. Brenner. 1,753,042; Apr. 1.
- Refrigeration, Mechanical. H. F. Freeman. 1,764,784; June 17.
- Refrigeration, Mechanical. C. C. Spreen. 1,757,062; May 6.
- Refrigeration, Mechanical. C. C. Spreen. 1,764,652-3; June 17.
- Refrigeration mechanism, Control for. T. J. Little, jr. 1,785,699; Dec. 16.
- Refrigeration method and apparatus. L. U. Larkin. 1,776,235; Sept. 16.
- Refrigeration, Process and apparatus for producing. R. W. Davenport. 1,769,114; July 1.
- Refrigeration unit. F. E. Dennison. 1,778,825; Oct. 21.
- Refrigerator. G. S. Baraille. 1,786,817; Dec. 30.
- Refrigerator. G. C. Bohn. 1,746,517; Feb. 11.
- Refrigerator. G. F. Butler and E. Frome. 1,777,714; Oct. 7.
- Refrigerator. L. G. Copeman. 1,777,787; Oct. 7.
- Refrigerator. J. D. Craft. 1,748,670; Feb. 25.
- Refrigerator. R. E. Franklin. 1,782,720; Nov. 25.
- Refrigerator. A. A. Kucher. 1,751,209; Mar. 18.
- Refrigerator. H. E. Larsen. 1,781,758; Nov. 18.
- Refrigerator. T. J. Little, jr. 1,759,513; May 20.
- Refrigerator. R. E. Ottenheimer. Des. 81,907; Aug. 26.
- Refrigerator. A. V. Pankey. Re17,872; Nov. 18.
- Refrigerator. M. Resek. 1,763,673; June 17.
- Refrigerator. F. H. Ryder. 1,757,390-1; May 6.
- Refrigerator. J. G. Scott. Des. 82,706; Dec. 2.
- Refrigerator. J. C. Staton. Des. 80,641; Mar. 4.
- Refrigerator. M. C. Terry. 1,786,370; Dec. 23.
- Refrigerator and dispensing device, Combined. G. R. Webber. 1,771,199; July 22.
- Refrigerator and ice-cream cabinet, Combined. C. G. Juneau and W. C. Marshall. 1,749,484; Mar. 4.
- Refrigerator and maintaining vacuum therein, Vacuum. J. O. Carrey. 1,747,969; Feb. 18.
- Refrigerator and the like. H. H. Hillman. 1,748,570; Feb. 25.
- Refrigerator attachment. N. Stefanide. 1,765,290; June 17.
- Refrigerator box. J. C. Jankus. 1,748,716; Feb. 25.
- Refrigerator-car construction. C. A. Richardson. 1,744,839; Jan. 28.
- Refrigerator control. G. Muffly. 1,787,209; Dec. 30.
- Refrigerator, Dispensing. F. S. Hayes. 1,785,954; Dec. 23.
- Refrigerator-display-case construction. V. P. Warren. 1,782,523; Nov. 25.
- Refrigerator for moving vehicles. C. D. Koch. 1,770,276; July 8.
- Refrigerator, Ice-cream. C. L. Bastian. 1,743,651; Jan. 14.
- Refrigerator lining. G. R. Meyercord. 1,742,923; Jan. 7.
- Refrigerator lining. H. L. Pope. 1,764,643; June 17.
- Refrigerator lock. J. S. Dworsky. Des. 82,318; Oct. 21.
- Refrigerator manufacture. L. G. Copeman. 1,757,450; May 6.
- Refrigerator, Mechanical. R. W. Davenport. 1,769,118; July 1.
- Refrigerator of the absorbent type, Intermittently-working. L. H. Reebing. 1,774,669; Sept. 2.
- Refrigerator, Portable. E. A. Florang. 1,757,520; May 6.
- Refrigerator, Show case. F. C. Becker. 1,755,384; Apr. 22.
- Refrigerator show case. J. E. Gloekler. 1,776,789; Sept. 30.
- Refrigerator stand. W. M. Sample. Des. 82,058; Sept. 16.
- Refrigerator structure and making the same. G. R. Meyercord. 1,786,078; Dec. 23.
- Refrigerator unit. E. B. Mallory. Des. 81,140-2; May 13.
- Refrigerator unit. E. B. Mallory. Des. 82,335-6; Oct. 21.

Refrigerator unit. E. B. Mallory. Des. 82,438-9; Nov. 4.
 Refrigerators, Ice-cream attachment for mechanical. W. de M. Guy. 1,778,188; Oct. 14.
 Refrigerators, Sanitation of. G. C. Bacon. 1,787,231; Dec. 30.
 Refrigerators, Serving element for electric. H. Mock. 1,771,186; July 22.
 Refuse-disposal apparatus. P. A. Moessmer. 1,773,236; Aug. 19.
 Refuse-handling apparatus. K. Hirschner. 1,752,950; Apr. 1.
 Refuse, Method and apparatus for disposing of. P. S. Knittel. 1,772,285; Aug. 5.
 Refuse, Storing and removing. F. B. Allen. 1,785,539; Dec. 16.
 Refuse-treating apparatus. G. A. Boze. 1,766,325; June 24.
 Regenerative furnace, Open-hearth. J. O. Griggs. 1,785,549; Dec. 16.
 Regenerator, Heat. M. Martinka. 1,776,162; Sept. 16.
 Register: See—
 Air register. Heater register.
 Autographic register. Heating register.
 Cash register. Lubrication register.
 Cash-fare register. Manifolding register.
 Call register. Penny multiple register.
 Code register. Till and cash register.
 Credit register. Traffic register.
 Fare register. Typewriter word register.
 Register. C. A. Besch. 1,754,847; Apr. 15.
 Register attachment, Cash-. A. Block. 1,761,557; June 3.
 Register attachment for autographic registers, Summary. F. L. Cottringer. 1,770,733; July 15.
 Register detector. J. R. Blaine. 1,746,632; Feb. 11.
 Register for airplanes, Elapsed-time. C. C. Brant. 1,785,724; Dec. 16.
 Register for fuel burners, Double-ported. E. H. Peabody. 1,754,433; Apr. 15.
 Register flash mechanism. A. S. Wheelbarger. 1,762,904; June 10.
 Register lock. J. V. Petrelli. 1,749,778; Mar. 11.
 Registering and checking apparatus. T. J. and J. W. Bell. 1,748,826; Feb. 25.
 Registering and printing device. H. L. Boyer. 1,746,516; Feb. 11.
 Registering apparatus. S. D. McKellen. 1,757,324; May 6.
 Registering device. W. A. Lamb. 1,755,995; Apr. 22.
 Registering-device-actuating means. F. H. Borm. 1,750,456; Mar. 11.
 Registering device for sponges and the like. J. H. Burnett. 1,779,874; Oct. 28.
 Registering mechanism. W. T. Hatmaker and E. E. Eickmeyer. 1,748,344; Feb. 25.
 Registering mechanism. J. Magnusson and C. R. Fredsell. 1,743,018; Jan. 7.
 Registering mechanism. J. W. Ogden. 1,758,461; May 13.
 Registers, Coin-controlled drive for fare. H. E. Trojahn. 1,781,353; Nov. 11.
 Registers, Elastic drive for cash. W. H. Robertson. 1,753,479; Apr. 8.
 Registers, Feed mechanism for autographic. L. F. Hagemann. 1,776,899; Sept. 30.
 Registers, Strip feed for autographic. L. F. Hagemann. 1,776,900; Sept. 30.
 Registers, Zero-key mechanism for key-set. E. F. Britten, jr. 1,750,565; Mar. 11.
 Regulating apparatus. E. J. Blake. 1,750,157; Mar. 11.
 Regulating apparatus. J. N. Helpbringer. 1,743,545; Jan. 14.
 Regulating apparatus. C. M. Terry. 1,753,728; Apr. 8.
 Regulating apparatus. L. W. Thompson. 1,743,737; Jan. 14.
 Regulating device. A. Bargeboer. 1,753,678; Apr. 8.
 Regulating device. F. W. Hild. 1,745,094; Jan. 28.
 Regulating device. G. F. Machlet. 1,763,666; June 17.
 Regulating device, Automatic. R. Bernat. 1,746,184; Feb. 4.
 Regulating mechanism. J. D. Spillane. 1,773,884; Aug. 26.
 Regulating system. H. Bany and G. R. McDonald. 1,760,537; May 27.
 Regulating system. E. H. Hall. 1,776,151; Sept. 16.
 Regulating system. C. A. Martin. 1,775,682; Sept. 16.
 Regulating system. G. R. McDonald. 1,786,311; Dec. 23.
 Regulating system. V. M. Montsinger. 1,756,875; Apr. 29.
 Regulating system. R. H. Park. 1,775,536; Sept. 9.
 Regulating system. H. T. Seeley. 1,782,514; Nov. 25.
 Regulating system. J. A. Spencer. 1,763,107; June 10.
 Regulating system for variable-speed dynamo-electric machines. A. E. Doman. 1,777,963; Oct. 7.
 Regulating system, Frequency-. H. Chireix. 1,782,807; Nov. 25.
 Regulator: See—
 Automatic regulator. Gas regulator.
 Circuit regulator. Heat regulator.
 Consistency regulator. Liquid-flow regulator.
 Draft regulator. Oil-temperature regulator.
 Electrical regulator. Oxygen regulator.
 Engine draft regulator. Power-factor regulator.
 Feed-water regulator. Pressure-operated regulator.
 Fluid-pressure regulator. Pressure regulator.
 Fuel regulator. Pump regulator.
 Gas-pressure regulator.

Regulator: See—
 Speed regulator. Viscosity regulator.
 Stock regulator. Voltage regulator.
 Superheat regulator. Volume regulator.
 Temperature regulator. Water regulator.
 Tension regulator. Water-supply regulator.
 Thermostatic regulator. Windmill regulator.
 Tonnage regulator. Window regulator.
 Vacuum flow regulator. Windshield regulator.
 Vibration regulator.
 Regulator. J. Harris. 1,768,904; July 1.
 Regulator. B. M. Leece. 1,767,180; June 24.
 Regulator. G. F. Machlet. 1,758,450; May 13.
 Regulator. K. S. McEntire. 1,772,838; Aug. 12.
 Regulator. F. W. Meyer. 1,746,670; Feb. 11.
 Regulator. L. M. Persons. 1,746,674; Feb. 11.
 Regulator. P. S. Russel. 1,786,402; Dec. 23.
 Regulator. C. H. Smoot. 1,772,403; Aug. 5.
 Regulator. C. H. Smoot. 1,772,920; Aug. 12.
 Regulator. C. H. Smoot. 1,782,832; Nov. 25.
 Regulator. S. A. Staeger. 1,764,362; June 17.
 Regulator. L. W. Thompson. 1,785,566; Dec. 16.
 Regulator for air-service apparatus, Pressure. A. M. Baird. 1,751,970; Mar. 25.
 Regulator for automobile radiators, Draft. V. W. Hope. 1,770,926; July 22.
 Regulator for brake rigging. W. H. Sauvage. 1,764,228; June 17.
 Regulator for brake rigging. W. H. Sauvage. 1,767,403; June 24.
 Regulator for centrifuges, Liquid-flow. B. R. Wright. 1,784,953; Dec. 16.
 Regulator for clock movements. W. J. Large and J. O. Simpson. 1,785,267; Dec. 16.
 Regulator for controlling fluid pressure in submerged machines. H. Sauveur. 1,753,625; Apr. 8.
 Regulator for furnaces, Draft. W. Stübner. 1,771,068; July 22.
 Regulator for gas machines, Automatic air-pressure. A. L. Cihak. 1,769,204; July 1.
 Regulator for hot-air furnaces. F. C. Noll. 1,751,944; Mar. 25.
 Regulator for hot-water heaters. J. H. Grininger. 1,778,361; Oct. 14.
 Regulator for internal-combustion engine fuel mixers, Automatic. M. F. Duffy. 1,759,153; May 20.
 Regulator for power-factor improving apparatus, Automatic. V. F. Spigai. 1,755,491; Apr. 22.
 Regulator for pumps, Pressure. F. A. Hanson and F. H. Lewis. 1,774,001; Aug. 26.
 Regulator for sequence-picture makers, Overlap. R. Hughershoff. 1,773,309; Aug. 19.
 Regulator for windows and doors. E. Sodergren. 1,751,718; Mar. 25.
 Regulator handle or the like for an automotive vehicle. Window. W. H. Hollindale. Des. 80,840; Apr. 1.
 Regulator system. J. H. Ashbaugh. 1,746,756; Feb. 11.
 Regulator system. J. H. Ashbaugh. 1,751,225; Mar. 18.
 Regulator system. J. H. Ashbaugh. 1,764,382; June 17.
 Regulator system. R. C. Bergvall. 1,743,096; Jan. 14.
 Regulator system. R. C. Bergvall and J. H. Ashbaugh. 1,746,630; Feb. 11.
 Regulator system. M. E. Krom. 1,763,057; June 10.
 Regulator system. E. C. Manderfeld. 1,762,999; June 10.
 Regulator system. L. J. Stacy, Caldwell, and M. E. Krom. 1,763,014; June 10.
 Regulator system. S. A. Staeger. 1,743,246; Jan. 14.
 Regulator system. S. A. Staeger. 1,746,618; Feb. 11.
 Regulator system. S. A. Staeger. 1,763,199; June 10.
 Regulator system. S. A. Staeger. 1,763,272; June 10.
 Regulator system. H. M. Stoller. 1,763,017; June 10.
 Regulator system. H. M. Stoller and G. C. Porter. 1,756,573; Apr. 29.
 Regulator system, Load-balancing. J. H. Ashbaugh. 1,746,757; Feb. 11.
 Reheater. A. Huet. 1,759,011; May 20.
 Reheater, Condensate. P. A. Bancel. 1,773,803; Aug. 26.
 Reknitting apparatus. A. C. Parlini. 1,779,248; Oct. 21.
 Relay. W. Brandt. 1,769,674; July 1.
 Relay. L. N. Crichton. 1,749,566; Mar. 4.
 Relay. S. M. Day. 1,766,611; June 24.
 Relay. J. R. Fry. 1,778,894; Oct. 21.
 Relay. A. F. Meyer. 1,768,918; July 1.
 Relay. C. Morrison. 1,765,497; June 24.
 Relay. E. J. Pratt. 1,778,401; Oct. 14.
 Relay. C. F. Quick and G. W. Tamsitt. 1,742,875; Jan. 7.
 Relay. M. Schleicher and P. Cario. 1,782,100; Nov. 18.
 Relay, Alternating-current. S. L. Goldsborough. 1,783,568; Dec. 2.
 Relay, Alternating-current. J. F. Merkel. 1,766,665; June 24.
 Relay, Alternating-current. V. P. Thorp. 1,753,256; Apr. 8.
 Relay and circuit breaker, Overload. C. Horsley and E. R. Goldfield. 1,775,858; Sept. 16.
 Relay cut-out for generators, Safety. J. C. Cronkwhite. 1,770,844; July 15.
 Relay, Direct-current. J. V. Breisky. 1,755,766; Apr. 22.
 Relay distributing system, Radio. E. E. Clement. 1,777,690; Oct. 7.
 Relay, Electric. T. W. Ross. 1,763,258; June 10.
 Relay, Electrical. H. E. Ashworth and B. Lazich. 1,750,658; Mar. 18.

- Relay, Electrical. P. N. Bossart. 1,753,689; Apr. 8.
 Relay, Electrical. W. W. Edson. 1,772,479; Aug. 12.
 Relay, Electrical. W. K. Lockhart and T. J. O'Meara. 1,771,577; July 29.
 Relay, Electrical. D. R. Lovejoy. 1,747,309; Feb. 18.
 Relay, Electrical. N. C. Shaw. 1,770,673; July 15.
 Relay, Electrical. P. P. Sosinski. 1,753,726; Apr. 8.
 Relay, Electrically-operated. A. D. Cardwell. 1,742,847; Jan. 7.
 Relay, Electromagnetic. J. Erickson. 1,779,423; Oct. 28.
 Relay, Electromagnetic. C. L. Hanel. 1,748,219; Feb. 25.
 Relay, Electromagnetic. W. H. Petersen. 1,776,927; Sept. 30.
 Relay, Electron-tube. M. Vos. 1,771,021; July 22.
 Relay, Electropolarized. O. R. Miller and E. D. Mead. 1,763,172; June 10.
 Relay equipment, Voice-operated. H. Nyquist. 1,749,841; Mar. 11.
 Relay especially for ignition circuits, Electric single-stroke. E. von Lepel. 1,776,172; Sept. 16.
 Relay for pneumatic-tube systems, Single-selector. W. V. McGuinness. 1,784,967; Dec. 16.
 Relay mechanism, Fluid-pressure. R. C. Allen. 1,777,458; Oct. 7.
 Relay mechanism, Meter-controlled. R. P. Brown. 1,785,761; Dec. 23.
 Relay, Mercury. A. S. FitzGerald. 1,773,036; Aug. 12.
 Relay-mounting means. J. E. Willing. 1,766,577; June 24.
 Relay-operating mechanism. R. C. Leake. 1,748,917; Feb. 25.
 Relay-operating mechanism. R. C. Leake. 1,766,658; June 24.
 Relay, Polar neutral. O. S. Field. 1,749,331; Mar. 4.
 Relay, Protective. H. E. White. 1,783,552; Dec. 2.
 Relay protective system. O. S. Jennings. 1,750,268; Mar. 11.
 Relay, Retarded gradual acting differential. M. O. Snediker. 1,771,821; July 29.
 Relay, Selective. F. Kesselring. 1,759,792; May 20.
 Relay system. S. L. Goldsborough. 1,749,531-2; Mar. 4.
 Relay system. F. Hirt. 1,751,330; Mar. 18.
 Relay system. N. C. Shaw. 1,758,540; May 13.
 Relay system. J. Stoecklin and A. Roth. 1,745,386; Feb. 4.
 Relay system, Paralleling. P. E. Thomas. 1,786,792; Dec. 30.
 Relay system, Switching. R. T. Cloud. 1,751,978; Mar. 25.
 Relay-testing apparatus. H. P. Sleeper. 1,763,195; June 10.
 Relay, Thermal. E. M. Claytor. 1,765,305; June 17.
 Relay, Thermal. A. Press. 1,757,589; May 6.
 Relay, Thermal. H. E. White. 1,763,284; June 10.
 Relay, Thermal. H. E. White. 1,764,374-5; June 17.
 Relay, Thermal overload. H. L. Van Valkenburg. 1,752,514; Apr. 1.
 Relay, Thermal overload. H. L. Van Valkenburg. 1,755,231; Apr. 22.
 Relay, Time-limit. E. Schnetzler. 1,746,287; Feb. 11.
 Relay, Voltage. W. E. Trumpler. 1,745,878; Feb. 4.
 Release, Automatic. F. Clark. 1,775,810; Sept. 16.
 Release device. D. Mapes. 1,775,649-50; Sept. 16.
 Release or bleeder cocks of air brakes, Device for automatically closing the air. R. B. Wheeler and W. P. Crites. 1,772,651; Aug. 12.
 Release spear, Automatic. W. J. Miller. 1,776,737; Sept. 23.
 Releasing coupling. F. W. Reimold. 1,754,048; Apr. 8.
 Relieving machine. C. G. Olsson. 1,778,769; Oct. 21.
 Relieving resistance and propelling flying, swimming, and other moving bodies, Device for. J. Maier-Behring. 1,748,697; Feb. 25.
 Reminder, Automatic. L. Y. Lassiter. 1,759,409; May 20.
 Remote control means for cranes. D. S. Morrow. 1,765,173; June 17.
 Remote-control switch. T. F. Bludworth. 1,766,372; June 24.
 Remote control switch. G. W. O'Keeffe. 1,769,540; July 1.
 Remote-control system. W. H. T. Holden. 1,778,077; Oct. 14.
 Remote-control system for electric circuits. T. F. Bludworth and I. S. Bobrovsky. 1,766,371; June 24.
 Remote-control system, Selective. H. J. Murray. 1,767,609; June 24.
 Removing, purifying, and recovering oil from tin plate. J. H. Holden, T. O'Brien, J. C. Whetzel and R. E. Zimmerman. 1,763,430; June 10.
 Rendering process. S. Hiller. 1,760,059; May 27.
 Rendering process. W. Laabs. 1,761,480; June 3.
 Renovating and oxygenizing device. A. N. Spanel. 1,748,087; Feb. 25.
 Repair instrument. T. H. Forehand. 1,766,333; June 24.
 Repair stand, Radiator. S. C. Smith. 1,769,653; July 1.
 Repairing damaged spots in fabrics. S. J. Roozendaal. 1,765,098; June 17.
 Repeater. F. B. Philbrick. 1,779,711; Oct. 28.
 Repeater system. G. Crisson. 1,776,311; Sept. 32.
 Replacer or rerailer. W. Gakle. 1,742,467; Jan. 7.
 Reporting machine. R. J. Speir. 1,770,326; July 8.
 Reproducer. E. W. Kellogg. 1,783,044; Nov. 25.
 Reproducer arm. A. N. Goldsmith. 1,760,306; May 27.
 Reproducer, Capacity. P. E. Edelman. 1,767,657; June 24.
 Reproducing apparatus. W. C. Jones. 1,746,730; Feb. 11.
 Reproducing apparatus. C. Krebs. 1,777,497; Oct. 7.
 Reproducing apparatus. L. G. Vachon, G. M. McCarthy, and L. J. Ewing. 1,770,537; July 15.
 Reproducing by stamping, Process and apparatus for. E. O. Lanham. 1,780,560; Nov. 4.
 Reproducing device. J. S. High. 1,765,586; June 24.
 Reproducing device. J. S. High. 1,782,781; Nov. 25.
 Reproducing device. W. T. Plum, jr. 1,760,085; May 27.
 Reproducing device. E. G. Seibert. 1,781,605; Nov. 11.
 Reproducing mechanism. C. Krebs. 1,759,857; May 27.
 Reproducing mechanism. C. Krebs. 1,763,793; June 17.
 Reproducing position. E. J. Murphy. 1,743,794; Jan. 14.
 Reproducing process. B. P. Scott. 1,784,913; Dec. 16.
 Reproductions of images projected from a microscope, Apparatus for use in making graphic. J. F. Marshall. 1,786,543; Dec. 30.
 Rerailing device. O. E. M. Lopez. 1,755,510; Apr. 22.
 Rerailing device. A. T. Sexe. 1,787,329; Dec. 30.
 Rescue appliance for submarines. J. L. McKay. 1,746,547; Feb. 11.
 Rescue tank. H. E. Grieshaber. 1,772,460; Aug. 12.
 Reservoir double boiler, Automatic. G. B. Keplinger. 1,746,261; Feb. 11.
 Reservoir for petrol fuels and the like, Hydropneumatic. M. Baccich and C. De-Filippi. 1,759,727; May 20.
 Reservoirs in desert countries, Building storage. C. H. Spencer. Re17,770; Aug. 12.
 Resetting mechanism for weeders, Automatic. C. L. Key. 1,775,244; Sept. 9.
 Residues, Reclaiming. A. E. Becker and R. G. Sloane. 1,785,242; Dec. 16.
 Resilient bench. O. C. Compin. 1,773,170; Aug. 19.
 Resilient coupling. H. S. Powell. 1,772,495; Aug. 12.
 Resilient fabric. R. C. Fagan. 1,762,389; June 10.
 Resilient seat. C. E. Horsley and T. A. Sailor. 1,774,555; Sept. 2.
 Resilient wheel. R. B. Bishton. 1,767,572; June 24.
 Resilient wheel. S. C. Hatfield. 1,787,071; Dec. 30.
 Resilient wheel. H. A. Howson. 1,750,614; Mar. 11.
 Resilient wheel. L. P. Miller. 1,753,527; Apr. 8.
 Resilient wheel. J. J. Novak. 1,778,463; Oct. 14.
 Resilient wheel. G. Orbin. 1,753,131; Apr. 1.
 Resin and article made thereby, Uniting parts of artificial. J. K. Wirth. 1,747,964; Feb. 18.
 Resin and making same, Aniline-sulphur. R. S. Bly. 1,761,291; June 3.
 Resin and making same, Oxidized. A. S. Ramage. 1,752,693; Apr. 1.
 Resin and making same, Phthalic-urea. B. N. Lougovoy. 1,756,251; Apr. 29.
 Resin and making same, White. B. N. Lougovoy. 1,779,551; Oct. 28.
 Resin and making the same, Soluble and fusible synthetic. W. H. Moss. 1,743,680; Jan. 14.
 Resin composition and making same, Furfural. Carleton Ellis. 1,771,033; July 22.
 Resin esters, Composition of matter comprising. H. M. Weber. 1,757,104; May 6.
 Resin esters, Producing. Alan C. Johnston. 1,771,044; July 22.
 Resin from coal, Extraction of. W. D. Green. 1,773,997; Aug. 26.
 Resin from the semifluid resinous matter extracted from crude gutta percha and/or balata, Manufacture of a solid. A. B. Craven. 1,751,724; Mar. 25.
 Resin manufacture, Synthetic. E. E. Novotny. 1,773,598; Aug. 19.
 Resin, Manufacturing colorless and transparent phenol. M. Nakamura. 1,775,135; Sept. 9.
 Resin plasticizer. H. A. Bruson. 1,783,166; Nov. 25.
 Resinous composition and making same. T. F. Bradley. 1,785,930; Dec. 23.
 Resinous condensation product. A. H. V. Durr. Re17,878; Nov. 25.
 Resinous condensation product from lignin and furfural. M. Phillips. 1,750,903; Mar. 18.
 Resinous condensation product, Solid. W. O. Herrmann and H. Deutsch. 1,767,759; June 24.
 Resinous product, shellac substitute, etc., and making same. C. Ellis and J. V. Meigs. 1,756,819; Apr. 29.
 Resins and rubber in aqueous dispersion and making the same, Composition of matter comprising. A. Biddle. 1,762,152; June 10.
 Resins, Making. J. C. Morrell and G. Egloff. 1,744,135; Jan. 21.
 Resins, Making substantially anhydrous finely-divided synthetic. E. E. Novotny. 1,771,139-40; July 22.
 Resins, Making synthetic. E. E. Novotny. 1,771,508; July 29.
 Resins, Manufacture of phenolic. N. Strafford and E. V. Walker. 1,776,202-03; Sept. 16.
 Resins, Preparing coumarone-indene. R. W. Ostermayer. 1,770,281-3; July 8.
 Resins, Producing. J. C. Morrell and G. Egloff. 1,766,927; June 24.
 Resistance. J. Geloso. 1,763,772; June 17.
 Resistance box. E. Bandoly. 1,781,802; Nov. 18.
 Resistance device. O. F. Masin. 1,744,911; Jan. 28.
 Resistance device, Hydraulic. E. W. Ackerman and G. C. Nicholson. 1,775,840; Sept. 16.
 Resistance element, Making a. S. Ruben. 1,747,649; Feb. 18.
 Resistance of ground connections, Measuring. J. W. Milnor. 1,775,686; Sept. 16.
 Resistance plate. J. Slepian. 1,763,267; June 10.

- Resistance strip. N. C. Schellenger. 1,771,236; July 22.
Resistance unit. F. H. Bullinger. 1,759,184; May 20.
Resistance unit. G. J. Mucher. 1,776,191; Sept. 16.
Resistance unit, Variable. B. W. David. 1,751,231; Mar. 18.
Resistance units, Preparing. L. O. Grondahl. 1,784,435; Dec. 9.
Resistant material. F. A. McDermott and F. J. Funk. 1,779,258; Oct. 21.
Resistor. T. C. Browne. 1,749,661-2; Mar. 4.
Resistor and making same. S. Loewe. 1,756,368; Apr. 29.
Resistor and support therefor. D. L. Summey. 1,774,852; Sept. 2.
Resistor grid. F. T. Cope. 1,767,171; June 24.
Resistor grid and supporting same. F. T. Cope. 1,767,172; June 24.
Resistor material and making same. J. Slepian. 1,763,268; June 10.
Resistor material and making the same. M. H. Hunt. 1,764,311; June 17.
Resonator. W. Zauner. 1,778,304; Oct. 14.
Resorcinol, Recovering. I. Gubelmann and C. O. Henke. 1,762,979; June 10.
Resorcinols, Production of acyl. A. R. L. Dohme. 1,750,299; Mar. 11.
Rest, Collapsible. B. R. Dexter. 1,762,217; June 10.
Rest for electric irons. C. D. Andrea. 1,774,541; Sept. 2.
Rest for veneer lathes, Steady. E. H. Merritt. 1,776,662; Sept. 23.
Resuscitator. D. N. Lambert. 1,786,350; Dec. 23.
Retainer. B. S. Moore. 1,742,271; Jan. 7.
Retainer. H. F. Shedd. 1,775,374; Sept. 9.
Retainer for sliced bread. O. F. Rohwedder. 1,759,592; May 20.
Retaining device. J. Aiken. 1,779,868; Oct. 28.
Retaining device. C. H. Behnke. 1,762,757; June 10.
Retaining device. S. O. Taylor. 1,768,720; July 1.
Retard gauge. O. W. Heise. 1,781,814; Nov. 18.
Retarding device. O. A. Krenke. 1,769,926; July 8.
Retarding device for persons escaping from submerged vessel. R. A. Taylor. 1,751,896; Mar. 25.
Retort. L. S. Chadwick and M. Resek. 1,763,687; June 17.
Retort. L. G. Nilson. 1,742,273; Jan. 7.
Retort. W. F. Rieger. 1,763,442; June 10.
Retort. W. F. Rieger. 1,763,539; June 10.
Retort. J. N. Vandegrift. 1,758,770; May 13.
Retort, Apparatus and method of charging a. J. van Ackeren. 1,785,751; Dec. 23.
Retort burner for self-heating sadirons. C. E. Adamson. 1,758,345; May 13.
Retort, Coking. H. Teater. 1,758,183; May 13.
Retort for distilling oil shale and the like. M. R. Kraul. 1,766,132; June 24.
Retort furnace. C. V. McIntire. 1,757,644; May 6.
Retort, kiln, or drum, Rotary. G. Cantieny. 1,751,127; Mar. 18.
Retort, Rotary. W. R. Hume. 1,748,178; Feb. 25.
Retort structure. E. G. Blackwell. 1,756,170; Apr. 29.
Retort with crossovers, Vertical. J. Becker. 1,779,958; Oct. 28.
Retort with quenching device and method for same, Coke. J. Becker. 1,785,760; Dec. 23.
Retorts, Charging vertical. J. van Ackeren. 1,785,749; Dec. 23.
Retouching device. P. F. Boyd. 1,753,876; Apr. 8.
Retractor. D. C. Straus. 1,747,799; Feb. 18.
Retrograde movement, Device to prevent. W. Lavery. 1,749,638; Mar. 4.
Return apparatus. W. Ehrhart. 1,752,979; Apr. 1.
Return bend. F. C. Fantz. 1,752,331; Apr. 1.
Return bend. V. T. Hohaus. 1,777,753; Oct. 7.
Return block. W. Dubervill. 1,768,894; July 1.
Reverberatory furnace. F. F. Lines. 1,763,471; June 10.
Reverse control mechanism, Automobile. C. L. Drew. 1,766,114; June 24.
Reversible close-quarter drill. R. A. Norling. 1,775,406; Sept. 9.
Reversing device for toothed gearings, particularly in ships, locomotives, and the like, driven by steam turbines. F. Ljungström. 1,780,087; Oct. 28.
Reversing mechanism. C. F. D'ether. 1,742,695; Jan. 7.
Reversing mechanism. C. J. Robertson. 1,773,696; Aug. 19.
Reversing mechanism. H. A. Tuttle. 1,759,472; May 20.
Reversing switch, Locomotive. M. Caruso. 1,766,600; June 24.
Revetment. R. O. Dark. 1,768,309; June 24.
Revolving drier. A. C. Ward. 1,743,643; Jan. 14.
Revolving table. A. Keipp. 1,781,015; Nov. 11.
Rewinding mechanism for the tape of news-projecting machines. J. W. Decker. 1,763,844; June 17.
Rewinding and resetting mechanism. S. M. Fairchild. 1,779,424; Oct. 28.
Rheostat. J. Becker. 1,769,732; July 1.
Rheostat. E. A. Bohlman. 1,778,306; Oct. 14.
Rheostat. H. G. Eisler. 1,742,462-3; Jan. 7.
Rheostat. A. Hall. 1,757,043; May 6.
Rheostat. L. Keblor. 1,779,601; Oct. 28.
Rheostat. W. C. McCoy. 1,744,481; Jan. 21.
Rheostat. T. Rhodus. 1,776,664; Sept. 23.
Rheostat. N. C. Schellenger. 1,781,959; Nov. 18.
Rheostat. K. Yoshiyasu. 1,773,609; Aug. 19.
Rheostat and potentiometer. W. A. Bruno. 1,776,177; Sept. 16.
Rheostat and potentiometer. A. J. Carter. 1,755,314; Apr. 22.
Rheostat, Lamp-socket. C. L. Weicheit. 1,750,739; Mar. 18.
Rheostat, Liquid-level-operated. R. H. Reiter. 1,774,814; Sept. 2.
Rheostat tank fitting assembly. M. E. Cheney. 1,756,535; Apr. 29.
Rheostats, Operating mechanism for dimmer. R. B. Hunter. 1,759,903; May 27.
Rhythmic chart for child orchestration. M. E. Mayberry and E. A. Hill. 1,782,046; Nov. 18.
Rib clip. A. G. Siebenlist. 1,780,406; Nov. 4.
Rib-forming die. J. Kahn. 1,771,681; July 29.
Ribbed fabric, Circular-knit. W. Larkin. 1,772,400; Aug. 5.
Ribbon burner. G. W. McKee. 1,783,195; Dec. 2.
Ribbon for use in making infusions of coffee and other material. H. A. Medin. 1,759,166; May 20.
Ribbon mechanism. J. T. Schaaff. 1,763,068; June 10.
Ribbon-reversing mechanism, Automatic. G. G. Glasgow. 1,766,626; June 24.
Ribbon-shift mechanism. A. E. Long. 1,761,529; June 3.
Ribbon-supporting mechanism. R. E. Page. 1,780,630; Nov. 4.
Ribboner. E. B. Somers. 1,757,147; May 6.
Rice-cooking device. R. J. Cooper. 1,764,039; June 17.
Rice, Raising. B. Stansel. 1,770,867; July 15.
Rice-scouring process, Friction. F. E. Barbee. 1,776,278; Sept. 23.
Riddle, Sand. G. F. Naab and A. B. Waltz. 1,746,958; Feb. 11.
Rider for registration cards. W. Schleifer. 1,758,334; May 13.
Ridge cap. A. Audet. 1,765,119; June 17.
Ridge splitter. J. A. Smethers and W. Elliott. 1,781,670; Nov. 11.
Riding mechanism, Rotary. E. E. Clark. 1,758,558; May 13.
Rifle. A. R. Scherf. 1,777,771; Oct. 7.
Rifle, Automatic. A. Bochnak. 1,752,324; Apr. 1.
Rifle-barrel attachment and ammunition for shot-gun barrels. E. A. Williams. 1,759,772; May 20.
Rifle range. E. C. Fey. 1,743,337; Jan. 14.
Rifle range. R. W. Stewart. 1,750,823; Mar. 18.
Rifle, Repeating. A. Bochnak. 1,787,354; Dec. 30.
Rifle, Semiautomatic. C. D. Meyer. 1,743,472; Jan. 14.
Rifle sight. Q. D. Foster. 1,774,053; Aug. 26.
Rifle sight. B. D. Valeriano. 1,743,906; Jan. 14.
Rigger hook. M. J. McShane. 1,769,357; July 1.
Rim. W. R. Gillam. 1,769,219; July 1.
Rim and its cooperating felly, Demountable. F. W. Schmidt. 1,749,358; Mar. 4.
Rim bolt. M. Gzupkaytie. 1,744,761; Jan. 28.
Rim breaker. A. S. Wallace. 1,770,444; July 15.
Rim, Demountable. E. L. Ackerman and A. J. Zwierzina. 1,750,209; Mar. 11.
Rim, Demountable. F. R. Klaus. 1,750,477; Mar. 11.
Rim for automobile wheels, Demountable. E. L. Ackerman and A. J. Zwierzina. 1,750,208; Mar. 11.
Rim for boilers and washing machines, Deflecting. A. Jackson. 1,780,192; Nov. 4.
Rim for containers, Detachable. A. Engelcke. 1,757,179; May 6.
Rim for dome lights or the like. G. Graff. Des. 82,553; Nov. 18.
Rim for pneumatic tires, Demountable. G. H. Maltsberger. 1,776,695; Sept. 23.
Rim for tubs. W. C. Fork and W. C. Kronquest. 1,771,978; July 29.
Rim for tubs, Forming. W. C. Fork and W. C. Kronquest. 1,771,955; July 29.
Rim for vehicle wheels. L. E. La Brie. 1,750,673; Mar. 18.
Rim for vehicle wheels. J. I. Martin. 1,757,728; May 6.
Rim lock. M. Gzupkaytie. 1,775,377; Sept. 9.
Rim lug. M. Gzupkaytie. 1,755,732; Apr. 22.
Rim of motor and like vehicles, Tire. E. L. Baggstrom. 1,759,386; May 20.
Rim-rolling machines, Feeding device for. C. L. Wiles. 1,767,826; June 24.
Rim sizing and punching machine. W. N. Booth. 1,766,214; June 24.
Rim, Tire. E. Patrone. 1,784,383; Dec. 9.
Rim, Tire. C. J. Rabidoux and W. M. Einhorn. 1,747,949; Feb. 18.
Rim, Wheel. R. B. Miller. 1,771,227; July 22.
Rim with detachable side ring, Automobile. J. H. Wagenhorst. 1,770,720; July 15.
Rim with fillers, Drop-base. J. H. Wagenhorst. 1,771,363; July 22.
Rimming press. W. H. Campbell. 1,785,671; Dec. 16.
Rimming press. R. W. Snyder. 1,769,720; July 1.
Rims, Device for expanding and contracting demountable. A. L. Goldsmith and P. W. Rogers. 1,784,283; Dec. 9.
Rims, Apparatus for forming spoke holes in wire-wheel. W. N. Booth. 1,762,542; June 10.
Rims of motor-vehicle steering wheels, Manufacture of the. G. Warwick. 1,753,586; Apr. 8.
Rims of vehicle wheels, Device for collapsing and adjusting split. H. W. Payne, H. J. Puckridge, and L. Evans. 1,774,400; Aug. 26.

- Ring: See—
 Balance ring. Finger ring.
 Bead-setting ring. Knock-down fight ring.
 Bung ring. Locomotive mud ring.
 Calking ring. Lubricating ring.
 Cam ring. Oil ring.
 Chain ring. Packing ring.
 Clamping ring. Piston ring.
 Curtain ring. Piston and packing ring.
 Display ring. Piston packing ring.
 Drive ring. Spinning ring.
 Dust-bag ring. Tool ring.
- Ring. A. O. Burgess. Des. 82,927-8; Dec. 30.
 Ring. A. A. Constabel. Des. 80,935; Apr. 15.
 Ring. A. A. Constabel. Des. 82,930; Dec. 30.
 Ring. A. F. Di Cristina. Des. 82,544; Nov. 18.
 Ring. A. J. Friedman. Des. 82,549; Nov. 18.
 Ring. J. Granat. Des. 80,787-8; Mar. 25.
 Ring. F. H. Hill. Des. 80,836; Apr. 1.
 Ring. F. H. Hill. Des. 82,090-1; Sept. 23.
 Ring. H. O. Jenkins. Des. 81,092; May 6.
 Ring. J. Joel. 1,747,586; Feb. 18.
 Ring. A. Sager. Des. 80,743; Mar. 18.
 Ring. A. Sager. Des. 82,450; Nov. 4.
 Ring. A. Sager. Des. 82,760; Dec. 9.
 Ring and key, Combination. F. C. Montuori. 1,743,563; Jan. 14.
 Ring and traveler for use in certain doubling and like operations upon yarns. J. Bancroft. 1,744,202; Jan. 21.
 Ring attachment for chains. W. J. Gagnon. 1,760,825; May 27.
 Ring construction, Split-clamping. J. G. A. Strandell. 1,779,220; Oct. 21.
 Ring for safety valve, Relief. F. H. Hopkins. 1,772,004; Aug. 5.
 Ring for spinning-box lids, Retaining. I. Meurling. 1,765,239; June 17.
 Ring for the unwinding of yarn from yarn containers in cable-cord frames or other twisting or doubling frames. J. H. Blackburn and W. E. Bancroft. 1,782,772; Nov. 25.
 Ring for turbine bearings, Oil-sealing. J. F. Johnson. 1,749,586; Mar. 4.
 Ring for vanity cases, Compact-holding. W. G. Kendall. 1,771,337; July 22.
 Ring guard, Finger-. H. Levin. 1,754,392; Apr. 15.
 Ring hook. W. S. Doty. 1,744,159; Jan. 21.
 Ring-joint machine. W. L. Evans. 1,770,881-2; July 15.
 Ring joints, Device for making. W. L. Evans. Re17,628; Mar. 25.
 Ring joints, Device for making. W. L. Evans. Re17,786; Sept. 2.
 Ringlike members, Forming. W. J. Boyle, jr. 1,773,566; Aug. 19.
 Ring or article of similar nature, Finger. E. J. Gross. Des. 80,621-2; Mar. 4.
 Ring or article of similar nature, Finger. E. J. Gross. Des. 80,833; Apr. 1.
 Ring or article of similar nature, Finger. B. Gross. Des. 80,941-50; Apr. 15.
 Ring or article of similar nature, Finger. B. Gross. Des. 81,736; July 29.
 Ring or article of similar nature, Finger. E. J. Gross. Des. 82,671-2; Dec. 2.
 Ring or article of similar nature, Finger. E. J. Gross. Des. 82,935; Dec. 30.
 Ring or similar article, Finger. J. Berlinger. Des. 82,243; Oct. 14.
 Ring or similar article, Finger. J. Berlinger. Des. 82,470; Nov. 4.
 Ring or similar article, Finger. A. E. Ransome and E. M. Schmidt. Des. 80,394; Jan. 21.
 Ring or similar article, Wedding. M. Kronstadt. Des. 81,902; Aug. 26.
 Ring-rolling machine. J. H. Taylor. 1,745,514; Feb. 4.
 Ring-rolling machine, Universal. J. H. Taylor. 1,781,140; Nov. 11.
 Ring setting. L. Hirsch. Des. 80,571; Feb. 25.
 Ring shank. J. Granat. Des. 80,786; Mar. 25.
 Ring spinning and doubling frame. J. Jolly. 1,753,119; Apr. 1.
 Ring-spinning frame. G. Jacob. 1,767,888; June 24.
 Ring traveler. A. M. Bowen. 1,743,263; Jan. 14.
 Rings in molds, Apparatus for mounting. H. E. Waner. 1,748,626; Feb. 25.
 Rines, Manufacturing split. A. B. Chance. 1,780,003; Oct. 28.
 Rinse tub. E. Nutting. 1,759,413; May 20.
 Rinsing and drying apparatus. J. F. Russell. 1,772,056; Aug. 5.
 River banks, Protecting. G. E. Dutton. 1,748,444; Feb. 25.
 Rivet and burr, Machine-attached. P. E. Fenton. 1,783,113; Nov. 25.
 Rivet heater, Electric. F. P. Kobert. 1,743,609; Jan. 14.
 Riveted structure. J. E. Kalgren. 1,787,076; Dec. 30.
 Riveted structure and machine for producing the same. J. E. Kalgren. 1,778,498; Oct. 14.
 Riveter. J. C. Hanna. 1,765,011; June 17.
 Riveter. A. Scott. 1,767,946; June 24.
 Riveter, Turret. J. C. Hanna and A. Norin. 1,765,012; June 17.
 Riveting device. H. Junkers. 1,752,799; Apr. 1.
 Riveting machine. T. G. Burnett. 1,760,743; May 27.
 Riveting machine. H. Elsner. 1,771,882; July 29.
 Riveting machine. H. Elsner. 1,787,190; Dec. 30.
 Roach trap. B. Warden. 1,770,330; July 8.
 Road and street construction. G. F. Murphy. 1,747,125; Feb. 11.
 Road and walk construction. H. E. Winch. 1,761,165; June 3.
 Roadbed. G. W. Muller. 1,766,796; June 24.
 Roadbed construction. W. P. Day. 1,745,745-6; Feb. 4.
 Roadbed construction for railways. W. P. Day. 1,745,747; Feb. 4.
 Roadbed construction for toy railways. C. R. Peterson, jr. 1,783,367; Dec. 2.
 Roadbed construction, Railway-. C. Weller. 1,766,367; June 24.
 Roadbeds for railways, Forming. W. P. Day. 1,745,744; Feb. 4.
 Roadbeds for railways, Forming. W. P. Day. 1,745,748; Feb. 4.
 Road builder, ditcher, and brush breaker, Combined. S. H. Burnstad. 1,755,467; Apr. 22.
 Road-building apparatus. W. Bayley. 1,782,707; Nov. 25.
 Road cleaner. R. H. Roller. 1,766,456; June 24.
 Road-clearing device. H. R. Andrew. 1,745,970; Feb. 4.
 Road drag. W. N. and W. W. Crow. 1,743,532; Jan. 14.
 Road drag. O. Pollock. 1,767,393; June 24.
 Road form. J. N. Heltzel. 1,755,541; Apr. 22.
 Road grader. C. B. Faverty. 1,769,682; July 1.
 Road grader. A. F. Johnson. 1,782,992; Nov. 25.
 Road grader. A. Montano. 1,763,807; June 17.
 Road grader. W. J. Schlacks and C. B. Faverty. 1,769,716; July 1.
 Road-grader wheel-leaning mechanism. C. B. Faverty. 1,769,683; July 1.
 Road graders, Lifting attachment for. A. J. and G. W. Monroe. 1,782,363; Nov. 18.
 Road-grading device. H. R. Andrew. 1,756,329; Apr. 29.
 Road-grading machine. O. P. Mahoney and J. R. Key. 1,775,314; Sept. 9.
 Road indicator. G. F. Van Horn. 1,774,683; Sept. 2.
 Road indicator. T. J. Smulski. 1,753,758; Apr. 8.
 Road machine. A. and A. G. Ronning. 1,767,617; June 24.
 Road machinery. D. B. Cook. 1,783,009; Nov. 25.
 Road-maintainer machines, Stabilizer for. H. R. Andrew. 1,742,799; Jan. 7.
 Road-making machine. J. H. Mosel. 1,773,431; Aug. 19.
 Road marker. G. W. Bettes. 1,753,593; Apr. 8.
 Road-marking machine. J. H. Kirkman. 1,763,432; June 10.
 Road material, Manufacturing bituminous. F. O. W. and D. M. Loomis. 1,769,442; July 1.
 Road mats, Making. W. E. White. 1,772,654; Aug. 12.
 Road parting strip. A. A. Kramer. 1,755,480; Apr. 22.
 Road rail or form. G. H. Miller. 1,764,028; June 17.
 Road-resurfacing device. W. J. Patton. 1,744,139; Jan. 21.
 Road scraper. G. E. Dean. 1,765,969; June 24.
 Road scraper. E. A. Weeks. 1,786,803; Dec. 30.
 Road-scraper attachment for trucks. E. A. Weeks. 1,761,605; June 3.
 Road-shoulder-finishing machine. H. K. Lehmer. 1,764,270; June 17.
 Road-smoothing machine. R. A. Burnett. 1,755,631; Apr. 22.
 Road spreading machine. A. N. Nickerson. 1,748,141; Feb. 25.
 Road surfacer. O. L. Elliott. 1,749,805; Mar. 11.
 Road surfaces, Making. M. Lévy. 1,785,130; Dec. 16.
 Road-surfacing machine. H. A. Ingalls. 1,784,691; Dec. 9.
 Road tamping and maintenance machine. W. W. Foster. 1,758,281; May 13.
 Road-testing machine. G. N. Lamb. 1,769,521; July 1.
 Roadway and constructing the same. H. Beebe. 1,758,022; May 13.
 Roadway sander. A. Schuerger. 1,772,367; Aug. 5.
 Roadways and the like, Construction of. L. Gaisman. 1,775,278; Sept. 9.
 Roadways, Safety barrier for. W. McDade. 1,759,794; May 20.
 Road-working apparatus. C. R. Churchill and J. R. Haymen. 1,763,457; June 10.
 Roads and the like, Construction of. L. H. A. Dunker. 1,784,895; Dec. 16.
 Roads, Building. K. Dammann. 1,756,344; Apr. 29.
 Roads, Making. F. W. Huber. 1,773,000; Aug. 12.
 Roads, Methods and apparatus for building improved. R. A. Thompson. 1,757,691; May 6.
 Roads, Surfacing. S. E. Finley. 1,750,096; Mar. 11.
 Roaster: See—
 Coffee roaster. Peanut roaster.
 Electric meat and like roaster.
 Roaster and corn popper, Peanut. A. Hauck. 1,747,239; Feb. 18.
 Roaster and storer, Continuous coffee. A. K. Rehe. 1,783,673; Dec. 2.
 Roaster for weiners and the like. J. T. Grady. 1,776,501; Sept. 23.
 Roasting apparatus. R. H. Talbutt and F. A. Allner. 1,782,946; Nov. 25.
 Rock bit, Rotary. J. Grant and S. L. Campbell. 1,748,341; Feb. 25.
 Rock crusher. W. J. Harr. 1,771,118; July 22.

- Rock crusher. C. G. A. Schmidt, jr. 1,774,159; Aug. 26.
 Rock drill. E. G. Gartin. 1,778,553; Oct. 14.
 Rock drill. E. E. Miller. 1,760,310; May 27.
 Rock drill. W. T. Woods. 1,766,578; June 24.
 Rock-drill blowing device. W. A. Smith, sr., and J. C. Curtis. 1,776,604; Sept. 23.
 Rock drill, Hammer. L. Pryce. 1,744,141; Jan. 21.
 Rock drill, Valveless. L. W. Greve. 1,748,953; Mar. 4.
 Rock-drilling mechanism. E. G. Gartin. 1,760,354; May 27.
 Rock-drilling mechanism. E. G. Gartin. 1,778,939; Oct. 21.
 Rock-dusting mines, Apparatus for. J. B. Miller. 1,764,113; June 17.
 Rock scenery, Forming artificial. L. D. Jensen. 1,776,999; Sept. 30.
 Rocker, Child's reciprocating. A. C. Rohm, jr. 1,750,862; Mar. 18.
 Rocking-chair. W. O. Perkins. 1,778,685; Oct. 14.
 Rocking-chair, Front-propelling. E. L. Swindler. 1,754,703; Apr. 15.
 Rocking horse. S. A. Brockway. 1,761,253; June 3.
 Rocking-horse. A. J. Jesswein. 1,784,875; Dec. 16.
 Rod: *See*—
 Abutment-equipped rod. Hair-wave rod.
 Brazing rod. Piston and connecting rod.
 Connecting rod. Piston rod.
 Curtain rod. Pitman rod.
 Drapery rod. Radius rod.
 Electrical ground rod. Surveying rod.
 Equalizer rod. Surveyor's rod.
 Fishing rod. Valve push rod.
 Gauge rod. Welding rod.
 Rod and crosshead, Connecting. W. F. Hiatt. 1,784,837; Dec. 16.
 Rod bracket, Curtain-. G. A. Tannert. 1,747,914; Feb. 18.
 Rod clamp. S. S. Bradshaw and C. A. Martindale. 1,742,302; Jan. 7.
 Rod clamp. O. C. Staples. 1,778,233; Oct. 14.
 Rod clamp, Pull-. H. G. Durnell and S. T. Steel. 1,768,038; June 24.
 Rod connection, Tie-. G. E. Parker. 1,742,782; Jan. 7.
 Rod coupler, Yieldable. H. Z. Dechert. 1,742,238; Jan. 7.
 Rod coupling. F. E. Anderson. 1,772,174; Aug. 5.
 Rod coupling. M. P. Graham. 1,757,305; May 6.
 Rod-disk cutting machine. B. Nagy. 1,769,594; July 1.
 Rod elevator. B. P. Hoffman. 1,768,450; June 24.
 Rod expeller, Cork-. B. Nagy. 1,742,316; Jan. 7.
 Rod fastening, Tie-. S. Paul. 1,753,426; Apr. 8.
 Rod for oil-well pumping, Polished. S. B. Merrick. 1,756,205; Apr. 29.
 Rod for use in arc welding or cutting. J. B. Green. 1,783,013; Nov. 25.
 Rod-line jack, Surface. J. M. Keller and E. R. Thomas. 1,779,320; Oct. 21.
 Rod joint, Swivel sucker-. L. B. Leverich. 1,765,279; June 17.
 Rod or like article. A. M. Thomson. Des. 82,529-30; Nov. 11.
 Rod or similar article, Curtain. J. H. Boye. Des. 80,674; Mar. 11.
 Rod or tubing guide. S. V. Dillon. 1,752,154; Mar. 25.
 Rod or wire drawing block. F. H. Nullmeyer. 1,756,206; Apr. 29.
 Rod rack. R. M. Tibbetts. 1,776,605; Sept. 23.
 Rod-shaping device. G. I. Varney. 1,774,305; Aug. 26.
 Rod spider. H. W. Goetz and R. C. Clark. 1,755,986; Apr. 22.
 Rod turner, Sucker-. F. H. Hall. 1,780,877; Nov. 4.
 Rods, bars, and the like, Metal working. J. T. Leech. 1,779,478; Oct. 28.
 Rods, Method and apparatus for testing. W. L. Reid and F. J. Bascombe. 1,753,532; Apr. 8.
 Rods, Operating mechanism for reciprocating. T. Detfurth. 1,774,321; Aug. 26.
 Rods with thickened portion, Manufacture of resistor. G. Egly. 1,778,665; Oct. 14.
 Rodent trap. R. Merkl. 1,784,904; Dec. 16.
 Roll. G. N. Van Derhoef. 1,742,453; Jan. 7.
 Roll-body maker. J. F. Peters. 1,770,041; July 8.
 Roll-changing mechanism, Web-. H. V. Ball. 1,746,376; Feb. 11.
 Roll construction for gristmills. E. A. Hall. 1,754,270; Apr. 15.
 Roll-dispensing device. E. B. Gallaher. 1,744,758; Jan. 28.
 Roll, Electrically-operated edge-driven. F. Möller. 1,784,304; Dec. 9.
 Roll, Fluid-cooled. J. H. Fox. 1,783,465; Dec. 2.
 Roll, Fluid-cooled. H. K. Hitchcock. 1,754,826; Apr. 15.
 Roll-forming machine, Slip-. P. R. Hahnemann. 1,742,654; Jan. 7.
 Roll heater. J. D. Williams. 1,781,798; Nov. 18.
 Roll-holding mechanism. G. Remnsnider. 1,773,153; Aug. 19.
 Roll mill, Pendulum. F. L. Buchanan. 1,754,414; Apr. 15.
 Roll-shifting apparatus. J. E. Cornell and A. J. Verwys. 1,747,289; Feb. 18.
 Roll-supporting construction for centrifugal grinding mills. W. A. Gibson and J. G. Burke. 1,748,414; Feb. 25.
 Roll table. L. Johnson. 1,749,431; Mar. 4.
 Roller: *See*—
 Antifriction roller. Inking roller.
 Asphalt roller. Kiln roller.
 Ball-bearing roller. Paving roller.
 Conveyor roller. Printing roller.
 Curtain roller. Saw-tensioning roller.
 Fabric-rubbing roller. Shade roller.
 Fender roller. Slippage drawing roller.
 Flexible roller. Table roller.
 Roller arrangement for printing presses. W. J. Strain. 1,755,278; Apr. 22.
 Roller attachment. G. W. McConnell. 1,752,682; Apr. 1.
 Roller attachment for vehicles. J. E. Miller. 1,774,656; Sept. 2.
 Roller bit. C. H. M. Bull. 1,762,504; June 10.
 Roller bit. J. C. Stokes. 1,778,966; Oct. 21.
 Roller bracket, Shade-. E. Broberg. 1,782,131-2; Nov. 18.
 Roller bracket, Shade and awning. J. Beards and L. L. Tetelman. 1,784,478; Dec. 9.
 Roller construction. L. H. Vervoort. 1,743,255; Jan. 14.
 Roller covered with rubber or other resilient material. C. H. Gray. 1,775,392; Sept. 9.
 Roller cutter drill. C. H. Bull. 1,754,848; Apr. 15.
 Roller-cutter mounting. G. E. Behnke. 1,762,570; June 10.
 Roller device, Combined cutter and pressure. J. E. Dingman and R. F. Engelbert. 1,757,173; May 6.
 Roller exercise machine. E. H. Odell. 1,748,425; Feb. 25.
 Roller for axle lathes, Burnishing. A. C. Gough. 1,748,285; Feb. 25.
 Roller for surfacing machines. A. E. Chappell. 1,774,169; Aug. 26.
 Roller for textile-spinning machinery, Drawing or drafting. W. Draper. 1,771,486; July 29.
 Roller for traveling conveyers. D. T. Evans. 1,758,280; May 13.
 Roller grizzly. M. A. Kendall. 1,766,340; June 24.
 Roller-hearth furnace. F. T. Cope. 1,764,007; June 17.
 Roller mill. J. W. Kent. 1,767,591; June 24.
 Roller of machines for manufacturing felted sheets, Pressure. O. Severini. 1,770,814; July 15.
 Roller or caster. M. Kurtzon. 1,780,755; Nov. 4.
 Roller screen. W. E. Stevens and C. B. Jay. 1,752,466; Apr. 1.
 Roller screen. J. H. Story. 1,786,550; Dec. 30.
 Roller-supporting device. H. V. Ball. 1,760,188; May 27.
 Roller terrace tower as place of amusement and recreation. A. Heinze. 1,759,008; May 20.
 Roller underreamer, Expanding. J. Grant. 1,777,559; Oct. 7.
 Rollers and particularly rollers adapted for use as printing rollers, Manufacture of. D. Gestetner. 1,771,562; July 29.
 Rollers, Making cylindrical. B. G. Nice. 1,784,463; Dec. 9.
 Rolling, Method and apparatus for. A. P. Steckel. 1,744,018; Jan. 14.
 Rolling mill. G. Asbeck. 1,753,767; Apr. 8.
 Rolling mill. G. Asbeck. 1,764,598; June 17.
 Rolling mill. W. F. Detwiler. 1,781,809; Nov. 18.
 Rolling mill. J. R. George and J. W. Sheperdson. 1,762,293; June 10.
 Rolling mill. C. J. Gibbons. 1,772,248; Aug. 5.
 Rolling mill. K. Gruber. 1,784,791; Dec. 9.
 Rolling mill. L. Iversen. 1,776,436; Sept. 23.
 Rolling mill. L. Johnson. 1,753,268; Apr. 8.
 Rolling mill. J. Kennedy. 1,759,262; May 20.
 Rolling mill. C. J. Klein. 1,774,383; Aug. 26.
 Rolling mill. J. B. Tytus. 1,786,793; Dec. 30.
 Rolling-mill-driving system. J. Ledwinka. 1,749,883; Mar. 11.
 Rolling mill, Four-high. O. B. Lindquist. 1,773,737; Aug. 26.
 Rolling mill, Pilgering. H. Idel. 1,760,757; May 27.
 Rolling pin. H. G. Reinmuth. 1,758,060; May 13.
 Rolling screen, Adjustable. A. M. Sacerdote. 1,779,262; Oct. 21.
 Rolling stock of railways, tramways, or road transport. P. Algrain. 1,770,827; July 15.
 Rolls for rolling mills and the like, Eccentric. A. E. Pinches. 1,767,392; June 24.
 Rolls, Grinding or polishing. J. D. Williams. 1,749,457; Mar. 4.
 Rolls, Making. G. N. Van Derhoef. 1,742,454; Jan. 7.
 Rolls, Preserving form. J. P. Catlin. 1,749,316; Mar. 4.
 Romper. C. Bennett. 1,774,630; Sept. 2.
 Roof. C. L. Keller. 1,775,937; Sept. 16.
 Roof. W. R. Tobias. 1,764,479; June 17.
 Roof. C. F. Walp. 1,784,508; Dec. 9.
 Roof and wall sheet, Flat asbestos-cement. L. Lane. 1,763,469; June 10.
 Roof body for automobiles, Collapsible. C. E. E. Wolfermann. 1,786,927; Dec. 30.
 Roof, Car. W. G. Powell. 1,761,047; June 3.
 Roof, Car. E. G. Frack. 1,775,519; Sept. 9.
 Roof construction. A. A. Heeren. 1,786,751; Dec. 30.
 Roof construction for furnaces, Integral. L. S. Abbott. 1,764,708; June 17.
 Roof construction for traction locomotives. W. B. Jupp and R. G. Anderson. 1,778,720; Oct. 21.
 Roof construction, Metal-. E. Talmage. 1,763,870; June 17.
 Roof covering. J. C. Bergner. 1,771,990; Aug. 5.
 Roof covering. W. M. Black. 1,775,085; Sept. 9.

- Roof covering. H. Gauvin. 1,783,839; Dec. 2.
 Roof covering. C. A. Linde. 1,773,686; Aug. 19.
 Roof covering. C. J. McDavitt. 1,744,656; Jan. 21.
 Roof decking and fastening means therefor. H. E. White. 1,772,694; Aug. 12.
 Roof drain. R. C. Shand. 1,762,838; June 10.
 Roof-drain fixture. W. S. Fleming. 1,761,257; June 3.
 Roof flashing. R. F. Knox. 1,750,526; Mar. 11.
 Roof flashing. F. Young. Re17,818; Sept. 30.
 Roof flashing and jacket. F. J. Moore. 1,750,019; Mar. 11.
 Roof flashing. Pipe. R. Sherlock. 1,762,896; June 10.
 Roof for carriage bodies. E. Delale. 1,784,180; Dec. 9.
 Roof for closed cars, Panel. E. B. Malcolm. 1,785,908; Dec. 23.
 Roof for furnaces, Adjustable. A. Reppman. 1,770,806; July 15.
 Roof for oil tanks, Floating. F. W. Kueffer. 1,765,593; June 24.
 Roof for storage tanks, Floating. L. Kniel. 1,744,640; Jan. 21.
 Roof jack. J. W. Montag. 1,743,371; Jan. 14.
 Roof rafter. F. T. Sergeant. 1,762,363; June 10.
 Roof seaming strip. J. S. Skoglund and C. M. Engebretson. 1,747,492; Feb. 18.
 Roof structure. J. C. M. Des Islets. 1,749,473; Mar. 4.
 Roof structure. A. C. Johnson. 1,753,862; Apr. 8.
 Roof structure. S. Richmond. 1,767,258; June 24.
 Roof structure for railway cars. A. E. Small. 1,752,355; Apr. 1.
 Roof structure, Vehicle. F. E. Dayes. 1,748,114; Feb. 25.
 Roof tank. Water. J. F. Patterson. 1,782,174; Nov. 18.
 Roof, Vehicle. J. L. Menzies. 1,768,368; June 24.
 Roofing. E. R. Black. 1,748,327; Feb. 25.
 Roofing. B. E. Horne. 1,772,487; Aug. 12.
 Roofing. A. E. F. Moone. Des. 81,712; July 29.
 Roofing. A. E. F. Moone. 1,768,134; June 24.
 Roofing. C. E. Rahr. 1,759,999; May 27.
 Roofing. C. E. Rahr. 1,773,117; Aug. 19.
 Roofing. R. S. Reynolds. 1,753,303; Apr. 8.
 Roofing. A. S. Spear. 1,753,583; Apr. 8.
 Roofing. H. N. Striewig. 1,744,589; Jan. 21.
 Roofing and forming the same. W. A. Harris. 1,748,981; Mar. 4.
 Roofing and making same. L. Kirschbraun. 1,763,601; June 10.
 Roofing and making the same. L. F. Lindley. 1,779,175; Oct. 21.
 Roofing, Coating and surfacing prepared. W. H. Cady. 1,755,049; Apr. 15.
 Roofing construction. S. Bauer. 1,758,683; May 13.
 Roofing construction. W. J. Young. 1,752,827; Apr. 1.
 Roofing element. F. C. Overbury. 1,759,995; May 27.
 Roofing element. J. L. Wettlaufer. 1,774,861; Sept. 2.
 Roofing element and making the same, Metal-protected. T. Robinson. 1,753,721; Apr. 8.
 Roofing element, Sealed laminated. L. Kirschbraun. 1,765,796; June 24.
 Roofing element with thickened butt edges and making the same. L. Kirschbraun. 1,761,873; June 3.
 Roofing elements and product thereof, Making curved. L. Kirschbraun. 1,754,771; Apr. 15.
 Roofing elements and product thereof, Producing. A. O. Mickelson. 1,745,631; Feb. 4.
 Roofing elements, Edge-finishing fabricated. L. Kirschbraun. 1,782,535; Nov. 25.
 Roofing elements, Edge-finishing fabricated. L. Kirschbraun. 1,782,536; Nov. 25.
 Roofing elements, Making. L. Kirschbraun. 1,767,374; June 24.
 Roofing elements, Method of and machine for edge-coating. F. C. Overbury. 1,752,454; Apr. 1.
 Roofing elements, Method of and mechanism for coating. H. L. Levin. 1,781,877; Nov. 18.
 Roofing felt, Apparatus for impregnating. C. R. Sculley. 1,751,889; Mar. 25.
 Roofing material. A. C. Felscher. 1,769,628; July 1.
 Roofing material. N. P. Harshberger. 1,756,743; Apr. 29.
 Roofing, Prepared. A. O. Mickelson and D. A. Cumfer. 1,762,404; June 10.
 Roofing product. R. B. Levis. 1,778,903; Oct. 21.
 Roofing roll. H. Kielberg. 1,781,016; Nov. 11.
 Roofing starter. C. Batcheller. 1,765,197; June 17.
 Roofing structure. A. H. Schaffert. 1,777,228; Sept. 30.
 Roofing to roofs, Fastening roll. A. H. Draughon, jr. 1,755,538; Apr. 22.
 Roofing units, Apparatus for coating. C. R. MacDonald. 1,783,575; Dec. 2.
 Roofing units, Apparatus for finishing. C. R. MacDonald. 1,783,850; Dec. 2.
 Roofing units, Finishing. C. R. MacDonald. 1,783,849; Dec. 2.
 Roofings, Apparatus for making asphalt. E. Sakuma. 1,753,027; Apr. 1.
 Room chair, Breakfast. K. J. Zoercher. Des. 82,291; Oct. 14.
 Room heater, Portable electric. L. S. Lawson. Des. 81,249; May 27.
 Roost, Chicken. H. Fintel. 1,760,748; May 27.
 Roost, Poultry. C. H. Moomaw. 1,786,443; Dec. 30.
 Root-canal filler. J. W. Smith. 1,754,577; Apr. 15.
 Rope and cable, Wire. J. F. Howe. 1,779,471; Oct. 28.
 Rope and making the same, Tapered wire. W. E. Craig. 1,786,936; Dec. 30.
 Rope and making the same, Wire. R. D. Green. 1,777,117; Sept. 30.
 Rope, Apparatus for manufacturing wire. J. Laubenthal. 1,761,482; June 3.
 Rope clamp. H. P. Reiber. 1,751,883; Mar. 25.
 Rope, Copper-coated wire. A. F. W. Thormann. 1,766,201; June 24.
 Rope-end connector and adjuster. G. Rechter. 1,746,090; Feb. 4.
 Rope, Flexible wire. O. A. Wirkkala. 1,757,156; May 6.
 Rope, Friction. R. S. O. Lawson. 1,769,585; July 1.
 Rope guide. D. C. Sherman. 1,774,616; Sept. 2.
 Rope guide for insuring the unfolding of parachutes. K. T. Lendner. 1,771,261; July 22.
 Rope lock. A. W. Gronquist. 1,779,430; Oct. 28.
 Rope or cable, Wire. W. C. Erkert. 1,769,945; July 8.
 Rope picker, Fiber. M. Mudrick. 1,759,240; May 20.
 Rope sheave. W. Karlik. 1,747,013; Feb. 11.
 Rope stretcher. M. Haley. 1,766,122; June 24.
 Rope structure. H. M. Wall and W. Reiner. 1,749,171; Mar. 4.
 Rope tightener, Flagpole. A. Bernardin. 1,760,337; May 27.
 Rosary. J. F. Hennegan. 1,774,059; Aug. 26.
 Rosin and product therefrom, Treating. R. C. Palmer. 1,787,281; Dec. 30.
 Rosin, Cracking. G. Egloff and H. P. Benner. 1,783,230; Dec. 2.
 Rosin-reclaiming machine. G. W. Smith. 1,762,595; June 10.
 Rosin soap lake of azo compounds. E. R. Allen. 1,772,300; Aug. 5.
 Rosin solutions, Preparation of. A. Thiriet and P. Delcroix. 1,759,526; May 20.
 Rosins, Purifying. R. C. Palmer, J. L. Burda, and A. F. Oliver. 1,757,588; May 6.
 Rotary bit. J. A. Cooney. 1,774,084; Aug. 26.
 Rotary chair. J. J. McGerry and C. H. Whiting. Des. 82,443; Nov. 4.
 Rotary crusher, Demountable. C. M. Stein. 1,758,180; May 13.
 Rotary cutter. H. H. Manning. 1,769,230; July 1.
 Rotary cutter. F. P. Miller. 1,747,455; Feb. 18.
 Rotary cutter. F. P. Miller. 1,765,172; June 17.
 Rotary cutter. F. P. Miller. 1,768,132; June 24.
 Rotary cutter. J. E. Rousseau. 1,763,370; June 10.
 Rotary cutter. E. A. Williams. 1,762,648; June 10.
 Rotary drier. W. A. Harty. 1,787,197; Dec. 30.
 Rotary drill. J. E. Le Bus. 1,761,216; June 3.
 Rotary engine. W. H. Bendry. 1,761,977; June 3.
 Rotary engine. R. E. Cornwell. 1,784,578; Dec. 9.
 Rotary engine. J. Johnson. 1,767,985; June 24.
 Rotary engine. P. C. Petersen. 1,743,977; Jan. 14.
 Rotary engine. L. M. Randolph. 1,782,766; Nov. 25.
 Rotary engine. G. Shoemaker. 1,757,484; May 6.
 Rotary engine. R. C. G. Staats-Oels. 1,772,090; Aug. 5.
 Rotary engine. W. S. Sullivan. 1,766,005; June 24.
 Rotary engine. E. Wildhaber. 1,777,023; Sept. 30.
 Rotary engine, Swash-plate. J. F. N. Craig. 1,772,416; Aug. 5.
 Rotary furnace. M. Sklovsky. 1,765,949; June 24.
 Rotary furnace. C. B. Wisner. 1,748,815; Feb. 25.
 Rotary lat. G. E. Fentress. 1,778,252; Oct. 14.
 Rotary line switch. J. E. Ostline. 1,757,681; May 6.
 Rotary machine. I. H. Wilsey. 1,773,211; Aug. 19.
 Rotary motion into an alternating motion with different speeds in two directions, Device for transforming a uniform. G. Colucci. 1,755,914; Apr. 22.
 Rotary motor. A. Blackman. 1,769,822; July 1.
 Rotary motor. A. C. McGinty. 1,776,038; Sept. 16.
 Rotary motor, Electromagnetic. T. E. Thomas. 1,767,158; June 24.
 Rotary or spinning extractor. W. G. Peters. 1,760,775; May 27.
 Rotary printing machine, Two-color. A. Fallot. 1,768,312; June 24.
 Rotary shears. L. Iversen. 1,749,430; Mar. 4.
 Rotary sprinkler. W. H. Barner. 1,746,575; Feb. 11.
 Rotary sprinkler. H. N. Potter. 1,784,314; Dec. 9.
 Rotary switch. J. Sandin. 1,744,245; Jan. 21.
 Rotary switch. T. Van Ryan and A. Alsaker. 1,758,206; May 13.
 Rotary switch. T. Van Ryan and A. Alsaker. 1,776,872; Sept. 30.
 Rotary table, Hydraulically-operated. A. G. Sudhoff. 1,745,460; Feb. 4.
 Rotary table, Well-drill. W. Sheldon. 1,772,368; Aug. 5.
 Rotating movement into a striking or hammering movement, Arrangement for transforming a. E. H. W. Weibull. 1,776,057; Sept. 16.
 Rotator, Over-the-top display. A. W. Johnson. 1,777,438; Oct. 7.
 Rotator, Sucker-rod. C. Stevens. 1,749,722; Mar. 4.
 Rotators for ship logs. J. Walker. 1,773,069; Aug. 12.
 Rotor. G. W. McCollum. 1,773,739; Aug. 26.
 Rotor. G. W. McCollum. 1,777,320; Oct. 7.
 Rotor for electric motors. E. M. Wright. 1,771,474; July 29.
 Rotor for induction motors. M. C. Spencer. 1,773,285; Aug. 19.
 Rotor for induction motors, Squirrel-cage. G. T. Smith. 1,762,564; June 10.
 Rotor for magnetos. C. F. Reis. 1,783,344; Dec. 2.
 Rotor, Hammer-mill. A. M. Dellinger. 1,757,452; May 6.
 Rotor, Insulated electric. C. W. Dake and J. J. Kennedy. 1,770,262; July 8.
 Rotor, Polished rod. A. Boynton. 1,769,252-3; July 1.

- Rotor, Siren. L. H. Miles. 1,772,614; Aug. 12.
 Rotor, Wind. K. Ramm. 1,753,302; Apr. 8.
 Rotor, Wind. S. J. Savonius. 1,766,765; June 24.
 Rotor winding and mounting end rings. F. Adams. 1,755,283; Apr. 22.
 Rotors, Balancing. F. C. Linn. 1,776,125; Sept. 16.
 Rotors for electric machines, Manufacture of squirrel-cage. F. Grenzer. 1,762,017; June 3.
 Rough rounding machine. R. D. Poole. 1,743,686; Jan. 14.
 Roughening machine. F. E. Johnston. 1,745,100; Jan. 28.
 Roundabout. D. J. Lahay. 1,752,600; Apr. 1.
 Roundabout. D. J. Lahay. 1,782,207; Nov. 18.
 Routing and grooving machine. G. R. Lessor. 1,744,651; Jan. 21.
 Routing machine. S. Hunter. 1,751,816; Mar. 25.
 Rowing apparatus. A. E. Hecox. 1,755,922; Apr. 22.
 Rowing apparatus for gymnastic exercises. J. Falkenburg. 1,752,901; Apr. 1.
 Rubber and accelerator therefor, Vulcanizing. D. H. Powers. 1,780,149; Oct. 28.
 Rubber and articles produced thereby, Bonding. H. C. Lord. 1,749,824; Mar. 11.
 Rubber and of materials for use therein, Manufacture of vulcanized. C. J. T. Cronshaw and W. J. S. Naunton. 1,777,352; Oct. 7.
 Rubber and other substances, Uniting. L. B. Sebrell. 1,781,649; Nov. 11.
 Rubber and paper and product obtained thereby, Production of combinations of. R. P. Rose and H. E. Cude. 1,756,035; Apr. 29.
 Rubber and paper and products obtained thereby, Production of combinations of. R. P. Rose and H. E. Cude. 1,773,201; Aug. 19.
 Rubber and product obtained thereby, Treating. S. M. Cadwell. 1,777,874; Oct. 7.
 Rubber and product obtained thereby, Treating. S. M. Cadwell. 1,778,707-9; Oct. 14.
 Rubber and product obtained therefrom, Vulcanizing. W. Scott. 1,784,498; Dec. 9.
 Rubber and product produced thereby, Treating. W. B. Pratt. 1,780,657; Nov. 4.
 Rubber and product thereby obtained, Vulcanizing. W. Scott. 1,777,738; Oct. 7.
 Rubber and products obtained thereby, Treating aqueous dispersions of. M. C. Teague. 1,750,767; Mar. 18.
 Rubber and products obtained thereby, Treatment of. J. McGavack. 1,742,609; Jan. 7.
 Rubber and products obtained thereby, Vulcanizing. S. M. Cadwell. 1,777,960; Oct. 7.
 Rubber and products obtained thereby, Vulcanizing. W. Scott. 1,762,531; June 10.
 Rubber, Apparatus for regenerating, vulcanized. A. Mrach. 1,754,177; Apr. 8.
 Rubber article and making same, Ornamental. T. F. Hooper. 1,761,443; June 3.
 Rubber article of graded properties and method of making the same, Composite. W. B. Wescott. 1,768,348; June 24.
 Rubber article, Producing varied surface effects on. J. B. Crockett. 1,773,724; Aug. 26.
 Rubber articles and producing the same. H. R. Haertel. 1,785,081-2; Dec. 16.
 Rubber articles and producing the same. H. R. Haertel. 1,785,084-5; Dec. 16.
 Rubber articles, Apparatus for treating. J. Waseluk. 1,762,846; June 10.
 Rubber articles by the circulation of heated gases, Method of and apparatus for curing. H. R. Minor. 1,757,053; May 6.
 Rubber articles, Coloring. A. P. Witten. 1,774,781; Sept. 2.
 Rubber articles, Manufacture of. E. Hopkinson and W. A. Gibbons. 1,759,618; May 20.
 Rubber articles, Manufacturing. B. W. Rowland. 1,757,928; May 6.
 Rubber articles, Method of and apparatus for curing molded. H. R. Minor. 1,746,357; Feb. 11.
 Rubber articles, Method of and apparatus for sizing hard. F. Fenton. 1,754,993; Apr. 15.
 Rubber articles, Producing. H. R. Haertel. 1,785,083; Dec. 16.
 Rubber articles, Vulcanizing hollow. H. A. Denmire. 1,786,290; Dec. 23.
 Rubber, balata, or gutta-percha and producing the same. Aqueous emulsion of. W. B. Pratt. 1,775,569; Sept. 9.
 Rubber, Buoyant and oilproof india. E. Yoshioka. 1,744,602; Jan. 21.
 Rubber checkstrap. T. R. Palmer. 1,746,961; Feb. 11.
 Rubber composition. I. W. Humphrey. 1,776,857; Sept. 30.
 Rubber composition and making the same. H. Gray. 1,745,926; Feb. 4.
 Rubber composition and making the same, Liquefied. H. P. Butler. 1,746,142; Feb. 4.
 Rubber composition and method of preserving rubber. P. C. Jones. 1,784,838; Dec. 16.
 Rubber composition and preparing the same, Age-resisting. H. W. Elley. 1,763,615; June 10.
 Rubber composition and preserving rubber. C. W. Bedford. 1,777,634; Oct. 7.
 Rubber composition and preserving rubber. H. W. Elley. 1,763,293; June 10.
 Rubber composition and producing the same. H. A. Winkelmann. 1,751,848; Mar. 25.
 Rubber compound and products, Forming tacky. M. C. Teague. 1,746,875; Feb. 11.
 Rubber, Compounding. W. S. Calcott, W. A. Douglass, and M. A. Dahlen. 1,778,548; Oct. 14.
 Rubber compounding, Product and process for. A. B. Cowdery. 1,743,433; Jan. 14.
 Rubber containers in boxes, Mounting. P. E. Fenton. 1,787,364; Dec. 30.
 Rubber derivative and making same. H. L. Fisher and H. A. Winkelmann. 1,782,140; Nov. 18.
 Rubber derivative and making same. W. N. Jones and H. A. Winkelmann. 1,751,817; Mar. 25.
 Rubber-device former. Y. H. Kurkjian. 1,773,148; Aug. 19.
 Rubber, Dispersed vulcanized. W. C. Geer and H. L. Trumbull. 1,754,886; Apr. 15.
 Rubber, Dispersing. R. P. Rose and H. E. Cude. 1,749,608; Mar. 4.
 Rubber dispersion, Production of aqueous. W. B. Pratt. 1,755,892; Apr. 22.
 Rubber, Electrodeposition of. W. A. Williams. 1,769,659; July 1.
 Rubber emulsion and making same. S. E. Sheppard and L. W. Eberlin. 1,769,717; July 1.
 Rubber emulsion and producing the same, Aqueous. W. B. Pratt. 1,755,890; Apr. 22.
 Rubber from guayule, etc., Extraction of. D. Spence. 1,753,185; Apr. 1.
 Rubber goods and making the same, Surface-finished. H. W. Emery. 1,762,165; June 10.
 Rubber goods from rubber dispersions, Manufacture of. P. Klein and A. Szegvari. 1,783,435; Dec. 2.
 Rubber isomer, Dispersed. H. L. Trumbull. 1,744,844; Jan. 28.
 Rubber latex and product obtained thereby, Treating. J. McGavack. 1,777,045; Sept. 30.
 Rubber latex and product thereof, Treating. W. B. Wescott. 1,762,494; June 10.
 Rubber-latex cement and preparing the same. B. Dewey and E. C. Crocker. 1,745,084; Jan. 28.
 Rubber latex, composition, and article formed thereby, Treating. E. Hopkinson and M. C. Teague. 1,765,015; June 17.
 Rubber latex, Concentrating. I. Traube. 1,754,842; Apr. 15.
 Rubber-latex serum, Recovering quebrachitol from. J. McGavack and G. B. Binnmore. 1,758,616; May 13.
 Rubber latex, Treating. F. H. Untiedt. 1,777,945; Oct. 7.
 Rubberlike composition and making same. F. C. Zobel. 1,786,281; Dec. 23.
 Rubberlike composition, Soft. E. H. Moss. 1,784,070; Dec. 9.
 Rubberlike masses, Preparation of. H. A. Bruson. 1,783,167; Nov. 25.
 Rubber-like substance from cashew-nut-shell oil and producing the same. M. T. Harvey. 1,771,785; July 29.
 Rubber, Manufacture of. W. A. Boughton. 1,781,492; Nov. 11.
 Rubber, Manufacture of. U. Pestalozza. 1,750,540; Mar. 11.
 Rubber mat. G. S. Osborn. 1,756,380; Apr. 29.
 Rubber, Method and apparatus for plying up. C. L. Foutz. 1,756,059; Apr. 29.
 Rubber, Ornamenting sheet. A. A. Glidden and F. D. Bean. 1,751,546; Mar. 25.
 Rubber or similar material. J. D. Berwick. Des. 82,475; Nov. 11.
 Rubber, Preserving. J. Teppema. 1,746,371; Feb. 11.
 Rubber, Preserving. J. Teppema. 1,781,306; Nov. 11.
 Rubber, Producing vulcanized. M. Bögemann and H. Friedrich. 1,783,216; Dec. 2.
 Rubber, Reclaimed. C. H. Campbell. 1,786,149; Dec. 23.
 Rubber, Reclaiming. G. J. Miller. 1,759,017; May 20.
 Rubber, Retarding the deterioration of. W. S. Calcott, and W. A. Douglass. 1,787,064-5; Dec. 30.
 Rubber sheet, Apparatus for the manufacture of laminated. A. C. Bowers and W. E. Humphrey. 1,778,307; Oct. 14.
 Rubber sheets from latex, Immediate production of mechanically-unworked pure. P. Klein. 1,750,177; Mar. 11.
 Rubber sole. H. T. Mason. 1,743,676; Jan. 14.
 Rubber-sole stock, Making. E. W. Dunbar and E. J. Dempsey. 1,776,353; Sept. 23.
 Rubber, Sponge. T. W. Miller. 1,778,270; Oct. 14.
 Rubber-spreading machines, Solvent-recovery apparatus for. E. A. Abeles. 1,752,875; Apr. 1.
 Rubber substance and making same. H. Beckmann. 1,745,657; Feb. 4.
 Rubber, Swab. L. M. McLeod. 1,775,403; Sept. 9.
 Rubber to leather, Vulcanizing. L. B. Conant. 1,769,943; July 8.
 Rubber to leather, Vulcanizing. L. B. Connant. 1,787,145; Dec. 30.
 Rubber tread and connecting the same to shoes. W. G. Rudolph. 1,770,671; July 15.
 Rubber treads for footwear, Manufacture of. C. Roberts. 1,773,377; Aug. 19.
 Rubber, Treatment of. P. I. Murrill and W. W. Evans. 1,755,703; Apr. 22.
 Rubber tubes, Method of and mold for splicing. C. E. Maynard. 1,762,831; June 10.
 Rubber, Vulcanizing. W. Scott. 1,756,810; Apr. 29.
 Rubber, Vulcanizing. W. Scott. 1,773,379; Aug. 19.
 Rubber vulcanization. W. Scott. 1,780,604; Nov. 4.

- Rubber, Vulcanization of. H. O. Chute. 1,782,713; Nov. 25.
- Rubber, Vulcanization of. B. S. Garvey. 1,774,322; Aug. 26.
- Rubber, Vulcanization of. W. Scott. 1,743,243; Jan. 14.
- Rubber-vulcanization process. V. W. Scott and W. P. ter Horst. 1,777,737; Oct. 7.
- Rubber-vulcanization process. W. P. ter Horst. 1,756,315; Apr. 29.
- Rubber with cellulosic derivatives, Coating. H. A. Bruson. 1,761,814; June 3.
- Rubbers, Dispersing reclaimed. R. P. Rose and H. E. Cude. 1,749,607; Mar. 4.
- Rubbing apparatus. H. B. Hatch. 1,777,039; Sept. 30.
- Rubbing machine. H. G. Partling. 1,775,186; Sept. 9.
- Rubbing machine. H. B. Scott. 1,747,396; Feb. 18.
- Rubbing machines, Pad holder for. G. H. Ekstrom. 1,785,695; Dec. 16.
- Rubbing pad. H. B. Scott. 1,761,541; June 3.
- Rubbing, sanding, and polishing machine. W. J. Maddox. 1,773,466; Aug. 19.
- Rudder. G. C. Corcoran. 1,777,912; Oct. 7.
- Rudder and brake control. E. R. Weaver. 1,782,524; Nov. 25.
- Rudder-angle-indicating device. G. M. and A. P. Marr. 1,783,251; Dec. 2.
- Rudder, Balanced. W. Scholz. 1,745,916; Feb. 4.
- Rudder, Balanced stream-line. A. G. van Aller. 1,774,460; Aug. 26.
- Rudder compensating device. R. Liebert. 1,779,398; Oct. 21.
- Rudder for irrigation ditchers, Auxiliary. R. C. Chattin. 1,777,688; Oct. 7.
- Rudders for ships, Arrangement of cutwater. M. Oertz. 1,744,138; Jan. 21.
- Ruffler, Sewing-machine. A. J. Carmichael. 1,786,517; Dec. 30.
- Rug. C. De Benedictis. 1,784,657; Dec. 9.
- Rug. P. C. Waite. 1,765,512; June 24.
- Rug and making same, Floor. B. N. Lougovoy. 1,784,805; Dec. 9.
- Rug and making the same. G. Belcher. 1,752,287; Apr. 1.
- Rug and making the same, Pile. W. Lembke. 1,775,533; Sept. 9.
- Rug-cleaning machine. W. T. Stride. 1,750,496; Mar. 11.
- Rug-cleansing mechanism. C. A. Smith, sr. 1,767,558; June 24.
- Rug-drying apparatus. L. E. Owens. 1,765,695; June 24.
- Rug-hanging apparatus. E. B. Horne. 1,756,642; Apr. 29.
- Rug or similar article. G. M. Fauser. Des. 80,677-85; Mar. 11.
- Rug, Traveling. E. Franks. Des. 82,216; Oct. 7.
- Rug-tufting machine. N. E. Hanson. 1,785,625; Dec. 16.
- Rug-tufting machine. A. S. Riviere. 1,785,650; Dec. 16.
- Rule, Carpenter's. R. Garbs. 1,767,789; June 24.
- Rule, Extension. H. Gassstrom. 1,768,679; July 1.
- Rule gauge, Combination. T. L. B. Armstrong. 1,753,191; Apr. 8.
- Rule, Measuring. D. W. Nearing. 1,754,903; Apr. 15.
- Ruler or scale. F. Barrett. 1,776,245; Sept. 23.
- Ruler square and miter square, Combined. T. J. Childress. 1,759,541; May 20.
- Rumble seat. V. F. Hitt and J. O. Evans. 1,768,466; June 24.
- Rumble-seat top. C. A. Heisler. 1,777,406; Oct. 7.
- Running board. H. J. Earl. Des. 82,547; Nov. 18.
- Running board and binding-strip assembly. H. T. Thomas. 1,777,590; Oct. 7.
- Running board, Composite. B. Bronson. 1,784,782; Dec. 9.
- Running horse. H. Rothschild. 1,773,062; Aug. 12.
- Running tread. A. Kegresse. 1,746,082; Feb. 4.
- Runways, System of. G. Hadden and C. A. Holden. 1,747,583; Feb. 18.
- Rust-proofing iron or steel. A. W. Schluchter. 1,761,936; June 3.
- Saccharine fluids, Treating. L. Wickenden. 1,783,551; Dec. 2.
- Sachet, Hair-curler. C. Reichman. 1,771,582; July 29.
- Sack, Cotton-picking. W. R. Keene. 1,782,354; Nov. 18.
- Sack-loading system. J. H. McDonnall. Re17,745; July 22.
- Sacks, bags, or other articles, Waterproofing. L. Motley. 1,745,437; Feb. 4.
- Saddle. H. Mesinger. 1,771,095; July 22.
- Saddle. J. P. Ratigan. 1,776,953; Sept. 30.
- Saddle for motor cycles and the like. C. A. Persons. 1,763,817; June 17.
- Saddle, Rope. A. P. Rose. 1,775,736; Sept. 16.
- Sadiron. H. L. Eigenbrot. 1,753,559; Apr. 8.
- Sadiron construction. J. C. Steese and C. A. Hoff. 1,764,126; June 17.
- Sadiron, Electric. W. Dubilier. 1,757,658; May 6.
- Safe, Burglar-proof. W. W. Burns. 1,765,049; June 17.
- Safe, Fireproof. C. F. Mellink. 1,747,836; Feb. 18.
- Safe for discarded razor blades. C. J. Ross. Des. 81,810; Aug. 12.
- Safe, Match. J. C. Dougherty. 1,743,328; Jan. 14.
- Safe, Portable food. F. F. Pfeifferkorn. 1,762,417; June 10.
- Safes, Gas-discharging device for. H. M. Anderson. 1,786,976; Dec. 30.
- Safety and change-over mechanism for moving-picture-projecting machines. H. C. Cornetta. 1,769,772; July 1.
- Safety apparatus for oil-storage tanks. H. J. Bucking. 1,753,401; Apr. 8.
- Safety apparatus for submarine vessels. A. B. Obidzinski. 1,776,334; Sept. 23.
- Safety appliance. J. G. Bollock. 1,748,860; Feb. 25.
- Safety appliance for air-brake systems. W. B. Smith, William M. Hammons, and J. B. Mullens. 1,764,359; June 17.
- Safety appliance for gas burners. F. J. Cancianich. 1,786,395; Dec. 23.
- Safety attachment for car brakes. E. Reichelderfer. 1,772,226; Aug. 5.
- Safety attachment for cottonseed linters. P. Honeycutt. 1,781,061; Nov. 11.
- Safety attachment for moving-picture-projecting machines. H. C. Cornetta. 1,766,607; June 24.
- Safety attachment for punch presses. B. J. Victor. 1,783,817; Dec. 2.
- Safety attachment for typesetting machines. D. P. McLaughlin. 1,764,803; June 17.
- Safety attachment for vehicle wheels. B. Reynolds. 1,756,212; Apr. 29.
- Safety-belt terminal, Window-washer's. J. Hagen. 1,743,915; Jan. 14.
- Safety belts and the like, Inflating device for. P. Markus. 1,772,674; Aug. 12.
- Safety block for mine cars. C. F. Keck. 1,759,791; May 20.
- Safety carrier. E. Cahill. 1,766,599; June 24.
- Safety chamber for submerged vessels. A. G. Johnson and C. W. Dewing. 1,765,233; June 17.
- Safety clamp. R. F. Williams. 1,774,623; Sept. 2.
- Safety clamp, Rail. W. G. Hughes. 1,744,966; Jan. 28.
- Safety control device for furnaces. T. A. E. Dickinson. 1,761,880; June 3.
- Safety control for conveyers, Automatic. P. Olson. 1,763,812; June 17.
- Safety-control switch. F. F. Bahnson. 1,773,086; Aug. 12.
- Safety crossing, Railway. G. E. Janosik. 1,748,882; Feb. 25.
- Safety device. S. R. Brown. 1,749,063; Mar. 4.
- Safety device. W. W. Criley. 1,786,006; Dec. 23.
- Safety device. J. H. Hammond, jr. 1,775,523; Sept. 9.
- Safety device. S. F. Ossing. 1,772,321; Aug. 5.
- Safety device. G. B. Perkins. 1,746,163; Feb. 4.
- Safety device. V. Seitz. 1,785,984; Dec. 23.
- Safety device and resetting mechanism, Combined. G. R. Folds and L. M. Persons. 1,763,394; June 10.
- Safety device, Automatic. L. L. Cunningham. 1,763,093; June 10.
- Safety device, Drawbar-key. E. R. Viberg. 1,756,406; Apr. 29.
- Safety device for aeroplanes or the like. J. C. Bechard. 1,779,871; Oct. 28.
- Safety device for air compressors. R. P. Pescara. 1,766,682; June 24.
- Safety device for aircraft. W. C. Ward. 1,787,294; Dec. 30.
- Safety device for airplanes. T. Berbeck. 1,763,498; June 10.
- Safety device for automobile starters. R. Littler, sr. 1,762,926; June 10.
- Safety device for boiler feed and delivery pipings. E. Ruschke. 1,765,883; June 24.
- Safety device for boilers. W. Beutel. 1,786,144; Dec. 23.
- Safety device for cam-controlled mechanisms. K. Tessky. 1,786,875; Dec. 30.
- Safety device for cranking and electric starter for automobiles. R. Littler, sr. 1,759,650; May 20.
- Safety device for electric heaters. L. P. Hynes. 1,760,064; May 27.
- Safety device for electric-lamp bulbs. P. G. Argüelles. 1,784,167; Dec. 9.
- Safety device for elevator cage and shaft doors. F. A. Boedter. 1,752,476; Apr. 1.
- Safety device for elevators. R. P. Higbee. 1,764,303; June 17.
- Safety device for elevators. C. G. Luehrman. 1,756,370; Apr. 29.
- Safety device for elevators. F. L. Moore. 1,765,690; June 24.
- Safety device for elevators. N. Scarpa. 1,780,568; Nov. 4.
- Safety device for gas stoves, Automatic. C. M. Patty, sr. 1,748,306; Feb. 25.
- Safety device for glasses. E. C. Schmitt. 1,779,015; Oct. 21.
- Safety device for grade crossings. T. Q. Smith. 1,777,234; Sept. 30.
- Safety device for internal-combustion engines. H. H. Esslinger. 1,770,264; July 8.
- Safety device for liquid-supply lines. F. E. Tugwell. 1,746,095; Feb. 4.
- Safety device for meters. C. N. Fulcher. 1,771,115; July 22.
- Safety device for motion-picture-projecting machines. J. E. Cohen. 1,763,922; June 17.
- Safety device for paper cutters. A. T. Moyer. 1,749,296; Mar. 4.
- Safety device for perforating machines. W. F. Lautenschlager. 1,769,699; July 1.
- Safety device for pneumatic hammers. F. Izzo. 1,766,296; June 24.
- Safety device for pottery machines, Automatic. W. J. Miller. 1,758,084; May 13.

- Safety device for presses. H. S. Walsh and M. H. Matheson. 1,768,531; June 24.
- Safety device for preventing the unauthorized use of automatic telephone apparatus. J. Marek. 1,771,800; July 29.
- Safety device for projectiles, grenades, and the like. G. Scaglia. 1,776,705; Sept. 23.
- Safety device for railway grade crossings. A. T. King. 1,773,043; Aug. 12.
- Safety device for rotary cathodes. A. W. Posey. 1,764,887; June 17.
- Safety device for steam boilers or generators, Automatic. S. H. López. 1,746,123; Feb. 4.
- Safety device for steam power plants. M. Eule. 1,779,967; Oct. 28.
- Safety device for submarines. W. C. Gordon. 1,777,693; Oct. 7.
- Safety device for tanks. A. Davis, jr. 1,785,729; Dec. 23.
- Safety device for vehicles, particularly power-driven vehicles. A. Addicks. 1,786,690; Dec. 30.
- Safety device for washing machines. A. R. Curtis. 1,756,181; Apr. 29.
- Safety device, Submarine. J. G. Steele. 1,766,845; June 24.
- Safety device, Twist-off. P. Yungling. 1,779,793; Oct. 28.
- Safety equipment for aircraft. D. G. Coplen. 1,782,134; Nov. 18.
- Safety equipment, Grade-crossing. H. S. Coder. 1,765,906; June 24.
- Safety gate. W. R. Dunnam. 1,773,100; Aug. 19.
- Safety hook. G. Raymond. 1,773,373; Aug. 19.
- Safety landing device. S. Maier. 1,770,528; July 15.
- Safety lock. T. Kromer. 1,783,923; Dec. 2.
- Safety lock. O. F. Pesch. 1,772,728; Aug. 12.
- Safety lock, Electric-circuit. A. B. Esseltine. 1,749,070; Mar. 4.
- Safety lock, Electric-circuit. W. W. Sloane. 1,749,091; Mar. 4.
- Safety lock, Unlockable. T. B. Lewis. 1,745,495; Feb. 4.
- Safety motor aircraft. J. V. Martin. 1,770,937; July 22.
- Safety pin. W. Colby. 1,774,083; Aug. 26.
- Safety pin. G. W. Hawes. 1,777,919; Oct. 7.
- Safety pin. Le R. J. Thompson. 1,769,477; July 1.
- Safety retaining means. L. L. Custer. 1,775,988; Sept. 16.
- Safety signal. T. E. Collins. 1,773,346; Aug. 19.
- Safety signal, Automatic railway. F. Smitt. 1,751,845; Mar. 25.
- Safety spring. F. E. Justus. 1,771,299; July 22.
- Safety spring clasp. A. Blustein. 1,764,240; June 17.
- Safety switch. B. E. Getshell. 1,761,117; June 3.
- Safety switch. M. D. Reis, jr., and A. F. Meade. 1,761,681; June 3.
- Safety switch, Automatic. B. E. Getshell. 1,759,395; May 20.
- Safety switch, Inclosed. H. J. Hammerly. 1,758,441; May 13.
- Safety switch, Quick-make-and-break. A. E. Griswold. 1,764,401; June 17.
- Safety system. W. Rohkohl. 1,752,852; Apr. 1.
- Safety tank. M. de A. Unzue. 1,779,786; Oct. 28.
- Safety turn light. P. H. Zentner. 1,761,285; June 3.
- Sales apparatus, Coin-controlled. F. Eller. 1,784,585; Dec. 9.
- Sales indicating mechanism. G. W. Osborne. 1,758,330; May 13.
- Sales package and razor, Combined. J. Schick. 1,767,707; June 24.
- Salicylate composition, Stable. M. Coplans. 1,764,933; June 17.
- Saline, alkaline, acid, or other impurities in water and other fluid, Indicating the presence of. W. C. Crockatt. 1,774,319; Aug. 26.
- Salt and pepper shaker. J. C. Kelly. Des. 82,431; Nov. 4.
- Salt and pepper shaker. J. B. Neal. 1,779,614; Oct. 28.
- Salt and pepper shaker or similar article. J. W. Jennings. Des. 82,559; Nov. 18.
- Saltcellar. W. F. Connor. 1,744,952; Jan. 28.
- Salt cup. B. C. Rivers. 1,762,589; June 10.
- Salt drier. M. J. Lurie, and A. P. Woroshilow. 1,787,009; Dec. 30.
- Salt-filling machine. W. F. Butler. 1,753,548; Apr. 8.
- Salt, Method and apparatus for the manufacture of. W. F. Downing, jr. 1,768,399; June 24.
- Salt or pepper shaker. A. J. Flauder. Des. 80,515; Feb. 18.
- Salt or rock layers, Locating. J. G. Koenigsberger. 1,743,358; Jan. 14.
- Salt preparation, Diazo. F. Keller and K. Schnitzspahn. 1,758,912; May 13.
- Salt shaker. J. L. Dinsmoor. 1,757,297; May 6.
- Salt-water reel. F. M. Case. 1,765,903; June 24.
- Salts from alkali metal and aluminum, Making solutions of. H. Brenek. 1,745,734; Feb. 4.
- Salts into globular or similar shaped bodies, Conversion of. B. Haak. 1,782,038; Nov. 18.
- Salts of alkaline earth metals. F. Lindner. 1,751,932; Mar. 25.
- Salts of calcium nitrate, Manufacture of double. E. Luscher. 1,776,694; Sept. 23.
- Salts of half esters of phthalic acid, Making polyvalent metallic. W. J. Bannister. 1,779,654; Oct. 28.
- Salts of half esters of phthalic acid, Making polyvalent metallic. W. J. Bannister. 1,779,688; Oct. 28.
- Salts of paradialkylaminoaryl-phosphinous acids, Stable and sterilized solution of. L. Benda. 1,758,425; May 13.
- Salute. A. Fabrizio. 1,761,820; June 3.
- Salute and making same. A. Cimorosi. 1,783,999; Dec. 9.
- Salvaging equipment. T. J. Burke. 1,771,205; July 22.
- Salvaging tin cans, Mechanism for. W. C. Frick. 1,761,984; June 3.
- Sample system, Loose-leaf. J. A. Shehyn. 1,770,325; July 8.
- Sample thief. W. D. Dunn and R. Jefferys. 1,759,444; May 20.
- Sample tube. A. B. Cunningham. 1,755,285; Apr. 22.
- Sampler. R. W. Ellms. 1,784,485; Dec. 9.
- Sampler, Formation. G. A. Poole and S. G. Forney. 1,753,066; Apr. 1.
- Sampler, Liquid. L. Adams. 1,744,193; Jan. 21.
- Sampling device and the like. P. Haertl. 1,775,641; Sept. 16.
- Sampling materials, Mechanism for. C. F. Rhodes. 1,769,461; July 1.
- Sampling materials, Method of and mechanism for. C. F. Rhodes. 1,769,462; July 1.
- Sand and material for treating same, Molding. C. C. De Witt. 1,770,685; July 15.
- Sand and scale trap. S. L. Hirst. 1,772,946; Aug. 12.
- Sand-bag construction. S. C. Markatos. 1,772,153; Aug. 5.
- Sand-blast device. C. A. Dreisbach. 1,774,703; Sept. 2.
- Sand-blast equipment, Combined. H. W. Titgen. 1,747,884; Feb. 18.
- Sand box, Playground. P. Medart and S. and F. Albach. 1,748,932; Feb. 25.
- Sand cap. J. D. Lemex and D. R. Smith. 1,785,272; Dec. 16.
- Sand cores, Apparatus for making. F. H. Morehead. 1,743,473; Jan. 14.
- Sand cores, Method and apparatus for making. F. H. Morehead. 1,743,281; Jan. 14.
- Sand cutter. W. E. Naylor. 1,761,224; June 3.
- Sand drier. V. Foster. 1,773,984; Aug. 26.
- Sand-drying apparatus. R. Tuck. 1,781,484; Nov. 11.
- Sand filter beds and the like, Apparatus for cleaning. J. Peebles. 1,748,898; Feb. 25.
- Sand handling and molding apparatus. M. W. Goldberg. 1,748,124; Feb. 25.
- Sand in foundries, Apparatus for handling. W. E. Naylor. 1,759,625; May 20.
- Sand, Molding. L. L. Mathieu. 1,776,686; Sept. 23.
- Sand molds, Drying. R. Sculthorpe. 1,749,448; Mar. 4.
- Sand molds, Forming. J. T. Stoney. 1,768,429; June 24.
- Sandpapering machine. H. A. Loveland. 1,749,709; Mar. 4.
- Sandpapering-machine casing. C. H. Petskeyes. Des. 81,886; Aug. 26.
- Sand screen. W. H. Wangelin. 1,785,161; Dec. 16.
- Sand separator. K. A. Enz and D. J. McCormack. 1,751,689; Mar. 25.
- Sand-slinging machine. E. P. Jansson. 1,773,694; Aug. 19.
- Sand-washing meter. F. W. Herring. 1,770,308; July 8.
- Sander and bumper, Combined. C. W. Nordquist. 1,745,705; Feb. 4.
- Sanding and chamfering machine. J. W. Rosche. 1,750,433; Mar. 11.
- Sanding apparatus, Track. J. Gapp. 1,755,643; Apr. 22.
- Sanding appliance for use with locomotives. J. E. Connelley. 1,755,428; Apr. 22.
- Sanding device for automobiles and the like. J. N. Reese. 1,765,772; June 24.
- Sanding device for automobiles, Road. N. E. Whipple. 1,786,377; Dec. 23.
- Sanding device for motor vehicles. W. C. and W. Martin. 1,781,120; Nov. 11.
- Sanding device for vehicles. L. L. Hopkins. 1,755,823-4; Apr. 22.
- Sanding device, Vehicle. W. H. H. Everett. 1,783,834; Dec. 2.
- Sanding machine. R. A. Reid. 1,776,450; Sept. 23.
- Sanding machine, Electric hand. B. W. Ergle. 1,759,104; May 20.
- Sandal. R. Monsch. Des. 82,514; Nov. 11.
- Sandal, Bathing. L. Auster. 1,698,328; July 1.
- Sandal, Bathing. L. Auster. 1,773,127; Aug. 19.
- Sandwich board. C. P. Shinn. Des. 81,894; Aug. 26.
- Sandwiches, Making chewing-gum. G. B. Mustin. 1,771,506; July 29.
- Sanitary appliance. H. Abrahamson. 1,750,084; Mar. 11.
- Sanitary belt. V. D. McKelvey. 1,745,106; Jan. 28.
- Sanitary belt and pad. J. A. Speight. 1,772,019; Aug. 5.
- Sanitary napkin and supporter. M. Malouf. 1,747,901; Feb. 18.
- Sanitary napkins, Making. F. G. Crane. 1,773,956; Aug. 26.
- Santa Claus, Electrically-illuminated. G. Lehmann. Des. 81,393; June 17.
- Santalol compounds, Manufacture of. H. Walter. 1,761,376; June 3.
- Sash adjuster, Window. J. Biron. 1,742,803; Jan. 7.
- Sash and casing, Window. O. R. Hankins and J. R. M. Knudsen. 1,773,730; Aug. 26.
- Sash and door constructions, Device for hunting bars and mountings in. L. G. Edgecomb. 1,766,707; June 24.

- Sash and frame construction, Window. H. E. Campbell. 1,750,296; Mar. 11.
- Sash balance. J. P. Appleby. 1,760,226; May 27.
- Sash balance. K. Katow. 1,787,111; Dec. 30.
- Sash balance. A. H. Kersting. 1,762,821; June 10.
- Sash balance. R. Lanzillotta. 1,783,573; Dec. 2.
- Sash balance, Window-. A. C. Fast. 1,771,997; Aug. 5.
- Sash bar. W. H. Leacock, J. L. Snyder. 1,772,630; Aug. 12.
- Sash construction. C. G. Nelson. Re1,706; June 17.
- Sash construction. C. G. Nelson. 1,754,759; Apr. 15.
- Sash control, Silent friction-grip. G. E. Srack. 1,746,447; Feb. 11.
- Sash guide. R. L. Greist. 1,759,571; May 20.
- Sash guide. W. S. Hamm and R. L. Greist. 1,761,297; June 3.
- Sash guide. G. H. Howenstein. 1,743,454; Jan. 14.
- Sash guide. W. E. Keller. 1,754,517; Apr. 15.
- Sash jack. E. T. Clough. 1,748,207; Feb. 25.
- Sash lift. H. E. Campbell. 1,763,577; June 10.
- Sash machine, Automatic. D. B. Mackenzie. 1,762,273; June 10.
- Sash, Metal window. C. H. Turner. 1,763,489; June 10.
- Sash mounting. J. A. Stewart. 1,786,036; Dec. 23.
- Sash mullion, Window. E. C., A. F., and C. Pohland, sr. 1,759,710; May 20.
- Sash-operating apparatus. T. E. King. 1,757,720; May 6.
- Sash-operating mechanism. E. W. Terhune. 1,769,723; July 1.
- Sash-operating mechanism. A. J. Zwierzina. 1,749,555; Mar. 4.
- Sash plug. E. D. Barringer. 1,751,679; Mar. 25.
- Sash-position-indicating device. W. Roy. 1,756,912; Apr. 29.
- Sash sustainer. E. H. Ellison. 1,770,605; July 15.
- Sash weight. C. E. Bowers. 1,766,373; June 24.
- Sash, Window. F. Klein. 1,769,064; July 1.
- Sash, Window. M. A. Piotti. 1,760,994; June 3.
- Sashes, Friction shoe for window. J. P. Appleby. 1,760,227; May 27.
- Saturating apparatus. H. A. Sjodahl. 1,778,733; Oct. 21.
- Sausage and meat mold. C. T. Fischer. 1,779,119; Oct. 21.
- Sausage-casing machine. J. S. Krob. 1,784,693; Dec. 9.
- Sausage-forming machine. F. Kruse. 1,743,853; Jan. 14.
- Sausage-linking mechanism. W. J. O. Johnson. 1,759,851; May 27.
- Sausage stuffing and linking machine. F. H. Parker. 1,759,587; May 20.
- Sausages and smoked or cooked meats, Coating. C. G. Hasselblad and A. J. Cattellier. 1,765,485; June 24.
- Saw. C. A. Bowen. 1,763,500; June 10.
- Saw. A. Kuenne. 1,755,067; Apr. 15.
- Saw. R. B. Prentice. 1,771,722; July 29.
- Saw. I. Shafer. 1,779,857; Oct. 28.
- Saw. K. Wagner. 1,755,717; Apr. 22.
- Saw. R. L. Walrath. 1,773,557; Aug. 19.
- Saw blade. E. A. Bolinder. 1,762,586; Apr. 1.
- Saw. Rone. P. B. Magnuson. 1,770,240; July 8.
- Saw, Chain. K. Berg. 1,786,641; Dec. 30.
- Saw, Chain. T. H. De Haven. 1,763,095; June 10.
- Saw construction. R. G. Bevis. 1,775,361; Sept. 9.
- Saw, Cut-off. W. F. Pfau. 1,767,012; June 24.
- Saw, Dado. W. B. Huther. 1,782,507; Nov. 25.
- Saw, Dental floss. A. Bohm. 1,771,026; July 22.
- Saw-depithing machine. A. C. White. 1,778,053; Oct. 14.
- Sawdust burner. A. C. Kennedy. 1,767,138; June 24.
- Sawdust, Treating. E. Erlendbach. 1,764,249; June 17.
- Saw, Electrically-driven. E. F. Manthey. 1,764,111; June 17.
- Saw-filing device. J. A. Waller. 1,754,373; Apr. 15.
- Saw-filing-machine attachment. H. T. Purfield. 1,748,394; Feb. 25.
- Saw-filing stand. R. J. Stiffemire. 1,755,415; Apr. 22.
- Saw frame. G. B. Carlson. 1,742,948; Jan. 7.
- Saw frame, Portable power-driven. T. J. Fegley and G. O. Leopold. Des. 81,365; June 10.
- Saw, Gang. C. F. Moses. 1,767,390; June 24.
- Saw guard. F. C. Kummer. 1,764,634; June 17.
- Saw guard. W. S. Neighbour. 1,774,521; Sept. 2.
- Saw guide. W. W. Edwards. 1,783,330; Dec. 2.
- Saw guide and rest, Tree-felling-. W. S. Neal. 1,771,137; July 22.
- Saw guide, Band-. J. R. Bishon. 1,760,577; May 27.
- Saw, Hack. H. L. Ridgers. 1,778,916; Oct. 21.
- Saw handle, Crosscut-. V. Nylund. 1,769,535; July 1.
- Saw, Inserted-tooth. E. C. Orr. 1,752,541; Apr. 1.
- Saw, Inserted tooth for. E. C. Orr. 1,786,959; Dec. 30.
- Saw lift, Trimmer-. G. W. Dorman. 1,747,430; Feb. 18.
- Saw, Machine. W. Westwood. 1,773,800; Aug. 26.
- Saw machine, Circular-. H. Gopold. 1,787,195; Dec. 30.
- Saw, Meat. George F. Felster. 1,771,035; July 22.
- Sawmill. H. C. Morris. 1,747,123; Feb. 11.
- Sawmill-block cleaner. A. Brattle. 1,768,029; June 24.
- Sawmill carriage. G. M. Pelton. 1,746,554; Feb. 11.
- Sawmill carriage. G. M. Pelton. 1,749,109-110; Mar. 4.
- Sawmill-carriage dog. W. C. Bidwell and A. M. Kirkwood. 1,774,311; Aug. 26.
- Sawmill carriages, Device for controlling the travel of tong dogs for. E. A. Ferris. 1,781,220; Nov. 11.
- Sawmill carriages, Differential truck for. E. A. Ferris. 1,781,221; Nov. 11.
- Sawmill dogging means. G. M. Pelton. 1,749,108; Mar. 4.
- Saw, Motor-operated. I. G. Blundell. 1,770,294; July 8.
- Saw, Pond-ice. J. H. Fisch. 1,770,467; July 15.
- Saw, Portable chain. J. Daw. 1,766,013; June 24.
- Saw, Portable motor-driven hack. T. E. Sinclair. 1,776,173; Sept. 16.
- Saw, Portable power. J. M. Crowe. 1,780,174; Nov. 4.
- Saw, Power. H. F. Thompson. 1,756,527; Apr. 29.
- Saw, Power-driven. J. O. Olsen. 1,765,733; June 24.
- Saw, Power-operated miter. S. A. Roth and G. F. Toner. 1,758,623; May 13.
- Saw, Pruning. J. S. Talmage. 1,769,400; July 1.
- Saw, Pruning. O. L. Ward. 1,787,057; Dec. 30.
- Saw, Pruning and tree-topping. A. A. Swick. 1,771,664; July 29.
- Saw rig. G. F. Schaper and J. A. Schmitz. 1,762,798; June 10.
- Saw, Rotary. B. L. Aborn. 1,785,065; Dec. 16.
- Saw set. M. Blokker. 1,771,395; July 29.
- Saw set. C. Bodmer. 1,746,692; Feb. 11.
- Saw set. F. E. Collier. 1,763,760; June 17.
- Saw set. J. M. Rogers. 1,774,039; Aug. 26.
- Saw set. W. M. Rush. 1,747,086; Feb. 11.
- Saw set. J. O. Woods. 1,766,009; June 24.
- Saw-setting device. H. H. Knott. 1,786,071; Dec. 23.
- Saw-setting device. E. C. Stearns. 1,770,598; July 15.
- Saw-sharpening machine. W. Cooper and S. H. Mullikin. 1,762,854; June 10.
- Saw, Stone. D. F. McGovern. 1,775,354; Sept. 9.
- Saw, Straight-line overhead cut-off. S. Madsen. 1,764,965; June 17.
- Saw, Surgical. H. L. von Lackum. 1,763,730; June 17.
- Saw table. C. E. Palmeter. 1,763,478; June 10.
- Saw-tensioning roller, Band. A. E. Proctor. 1,778,275; Oct. 14.
- Saw-tooth gauge. C. Ross. 1,770,324; July 8.
- Saw, Traveling. J. Klingele. 1,778,639; Oct. 14.
- Saw trough, Rip-. F. B. Hagar. 1,779,769; Oct. 28.
- Saw with motor-reciprocated blades, Hack. M. A. Plut. 1,775,692; Sept. 16.
- Sawing and jig sawing machine, Band. C. E. Sullenberger. 1,769,656; July 1.
- Sawing device. B. Balke. 1,744,201; Jan. 21.
- Sawing machine. A. E. De Koning. 1,778,971; Oct. 21.
- Sawing machine. A. E. De Koning. 1,780,176; Nov. 4.
- Sawing machine. C. I. Hoag. 1,752,487; Apr. 1.
- Sawing machine. A. C. Jacobson. 1,746,594; Feb. 11.
- Sawing machine. C. I. Longenecker. 1,762,023; June 3.
- Sawing machine, Band-. C. E. Sullenberger. 1,757,785; May 6.
- Sawing machine, Commutator-. R. W. Baker. 1,761,032; June 3.
- Sawing machine for tree felling and log cutting. O. E. Hennig. 1,778,321; Oct. 14.
- Sawing machine, Metal-. C. Rasmussen. 1,780,439; Nov. 4.
- Sawing machine, Metal-. J. S. Toohy and M. E. Erskine. 1,765,316; June 17.
- Sawing machine, Portable. H. Rich. 1,784,709; Dec. 9.
- Sawing machine, Stone-. F. R. Patch. 1,746,737; Feb. 11.
- Sawing machine, Stone-. A. E. Wienholz and F. Siefke. 1,743,057; Jan. 7.
- Sawing machine, Wood-. P. G. Freshwater and O. G. Fishel. 1,756,287; Apr. 29.
- Sawing machines, Jointer attachment for portable. D. F. Printz. 1,755,894; Apr. 22.
- Saws, Attachment for. G. Hare. 1,764,951; June 17.
- Saws, Attachment for composing-room. E. Cheshire. 1,776,347; Sept. 23.
- Saws, Attachment for use in connection with circular and other. D. W. Laws. 1,744,006; Jan. 14.
- Saws of gang edgers, Mechanism for shifting the. G. M. Pelton. 1,744,499; Jan. 21.
- Saws, Treating mill band. O. Muehlen. 1,786,444; Dec. 30.
- Sawyer's hook. E. Bergdal. 1,757,610; May 6.
- Saxophone. M. A. Stover. 1,777,902; Oct. 7.
- Saxophone, clarinet, or other wind instrument. P. J. Packman and S. V. George. 1,748,077; Feb. 25.
- Saxophone high-note keys. G. C. Gregg. 1,777,200; Sept. 30.
- Saxophone mouthpiece. P. Arthur. 1,770,965; July 22.
- Saxophone mouthpiece and making the same. P. Arthur. 1,771,109; July 22.
- Saxophone or similar article. H. W. Schwartz. Des. 82,061; Sept. 16.
- Saxophones, Mechanism of. C. S. MacDonald. 1,745,430; Feb. 4.
- Scaffold. C. M. Goodrich. 1,772,142; Aug. 5.
- Scaffold. S. R. Mansfield. 1,765,685; June 24.
- Scaffold. D. T. Morton. 1,776,565; Sept. 23.
- Scaffold. W. G. Venard. 1,785,399; Dec. 16.
- Scaffold, Adjustable. K. Marcinauskas. 1,776,950; Sept. 30.
- Scaffold bracket. P. E. Goodwin. 1,762,659; June 10.
- Scaffold bracket, Chimney. 1,770,097; July 8.
- Scaffold, Cable. F. B. Johnston. 1,750,269; Mar. 11.
- Scaffold, Casement-window. S. L. Smerk. 1,757,396; May 6.
- Scaffold construction. C. R. Uris. 1,750,869; Mar. 18.
- Scaffold jack. R. Van Bakkum. 1,754,132; Apr. 8.
- Scaffold lift. P. Corcoran. 1,775,236; Sept. 9.
- Scaffold machine. F. B. Johnston. 1,745,491; Feb. 4.
- Scaffold raising and lowering device. J. F. Costello. 1,751,131; Mar. 18.
- Scaffold, Window. E. Schultz. 1,760,009; May 27.
- Scaffold, Window-worker's. F. J. Lindloff. 1,777,373; Oct. 7.

- Scaffolding, Adjustable. H. Ball. 1,781,911; Nov. 18.
Scaffolding, Brick-layer's. G. Cornuelle. 1,742,236; Jan. 7.
Scale. A. Bousfield. 1,759,885-6; May 27.
Scale. H. M. Brummer. Des. 17,819; Oct. 7.
Scale. J. W. Bryce. 1,747,617; Feb. 18.
Scale. J. W. Bryce. 1,773,570; Aug. 19.
Scale. G. C. Devitt. 1,746,243; Feb. 11.
Scale. C. Dollack. 1,760,898; June 3.
Scale. N. L. Fellows. 80,871; Apr. 1.
Scale. W. N. Gilbert. 1,746,251; Feb. 11.
Scale. W. N. Gilbert. 1,770,610; July 15.
Scale. W. N. Gilbert. 1,777,881; Oct. 7.
Scale. H. A. Hadley. 1,759,900; May 27.
Scale. N. A. Hallwood. 1,745,671; Feb. 4.
Scale. N. A. Hallwood. 1,754,359; Apr. 15.
Scale. N. A. Hallwood. 1,769,780; July 1.
Scale. L. Jaenichen. 1,748,351; Feb. 25.
Scale. L. Jaenichen. 1,755,478; Apr. 22.
Scale. B. W. King. Des. 81,009; Apr. 22.
Scale. B. W. King. 1,766,826; June 24.
Scale. H. E. Knupp. Des. 82,748; Dec. 9.
Scale. E. B. Locke. 1,742,819; Jan. 7.
Scale. W. S. Smith. 1,772,294; Aug. 5.
Scale. W. F. Stimpson and W. E. Finch. 1,755,751; Apr. 22.
Scale. W. F. Stimpson and R. L. Schuhmann. 1,786,788; Dec. 30.
Scale. T. H. Strachan. 1,760,611; May 27.
Scale. N. Tatham. 1,752,711; Apr. 1.
Scale and fortune-telling machine, Combination-. T. W. B. Watling. 1,774,622; Sept. 2.
Scale, Automatic. H. A. Hadley. 1,749,747; Mar. 4.
Scale, Automatic. F. A. Moran and M. Ruckes. 1,768,855; July 1.
Scale, Automatic and semiautomatic weighing. W. Timson. 1,778,006; Oct. 7.
Scale, Automatic recording. L. A. Osgood and E. E. Wolf. 1,749,192; Mar. 4.
Scale, Bathroom. J. W. Rockefeller, jr. 1,772,913; Aug. 12.
Scale beam. J. E. Seederer. 1,779,263; Oct. 21.
Scale casing and platform, Combined weighing-. M. H. Hansen. Des. 81,746; Aug. 5.
Scale casing, Weighing-. L. D. Chambers. Des. 82,659; Dec. 2.
Scale, Computing. N. A. Hallwood. 1,758,037; May 13.
Scale, Computing. J. S. Ogsbury. 1,772,464; Aug. 12.
Scale, Computing. O. C. Reeves. 1,767,813; June 24.
Scale, Counting. L. Jaenichen. 1,761,210; June 3.
Scale, Counting. W. R. Mittendorf. 1,764,275; June 17.
Scale, Flow-controlling. E. G. Thomas. 1,785,370; Dec. 16.
Scale for fishing rods, Fish-weighing. T. T. Reynolds. 1,750,193; Mar. 11.
Scale from water jackets of internal-combustion engines, Removing. W. N. Moore. 1,783,478; Dec. 2.
Scale, Hydraulic. G. W. Calvert. 1,782,255; Nov. 18.
Scale incrustations, Means and apparatus for removing and preventing. G. S. Neeley. 1,773,275; Aug. 19.
Scale, Laundry-bag. G. Guldbrandsen. 1,749,746; Mar. 4.
Scale-magnifying attachment for rulers. G. M. Kaler. 1,773,899; Aug. 26.
Scale mechanism. L. T. Johnson. 1,767,213; June 24.
Scale pan. R. A. Kopp. 1,756,292; Apr. 29.
Scale, Platform. A. Bousfield. 1,759,884; May 27.
Scale, Platform. A. C. Howard. 1,759,902; May 27.
Scale-platform clearer. L. W., W. A., and G. H. Northfield. 1,749,599; Mar. 4.
Scale, Railway-track. M. H. Starr. 1,753,097; Apr. 1.
Scale, Recording. G. R. Wood. 1,750,207; Mar. 11.
Scale removing and preventing apparatus. G. S. Neeley. 1,773,274; Aug. 19.
Scale, Scoop. J. M. Bensinger. 1,787,352; Dec. 30.
Scale, Spring. H. M. Bringham. 1,785,541; Dec. 16.
Scale trap. Ward S. Ireland. 1,771,042; July 22.
Scale, Weighing. K. E. Barrett and G. K. Fuller. 1,759,880; May 27.
Scale, Weighing. J. W. Bryce. 1,777,873; Oct. 7.
Scale, Weighing. A. L. Buck. 1,760,342; May 27.
Scale, Weighing. F. E. Carlson. 1,772,277; Aug. 5.
Scale, Weighing. T. B. Flanagan. Des. 80,259-60; Jan. 7.
Scale, Weighing. T. B. Flanagan. Des. 81,832; Aug. 19.
Scale, Weighing. N. A. Hallwood. 1,758,036; May 13.
Scale, Weighing. C. H. Haggood. 1,767,744; June 24.
Scale, Weighing. H. O. Hem. 1,768,478; June 24.
Scale, Weighing. H. O. Hem. 1,773,358; Aug. 19.
Scale, Weighing. S. N. Hurt. 1,768,480; June 24.
Scale, Weighing. S. N. Hurt. 1,785,382; Dec. 16.
Scale, Weighing. L. Jaenichen. 1,782,654; Nov. 25.
Scale, Weighing. F. R. Moser, jr. 1,765,691; June 24.
Scale, Weighing. L. A. Osgood. 1,782,125; Nov. 18.
Scale, Weighing. B. Radtke. 1,767,186; June 24.
Scale, Weighing. O. C. Reeves. 1,746,362; Feb. 11.
Scale, Weighing. H. C. Schaper. 1,743,163; Jan. 14.
Scale, Weighing. T. H. Strachan. 1,762,204; June 10.
Scale, Weighing. E. F. Ulrich. 1,780,411; Nov. 4.
Scale, Weighing. A. Van Durn. 1,777,537; Oct. 7.
Scale, Weighing. T. W. B. Watling. 1,785,849; Dec. 23.
Scale, Weighing. C. J. Zinke and O. C. Reeves. 1,773,333; Aug. 19.
Scaling and grading instrument. C. Russell. 1,772,638; Aug. 12.
Scaling instrument. J. D. Carter. 1,768,828; July 1.
Scales, Counting device for. H. M. Cameron. 1,758,648; May 13.
Scales, Indicator for. A. W. Ferguson and R. J. Burke. 1,757,766; May 6.
Scales, Predetermined-weight-indicating device for. G. R. Wood. 1,742,229; Jan. 7.
Scales, Rack-rod assembly for. R. J. Burke. 1,783,826; Dec. 2.
Scales, Weather shield for track. C. E. Fuller. 1,759,899; May 27.
Scales, Weight-printing mechanism for. H. E. Spencer. 1,781,793; Nov. 18.
Scales, Weight reading and printing mechanism for. A. Koronski. 1,757,722; May 6.
Scalp and hair, Device for cleaning the. J. L. Henderson. 1,755,151; Apr. 15.
Scalp-treating apparatus. D. C. Shelton. 1,772,501; Aug. 12.
Scalps, Appliance for treating. O. K. Businger. 1,744,443; Jan. 21.
Scanning device. W. Scheppmann. 1,763,482; June 10.
Scanning device. E. A. Tambert. 1,767,718; June 24.
Scanning disk. A. O. Tate. 1,779,518; Oct. 28.
Scaff. H. Gordon. Des. 81,785; Aug. 12.
Scaff. H. Gordon. Des. 82,257; Oct. 14.
Scaff or similar article, Lace. L. Dinkelspiel. Des. 81,868-70; Aug. 26.
Scarfpin. C. S. Bichele. Des. 82,784-9; Dec. 16.
Scarfing machine. W. S. Griffith and E. H. Hathaway. 1,756,640; Apr. 29.
Scavenger mechanism for splining frames. F. K. Hendrickson. 1,774,372; Aug. 26.
Scenes, Device for depicting rural. C. S. Dernbach. 1,753,111; Apr. 1.
Scenic display device. C. B. and H. P. Maurer. 1,756,565; Apr. 29.
School form. K. Von Rosenstiel. 1,772,234; Aug. 5.
Scissors. G. Miriello. 1,783,853; Dec. 2.
Scissors. J. M. Woythal. 1,755,141; Apr. 15.
Scissors. W. A. Zeidler. 1,778,346; Oct. 14.
Scissors. W. A. Zeidler. 1,779,956; Oct. 28.
Scissors and pliers, Combination. W. H. Bonehill. 1,775,086; Sept. 9.
Scissors, Detachable-bladed. F. L. Ralston. 1,783,583; Dec. 2.
Scissors, Electric. A. Lucich. 1,782,473; Nov. 25.
Scissors, Serving. M. Goldman. Des. 81,689; July 29.
Scissors, shears, and the like. J. H. C. Boyd. 1,748,701; Feb. 25.
Scoop and shovel, Combined. M. Martenson. 1,774,027; Aug. 26.
Scoop, Container-charging ice-cream. E. M. Story. 1,756,609; Apr. 29.
Scoop, Drag-. R. B. Coffman. 1,760,116; May 27.
Scoop, Excavator. R. R. Downie. 1,783,831; Dec. 2.
Scoop, Oven. H. L. Fischacher. 1,781,635; Nov. 11.
Scoop rack, Portable. G. L. Curle. 1,758,148; May 13.
Scooter. O. H. Gentry. 1,754,887; Apr. 15.
Scooter, Aerial. H. H. Stoner and W. D. Stoner. Des. 82,189; Sept. 30.
Scooter, Foot-power. W. V. Van Etten. 1,761,601; June 3.
Scooter, Ice. R. Roessel. 1,745,643; Feb. 4.
Score board, Athletic. E. L. Morris. 1,774,721; Sept. 2.
Score board or similar article. H. L. Schroeder. Des. 81,260; May 27.
Score-calculating device. F. H. Bigelow. 1,768,285; June 24.
Score-calculating device. B. W. Bowman. 1,771,614; July 29.
Score indicator, Bridge-. H. R. and A. A. Thomas. Des. 80,644; Mar. 4.
Scoring machine. J. M. Hothersall. 1,774,011; Aug. 26.
Scoring wheel. C. S. Lenston. 1,750,718; Mar. 18.
Scotometer. H. M. Armstrong. 1,771,908; July 29.
Scouring device. D. J. Mayer. 1,758,452; May 13.
Scouring implement. D. J. Mayer. 1,762,182; June 10.
Scouring machine. H. Warren. 1,754,292; Apr. 15.
Scow. W. A. Bickell. 1,786,514; Dec. 30.
Scrap-bundling machine. F. P. Prindle. 1,765,356; June 17.
Scraper. S. Alexander. 1,768,537; July 1.
Scraper. L. P. Green. 1,749,741; Mar. 4.
Scraper. L. P. Green. 1,759,505; May 20.
Scraper. H. M. Hurd. 1,746,859; Feb. 11.
Scraper. W. V. Hutchison. 1,757,251; May 6.
Scraper. E. S. McCandless. 1,775,206; Sept. 9.
Scraper. W. Potter. 1,777,677; Oct. 7.
Scraper. W. K. Robbins. 1,753,022; Apr. 1.
Scraper. B. E. Rose. 1,750,132; Mar. 11.
Scraper and leveler, Ground. J. T. Compton. 1,782,646; Nov. 25.
Scraper, Bearing. J. C. Barbee. 1,777,780; Oct. 7.
Scraper blade and hardening the same. W. B. Bronander. 1,760,630; May 27.
Scraper, Boot and shoe. J. N. Santhony. 1,768,375; June 24.
Scraper-control mechanism. W. H., I. D., and R. E. Guy. 1,784,284; Dec. 9.
Scraper, Draft-operated. F. V. Hicks. 1,762,334; June 10.
Scraper, Duplex power. H. M. Pursel. 1,786,448; Dec. 30.
Scraper, Earth. J. H. Slaker. 1,760,016; May 27.
Scraper for belt-making machines. S. Szweczyk. 1,768,942; July 1.

- Scraper for cleaning streets and the like. C. J. Welsh. 1,786,323; Dec. 23.
- Scraper for harvester main wheels. R. C. Livesay. 1,752,993; Apr. 1.
- Scraper for traction wheels. O. T. Croat. 1,769,419; July 1.
- Scraper for vehicle tires. L. and D. M. Larson. 1,753,992; Apr. 8.
- Scraper, Hand. E. Werner. 1,785,754; Dec. 23.
- Scraper, Magnetic steel-silver meat. M. Otrazasek. 1,777,765; Oct. 7.
- Scraper mechanism. A. J. Clausen. 1,759,251; May 20.
- Scraper, Mud. S. H. Ideus. 1,757,771; May 6.
- Scraper, Planter-shoe. A. J. Munson. 1,779,285; Oct. 21.
- Scraper, Power. S. F. Anderson. 1,767,640; June 24.
- Scraper, Power-operated. H. M. Pursel. 1,750,126; Mar. 11.
- Scraper, Power-operated. H. M. Pursel. 1,780,401; Nov. 4.
- Scraper, Road. E. A. Weeks. 1,750,610; Mar. 11.
- Scraper, Road. E. A. Wheeler. 1,779,650; Oct. 28.
- Scraper step plate. G. A. Keenan. 1,766,786; June 24.
- Scraper structure, Hydraulic. E. A. Weeks. 1,760,926; June 3.
- Scraper, Tire. L. and D. M. Larson. 1,771,642; July 29.
- Scraper, Wheel. F. T. Zerwig. 1,782,085; Nov. 18.
- Scraper, Wheeled. A. P. Armington. 1,754,976; Apr. 15.
- Scraper, Wheeled. E. M. Utterback. 1,776,460; Sept. 23.
- Scrapers and scoops for earth and the like, Attachment to. D. J. Hill. 1,759,697; May 20.
- Scraping machine, Power. A. H. Endorf. 1,752,156; Mar. 25.
- Screed clip. T. A. Lucy. 1,779,885; Oct. 28.
- Screeds, Anchoring and leveling. E. K. Cole. 1,772,708; Aug. 12.
- Screen: See—
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| Automobile door screen. | Roller screen. |
| Automobile screen. | Rolling screen. |
| Automobile window screen. | Sand screen. |
| Bar screen. | Self-cleaning screen. |
| Cellular screen. | Sorting screen. |
| Color screen. | Vibrating screen. |
| Door or window screen. | Vibratory screen. |
| Faucet screen. | Voice screen. |
| Fireplace screen. | Wall screen. |
| Fly screen. | Water screen. |
| Foldable screen. | Well screen. |
| Light-coloring screen. | Window half screen. |
| Metallic screen. | Window screen. |
| Ornamental screen. | Windshield screen. |
| Projection screen. | Wire screen. |
| Radiator screen. | |
- Screen. W. Fowden. 1,770,977; July 22.
- Screen. W. Hanley. 1,782,203; Nov. 18.
- Screen. P. G. Johnson. 1,780,823; Nov. 4.
- Screen. G. E. Krider. 1,774,893; Sept. 2.
- Screen. F. C. Morrow. 1,747,124; Feb. 11.
- Screen. J. E. Sodergren. 1,758,720; May 13.
- Screen. W. W. Watson. 1,765,388; June 24.
- Screen and conveyer, Revolving. J. J. Stehling. 1,748,151; Feb. 25.
- Screen and conveyer, Revolving. J. J. Stehling. 1,769,655; July 1.
- Screen and fabric therefor. J. Mraz and J. Stedel. 1,744,329; Jan. 21.
- Screen and hanger therefor. E. A. Davis. 1,753,264; Apr. 8.
- Screen and post. A. Ashkenas. 1,744,605; Jan. 21.
- Screen and railroad playboard, Combined folding. W. S. Le Noir, I. D. Smith, and I. Engler. 1,776,262; Sept. 23.
- Screen and sash mounting, Combination. E. W. Cummings. 1,781,272; Nov. 11.
- Screen and shield, Conductive. E. O. Selby. 1,756,888; Apr. 29.
- Screen and storm-sash hanger. C. E. Hummelgard. 1,769,645; July 1.
- Screen and window. O. Karlslust. 1,752,640; Apr. 1.
- Screen attachment, Auto. G. W. Russell. 1,762,244; June 10.
- Screen cages, Making oil-pump. C. E. Jacobs. 1,777,369; Oct. 7.
- Screen cleaner, Automatic. A. W. Viehmann. 1,779,348; Oct. 21.
- Screen clip, Window-. G. Boden. 1,774,011; Aug. 26.
- Screen construction, Rail-. N. Oldham. 1,783,152; Nov. 25.
- Screen construction, Window-. D. E. Shrauger. 1,779,858; Oct. 28.
- Screen device, Window-. W. Turner. 1,756,229; Apr. 29.
- Screen exit. C. Rochon. 1,767,164; June 24.
- Screen for advertising purposes, Luminous. 1,779,732; Oct. 28.
- Screen for airplane platforms, Wind. R. Gibbons. 1,749,338; Mar. 4.
- Screen for automobile windows and the like. J. Torrent. 1,756,227; Apr. 29.
- Screen for automobiles, Disappearing. W. G. Harden. 1,773,040; Aug. 12.
- Screen for automobiles, Window. S. M. Jones. 1,779,000; Oct. 21.
- Screen for casement windows. H. Higgin. 1,785,584; Dec. 16.
- Screen for disintegrating machines. A. Andreas. 1,782,953; Nov. 25.
- Screen for filter presses. J. Johnson. 1,767,078; June 24.
- Screen for flotation processes. H. B. Houston. 1,759,983; May 27.
- Screen for motor vehicles. A. D. McCormack. 1,753,866; Apr. 8.
- Screen for motor vehicles, Antidazzle. G. W. Young. 1,766,162; June 24.
- Screen for separating apparatus. C. G. Kellogg. 1,778,558; Oct. 14.
- Screen for swinging windows. T. and P. G. Johnson. 1,772,353; Aug. 5.
- Screen for the lens of photographic cameras, Light. R. Wörsching. 1,775,180; Sept. 9.
- Screen for windows, windshields, and the like. G. A. Dickson. 1,780,871; Nov. 4.
- Screen-frame material. W. J. Dennis. 1,757,706; May 6.
- Screen guards and similar devices, Manufacturing. C. A. Meadows. 1,772,156; Aug. 5.
- Screen hanger. A. T. Brennan. 1,766,054; June 24.
- Screen hanger, Window-. R. L. Durlinger. 1,774,255; Aug. 26.
- Screen hanger, Window-. J. D. Dyer. 1,763,348; June 10.
- Screen insect control. A. A. Lundy. 1,747,254; Feb. 18.
- Screen installation. E. W. Pendery. 1,779,636; Oct. 28.
- Screen-mill, High-speed. J. Crites. 1,771,163; July 22.
- Screen mounting. J. C. Scheeler. 1,763,371; June 10.
- Screen mounting. W. H. Taylor. 1,786,040; Dec. 23.
- Screen mounting for revolving windows. W. J. Baker. 1,778,713; Oct. 21.
- Screen or curtain for motor vehicles, Side. J. R. Hall, K. C. McLeod, and O. B. Heatley. 1,757,860; May 6.
- Screen patch. D. Downer. 1,749,755; Mar. 11.
- Screen pipe and making same. R. A. Steps. 1,782,518; Nov. 25.
- Screen-printing device, Continuously-operating. F. Hart. 1,771,627; July 29.
- Screen roll. J. L. Bergeron. 1,770,834; July 15.
- Screen separator. J. F. Isbell. 1,744,899; Jan. 28.
- Screen slide. A. A. Kamin. 1,759,457; May 20.
- Screen structure. S. B. Stine. 1,753,355; Apr. 8.
- Screen structure, Roller-. H. Dixon. 1,786,054; Dec. 23.
- Screening apparatus. W. J. Garrison. 1,758,509; May 13.
- Screening glass, Color-. T. Suzuki and S. Sakurai. 1,771,451; July 29.
- Screening machine. A. D. Vickerman. 1,753,630; Apr. 8.
- Screening machine, Pulp-. A. J. Haug. 1,742,592; Jan. 7.
- Screening materials, Apparatus for. M. P. Reynolds. 1,781,526; Nov. 11.
- Screening plant. H. Binte and W. Pipkorn. 1,769,413; July 1.
- Screening, sorting, and handling material, Apparatus for. B. W. Pape. 1,781,857; Nov. 18.
- Screens, Drawbar for. C. Traut. 1,766,730; June 24.
- Screens, Tension bar and guide for roll. C. Traut. 1,749,199; Mar. 4.
- Screw. J. Neiser. 1,749,043; Mar. 4.
- Screw. F. J. Plym. Des. 81,453; June 24.
- Screw, Adjusting. J. F. Tritle. 1,778,697; Oct. 14.
- Screw adjustable mechanism. A. Lináres. 1,748,888; Feb. 25.
- Screw cap. H. J. Carr. 1,784,089; Dec. 9.
- Screw caps, Forming. W. J. Peelle. 1,778,960; Oct. 21.
- Screw clamp. A. E. Drissner. 1,742,201; Jan. 7.
- Screw composed of several parts. A. Winter. 1,779,896; Oct. 28.
- Screw-conveyer hanger. H. S. Bilderback and I. B. McCullough. 1,777,389; Oct. 7.
- Screw-cutting die. E. T. Bysshe and R. R. Finn. 1,766,598; June 24.
- Screw down. W. W. McBane and C. J. Klein. 1,776,444; Sept. 23.
- Screw driver. J. A. Anderson. 1,782,981; Nov. 25.
- Screw driver. F. R. Bergemann. 1,783,070; Nov. 25.
- Screw driver. J. M. Dunlea. 1,772,040; Aug. 5.
- Screw driver. J. L. Grube. 1,758,945; May 20.
- Screw driver. E. B. Guze. 1,773,483; Aug. 19.
- Screw driver. B. G. Jansson. 1,780,785; Nov. 4.
- Screw driver. A. R. Lemieux. 1,758,162; May 13.
- Screw driver. F. Morehouse. 1,753,441; Apr. 8.
- Screw driver. E. Mueller. 1,781,470; Nov. 11.
- Screw driver. A. N. Plante. 1,768,627; July 1.
- Screw driver. O. W. Potts. 1,776,928; Sept. 30.
- Screw driver. J. A. Sigg. 1,782,515; Nov. 25.
- Screw driver. B. N. Sokoloff. 1,779,339; Oct. 21.
- Screw driver and making the same. W. F. Hobbs. 1,755,822; Apr. 22.
- Screw driver and making same. P. L. Robertson. 1,787,087; Dec. 30.
- Screw driver and nut holder. W. Stever. 1,751,112; Mar. 18.
- Screw driver and other tool. R. L. Herman. 1,769,510; July 1.
- Screw-driver bit and finder. L. F. Meunier. 1,769,067; July 1.
- Screw driver, Pneumatic. W. E. McLaughlin. 1,774,030; Aug. 26.
- Screw driver, Ratchet. D. B. Swain and H. A. Ryther. 1,762,315; June 10.
- Screw driver, Screw-holding. J. E. Calvert. 1,754,739; Apr. 15.
- Screw drivers, Attachment for. C. W. Bronk. 1,764,504; June 17.
- Screw drivers, Screw retainer for. A. J. Reid. 1,742,278; Jan. 7.
- Screw-driving machine. G. C. Brown and G. F. McNulty. 1,757,614; May 6.

- Screw extractor. E. J. Bryant. 1,754,736; Apr. 15.
 Screw extractor. D. C. Fabel. 1,746,825; Feb. 11.
 Screw eye. W. B. Lashar. 1,779,256; Oct. 21.
 Screw eyes, Mechanism for collecting and feeding. D. E. Priest. 1,756,605; Apr. 29.
 Screw eyes, Mechanism for feeding. A. M. Ohan. 1,756,658; Apr. 29.
 Screw for air vehicles, Lifting air. S. P. Vaughn. 1,777,630; Oct. 7.
 Screw, Headless set. M. L. Martus. 1,753,154; Apr. 1.
 Screw holder and driver. C. W. Bronk. 1,755,588; Apr. 22.
 Screw jack. J. W. Bate. 1,777,599; Oct. 7.
 Screw jack. G. H. James. 1,786,305; Dec. 23.
 Screw jack, Multiple-lift. I. Von Kert Hott. 1,751,738; Mar. 25.
 Screw machines, Cross-tool slide for multiple-spindle automatic. O. E. Trobeck. 1,783,528; Dec. 2.
 Screw-moving means. M. C. Valentine. 1,785,847; Dec. 23.
 Screw or nut driving device for portable power-driven rotary tools. A. Levedahl. 1,757,125; May 6.
 Screw or nut driving device for power-operated tools. A. Levedahl. 1,744,976; Jan. 28.
 Screw press. F. V. and R. T. Anderson. 1,750,916; Mar. 18.
 Screw press, Continuous. W. McDonald. 1,785,041; Dec. 16.
 Screw rapid helicopter, Single-. E. A. Perrin. 1,775,783; Sept. 16.
 Screw, Rolled-thread wood. E. W. Reed and A. Werme. 1,764,053; June 17.
 Screw, Self-locking. R. T. Hosking. 1,764,168; June 17.
 Screw, Self-locking. C. G. Olson. 1,784,026; Dec. 9.
 Screw, Set. G. A. Moore. 1,784,377; Dec. 9.
 Screw-spindle press, Frictional. O. Georg. 1,783,115; Nov. 25.
 Screw stud, Resilient. P. E. Fenton. 1,756,186; Apr. 29.
 Screw stud, Resilient. P. E. Fenton. 1,770,893; July 15.
 Screw tap. H. Steinrück. 1,770,585; July 15.
 Screw, Temper. E. E. Greve. 1,759,350; May 20.
 Screw-thread chaser. T. K. Stevenson. 1,754,489; Apr. 15.
 Screw-thread cleaner. R. M. Cornett. 1,785,406; Dec. 16.
 Screw-threading apparatus. J. M. Cook. 1,764,607; June 17.
 Screw-threading machine. H. P. Townsend. 1,763,635; June 10.
 Screw-threading machines, Attachment for. J. A. Ake-royd. 1,747,040; Feb. 11.
 Screw-type head for puncturing closures, Gas-operated. S. E. Allen and O. N. Wiswell. 1,782,021; Nov. 18.
 Screw-type raising mechanism. H. F. Flowers. 1,770,265; July 8.
 Screws and the like, Apparatus for producing cap. G. H. Wayne. 1,748,503; Feb. 25.
 Screws, Apparatus for testing taper threaded. R. O. Beardsley. 1,745,523; Feb. 4.
 Screws, Apparatus for the manufacture of. P. L. Stenman. 1,768,801; July 1.
 Screws, Making slack-adjuster. L. L. Whitney. 1,765,516; June 24.
 Screws, nuts, and like small articles, Device for holding and manipulating. H. E. Lewis. 1,767,296; June 24.
 Scriber and ellipsograph. E. O. Clark. 1,743,024; Jan. 7.
 Scribing machine, Geometric. A. D. Fisher. 1,763,885; June 17.
 Scrubber. J. A. Campbell. 1,754,607; Apr. 15.
 Scrubber, Centrifugal. P. M. Kuehn. 1,759,315; May 20.
 Scrubbing and drying device, Floor. G. Bentley. 1,759,881; May 27.
 Scrubbing device. O. V. Kean. 1,773,734; Aug. 26.
 Scrubbing machine. H. O. Boutwell. 1,752,882; Apr. 1.
 Scrubbing machine. A. H. Zucker. 1,767,109; June 24.
 Scums and films due to the growth of organisms on surfaces in contact with water, Preventing the formation of. J. C. Baker. 1,745,141; Jan. 28.
 Scuttle port and like tight-closed window. L. Lalanne. 1,750,412; Mar. 11.
 Scuttle port and like tight-closed window. L. Lalanne. 1,783,336; Dec. 2.
 Scythe-snath handle. J. F. E. Feltner. 1,776,218; Sept. 16.
 Seaplane or amphibian. G. Loening. 1,778,113; Oct. 14.
 Seaplanes, Boat structure for. P. G. Petersen. 1,778,467; Oct. 14.
 Sea tub. J. C. Moray. 1,752,191; Mar. 25.
 Seaweed a stable form of alginic acid and its compounds, Obtaining from. O. Reynard. 1,778,688; Oct. 14.
 Seal. H. V. Atwell. 1,747,810; Feb. 18.
 Seal. E. A. Conaway. 1,747,467; Feb. 18.
 Seal. N. Dessauer. 1,762,961; June 10.
 Seal. F. Keidel. 1,783,938; Dec. 2.
 Seal. E. H. McGee. 1,781,029; Nov. 11.
 Seal. S. J. Moskovits. 1,751,839; Mar. 25.
 Seal. O. A. Ross. 1,759,917; May 27.
 Seal. E. Wilson. 1,772,093; Aug. 5.
 Seal, Air. S. Vermilye. 1,773,828; Aug. 26.
 Seal, Bottle. P. Susol. 1,742,941; Jan. 7.
 Seal, Box-strap. O. L. Davis. 1,786,151; Dec. 23.
 Seal, Fingerprint identification. A. Messer. 1,746,955; Feb. 11.
 Seal, Fluid-tight. E. L. Barnes. 1,746,068; Feb. 4.
 Seal for compressors. C. C. Spreen. 1,767,413; June 24.
 Seal for freight cars and the like. R. D. Lane. 1,770,790; July 15.
 Seal for headers. W. A. Jones. 1,748,070; Feb. 25.
 Seal for preventing the flow of material between relatively moving surfaces. W. B. Lewis. 1,757,533; May 6.
 Seal for shaft bearings. A. Beasley. 1,785,806; Dec. 23.
 Seal for stern bearings for propeller shafts. C. E. Ward. 1,780,804; Nov. 4.
 Seal for vapor electric devices. S. Aoki. 1,778,657; Oct. 14.
 Seal, Journal-bearing. C. C. Spreen. 1,781,201; Nov. 11.
 Seal, Leak-preventing. M. Masterson, and O. Markel. 1,784,104; Dec. 9.
 Seal, Liquid. C. T. Kemp, and N. E. Ryckman. 1,784,100; Dec. 9.
 Seal, Mechanical. M. Rebarchak. 1,747,181; Feb. 18.
 Seal packing gland, Fluid-. J. L. Ray. 1,779,076; Oct. 21.
 Seal, Smoke-arch. W. F. Kiesel, jr. 1,781,849; Nov. 18.
 Sealing apparatus, Carton-. A. C. Schroeder. 1,779,985; Oct. 28.
 Sealing cap. H. Schwartz. 1,771,012; July 22.
 Sealing chamber, Vacuum. A. K. Malmquist. 1,751,643; Mar. 25.
 Sealing composition. L. W. Currie. 1,772,457; Aug. 12.
 Sealing composition. B. Dewey and E. C. Crocker. 1,765,134; June 17.
 Sealing composition. J. F. Werder. 1,744,348; Jan. 21.
 Sealing compound. A. M. Coleman. 1,767,170; June 24.
 Sealing compound. H. B. Swaen. 1,754,727; Apr. 15.
 Sealing compound for pyrotechnic devices. H. Clauser. 1,762,911; June 10.
 Sealing compound, Leak-. T. M. Ehler. 1,777,606; Oct. 7.
 Sealing containers. N. S. Olsen. 1,767,770; June 24.
 Sealing device, Dry-cell-. W. F. Hendry. 1,775,764; Sept. 16.
 Sealing device, Receptacle. Edward H. Fabrice. 1,771,034; July 22.
 Sealing-in machine, Bulb feeder for. W. W. Loebe, Ledig, and H. Asmussen. 1,783,806; Dec. 2.
 Sealing machine, Bag-. H. Anderson. 1,772,823; Aug. 12.
 Sealing machine, Can-. C. Nelson. 1,744,661; Jan. 21.
 Sealing machine, Multiple-head. M. Jaeger. 1,749,347; Mar. 4.
 Sealing means. W. M. Brooks. 1,772,983; Aug. 12.
 Sealing means for coke-oven doors. R. Wilhelm. 1,765,642; June 24.
 Sealing means for cowl ventilators for automobiles. H. M. Hood. 1,765,333; June 17.
 Sealing means for expansion joints, Packaging. A. C. Fischer. 1,770,361; July 8.
 Sealing means for perforated container caps. G. H. Glitzke. 1,749,215; Mar. 4.
 Sealing mechanism for metal windows. H. E. Campbell. 1,782,338; Nov. 18.
 Sealing press. E. D. Gibson. 1,744,114; Jan. 21.
 Sealing strip for bottoms of vehicle bodies. W. A. Mayes. 1,750,416; Mar. 11.
 Sealing strip for doors, Adjustable. F. C. Wilson. 1,771,599; July 29.
 Sealing table. A. Fulco. 1,764,508; June 17.
 Sealing tape and manufacturing same. J. MacLaurin. 1,759,124; May 20.
 Sealing the ends of fastening strings, wires, and the like. Method of and apparatus for. W. Kohler. 1,758,669; May 13.
 Seam-calking device. B. T. Kehoe. 1,769,787; July 1.
 Seam cutter. E. T. Schmidt. 1,776,046; Sept. 16.
 Seam for sewed articles. H. J. Le Vesconte. 1,767,990-1; June 24.
 Seam, Rip. C. H. Haupt. 1,748,222; Feb. 25.
 Seaming machine, Double-. H. L. Guenther. 1,787,369; Dec. 30.
 Seaplanes, Wheel attachment for. F. N. Silva, jr. 1,757,687; May 6.
 Searchlight. F. Falkner. 1,774,750; Sept. 2.
 Searchlight. E. F. Giannattasio. 1,785,950; Dec. 23.
 Searchlight. F. R. House. 1,761,668; June 3.
 Searchlight, Mirror. S. J. Koller. 1,774,331; Aug. 26.
 Seat: See—
 Adjustable seat.
 Auto seat.
 Automobile seat.
 Auxiliary seat.
 Car seat.
 Child's seat.
 Commode seat.
 Folding seat.
 Lavatory and toilet seat.
 Railway-car seat.
 Resilient seat.
 Rumble seat.
 Spring implement seat.
 Stool seat.
 Theater seat.
 Toilet seat.
 Upholstered seat.
 Valve seat.
 Vehicle seat.
 Wagon seat.
 Window seat.
 Seat. J. W. Cross and E. E. Johnson. 1,782,231; Nov. 18.
 Seat. A. F. Hickman. 1,774,009; Aug. 26.
 Seat accessory, Toilet-. J. N. and M. N. Barker. Re17,645; Apr. 22.
 Seat and carrier, Combined. T. Hargreaves. 1,767,925; June 24.
 Seat and locking device, Rumble. J. R. Zalden. 1,751,378; Mar. 18.
 Seat and the like, Automobile. L. R. Smelker. Re-17,680; May 27.
 Seat and the like, Water-closet. H. C. Leslie. 1,766,659; June 24.
 Seat arrangement, Automobile convertible. W. E. Hobbs. 1,745,538; Feb. 4.

- Seat assembly. J. H. Clark. 1,756,147; Apr. 29.
 Seat assembly. W. Marshall, and L. S. Woodhull. 1,784,241; Dec. 9.
 Seat attachment, Spring-. W. B. Redfield. 1,766,189; June 24.
 Seat-back rest. P. Greenwood. 1,759,694; May 20.
 Seat base, Adjustable. F. J. Haffner. 1,743,210; Jan. 14.
 Seat construction. W. S. Mendenhall. 1,782,270; Nov. 18.
 Seat construction. W. Noelle. 1,762,788; June 10.
 Seat construction, Automobile. C. F. Hess. 1,756,825; Apr. 29.
 Seat construction, Automobile. C. F. Hess. 1,762,623; June 10.
 Seat construction for automobiles, Front-. H. R. Graham. 1,775,755; July 29.
 Seat construction for folding chairs. B. Deland. 1,774,197; Aug. 26.
 Seat cover, Automobile. B. M. Russell. 1,781,034; Nov. 11.
 Seat covers and the like, Attaching. G. A. King. 1,768,454; June 24.
 Seat covers and the like, Attaching. G. A. King. 1,784,361; Dec. 9.
 Seat cushion structure. D. H. Van Hove. 1,768,383; June 24.
 Seat end construction, Chair-. G. H. Hamilton. 1,752,078; Mar. 25.
 Seat for automobile bodies, Folding. R. H. Hummert. 1,747,717; Feb. 18.
 Seat for automobile doors, Folding. C. Zizzo. 1,759,878; May 27.
 Seat for automobiles, Adjustable. M. G. Allgeyer. 1,770,826; July 15.
 Seat for automobiles, Auxiliary. M. S. Olson. 1,742,822; Jan. 7.
 Seat for automotive vehicles, Convertible. E. L. Jacoby. 1,751,088; Mar. 18.
 Seat for busses and the like, Auxiliary. P. S. Eckland. 1,776,583; Sept. 23.
 Seat for children, Buoyant. J. Chesnut. 1,748,170; Feb. 25.
 Seat for toilet bowls. A. M. Bonin, jr. 1,746,303; Feb. 11.
 Seat inclosure, Rumble-. A. Kaner. 1,760,144; May 27.
 Seat indicator. C. R. Bow. 1,762,384; June 10.
 Seat mounting for automobiles. H. A. Brunn. 1,752,368; Apr. 1.
 Seat or bench, Collapsible. C. A. Duke. 1,752,734; Apr. 1.
 Seat spring. D. M. Dearing. 1,777,463; Oct. 7.
 Seat stabilizer. M. S. Jones. 1,769,434; July 1.
 Seat structure. E. C. Harter. 1,751,152; Mar. 18.
 Seat structure. R. K. Merrill and F. J. Blakslee. 1,755,997; Apr. 22.
 Seat structure for automobiles, Adjustable. C. G. Cronwall. 1,771,987; Aug. 5.
 Seat top, Rumble-. L. A. Baum. 1,742,629; Jan. 7.
 Seats, Device for applying protectors to toilet. H. Müller. 1,761,637; June 3.
 Seats, Yieldable back support for. F. C. Bitzenburger. 1,744,258; Jan. 21.
 Secondary rack. N. C. Husted. 1,761,671; June 3.
 Secrecy system. R. V. L. Hartley. 1,752,485; Apr. 1.
 Secrecy system for signaling. C. R. Englund, C. and F. B. Llewellyn. 1,743,710; Jan. 14.
 Secret communicating system. R. A. Heising. 1,762,984; June 10.
 Section spring, Multiple-. J. C. Monteith. 1,747,725; Feb. 18.
 Sectional bit, Rotary. W. V. Seifert. 1,747,909; Feb. 18.
 Sectional cores, Method of and apparatus for forming. L. E. Keen. 1,769,141; July 1.
 Sectional form. J. Kersten. 1,761,568; June 3.
 Sectional furnace. J. Doherty. 1,776,352; Sept. 23.
 Sectional operating-table unit and conveyer section, Combined. F. E. d'Humy. 1,780,118; Oct. 28.
 Sectional tank. R. Z. Hopkins. 1,769,578; July 1.
 Sectionalizing switch. C. A. Butcher. 1,744,210; Jan. 21.
 Sectionalizing switch, Automatic. M. E. Reagan. 1,765,500; June 24.
 Securing articles to each other and of introducing and securing the assembly in a container. H. H. Olmstead. 1,746,553; Feb. 11.
 Securing device. C. Horix. 1,777,884; Oct. 7.
 Securing means. I. D. Ford. 1,782,164-6; Nov. 18.
 Securing means. G. E. Roedding. 1,784,204; Dec. 9.
 Securing means. K. J. Tobin, W. A. Beauchamp, and C. R. Vegren. 1,768,170; June 24.
 Securing means for lapped elements. E. C. Harter. 1,787,108; Dec. 30.
 Securing together two intersecting strands. T. Gore. 1,781,458; Nov. 11.
 Security lock. C. G. L. Sjölander. 1,755,339; Apr. 22.
 Sediment trap. R. L. Freeland. 1,776,498; Sept. 23.
 Sedimentation tank. C. R. Griffith. 1,757,187; May 6.
 Seed board for cotton gins, Curved. W. M. Johnston. 1,755,008; Apr. 15.
 Seed-celling machine. F. A. Reynolds and L. F. L. Turcotte. 1,758,621; May 13.
 Seed-corn stringer. M. Holm. 1,784,690; Dec. 9.
 Seed, Dressing. H. Rössner, A. Steindorff, and K. Pfaff. 1,783,200; Dec. 2.
 Seed pan. J. F. Shelton. 1,780,985; Nov. 11.
 Seed remover for grapefruit. T. Cory. 1,774,355; Aug. 26.
 Seeder and the like. G. M. Ditto. 1,776,751; Sept. 23.
 Seeding machine. T. Brennan. 1,770,641; July 15.
 Seeding machines, Attachment to. L. Nagy. 1,747,525; Feb. 18.
 Seeds and composition therefor, Disinfecting. M. Engelmann. 1,749,575; Mar. 4.
 Seeds, Disinfecting. W. P. Raleigh. 1,764,888; June 17.
 Seeds, Making removable emanation. J. Muir. 1,754,178; Apr. 8.
 Seeds, Method of and apparatus for separating. W. A. Rice. 1,755,747; Apr. 22.
 Seeds to secure uniform germination, Treating. J. L. Kellogg. 1,756,488; Apr. 29.
 Seismograph and applicable to other measuring instruments. J. H. Jones. 1,774,379; Aug. 26.
 Seismograph, Electrical recording. H. Benioff. 1,784,415; Dec. 9.
 Selecting machine. J. Powers. 1,782,442; Nov. 25.
 Selective mechanism. R. Emery. 1,763,425; June 10.
 Selective system. E. W. Niles. 1,749,838; Mar. 11.
 Selective switch. J. N. Walters. 1,778,407; Oct. 14.
 Selective system and apparatus. E. E. Kleinschmidt. 1,749,142; Mar. 4.
 Selector mechanism. A. F. Horlacher. 1,783,122; Nov. 25.
 Selector. T. S. Casner. 1,759,540; May 20.
 Selector. R. Helmert and B. Johannesson. 1,751,815; Mar. 25.
 Selector. D. J. Stewart. 1,760,379; May 27.
 Selector switch. O. Bracke. 1,768,394; June 24.
 Selector system. F. A. Kolster. 1,742,602; Jan. 7.
 Self-cleaning rake. W. L. Myers. 1,786,770; Dec. 30.
 Self-cleaning rake. W. A. Sundquist. 1,743,736; Jan. 14.
 Self-cleaning screen. G. A. Turner. 1,761,244; June 3.
 Self-cleaning, sorting, and sifting machine. F. P. Ryder. 1,755,336; Apr. 22.
 Self-locking control device. G. De Bonal and P. Masson. 1,764,937; June 17.
 Self-service apparatus. G. Posnick. 1,770,042; July 8.
 Self-thawing trap. H. D. Gregory. 1,751,583; Mar. 25.
 Salvage-trimming mechanism. H. H. Burdett. 1,770,366; July 8.
 Semaphore, Motor vehicle. R. A. Churchill. 1,759,838; May 27.
 Semicone wrench, Adjustable. W. S. Billmyer, jr. 1,760,338; May 27.
 Semitrailer, Automatic. H. W. Helms. 1,783,087; Nov. 25.
 Semitrailer, Double-decked. F. W. Wilt. 1,754,409; Apr. 15.
 Semitrailers, Fifth-wheel construction for. H. W. Helms. 1,785,697; Dec. 16.
 Sensitized coating and making and applying same and photographic plate or film produced thereby. E. De Stubner. 1,752,069; Mar. 25.
 Sensitized element, Process of making same, and process for producing photographic images thereon. E. E. E. Lehmann. 1,753,708; Apr. 8.
 Separating and apparatus therefor, Art of. F. R. Johnson. 1,744,967; Jan. 28.
 Separating and grading apparatus. F. Hopkinson. 1,776,225; Sept. 16.
 Separating and grading machine. P. C. Staup. 1,755,277; Apr. 22.
 Separating and mixing apparatus. E. Falkenthal. 1,764,250; June 17.
 Separating apparatus and method. W. T. Birdsall. 1,747,155; Feb. 18.
 Separating device. G. G. Cheakas and J. H. Martin. 1,750,922; Mar. 18.
 Separating device. O. B. Filkins. 1,768,244; June 24.
 Separating, disintegrating, and mixing apparatus. E. de Dorlodot. 1,767,353; June 24.
 Separating elements from shafts. A. C. Wubbenhorst. 1,747,689; Feb. 18.
 Separating machine. R. and A. S. Reid. 1,744,677; Jan. 21.
 Separating machine and process of separating materials. C. E. McNeal. 1,754,834; Apr. 15.
 Separating machine for milk. F. Henrard. 1,787,311; Dec. 30.
 Separating materials of varying degrees of conductivity. R. Sherer. 1,744,989; Jan. 28.
 Separating mechanism, Hydrostatic. J. Zeb. 1,743,179; Jan. 14.
 Separating solids from liquids. M. P. Reynolds. 1,775,830; Sept. 16.
 Separating system. W. B. Prouty. 1,766,941; June 24.
 Separation apparatus. C. T. Cabrera. 1,774,504; Sept. 2.
 Separation, by distillation, of miscible liquids. T. E. Perks. 1,774,210; Aug. 26.
 Separation of mixtures. L. P. Sharples. 1,754,774; Apr. 15.
 Separation process and apparatus. C. T. Cabrera. 1,743,524; Jan. 14.
 Separator: See—
 Air separator. Gas-oil separator.
 Battery separator. Gold separator.
 Centrifugal separator. Grain separator.
 Centrifugal bowl separator. Liquid separator.
 Coal separator. Magnetic separator.
 Cream separator. Mechanical separator.
 Dust separator. Oil separator.
 Egg separator. Oil and gas separator.
 Fluid separator. Oil and natural-gas separator.
 Fruit-juice separator. Oil and water separator.
 Gas separator. Oil-tank separator.
 Gas and water separator. Oil-tank separator.

- Separator: See—
 Potato separator.
 Sand separator.
 Screen separator.
 Sheet separator.
 Sludge separator.
- Smoke separator.
 Spraying separator.
 Steam separator.
 Stop-motion separator.
 Tar separator.
- Separator. C. W. Aiken. 1,768,533; July 1.
 Separator. W. J. Anson. 1,778,286; Oct. 14.
 Separator. W. S. Demarcus. 1,775,362; Sept. 9.
 Separator. F. Eickholt. 1,784,664; Dec. 9.
 Separator. C. T. Hatch. 1,785,346; Dec. 16.
 Separator. C. G. Hawley. 1,746,253; Feb. 11.
 Separator. W. M. McKenzie. 1,781,790; Nov. 18.
 Separator. A. L. Menzin. 1,754,477; Apr. 15.
 Separator. A. R. Mumford. 1,747,314; Feb. 18.
 Separator. E. S. Royer. 1,755,864; Apr. 22.
 Separator. F. M. Schaefer. 1,750,764; Mar. 18.
 Separator. C. Schmitz. 1,758,586; May 13.
 Separator. H. G. Schwarz. 1,762,593; June 10.
 Separator. J. Squires. 1,742,671; Jan. 7.
 Separator. O. W. Steele. 1,748,661; Feb. 25.
 Separator. C. L. Sutton. 1,786,790; Dec. 30.
 Separator. A. F. J. Voigt. 1,757,103; May 6.
 Separator. E. F. White. 1,780,774; Nov. 4.
 Separator and making the same. Bonded fiber. R. C. Benner and J. H. Fink. 1,744,256; Jan. 21.
 Separator and making the same. Composite. R. C. Benner and N. K. Chaney. 1,786,328; Dec. 23.
 Separator and trap assembly. Combined. R. L. Clark and C. T. Craker. 1,762,385; June 10.
 Separator drum. A. Schmücking. 1,750,364; Mar. 11.
 Separator for compressed-air system. Air and moisture. A. A. Smallhouse. 1,774,295; Aug. 26.
 Separator for cream or similar liquids. J. G. Larsson. 1,742,400; Jan. 7.
 Separator for light liquids. I. V. Müller. 1,784,943; Dec. 16.
 Separator for pulverized material. W. H. Hartman. 1,770,850; July 15.
 Separator for ring-spinning machines. L. Gariepy. 1,786,235; Dec. 23.
 Separator louver. J. P. Walker. 1,755,527; Apr. 22.
 Separator plate. A. S. Behrman. 1,784,981; Dec. 16.
 Separator plate. F. N. Lloyd. 1,772,549; Aug. 12.
 Separator to clarify waste waters. C. Arndt. 1,760,229; May 27.
 Septic tank. F. E. Wilson. 1,759,334; May 20.
 Septum. B. W. Hazell. 1,767,793; June 24.
 Series and groups of I-beams. J. H. Edwards, F. T. Llewellyn, and R. A. Marble. 1,786,938; Dec. 30.
 Series exciter. G. E. Stoltz. 1,764,365; June 17.
 Series switch. J. Valerius. 1,770,894; July 15.
 Serpentine projector. A. H. Nunemacher. 1,750,120; Mar. 11.
 Service box. R. B. Hills. 1,774,141; Aug. 26.
 Service clamp. P. Mueller. 1,762,305; June 10.
 Service clamp. Plumbing. J. W. Wells. 1,770,960; July 22.
 Service device. H. G. Zoia. 1,746,847; Feb. 11.
 Service indicator. J. Zubaty. 1,749,365; Mar. 4.
 Service indicator. J. Zubaty. 1,761,950; June 3.
 Service station. T. D. Dunn, jr. 1,746,074; Feb. 4.
 Service station. Portable oil and gas. F. P. Steinhauer. 1,764,057; June 17.
 Service station. Telephone-operated. R. S. Shannon. 1,742,285; Jan. 7.
 Service switch. W. R. Frampton. 1,765,369; June 24.
 Service unit. Bird-. E. H. Dickson. Des. 81,960; Sept. 9.
 Serving apparatus. H. L. Blood. 1,748,970; Mar. 4.
 Serving apparatus. L. O. Reichelt and J. J. Rohloff. 1,748,995; Mar. 4.
 Serving fork. H. F. Wyly, jr. 1,747,039; Feb. 11.
 Serving implement. Salad-. R. Romer. 1,775,571; Sept. 9.
 Serving table. C. Knight. 1,759,749; May 20.
 Servo brake. R. S. Sanford. 1,774,158; Aug. 26.
 Servo-brake mechanism. O. J. Badertscher. 1,760,624; May 27.
 Servo mechanism. H. W. Nieman. 1,751,645; Mar. 25.
 Servo mechanism. H. W. Nieman. 1,751,647-8; Mar. 25.
 Servo-motor. C. H. Fuller. 1,756,910; Apr. 29.
 Set for measuring operating time of relays. J. Herman. 1,765,585; June 24.
 Settee. L. Bernhard. Des. 80,599; Mar. 4.
 Settee. L. Bernhard. Des. 80,601; Mar. 4.
 Settee. C. W. Jones. Des. 81,481; July 1.
 Settee, Convertible bed. D. R. N. Christophers. 1,752,417; Apr. 1.
 Settee or similar article. C. Stoll. Des. 80,642; Mar. 4.
 Settee or similar article. C. Stoll. Des. 80,703-6; Mar. 11.
 Settee or similar article. E. Hauser. Des. 80,891; Apr. 8.
 Setter mechanism for stop combinations of organs. E. J. Buchheim. 1,771,841; July 29.
 Setting block. E. F. McHugh. 1,746,088; Feb. 4.
 Setting gauge. G. A. De Vlieg. 1,784,093; Dec. 9.
 Setting means for conveying mechanism. J. S. Da Costa. 1,780,224; Nov. 4.
 Setting-out machine. J. A. Meyer. 1,770,179; July 8.
 Networks. G. M. Pelton. 1,786,776; Dec. 30.
 Networks. E. C. Shaw. 1,761,590; June 3.
 Severing mechanism for board-making machines. F. W. Harney. 1,776,256; Sept. 23.
 Sewage control for moving vehicles. O. A. Ross. 1,749,356; Mar. 4.
 Sewage-disposal apparatus. M. B. Tark. 1,763,412; June 10.
 Sewage-disposal fixture. W. D. Pettis. 1,762,419; June 10.
 Sewage-disposal plant. T. B. Sims. 1,757,262; May 6.
 Sewage-disposal system. T. B. Sims. 1,757,264; May 6.
 Sewage-disposal tank. G. Van Steenburg. 1,780,099; Oct. 28.
 Sewage ejector. H. E. La Bour. 1,774,234; Aug. 26.
 Sewage-ejecting mechanism. I. C. Jennings. 1,779,319; Oct. 21.
 Sewage-ejecting system. I. C. Jennings. 1,746,428; Feb. 11.
 Sewage sludge. Method and plant for drying. W. W. Harritt. 1,779,810; Oct. 28.
 Sewage system. H. Gandillon. 1,772,214; Aug. 5.
 Sewed articles. Producing. J. Berger. 1,768,025; June 24.
 Sewer catch basin. A. Lévy. 1,746,121; Feb. 4.
 Sewer check. H. Wagner. 1,770,637; July 15.
 Sewer-clean-out box. N. Z. Ball. 1,747,211; Feb. 18.
 Sewer construction. G. F. Egan. 1,774,793; Sept. 2.
 Sewer construction. R. B. Tufts. 1,746,566; Feb. 11.
 Sewer-flooding-control apparatus. W. E. Hardacker and E. L. Hessel. 1,779,040; Oct. 21.
 Sewer-flushing device. R. C. Halyburton. 1,744,266; Jan. 21.
 Sewer-flushing mechanism. R. A. Maddox. 1,770,038; July 8.
 Sewer inlets. Apparatus for automatic opening and closing of. O. Rocas. 1,784,076; Dec. 9.
 Sewing. A. M. Bates. 1,758,101; May 13.
 Sewing machine. E. W. Armstrong. 1,767,955; June 24.
 Sewing machine. J. Berger. 1,768,026; June 24.
 Sewing machine. J. Berger. 1,768,105; June 24.
 Sewing machine. F. W. Brintnall. 1,779,899; Oct. 28.
 Sewing machine. N. V. Christensen and F. F. Zeier. 1,751,508; Mar. 25.
 Sewing machine. N. V. Christensen and W. M. Hanneman. 1,773,075; Aug. 12.
 Sewing machine. A. B. Clayton. 1,762,812; June 10.
 Sewing machine. B. Eaton. 1,778,107; Oct. 14.
 Sewing machine. F. E. Finlayson. 1,783,836; Dec. 2.
 Sewing machine. H. F. Gruman. 1,750,041; Mar. 11.
 Sewing machine. H. F. Gruman. 1,769,058; July 1.
 Sewing machine. C. H. T. Hagelstein. 1,745,792; Feb. 4.
 Sewing machine. R. K. Hohmann. 1,748,479; Feb. 25.
 Sewing machine. M. W. Howard. 1,779,238; Oct. 21.
 Sewing machine. J. Kiewicz. 1,770,855; July 15.
 Sewing machine. O. L. Lawson. 1,773,271; Aug. 19.
 Sewing machine. F. Morel. 1,771,546-7; July 29.
 Sewing machine. J. P. Ritchie. 1,770,862; July 15.
 Sewing machine. L. Roseman. 1,742,221; Jan. 7.
 Sewing machine. L. Roseman. 1,748,398; Feb. 25.
 Sewing machine. C. Seaman and G. Braf. 1,756,036; Apr. 29.
 Sewing machine. G. E. Warren. 1,779,996; Oct. 28.
 Sewing machine. S. Wechsler. 1,749,118; Mar. 4.
 Sewing machine. A. H. A. Windram. 1,770,870; July 15.
 Sewing machine. G. M. P. Yerkes. 1,747,749; Feb. 18.
 Sewing machine and actuating mechanism therefor. K. Maier. 1,765,927; June 24.
 Sewing-machine attachment. R. J. Sailer. 1,784,614; Dec. 9.
 Sewing machine, Book-. R. E. Ackley. 1,764,863; June 17.
 Sewing machine, Buttonhole. E. B. Allen. 1,777,066; Sept. 30.
 Sewing machine, Buttonhole-. A. F. Carlson. 1,771,670; July 29.
 Sewing machine, Buttonhole-. J. W. Connors. 1,770,025-26; July 8.
 Sewing machine, Chain-stitch. R. Becker. 1,748,052; Feb. 25.
 Sewing machine, Electrically-lighted. D. H. Chason. 1,785,856; Dec. 23.
 Sewing-machine feed. J. Garde. 1,784,724; Dec. 9.
 Sewing-machine feeding mechanism. H. M. Stephenson. 1,773,638; Aug. 19.
 Sewing-machine, Feeding mechanism. H. M. Stephenson. 1,783,060; Nov. 25.
 Sewing machine, Festoon-. K. Maier. 1,762,479; June 10.
 Sewing machine, Filled-bag-. N. V. Christensen and W. M. Hanneman. 1,756,938; May 6.
 Sewing-machine guide for hook tape. D. Silberman. 1,786,174; Dec. 23.
 Sewing machine, Hook-tape-. L. Roseman. 1,748,399; Feb. 25.
 Sewing machine, Label-. P. W. Hatfield. 1,785,412; Dec. 16.
 Sewing-machine lighting unit. L. C. Packer. 1,768,783; July 1.
 Sewing machine, Lock-stitch. M. Hemleb. 1,786,944; Dec. 30.
 Sewing machine, Looper-actuating mechanism for. A. B. Clayton. 1,784,512; Dec. 9.
 Sewing machine, Looper mechanism for. J. Berger. 1,768,103; June 24.
 Sewing-machine-needle controlling mechanism. F. M. Card. 1,754,608; Apr. 15.
 Sewing-machine presser device. H. Corral and J. Heggie. 1,745,152; Jan. 28.
 Sewing-machine presser foot. A. J. Carmichael, and O. Balzano. 1,784,177; Dec. 9.
 Sewing machine, Rotary-hook. W. N. Parkes. 1,756,699; Apr. 29.

- Sewing-machine ruffler. H. A. Lawton and A. J. Carmichael. 1,752,096; Mar. 25.
- Sewing-machine ruffler. A. D. Zeeck. 1,765,391; June 24.
- Sewing machine, Shoe. O. L. Lawson. 1,772,050; Aug. 5.
- Sewing machine, Shoe. E. Webb. 1,742,797; Jan. 7.
- Sewing-machine shuttle bobbin. H. G. Johnson. 1,786,618; Dec. 30.
- Sewing-machine tables, Disappearing machine rest for. D. H. Chason. 1,745,781; Feb. 4.
- Sewing-machine threader. A. McC. Fluharty. 1,753,114; Apr. 1.
- Sewing machine, Welt. J. R. Oliver. 1,770,992; July 22.
- Sewing machines, Attachment for. W. C. Hake. 1,743,817; Jan. 14.
- Sewing machines, Attachment for button-. J. S. Lohman. 1,786,354; Dec. 23.
- Sewing machines, Automatic lock stop for. W. R. Rogers. 1,744,678; Jan. 21.
- Sewing machines, Buttonhole attachment for. F. Campbell. 1,743,316; Jan. 14.
- Sewing machines, Centralizer for. H. C. Miller. 1,749,956; Mar. 11.
- Sewing machines, Centralizing mechanism for. H. C. Miller. 1,749,644; Mar. 4.
- Sewing machines, Chain cutter for. F. Lutz. 1,765,493; June 24.
- Sewing machines, Controlling device for electric. H. M. Stephenson. 1,752,212; Mar. 25.
- Sewing machines, Control mechanism for. D. Beswick. 1,752,142; Mar. 25.
- Sewing machines, Cord-guiding mechanism for buttonhole-. E. B. Allen. 1,745,882; Feb. 4.
- Sewing machines, Edge folding and securing means for. R. Loeb. 1,746,541; Feb. 11.
- Sewing machines, End cap for the work arms of. H. J. Le Vesconte. 1,744,774; Jan. 28.
- Sewing machines, Extension-cord retainer for. C. E. Colegrove. 1,754,160-2; Apr. 8.
- Sewing machines, Feed mechanism for. B. T. Leveque. 1,787,157; Dec. 30.
- Sewing machines, Feeding mechanism for. N. V. Christensen and W. M. Hanneman. 1,763,952; June 17.
- Sewing machines, Feeder mechanism for. J. Berger. 1,768,104; June 24.
- Sewing machines, Feeding mechanism for. J. Berger. 1,763,946; June 17.
- Sewing machines, Feeding mechanism for. N. V. Christensen and H. J. Le Vesconte. 1,765,206; June 17.
- Sewing machines, Folder mounting for. C. F. Rubel. 1,756,956; May 6.
- Sewing machines, Indicating means for fastener-tape-. L. Roseman. 1,742,222; Jan. 7.
- Sewing machines, Loop taker for. W. N. Parkes. 1,758,715; May 13.
- Sewing machines, Loop-taker mechanism for. W. N. Parkes. 1,763,670; June 17.
- Sewing machines, Looper-thread controller for buttonhole-. L. Kozlowski. 1,761,349; June 3.
- Sewing machines, Needle bar for. A. W. Barber. 1,764,865; June 17.
- Sewing machines, Needle-bar mechanism for. G. S. Gatchell. 1,748,709; Feb. 25.
- Sewing machines, Needle-thread-controlling device for. W. N. Parkes. 1,775,913; Sept. 16.
- Sewing machines, Operating mechanism for. S. F. Stein. 1,785,462; Dec. 16.
- Sewing machines, Presser foot and chain cutter for. F. Lutz. 1,765,342; June 17.
- Sewing machines, Presser foot for. W. M. Hanneman. 1,765,332; June 17.
- Sewing machines, Presser foot for. J. R. Moffatt. 1,765,604; June 24.
- Sewing machines, Presser-foot mechanism for. W. A. Feigel. 1,749,529; Mar. 4.
- Sewing machines, Rotary-hook mechanism for. M. L. Waterman. 1,750,447; Mar. 11.
- Sewing machines, Safety device for buttonhole-. E. B. Allen. 1,775,925; Sept. 16.
- Sewing machines, Sew slide for portable electric. R. W. Perry and P. E. Abell. 1,742,932; Jan. 7.
- Sewing machines, Stitch-forming mechanism for. W. L. Barron. 1,781,427; Nov. 11.
- Sewing machines, Stitch-forming mechanism for. W. Myers. 1,780,309; Nov. 4.
- Sewing machines, Stop mechanism for. W. P. Paxton. 1,776,478; Sept. 23.
- Sewing machines, Thread-controlling mechanism for. W. M. Hanneman. 1,766,123; June 24.
- Sewing machines, Thread-controlling mechanism for. J. R. Moffatt. 1,756,655; Apr. 29.
- Sewing machines, Thread-measuring mechanism for shoe-. O. L. Lawson. 1,786,621; Dec. 30.
- Sewing machines, Thread trimmer for. J. Klewicz. 1,743,356; Jan. 14.
- Sewing machines, Thread trimmer for. John Klewicz. 1,771,047; July 22.
- Sewing machines, Throat plate for. W. F. Lautenschlager. 1,773,046; Aug. 12.
- Sewing machines, Welt guide for. F. W. Merrick. 1,758,051; May 13.
- Sewing mechanism. G. E. Molyneux. 1,779,977; Oct. 28.
- Sewing wire for flat rope. R. Nitsch. 1,755,018; Apr. 15.
- Sextant. L. Radford and N. Davis. 1,743,979; Jan. 14.
- Shackle. A. C. Boschke and E. W. Black. 1,781,627; Nov. 11.
- Shackle. A. Weiland. 1,743,174; Jan. 14.
- Shackle, Column. M. E. De Mone. 1,751,309; Mar. 18.
- Shackle connection between spring and frame. A. L. Riker, jr. 1,783,199; Dec. 2.
- Shackle for cantilever spring suspensions, Nonmetallic. H. D. Geyer. 1,749,335; Mar. 4.
- Shackle for fowls. S. S. Barker and A. W. Bruce. 1,742,569; Jan. 7.
- Shackle lock. W. H. Smith. Des. 82,115; Sept. 23.
- Shackle, Rubber spring. L. Blackmore. 1,761,967; June 3.
- Shackle, Rubber spring. H. D. Geyer. 1,758,107; May 13.
- Shackle snap, Safety. J. J. Van Valkenburg. 1,751,458; Mar. 18.
- Shackle, Spring. T. L. Fawick. 1,782,091; Nov. 18.
- Shackle, Spring. G. Hunt. 1,749,818; Mar. 11.
- Shackle, Spring. D. G. Roos. 1,749,846-9; Mar. 11.
- Shackle, Spring. C. R. Short. 1,753,803; Apr. 8.
- Shackle, Spring. H. G. Trench. 1,763,110; June 10.
- Shackle, Steel-plate spring. S. A. Stranahan. 1,783,394; Dec. 2.
- Shade and awning, Combination. W. H. Peaden. 1,769,272; July 1.
- Shade and awning, Combined. E. E. McGrew. 1,784,300; Dec. 9.
- Shade and curtain fixture. A. B. Wendel. 1,787,097; Dec. 30.
- Shade and curtain holder, Window. F. B. Hammond. 1,746,114; Feb. 4.
- Shade and ray filter, Combination. A. Eckardt. 1,775,275; Sept. 9.
- Shade and screen for doors, windows, and the like. A. Campobasso. 1,782,339; Nov. 18.
- Shade attachment. W. H. Lofgren. 1,776,289; Sept. 23.
- Shade attachment for automobiles. M. P. Bollesen. 1,746,334; Feb. 11.
- Shade bracket. H. N. Cordsen. 1,744,682; Jan. 21.
- Shade bracket, Adjustable. G. P. Lawrence. 1,777,697; Oct. 7.
- Shade, Collapsible lamp. M. S. Clawson. 1,759,093; May 20.
- Shade, curtain, and drapery support, Combined window. W. and E. H. Bushey. 1,768,187; June 24.
- Shade device, Window-. E. R. Lawton. 1,768,410; June 24.
- Shade, Eye. R. A. Dawes. 1,759,041; May 20.
- Shade, Eye. L. Westgaard and G. M. Taggart, jr. 1,778,133; Oct. 14.
- Shade fixtures, Mounting for. R. E. Moore. 1,780,271; Nov. 4.
- Shade, Glass. G. L. Miller. Des. 80,849-50; Apr. 1.
- Shade guide. A. R. Anfinrud. 1,743,517; Jan. 14.
- Shade hanger. V. C. Hansen. 1,751,517; Mar. 25.
- Shade hanger, Window-. E. E. Gullion. 1,770,517; July 15.
- Shade, Illuminating. E. A. Gillinder. 1,769,993; July 8.
- Shade, Lamp. R. Beardsley. 1,753,981; Apr. 8.
- Shade, Lamp. C. T. Brady. 1,745,976; Feb. 4.
- Shade, Lamp. C. T. Brady. 1,782,601; Nov. 25.
- Shade, Lamp. F. Kesselring. 1,755,737; Apr. 22.
- Shade, Lamp. M. T. Knight. Des. 82,266-7; Oct. 14.
- Shade, Lamp. W. G. Leunis. 1,744,049; Jan. 21.
- Shade, Lamp. I. E. de Sherbinin. 1,784,048; Dec. 9.
- Shade, Lamp. R. W. Schweiker. Des. 81,110; May 6.
- Shade, Lamp. F. C. Shoenhut. Des. 82,958; Dec. 30.
- Shade, Lamp. H. F. Thurber and F. E. Greene. Des. 80,402; Jan. 21.
- Shade, Lamp. L. Zweig. Des. 80,715; Mar. 11.
- Shade mounting. W. Blanchard. 1,778,623; Oct. 14.
- Shade of a lighting fixture or article of similar nature, Glass. H. Bohl. Des. 82,477-8; Nov. 11.
- Shade-operating means. J. H. Hicinbothem. 1,751,735; Mar. 25.
- Shade, Ornamental. M. W. Smith. 1,769,000; July 1.
- Shade, Ornamental lamp. P. Capocci. 1,787,357; Dec. 30.
- Shade or article of similar nature, Lighting fixture. W. von Nessen. Des. 82,922; Dec. 23.
- Shade or awning, Vehicle window. D. W. Neil, jr. and A. B. Caskey. 1,760,250; May 27.
- Shade or blind. A. Amrein. 1,749,556; Mar. 4.
- Shade or similar article, Lamp. A. V. Penaluna. Des. 82,053; Sept. 16.
- Shade pull, Window. G. A. Higbee. 1,778,189; Oct. 14.
- Shade roller. A. Coppola. 1,775,814; Sept. 16.
- Shade roller, Metallic. W. O. N. Söderqvist. 1,782,977; Nov. 25.
- Shade roller, Spring-operated. W. O. N. Söderqvist. 1,782,976; Nov. 25.
- Shade-roller stop. B. E. Mesler. 1,765,170; June 17.
- Shade-roller stop, Automatic. B. W. Whitworth. 1,786,512; Dec. 30.
- Shade slat. S. E. Matovitz. 1,757,017; May 6.
- Shade stem for clusters. R. Popp. 1,772,910; Aug. 12.
- Shade, Ventilating window. S. Heilweil and B. Freidberg. 1,743,345; Jan. 14.
- Shade, Window. M. T. Gillbee. 1,765,145; June 17.
- Shade, Window. J. Heald. 1,764,789; June 17.
- Shade, Window. G. M. Jackson. 1,766,905; June 24.
- Shade, Window. G. G. Mott. 1,749,223; Mar. 4.
- Shade, Window. E. Reukauf, jr. 1,781,557; Nov. 11.
- Shade, Window. S. E. Snyder. 1,778,816; Oct. 21.
- Shading machine. W. Murphy. 1,747,315; Feb. 18.
- Shades to metallic rollers, Securing window. E. Reukauf, jr. 1,747,081; Feb. 11.

- Shadow lines on work pieces, Device for producing. H. Wiegmann. 1,786,925; Dec. 30.
- Shaft-advancing mechanism for use in hobbing long multiple grooves in shafts. U. S. Eberhardt. 1,755,916; Apr. 22.
- Shaft and its mounting, Brake-operating. A. Y. Dodge. 1,757,074; May 6.
- Shaft assembly. J. M. Talbot. 1,776,525; Sept. 23.
- Shaft, Chromium-plated worm. A. Champion. 1,753,773; Apr. 8.
- Shaft, Collapsible. W. H. Wendt. 1,746,976; Feb. 11.
- Shaft construction, Mine-. R. V. Proctor. 1,783,812; Dec. 2.
- Shaft coupling. T. Elliott. 1,766,247; June 24.
- Shaft coupling. K. Tessky. 1,782,324; Nov. 18.
- Shaft coupling, Automatic. P. J. Thomas. 1,775,741; Sept. 16.
- Shaft coupling, Flexible. M. W. Morgan. 1,770,743; July 15.
- Shaft coupling, Resilient. W. T. Eaton. 1,746,148; Feb. 4.
- Shaft coupling, Torque-cushioning. E. Sandner. 1,751,496; Mar. 25.
- Shaft coupling, Universal. W. E. Sykes. 1,763,332; June 10.
- Shaft, Flexible. E. Bertone. 1,747,693; Feb. 18.
- Shaft for golf clubs and the like. A. C. Link. 1,764,800; June 17.
- Shaft for golf clubs and the like. R. A. Link. 1,781,116; Nov. 11.
- Shaft for winding paper and the like, Expanding. C. S. Lenston. 1,763,794; June 17.
- Shaft-holding device. L. C. Wetzel. 1,746,375; Feb. 11.
- Shaft inclosure. P. H. Frank. 1,781,685; Nov. 18.
- Shaft-making machine, Flexible. L. H. Morin. 1,767,692-3; June 24.
- Shaft mounting and coupling for engines and cooperative parts. C. H. Knudsen. 1,750,044; Mar. 11.
- Shaft packings, Sealing. W. E. Ver Planck. 1,773,067; Aug. 12.
- Shaft protector and manufacturing the same. H. Christophersen. 1,755,387; Apr. 22.
- Shafting for engines. P. F. McGovern. 1,783,664; Dec. 2.
- Shafting, Making flexible. L. H. Morin. 1,767,694; June 24.
- Shafts, Method and apparatus for shaping. H. K. B. Davis. 1,767,836; June 24.
- Shake mechanism. F. A. Bowman. 1,786,933; Dec. 30.
- Shaker, Amalgam. J. H. McClure. 1,747,378; Feb. 18.
- Shaker cap. R. W. Wilson. 1,769,814-15; July 1.
- Shaker, Cocktail. R. W. H. Fox. 1,751,315; Mar. 18.
- Shaker, Cocktail. G. E. Morley. 1,744,328; Jan. 21.
- Shaker, Combined salt and pepper. G. B. Smith. 1,749,853; Mar. 11.
- Shaker, Condiment. L. M. Savoy. 1,742,562; Jan. 7.
- Shaker conveyers, Feeder for. J. H. D. Petersen and J. W. Wilson. 1,772,681; Aug. 12.
- Shaker, Grate. H. C. Woodbridge. 1,749,458; Mar. 4.
- Shaker, Salt or pepper. A. J. Flauder. Des. 80,723; Mar. 18.
- Shale, Method and apparatus for distilling. R. H. McKee. 1,774,391; Aug. 26.
- Shale or the like, Treating. W. H. Hampton. 1,778,515; Oct. 14.
- Shale, Treatment of. J. D. Zieley, F. A. Rudolf, and J. C. Ryder. 1,773,839; Aug. 26.
- Shank and bit punch. L. C. Bayles. 1,770,746; July 15.
- Shank and bit punch. D. W. Hart. 1,777,306; Oct. 7.
- Shank piece. J. W. Appleton. 1,743,648; Jan. 14.
- Shank stiffener. R. E. Bartels. 1,764,064; June 17.
- Shanking machine. D. E. Harding. 1,783,907; Dec. 2.
- Shaper. C. J. Davis. 1,766,168; June 24.
- Shaper feed mechanism. W. F. Zimmermann. 1,764,092; June 17.
- Shaper, Garment. A. C. Thour. 1,744,515; Jan. 21.
- Shaping curved surfaces, Method and apparatus for. L. Gruber. 1,770,032; July 8.
- Shaping machine. A. Barba. 1,755,860; Apr. 22.
- Shaping machine for candy canes and the like. J. B. Coffey. 1,762,327; June 10.
- Shaping machine, Vertical. J. J. Harten. 1,745,573; Feb. 4.
- Shaping-machine-worktable cross-rail guide. W. T. Zimmermann. 1,753,143; Apr. 1.
- Sharpening and point protector, Pencil. J. S. Kisson. 1,779,910; Oct. 28.
- Sharpening, Blade. S. M. Wixel. 1,754,295; Apr. 15.
- Sharpening, Combined scissor and knife. I. W. Farquharson. Des. 82,356; Oct. 21.
- Sharpening, Disk. C. W. Skow. 1,755,492; Apr. 22.
- Sharpening, Disk. B. F. Talley. 1,764,812; June 17.
- Sharpening, Drill. P. A. Nelson. 1,749,957; Mar. 11.
- Sharpening, Electric pencil. D. J. Gawron. 1,783,038; Nov. 25.
- Sharpening for knives, scissors, and the like. H. W. Kulp. 1,743,359; Jan. 14.
- Sharpening for razor blades. R. B. Stanford. 1,776,642; Sept. 23.
- Sharpening, Knife. E. W. Carpenter. Des. 82,929; Dec. 30.
- Sharpening, Knife. R. E. Millsap. 1,767,091; June 24.
- Sharpening, Knife. F. Pass. 1,749,442; Mar. 4.
- Sharpening, Knife. A. O. Samuels. 1,762,698; June 10.
- Sharpening, Lawn-mower. R. C. Nash. 1,745,439; Feb. 4.
- Sharpening, Lawn-mower. F. S. Robson. 1,763,481; June 10.
- Sharpening, Lawn-mower. J. D. Snow. 1,749,306; Mar. 4.
- Sharpening, Lead-pencil. F. Grüber. 1,770,336; July 8.
- Sharpening, Pencil. N. G. Barnard. 1,783,146; Nov. 25.
- Sharpening, Pencil. W. Benczalski. 1,780,371; Nov. 4.
- Sharpening, Pencil. C. H. Blomgren. 1,770,062; July 8.
- Sharpening, Pencil. C. M. Rew. 1,775,601; Sept. 9.
- Sharpening, Pencil. P. Siptrott. 1,744,812; Jan. 28.
- Sharpening, Pencil. J. A. Taylor. 1,777,903; Oct. 7.
- Sharpening, Razor-blade. E. Aaron. 1,758,915; May 20.
- Sharpening, Razor-blade. W. J. Breaux. 1,764,776; June 17.
- Sharpening, Razor-blade. A. A. English. 1,779,966; Oct. 28.
- Sharpening, Razor-blade. J. R. Gibson. 1,753,510; Apr. 8.
- Sharpening, Razor-blade. J. Holtzman. 1,742,707; Jan. 7.
- Sharpening, Scissors. A. H. Brougher. 1,750,504; Mar. 11.
- Sharpening, Skate. H. Thorngren. 1,786,553; Dec. 30.
- Sharpening switch, Pencil-. R. E. Bruss. 1,776,965; Sept. 30.
- Sharpening tool for razor blades. R. B. Stanford. 1,743,086; Jan. 7.
- Sharpeners, Attachment for pencil. O. A. Narverud. 1,753,275; Apr. 8.
- Sharpening device. E. A. Baltzell. 1,781,967; Nov. 18.
- Sharpening device. R. S. Brown. 1,771,840; July 29.
- Sharpening device. G. Greco. 1,747,827; Feb. 18.
- Sharpening device, Blade-. G. Fortune. 1,771,171; July 22.
- Sharpening device for curved edged tools. N. T. Pindar. 1,767,941; June 24.
- Sharpening device for lawn mowers. B. J. Alison. 1,751,020; Mar. 18.
- Sharpening device for lawn mowers, Blade. K. Minami. 1,756,162; Apr. 29.
- Sharpening device, Knife-. R. T. Hennessy. 1,746,353; Feb. 11.
- Sharpening device, Punch-. S. N. Tebander. 1,751,113; Mar. 18.
- Sharpening device, Razor. B. G. Montgomery. 1,773,689; Aug. 19.
- Sharpening device, Saw-. J. R. Stowell. 1,756,399; Apr. 29.
- Sharpening machine, Circular-saw-. J. F. Pribnow and E. F. Mitchell. 1,780,886; Nov. 4.
- Sharpening machine, Saw-. J. Strehle. 1,748,686; Feb. 25.
- Sharpening punches or the like. S. N. Tevander. 1,766,964; June 24.
- Sharpening the fly cutters of cigarette-rod machines. M. P. E. Hohn. 1,746,257; Feb. 11.
- Shaving apparatus. P. Müller. 1,772,675; Aug. 12.
- Shaving cup. J. E. Benton. 1,744,355; Jan. 21.
- Shaving cup, Stationary. A. Piccione. 1,782,793; Nov. 25.
- Shaving implement. G. F. Greene. 1,756,639; Apr. 29.
- Shaving machine. J. Schick. 1,747,031; Feb. 11.
- Shaving machine. J. Schick. 1,757,978; May 13.
- Shaving mug. E. C. Sasser. 1,756,957; May 6.
- Shaving preparation. N. Sulzberger. 1,744,061; Jan. 21.
- Shaving unit. J. Schick. 1,767,705; June 24.
- Sheaf-shocking machine. N. P. Boychuk and J. P. Boychuk. 1,782,837; Nov. 25.
- Shear, Hand. R. A. Purcell. 1,779,889; Oct. 28.
- Shear mechanism for glass feeders. K. E. Peiler. 1,760,435; May 27.
- Shear pin, Multiple. H. A. W. Wood. 1,778,477; Oct. 14.
- Shear, Utility. D. J. LaBauve. 1,750,411; Mar. 11.
- Shearing and riveting machine. C. A. Olson, F. L. Buch and T. E. Brooks. 1,783,445; Dec. 2.
- Shearing device. W. F. Bull. 1,777,032; Sept. 30.
- Shearing machine. F. Bansen. 1,776,244; Sept. 23.
- Shearing machine. A. J. Bates, jr. 1,764,285; June 17.
- Shearing machine, Angle-. J. A. Burger. 1,775,448; Sept. 9.
- Shearing machine, Cloth-. A. C. Mason. 1,749,829; Mar. 11.
- Shearing machine, Flash-. H. Tormyn. 1,756,918; Apr. 29.
- Shearing mechanism. C. B. Gray. 1,762,392; June 10.
- Shears: See—
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| Automatic shears. | Portable shears. |
| Flesh cutting and searing shears. | Power-actuated shears. |
| Hand shears. | Power-driven shears. |
| Milliner's shears. | Pruning shears. |
| Motor-driven shears. | Rotary shears. |
- Shears. F. R. Dagley. 1,746,073; Feb. 4.
- Shears. A. R. McArthur. 1,782,362; Nov. 18.
- Shears. E. E. Moore. 1,766,301; June 24.
- Shears. T. D. Williams. 1,758,019; May 13.
- Shears and driving mechanism therefor, Cutting. G. A. Ungar. 1,775,791; Sept. 16.
- Shearings and the like, Dyeing. J. G. Shoemaker. 1,754,287; Apr. 15.
- Sheath currents, Apparatus for reducing. F. J. White. 1,752,318-20; Apr. 1.
- Sheath, Knife. E. W. Rittler. 1,754,526; Apr. 15.
- Sheathing. D. Finley. 1,776,254; Sept. 23.
- Sheave. E. E. Greve. 1,761,825; June 3.
- Sheave. E. L. Harrington. 1,767,070; June 24.
- Sheaves, Preparing. A. E. Hansen. 1,747,629; Feb. 18.
- Sheet and envelope, Mailing. C. M. Snyder. 1,762,084; June 3.

- Sheet and package thereof, Interleaved. G. A. Shaffer. 1,767,859; June 24.
- Sheet and producing the same, Overlay. A. L. Smith. 1,742,618; Jan. 7.
- Sheet articles, Dispensing device for flexible. H. K. Lorentzen. 1,754,957; Apr. 15.
- Sheet catcher, Magnetic. J. G. Fitzgerald and L. M. Ripple. 1,777,139; Sept. 30.
- Sheet-collating means. F. C. Gibson. 1,764,509; June 17.
- Sheet-conveying apparatus. C. A. Upson. 1,778,095; Oct. 14.
- Sheet-delivery machine. J. P. Eriksen. 1,773,977; Aug. 26.
- Sheet-drying process and apparatus. J. B. Willsea. 1,768,498; June 24.
- Sheet-edge-forming device. J. A. Reece. 1,767,094; June 24.
- Sheet feeder. A. Broadmeyer. 1,766,482; June 24.
- Sheet feeder. H. Ehlig. 1,783,962; Dec. 9.
- Sheet feeder. G. R. Swart and H. Ehlig. 1,744,814; Jan. 28.
- Sheet-feeding apparatus. A. Broadmeyer. 1,744,864; Jan. 28.
- Sheet-feeding apparatus. J. N. Fountain. 1,762,537; June 10.
- Sheet-feeding apparatus. J. A. Johnson and G. W. Chalmers. 1,748,572; Feb. 25.
- Sheet-feeding device. C. E. Christophel. 1,763,598; June 10.
- Sheet-feeding device. C. E. Christophel. 1,784,335-6; Dec. 9.
- Sheet-feeding machine. H. K. King. 1,752,744; Apr. 1.
- Sheet-feeding machine. G. W. Swift, jr. 1,772,580; Aug. 12.
- Sheet-feeding machine. G. W. Swift, jr. 1,774,113; Aug. 26.
- Sheet-feeding means. G. W. Swift, jr. 1,756,073; Apr. 29.
- Sheet-feeding mechanism. T. A. Federwitz and W. T. Bailey. 1,770,483; July 15.
- Sheet-feeding mechanism. A. Novick. 1,771,652; July 29.
- Sheet-folding mechanism. A. Novick. 1,774,897; Sept. 2.
- Sheet-feeding mechanism. A. E. Petersen. 1,755,662; Apr. 22.
- Sheet-feeding mechanism. L. Sharp. 1,773,879; Aug. 26.
- Sheet-feeding mechanism and duplicating machine provided with such mechanism. J. Clatworthy. 1,745,404; Feb. 4.
- Sheet-feeding mechanism, Automatic. A. Ackley. 1,767,638; June 24.
- Sheet-feeding mechanism, Control device for. J. I. Haase. 1,763,583; June 10.
- Sheet folder. W. F. Mayer. 1,766,790; June 24.
- Sheet folder, Adjustable. W. F. Mayer. 1,766,789; June 24.
- Sheet folder, By-pass. W. F. Mayer. 1,766,791; June 24.
- Sheet for the manufacture of viscose. G. W. Blanco and C. Henningsen. 1,776,536; Sept. 23.
- Sheet handling and transfer mechanism. F. S. Farley. 1,768,586; July 1.
- Sheet-inserting mechanism. H. A. W. Wood. 1,774,780; Sept. 2.
- Sheetlike material, Method and apparatus for rolling thin. A. P. Steckel. 1,779,195; Oct. 21.
- Sheet-making apparatus. A. R. McArthur. 1,750,534; Mar. 11.
- Sheet material and article therefor, Fabricating unwoven. G. Bloch. 1,776,748; Sept. 23.
- Sheet material and method of making. A. E. H. Fair. 1,757,010; May 6.
- Sheet material by calenders, Method of and apparatus for saturating. W. G. Dudleston. 1,762,329; June 10.
- Sheet material, Feeding mechanism for. E. Houghton. 1,742,445; Jan. 7.
- Sheet material, Feeding mechanism for. H. H. Wydom. 1,763,735; June 17.
- Sheet material, Flexible. D. P. Cummings. 1,759,976; May 27.
- Sheet material, Machine for manufacturing articles from. J. H. Richardson. 1,755,191; Apr. 22.
- Sheet material, Method and apparatus for making inlaid. M. C. Teague. 1,782,107; Nov. 18.
- Sheet material, Method of and apparatus for saturating. L. Kirschbraun. 1,762,336; June 10.
- Sheet material, Method of and machine for folding. P. R. Glass. 1,766,426; Sept. 23.
- Sheet material, Saturating. G. P. Heppes. 1,776,586; Sept. 23.
- Sheet material, Saturating. L. Kirschbraun. 1,776,590; Sept. 23.
- Sheet-metal cutter. H. Junkers. 1,756,362; Apr. 29.
- Sheet-metal loading for freight cars. R. T. Romine. 1,772,731; Aug. 12.
- Sheet metal, Method and apparatus for shipping. R. T. Romine. 1,745,044; Jan. 28.
- Sheet metal, Method of and apparatus for rolling. J. R. Speer and F. H. Moyer. 1,785,986; Dec. 23.
- Sheet-metal press. F. J. Rode and J. H. Jochum, jr. 1,742,877; Jan. 7.
- Sheet-metal rack. W. N. Vance. 1,750,696; Mar. 18.
- Sheet-mounting device. W. H. Thomson. 1,775,742; Sept. 16.
- Sheet-packing apparatus. A. D. Evans and H. R. Gravenstreter. 1,767,442; June 24.
- Sheet piling. C. Beaujean. 1,784,777; Dec. 9.
- Sheet piling in box form. J. Meiser. 1,770,652; July 15.
- Sheet piling of box shape. K. Nolte. 1,776,164; Sept. 16.
- Sheet-piling section. R. S. A. Dougherty. 1,775,850; Sept. 16.
- Sheet scoring and slotting mechanism. S. M. Langston. 1,769,883; July 1.
- Sheet-separating apparatus. F. D. Kinney. 1,780,195; Nov. 4.
- Sheet separator. L. Sharp. 1,744,337; Jan. 21.
- Sheet stacker, Automatic. E. L. Donnelly. 1,761,881; June 3.
- Sheet-stretching machine. T. H. Heacock and P. Larson. 1,748,603; Feb. 25.
- Sheet, Transparent. M. Gentile. 1,748,949; Mar. 4.
- Sheet-winding machine. E. Tonelli. 1,765,779; June 24.
- Sheeting and method of making, Composite. G. A. Richter. 1,748,998; Mar. 4.
- Sheets and applying adhesive thereto, Assembling. C. C. Howard. 1,785,261; Dec. 16.
- Sheets, Apparatus for handling. L. S. Rosener. 1,743,397-8; Jan. 14.
- Sheets, Apparatus for rolling. J. Kennedy. 1,786,162; Dec. 23.
- Sheets, Apparatus for separating. P. Kruse. 1,787,077; Dec. 30.
- Sheets, Apparatus for slitting expanded. O. E. Gibson. 1,768,978; July 1.
- Sheets, Binding. J. E. Foulks. 1,768,593-4; July 1.
- Sheets, Folding. W. F. Mayer. 1,766,793; June 24.
- Sheets, Mechanism for opening. R. Edwards. 1,754,852; Apr. 15.
- Sheets of dissimilar metals, Forming integrally-joined. W. H. Klocke. 1,772,354-5; Aug. 5.
- Sheets of material, Apparatus for filing. E. J. Donnelley. 1,764,613; June 17.
- Sheets, Roll of interleaved. G. A. Shaffer. 1,767,860; June 24.
- Shelf. G. A. Shields. 1,762,669; June 10.
- Shelf and folding table, Combined. H. C. Webb. 1,758,726; May 13.
- Shelf bracket. A. Janke. 1,759,312; May 20.
- Shelf bracket. T. R. Pauling. 1,756,954; May 6.
- Shelf bracket, Bathroom-. C. E. Beardsley. 1,772,853; Aug. 12.
- Shelf bracket, Displaying-. L. T. Hunstiger. 1,746,117; Feb. 4.
- Shelf, Collapsible. R. Gese. 1,771,782; July 29.
- Shelf construction. J. E. Bales. 1,758,307; May 13.
- Shelf extension. F. K. Walter. 1,764,131; June 17.
- Shelf, Filing. C. Zimmerli. 1,770,119; July 8.
- Shelf, Oven. F. E. Seeley. 1,787,022; Dec. 30.
- Shelf rack. W. N. Vance. 1,752,315; Apr. 1.
- Shelf, Refrigerator. H. Kuckel. 1,748,843; Feb. 25.
- Shelf system, Delivery-vehicle-. J. D. Saville. 1,778,277; Oct. 14.
- Shell. Antiaircraft. E. G. West. 1,757,788; May 6.
- Shell for blasting cartridges. A. W. Helmholtz and D. Ferrell. 1,779,595; Oct. 28.
- Shell handle. J. B. Holden. 1,742,914; Jan. 7.
- Shell reamer. J. G. Matthews. 1,777,124; Sept. 30.
- Shell, Self-drilling expansion. J. H. Phillips. 1,755,489; Apr. 22.
- Shell, Shot. J. M. Olin. 1,757,584; May 6.
- Shell, Transparent. W. J. De Witt. 1,777,747; Oct. 7.
- Sheller: See—
Corn or meal sheller. Pea sheller.
- Shells for making a decorative material, Treating. A. H. Hilton. 1,744,634; Jan. 21.
- Shellac and making the same, Artificial. A. W. Burwell. 1,770,876; July 15.
- Shellac composition. R. E. Sumner. 1,781,711; Nov. 18.
- Shellaclike product and making the same. A. W. Burwell. 1,770,875; July 15.
- Shelter or shed for aircraft. F. Wasilkowski. 1,773,656; Aug. 19.
- Shelving. J. Brogden. 1,768,741; July 1.
- Shelving. C. E. Gerberich. 1,748,339; Feb. 25.
- Shelving. A. A. Pannier. 1,778,982; Oct. 21.
- Shelving. J. D. Smid. 1,765,888; June 24.
- Shelving, Knockdown. P. Dean. 1,782,119; Nov. 18.
- Shelving, Metal. W. N. Vance. 1,745,518; Feb. 4.
- Shelving, Shoe. W. T. Holmes. 1,761,667; June 3.
- Sherbet. J. Kirkpatrick. Des. 82,610; Nov. 25.
- Sherbet or similar article. A. C. Parker. Des. 81,738; Aug. 5.
- Sherbet or similar article. G. Sakler. Des. 80,972; Apr. 15.
- Shield. B. Caster-Udell. 1,764,912; June 17.
- Shield. H. W. Kulp and M. C. Dellinger. 1,776,159; Sept. 16.
- Shield. R. Malcom. 1,759,317; May 20.
- Shield, Anti-induction. A. Herz. 1,782,875; Nov. 25.
- Shield, Art. G. G. Singer, jr. 1,762,083; June 3.
- Shield, Body-protecting. C. G. Snavely. 1,786,268; Dec. 23.
- Shield, Clothing. J. Abramofsky. 1,750,560; Mar. 11.
- Shield, draft regulator, and antirattler for automobiles, Glare. W. I. Clements. 1,775,486; Sept. 9.
- Shield, Dress. S. Imbach. 1,765,725; June 24.
- Shield, Expansion. R. E. Ogden. 1,752,752; Apr. 1.
- Shield, Expansion. L. R. Zifferer. 1,756,419; Apr. 29.
- Shield, Face. R. E. Walker. 1,749,050; Mar. 4.
- Shield for automobile radiators. C. R. Davis. 1,787,035; Dec. 30.
- Shield for automobile windows. T. J. Kelleher. 1,742,815; Jan. 7.

- Shield for automobiles, Glare. C. Smith. Des. 82,288; Oct. 14.
- Shield for bank cages and the like, Protecting. W. E. Wright. 1,747,655; Feb. 18.
- Shield for garments. A. S. Friedlander. 1,764,555; June 17.
- Shield for locomotives and the like, Protective. C. M. Dolbier. 1,744,871; Jan. 28.
- Shield for motor-vehicle headlights. F. N. Pape. 1,782,629; Nov. 25.
- Shield for stoves, Metallic. A. E. Anderson. 1,764,595; June 17.
- Shield for telephone coin boxes, Coin-rejecting. P. De Veto. 1,748,280; Feb. 25.
- Shield for toilet seats, Sanitary. C. F. Harris. 1,761,391; June 3.
- Shield for window openings. B. M. Holden. 1,777,087; Sept. 30.
- Shield, Frost. E. T. Norbeck. 1,753,618; Apr. 8.
- Shield, Full-vision frost. C. F. Hogelund. 1,777,435; Oct. 7.
- Shield, Glare. C. Ebret. 1,749,181; Mar. 4.
- Shield, Glare. P. Groenenstein. 1,781,545; Nov. 11.
- Shield, Hot-air-register. W. F. Gammeter. Des. 81,576; July 15.
- Shield, Nonglare. R. E. Tidmarsh. 1,764,478; June 17.
- Shield, Radiator. J. Adler. 1,778,544; Oct. 14.
- Shield, Radiator. G. L. Smith. 1,764,759; June 17.
- Shield, Sanitary garment. H. Abrahamson. 1,765,896; June 24.
- Shield, Shampoo. M. Morgan. 1,750,937; Mar. 18.
- Shield, Splash. A. Angell. 1,742,748; Jan. 7.
- Shield, Sun and rain. G. W. Miller. 1,760,429; May 27.
- Shield, Toe-dancer's. J. G. Keeling. 1,744,122; Jan. 21.
- Shield, Washboard. W. H. Keune. 1,771,441; July 29.
- Shielding. H. O. Peterson. 1,765,443; June 24.
- Shielding arrangement. G. Crisson. 1,786,412; Dec. 23.
- Shielding system. A. W. Hull. 1,747,938; Feb. 18.
- Shift mechanism, Single-lever eight-speed. D. C. Klansmeyer and H. E. Darby. 1,765,592; June 24.
- Shim. N. L. Derby. 1,743,809; Jan. 14.
- Shim. N. L. Derby. 1,748,212; Feb. 25.
- Shim and making the same, Babbitted. J. C. Yordon. 1,768,653; July 1.
- Shim and shim pack. J. C. Yordon. 1,768,652; July 1.
- Shim construction for side bearings. G. S. Crawford. 1,748,412; Feb. 25.
- Shim for brake linings, Repair. S. A. Gruber. 1,756,353; Apr. 29.
- Shim-holder cap, Adjustable. S. Petersen. 1,785,596; Dec. 16.
- Shim-holding device for car trucks. P. J. McCullough. 1,757,937; May 6.
- Shim or clamp, Pipe. A. J. Allyn. 1,776,343; Sept. 23.
- Shims, Apparatus for assembling. I. B. Winslow. 1,749,620; Mar. 4.
- Shingle. W. Becker. 1,775,927; Sept. 16.
- Shingle. D. Finley. 1,773,352; Aug. 19.
- Shingle. N. P. Harshberger. 1,770,693; July 15.
- Shingle. N. P. and R. P. Harshberger. 1,756,742; Apr. 29.
- Shingle. J. A. McCarthy. Re17,836; Oct. 21.
- Shingle. C. J. Melby. 1,764,412; June 17.
- Shingle. H. C. Naterman. Des. 81,200; May 20.
- Shingle. R. P. Perry. 1,742,724; Jan. 7.
- Shingle. W. A. Schollmeyer. 1,750,331-2; Mar. 11.
- Shingle. J. H. Weller. 1,772,924; Aug. 12.
- Shingle and cutting the same. C. W. Mortimer. 1,744,490; Jan. 21.
- Shingle and making same. W. C. Davis. 1,785,830; Dec. 23.
- Shingle and making the same, Multicolor strip. C. E. Rahr. 1,758,059; May 13.
- Shingle and shingle roofing. P. E. Lombard. 1,776,949; Sept. 30.
- Shingle and veneer Cutting machine. J. E. Eckersley. 1,785,439; Dec. 16.
- Shingle, Composition. N. P. Harshberger. 1,759,901; May 27.
- Shingle, Composition. N. P. and R. P. Harshberger. 1,756,741; Apr. 29.
- Shingle construction. S. Arcidiacono. 1,768,280; June 24.
- Shingle construction and composition. G. B. Stryker, jr. 1,761,756; June 3.
- Shingle construction, Metal-roofing. J. Fulenwider and H. Fulenwider. 1,743,206; Jan. 14.
- Shingle-cutting machine, Strip. H. R. Fiedler and A. Grau. 1,762,330; June 10.
- Shingle elements, Producing. A. O. Mickelson and D. A. Cumfer. 1,762,405; June 10.
- Shingle gauge. F. L. Nelson. 1,750,854; Mar. 18.
- Shingle guide, Automatic. F. O. Dome. 1,775,815; Sept. 16.
- Shingle-locking device. F. W. Yeager and W. P. Schulz. 1,757,351; May 6.
- Shingle or similar article. J. A. Topping. Des. 81,768; Aug. 5.
- Shingle, Roofing. W. A. Harris. Re17,862; Nov. 11.
- Shingle, Sheet-metal. W. J. Bosquet. 1,775,930; Sept. 16.
- Shingle-strip machine. H. Reichel. 1,758,410; May 13.
- Shingle strip, Thick-butt. F. C. Overbury. 1,756,989; May 6.
- Shingle stripper. D. Stinger. 1,751,562; Mar. 25.
- Shingle support. Eave. A. Audet. 1,756,476; Apr. 29.
- Shingles and the like, Treating. J. A. McKercher. 1,756,373; Apr. 29.
- Shingles, Method of and apparatus for making strip. F. C. Overbury. 1,751,945; Mar. 25.
- Shingles, Method of and apparatus for making strip. F. C. Overbury. 1,765,800; June 24.
- Shingles, Preparatory process in the manufacture of re-sawn shake. W. S. Smith. 1,763,269; June 10.
- Shingles, Staining. H. E. Gosch. 1,772,542; Aug. 12.
- Shingles, Treating. A. S. Guerin and C. E. Schulte. 1,747,828; Feb. 18.
- Shingling material. C. S. Crary. 1,779,694; Oct. 28.
- Ship. J. H. Cummins. 1,754,149; Apr. 8.
- Ship and propeller, Combined. L. Kort. 1,759,511; May 20.
- Ship for conveying river boats across the sea, Dock. O. Popper. 1,783,450; Dec. 2.
- Ship-lap joint. J. Cogito and B. Ingrassia. 1,758,886; May 13.
- Ship log. J. Walker. 1,765,039; June 17.
- Ship-propelling means. A. C. McIntosh. 1,758,847; May 13.
- Ship-propelling means. R. Wiernikowski. 1,743,508; Jan. 14.
- Ship propulsion. P. F. Riley. 1,749,087; Mar. 4.
- Ship-propulsion system, Electric. D. E. Jewitt. 1,754,021; Apr. 8.
- Ship, Salvaging. K. A. Wortmann. 1,776,210; Sept. 16.
- Ship, Tank. R. Paulsen. 1,751,756; Mar. 25.
- Ship-unloading device. M. Abriani. 1,765,118; June 17.
- Ship with aeroplane deck. W. Hefti. 1,757,770; May 6.
- Shipment of door handles and the like, Facilitating. B. S. Moore. 1,762,559; June 10.
- Shipping and display box. P. A. Nemoede. 1,776,923; Sept. 30.
- Shipping bill, Multisection-unit. C. L. Gladfelter. 1,774,090; Aug. 26.
- Shipping case. I. Hill and R. H. Clayton. 1,774,511; Sept. 2.
- Shipping case, Composite. P. F. Boeye. 1,743,703; Jan. 14.
- Shipping case, Ice-cream-. E. M. Robinson. 1,757,335; May 6.
- Shipping case, Ice-cream-. E. M. Robinson. 1,762,527; June 10.
- Shipping device. A. G. Girard. 1,748,122; Feb. 25.
- Shipping device. F. L. Seeley and C. L. Snyder. 1,780,277; Nov. 4.
- Shipping device. C. L. Snyder. 1,760,089; May 27.
- Shipping device. C. L. Snyder. 1,776,935; Sept. 30.
- Shipping device. C. L. Snyder. 1,780,317-18; Nov. 4.
- Shipping device, Export. R. W. Chalmers. 1,761,969; June 3.
- Shipping drum and making the same. H. E. McCrery. 1,770,163; July 8.
- Shipping metal, method and apparatus for. R. T. Romine. 1,745,056; Jan. 28.
- Shipping metal, Method and apparatus for. R. T. Romine. 1,784,909; Dec. 16.
- Shipping pack. W. E. Parsons and E. H. Boody. 1,743,085; Jan. 7.
- Shipping package for tappets. L. C. Case. 1,744,211; Jan. 21.
- Ships and the like, Auxiliary power means for. J. A. Choquette. 1,747,817; Feb. 18.
- Ships, Apparatus and method for cooling cargo space in. W. L. Green, jr. 1,744,468; Jan. 21.
- Ships, Device for raising and buoying up. J. C. Hills. 1,767,672; June 24.
- Ship's fender. C. T. Lyons. 1,781,403; Nov. 11.
- Ships, Flanking vane for. C. E. Ward. 1,764,918; June 17.
- Ships from collisions and radio apparatus therefor, Protecting. C. R. Fisher and F. V. N. Bradley. 1,767,749; June 24.
- Ship's lifeboat, raft, and like life-saving apparatus for use at sea. L. Ghirardi. 1,746,769; Feb. 11.
- Ship's life-saving apparatus. J. Kelly. 1,754,213; Apr. 8.
- Ship's light. A. Luders. 1,776,004; Sept. 16.
- Ships, Method and apparatus for raising submerged-. W. L. Culbertson. 1,772,709; Aug. 12.
- Ships, Propelling. F. W. Gay. 1,749,071; Mar. 4.
- Ships, Stabilizing. H. H. Dow. 1,774,825; Sept. 2.
- Ships, Stabilizing device for. M. Kéféli. 1,751,278; Mar. 18.
- Ship's structure. N. Akimoff. 1,778,993; Oct. 21.
- Shirt. J. L. Corbi. 1,753,551; Apr. 8.
- Shirt. J. L. Corbi. 1,762,913; June 10.
- Shirt. G. A. Ripley. 1,786,919; Dec. 30.
- Shirt. W. Rubinstein. 1,771,101; July 22.
- Shirt and collar combination. G. A. Brown. 1,778,582; Oct. 14.
- Shirt construction. C. M. Warden. 1,758,341; May 13.
- Shirt cuff sleeve. A. Menzin. 1,751,832; Mar. 25.
- Shirt detachably combined with a collar. Y. Kimura. 1,774,441; Aug. 26.
- Shirt, Dress. E. J. Quigley. 1,749,887; Mar. 11.
- Shirt, Health suspender. H. W. Laird. 1,751,701; Mar. 25.
- Shirt-holding device. G. Locke. 1,773,538; Aug. 19.
- Shirt, Reversible. F. L. and M. Stewart. 1,768,381; June 24.
- Shirt, Stay-down. J. H. Clark. 1,786,105; Dec. 23.
- Shirt, Turn-down-collar. 1,776,673; Sept. 23.
- Shock absorber. W. J. Albersheim and H. S. Konheim. 1,782,113; Nov. 18.

- Shock absorber. J. P. Baldwin and C. Garver. 1,784,328; Dec. 9.
- Shock absorber. G. W. Blackinton. 1,785,510; Dec. 16.
- Shock absorber. D. B. D. Blake. 1,783,599; Dec. 2.
- Shock absorber. A. F. Blanchard. 1,743,591; Jan. 14.
- Shock absorber. G. Boella. 1,782,457; Nov. 25.
- Shock absorber. N. L. Causan. 1,761,870; June 3.
- Shock absorber. W. G. Chausse. 1,746,928; Feb. 11.
- Shock absorber. W. A. Chryst. 1,759,888; May 27.
- Shock absorber. H. A. Danforth. 1,771,290; July 22.
- Shock absorber. D. De Myers. 1,772,754; Aug. 12.
- Shock absorber. G. H. E. de Ram. 1,752,240; Mar. 25.
- Shock absorber. N. L. Dootson. 1,766,288; June 24.
- Shock absorber. A. A. Dowd and H. E. Jackson. 1,771,879; July 29.
- Shock absorber. C. E. Dunn. 1,767,520; June 24.
- Shock absorber. F. T. Elliott. 1,750,996; Mar. 18.
- Shock absorber. F. T. Elliott. 1,767,059; June 24.
- Shock absorber. G. W. Elsey. 1,759,894-5; May 27.
- Shock absorber. G. W. Elsey. 1,759,939; May 27.
- Shock absorber. G. W. Elsey. 1,785,894; Dec. 23.
- Shock absorber. H. O. Fletcher. 1,750,711; Mar. 18.
- Shock absorber. E. Floor and E. Sejersen. 1,755,290; Apr. 22.
- Shock absorber. C. H. Foster. 1,769,425; July 1.
- Shock absorber. C. H. Foster. 1,770,031; July 8.
- Shock absorber. C. H. Foster. 1,773,728; Aug. 26.
- Shock absorber. J. G. Fox and H. Helmholtz. 1,748,337; Feb. 25.
- Shock absorber. W. T. Fox. 1,776,766; Sept. 23.
- Shock absorber. H. Fromm. 1,753,047; Apr. 1.
- Shock absorber. P. Grabler. 1,784,005; Dec. 9.
- Shock absorber. L. W. Greve. 1,782,141; Nov. 18.
- Shock absorber. G. Groebli. 1,753,430; Apr. 8.
- Shock absorber. E. J. Gulick. 1,774,094; Aug. 26.
- Shock absorber. J. M. Hall. 1,766,336; June 24.
- Shock absorber. J. M. Hall. 1,776,972-3; Sept. 30.
- Shock absorber. W. B. Hite, jr. 1,782,533; Nov. 25.
- Shock absorber. B. B. Holmes. 1,751,479; Mar. 25.
- Shock absorber. U. A. Inman. 1,782,725; Nov. 25.
- Shock absorber. W. Jones. 1,774,144; Aug. 26.
- Shock absorber. R. E. Kimball. 1,765,429; June 24.
- Shock absorber. E. J. Kolodziej. 1,747,306; Feb. 18.
- Shock absorber. M. C. Krarup. 1,749,590; Mar. 4.
- Shock absorber. L. L. Lomar. 1,776,388; Sept. 23.
- Shock absorber. L. L. Lomar. 1,784,529; Dec. 9.
- Shock absorber. R. M. Lovejoy. 1,759,123; May 20.
- Shock absorber. H. Ludwig. 1,784,191; Dec. 9.
- Shock absorber. B. L. Mallory. 1,769,444; July 1.
- Shock absorber. B. L. Mallory. 1,786,956; Dec. 30.
- Shock absorber. G. C. Martin. 1,748,237; Feb. 25.
- Shock absorber. C. J. Nash. 1,753,937; Apr. 8.
- Shock absorber. J. F. O'Connor. 1,761,272; June 3.
- Shock absorber. V. Patricolo. 1,783,387-8; Dec. 2.
- Shock absorber. R. F. Peo. 1,781,127; Nov. 11.
- Shock absorber. C. A. Persons. 1,746,902; Feb. 11.
- Shock absorber. C. F. Reagan. 1,781,341; Nov. 11.
- Shock absorber. J. S. Reid. 1,769,964; July 8.
- Shock absorber. F. R. Reifsnnyder. 1,782,631; Nov. 25.
- Shock absorber. F. H. Royce. 1,749,609; Mar. 4.
- Shock absorber. E. Ryder. 1,760,006; May 27.
- Shock absorber. C. W. Sherman. 1,771,320; July 22.
- Shock absorber. C. W. Sherman and J. M. Hall. 1,770,674; July 15.
- Shock absorber. A. B. Shultz. 1,773,282; Aug. 19.
- Shock absorber. S. Smith. 1,745,033; Jan. 28.
- Shock absorber. E. R. Snook. 1,744,991; Jan. 28.
- Shock absorber. E. R. Snook. 1,745,281; Jan. 28.
- Shock absorber. J. R. Snyder. 1,754,488; Apr. 15.
- Shock absorber. J. R. Snyder. 1,758,090; May 13.
- Shock absorber. J. M. Strauss. 1,773,207; Aug. 19.
- Shock absorber. M. Tibbetts. 1,766,848; June 24.
- Shock absorber. W. Van Guilder and A. C. Wood. 1,748,664; Feb. 25.
- Shock absorber, Airplane. H. C. Karcher. 1,744,551; Jan. 21.
- Shock absorber, Air-spring. J. A. Heany. 1,769,782; July 1.
- Shock absorber and snubber. B. F. Eakin. 1,778,786; Oct. 21.
- Shock-absorber attachment. W. P. Day. 1,750,510; Mar. 11.
- Shock absorber, Automatic. D. Simon. 1,744,926; Jan. 28.
- Shock absorber, Double-acting. G. E. A. Hallett. 1,785,899; Dec. 23.
- Shock absorber, Electric. A. W. Harrison. 1,752,844; Apr. 1.
- Shock absorber for aircraft. L. W. Greve. 1,767,069; June 24.
- Shock absorber for automobiles. F. H. McLain. 1,746,840; Feb. 11.
- Shock absorber for guns. S. R. Pruyn. 1,785,977; Dec. 23.
- Shock absorber for inverted lamps. A. J. Thompson. 1,762,285; June 10.
- Shock absorber for landing gears for aeroplanes. J. F. Wallace. 1,759,674; May 20.
- Shock absorber for landing gears of airplanes. E. Daland. 1,785,339; Dec. 16.
- Shock absorber for motor vehicles. R. Smith. 1,771,001; July 22.
- Shock absorber for oil-well pump rods. F. C. Baker. 1,750,917; Mar. 18.
- Shock absorber for vehicles. C. N. Mitchell. 1,778,905; Oct. 21.
- Shock absorber for vehicles. J. F. O'Connor. 1,761,273; June 3.
- Shock absorber, Hydraulic. A. S. Dunstan. 1,743,959; Jan. 14.
- Shock absorber, Hydraulic. E. E. Foster. 1,752,072; Mar. 25.
- Shock absorber, Hydraulic. S. L. Marsh. 1,765,929; June 24.
- Shock absorber, Hydraulic. A. R. McGonegal. 1,765,930; June 24.
- Shock-absorber means for vehicles. E. F. Cowley. 1,755,685; Apr. 22.
- Shock absorber or doorcheck, Vehicle. H. J. Sullivan. 1,771,276; July 22.
- Shock absorber, Pneumatic. F. H. Blakeslee. 1,754,346; Apr. 15.
- Shock absorber, resilient suspension means, and the like. G. L. Brooke-Hunt and L. Rowland. 1,772,414; Aug. 5.
- Shock absorber, Steering. J. V. Martin. 1,770,938; July 22.
- Shock absorber, Vehicle. E. H. Kreider. 1,785,814; Dec. 23.
- Shock-absorbing attachment for crutches. M. H. Sullivan. 1,761,502; June 3.
- Shock-absorbing device. B. F. Seymour. 1,755,194; Apr. 22.
- Shock absorbing device for automobiles. A. A. Wilson and A. D. Robertson. 1,766,318; June 24.
- Shock-absorbing device for mechanically-propelled vehicles. J. W. Turner, H. Wood, and E. Mann. 1,753,099; Apr. 1.
- Shock-absorbing means for vehicles. F. G. G. Armstrong. 1,767,113; June 24.
- Shock-absorbing mechanism. A. O. Buckius. 1,760,396; May 27.
- Shock-absorbing mechanism especially adapted for draft rigging of railway cars. S. B. Haseltine. 1,746,831; Feb. 11.
- Shock-absorbing mechanism for automobiles. J. F. O'Connor. 1,761,226; June 3.
- Shock-absorbing mechanism for vehicles. J. F. O'Connor. 1,761,274; June 3.
- Shock-absorbing mechanism, Friction. W. H. Miner. 1,780,358; Nov. 4.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,747,481-2; Feb. 18.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,758,966-7; May 20.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,762,096; June 3.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,762,415; June 10.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,765,876; June 24.
- Shock-absorbing pitman arm. H. D. Geyer. 1,761,526-7; June 3.
- Shock-absorbing strut. J. F. Wallace. 1,767,105; June 24.
- Shock-absorbing strut. J. F. Wallace. 1,780,659; Nov. 4.
- Shock-absorbing strut for aircraft. J. F. Wallace. 1,780,660; Nov. 4.
- Shock diffuser, Hydraulic. L. S. Heth. 1,751,696; Mar. 25.
- Shock-forming machine. F. J. McCann. 1,770,416-17; July 15.
- Shock-forming machine. F. J. Seng. 1,761,314; June 3.
- Shock from a telephone receiver, Preventing acoustic. E. C. Pritchett. 1,745,690; Feb. 4.
- Shock-insulated draft connection. F. C. McManus. 1,746,954; Feb. 11.
- Shock loader. A. B. Blockwood and H. J. Harkness. 1,771,285; July 22.
- Shock loader. J. F. Thomson. 1,759,073; May 20.
- Shock loading or unloading machine. J. W. Jackson. 1,780,299; Nov. 4.
- Shock reducer for vehicles provided with leaf springs. H. F. J. Bernaerts. 1,784,128; Dec. 9.
- Shocker. W. A. Fifield. 1,761,333; June 3.
- Shocker. W. L. M. Jones. 1,752,301; Apr. 1.
- Shocker, Vine-crop. C. E. Lee. 1,751,243; Mar. 18.
- Shocks in any moving mechanism, Apparatus for revealing. H. V. E. Vatinet and C. Durand. 1,746,171; Feb. 4.
- Shoe. L. Bean. 1,764,821; June 17.
- Shoe. A. F. Carlson. 1,774,743; Sept. 2.
- Shoe. J. W. Cooke. 1,776,106; Sept. 16.
- Shoe. D. A. Cutler. 1,752,787; Apr. 1.
- Shoe. C. H. Daniels. Des. 82,079; Sept. 23.
- Shoe. F. W. Ellington. Des. 82,236-7; Oct. 7.
- Shoe. F. W. Ellington. Des. 82,416-18; Nov. 4.
- Shoe. F. W. Ellington. Des. 82,469; Nov. 4.
- Shoe. H. Finkelstein. 1,772,179; Aug. 5.
- Shoe. L. L. Gant. 1,754,996; Apr. 15.
- Shoe. J. F. Gilkerson. 1,751,990; Mar. 25.
- Shoe. A. V. Grundmann. 1,744,308; Jan. 21.
- Shoe. D. I. Haskell. Des. 81,331; June 10.
- Shoe. D. I. Haskell. 1,763,605; June 10.
- Shoe. M. Hirshfield. 1,760,197; May 27.
- Shoe. F. G. Hooke and J. J. Flynn. 1,751,036; Mar. 18.
- Shoe. E. C. Huth. Des. 81,538; July 8.
- Shoe. C. L. Laible. 1,767,801; June 24.
- Shoe. J. V. Mattos. 1,744,322; Jan. 21.
- Shoe. R. F. McCarthy. 1,749,084; Mar. 4.
- Shoe. C. Morali. Des. 80,576-7; Feb. 25.
- Shoe. C. Morali. Des. 80,905; Apr. 8.
- Shoe. C. Morali. Des. 80,963; Apr. 15.
- Shoe. A. C. Mudge. 1,779,677; Oct. 28.
- Shoe. F. J. O'Donnell. 1,758,405; May 13.

- Shoe. A. Perugia. Des. 80,632; Mar. 4.
 Shoe. L. O. Pickett. 1,767,698; June 24.
 Shoe. D. F. Quigley. Des. 82,281; Oct. 14.
 Shoe. R. A. Selby. Des. 80,746; Mar. 18.
 Shoe. R. A. Selby. Des. 82,112; Sept. 23.
 Shoe. R. A. Selby. Des. 82,761; Dec. 9.
 Shoe. J. D. Shepherd. 1,744,246; Jan. 21.
 Shoe. D. E. Spathelf. 1,760,665; May 27.
 Shoe. E. B. Ward. 1,763,283; June 10.
 Shoe. A. A. Williams. 1,763,997; June 17.
 Shoe and cleat therefor, Athletic. E. G. Howard. 1,782,569; Nov. 25.
 Shoe and fixing shoe stiffeners in position therein. H. H. Beckwith. 1,777,544; Oct. 7.
 Shoe and heel drilling machine. F. E. Bertrand. 1,748,059; Feb. 25.
 Shoe and heel therefor. M. A. Comeau. 1,762,546; June 10.
 Shoe and hosiery bench. C. F. Wellington. 1,749,865; Mar. 11.
 Shoe and hosiery stand, Combination. J. C. Ross. 1,752,699; Apr. 1.
 Shoe and insole. P. F. W. C. Krippendorf. 1,751,742; Mar. 25.
 Shoe and making same. F. Faleck. 1,767,748; June 24.
 Shoe and making same. A. L. Fried. 1,784,806; Dec. 9.
 Shoe and making same. H. Lifschutz. 1,751,282; Mar. 18.
 Shoe and making same, Athletic. L. L. Steed. 1,753,872; Apr. 8.
 Shoe and making the same. E. Brenner. 1,756,083; Apr. 29.
 Shoe and making the same. E. J. Ray. 1,765,849; June 24.
 Shoe and making the same. J. K. Smith. 1,744,147; Jan. 21.
 Shoe and shoe sole and shank stiffener therefor. R. B. Bartels. 1,766,479; June 24.
 Shoe and skate, Combination. R. F. Duff. 1,773,303; Aug. 19.
 Shoe and the manufacture thereof. F. N. La Chapelle. 1,775,131; Sept. 9.
 Shoe, Arch or truss. L. Davidson. 1,783,958; Dec. 9.
 Shoe, Arch-support. J. L. Putzel. 1,764,523; June 17.
 Shoe attachment. A. L. Sothen. 1,763,543; June 10.
 Shoe attachment. J. Tagler. 1,758,091; May 13.
 Shoe, Baby. L. J. Golden. 1,778,074; Oct. 14.
 Shoe, Baby's. P. Klauer. Des. 82,434; Nov. 4.
 Shoe, Baby's. K. Schaffner. Des. 80,809; Mar. 25.
 Shoe, Bathing. E. Gorjan. 1,785,623; Dec. 16.
 Shoe, Bathing. T. J. Howland. 1,746,478; Feb. 11.
 Shoe-bottom-filling machine. G. H. Maxwell. 1,743,720; Jan. 14.
 Shoe box. J. Farago. 1,764,251; June 17.
 Shoe box, Baby's. B. Schubart. Des. 81,159; May 13.
 Shoe box, Baby's. B. Schubart. Des. 82,523-4; Nov. 11.
 Shoe caps and the article produced thereby, Ornamenting leather. B. F. King. 1,744,553; Jan. 21.
 Shoe cementer. A. F. Pym. 1,772,467; Aug. 12.
 Shoe cleaner. C. E. Cazel. 1,760,815; May 27.
 Shoe construction. R. S. Blair. 1,759,034; May 20.
 Shoe construction. H. B. Lapidus. 1,745,627; Feb. 4.
 Shoe construction. S. L. Marcus. 1,781,118; Nov. 11.
 Shoe construction. G. A. Schroeter. 1,781,197; Nov. 11.
 Shoe construction. J. Weiss. 1,749,864; Mar. 11.
 Shoe, Contact. W. K. Howe. 1,766,639; June 24.
 Shoe, Corrective. F. L. Richardson and L. S. Macdonald. 1,768,491; June 24.
 Shoe, Corrective. F. L. Richardson and L. S. Macdonald. 1,778,002; Oct. 7.
 Shoe counter. C. Miller. 1,781,953; Nov. 18.
 Shoe counter. N. J. Robert. 1,782,632; Nov. 25.
 Shoe, Cushion. J. F. Gilkerson. 1,751,991; Mar. 25.
 Shoe, Cushioned. F. M. Gilkerson. 1,785,410; Dec. 16.
 Shoe filler. C. C. Eaton. 1,754,225; Apr. 15.
 Shoe-finishing machine. A. W. Brice and W. Hamann. 1,746,519; Feb. 11.
 Shoe-finishing machine. E. J. Ray. 1,743,480; Jan. 14.
 Shoe-fitting apparatus. E. J. Bliss. 1,745,144. Jan. 28.
 Shoe for rammer and tamper butts, Cushion. C. Fey. 1,757,562; May 6.
 Shoe form. E. Dami. 1,759,566; May 20.
 Shoe form. W. J. DeWitt. 1,758,278; May 13.
 Shoe form. W. J. De Witt. 1,771,674; July 29.
 Shoe form. W. J. De Witt. 1,774,702; Sept. 2.
 Shoe form. W. J. De Witt. 1,777,166; Sept. 30.
 Shoe form. W. J. De Witt. 1,777,746; Oct. 7.
 Shoe form. J. S. Hansen. 1,778,594; Oct. 14.
 Shoe form. A. G. Legge. 1,775,106; Sept. 9.
 Shoe having separable sole and upper. B. M. Weir. 1,758,342; May 13.
 Shoe heater. M. O. Jennings. 1,753,705; Apr. 8.
 Shoe heater. M. O. Jennings. 1,758,256; May 13.
 Shoe heater. M. O. Jennings. 1,760,905; June 3.
 Shoe heel cover. J. Burger. Des. 82,925; Dec. 23.
 Shoe heel or similar article. W. H. Burchfield. Des. 81,917-18; Sept. 2.
 Shoe-heel protector. G. Siese, jr. 1,769,758; July 1.
 Shoe-heel-setting device. W. A. Thum. 1,756,708; Apr. 29.
 Shoe horn and buttoner. G. W. Byrd. 1,766,374; June 24.
 Shoe lace. W. C. Breadon. 1,767,732; June 24.
 Shoe lace and fastening therefor. G. G. Yugawa. 1,775,013; Sept. 2.
 Shoe lace, Elastic. C. S. Bonne. 1,772,238; Aug. 5.
 Shoe-lace knitter. D. H. Hardy. 1,782,066; Nov. 18.
 Shoe-lasting device. H. H. Roosa. 1,754,695; Apr. 15.
 Shoe lengthener and stretcher. H. Hordes. 1,745,423; Feb. 4.
 Shoe machine. F. Ashworth and A. Thompson. 1,774,498; Sept. 2.
 Shoe machine. E. R. Pope. 1,785,843; Dec. 23.
 Shoe machine. J. Sandt. 1,753,836; Apr. 8.
 Shoe machine. L. E. Topham. 1,753,452; Apr. 8.
 Shoe machine. G. E. Warren. 1,779,509; Oct. 28.
 Shoe machine. S. W. Winslow, jr. 1,772,060; Aug. 5.
 Shoe machinery. C. A. Widder and G. Codish. 1,742,491; Jan. 7.
 Shoemaking. E. R. Pope. 1,786,030; Dec. 23.
 Shoemaking. S. W. Winslow, jr. 1,772,059; Aug. 5.
 Shoe-making machine. A. Abel. 1,779,079; Oct. 21.
 Shoe manufacture. F. P. Williams. 1,758,135; May 13.
 Shoe manufacture and making the same, Article of. R. T. Griffiths. 1,753,702; Apr. 8.
 Shoe or boot for laborers. S. Ishibashi. 1,757,575; May 6.
 Shoe, Orthopedic. W. M. Scholl. 1,767,229; June 24.
 Shoe pad. L. Ruth. 1,747,603; Feb. 18.
 Shoe parts, Method and apparatus for use in molding. L. H. Bennion. 1,742,300; Jan. 7.
 Shoe parts, Method of and apparatus for assembling. C. M. Richardson. 1,756,438; Apr. 29.
 Shoe press. G. C. Baird. 1,779,081; Oct. 21.
 Shoe-pressing machine. A. H. Davis. 1,785,938; Dec. 23.
 Shoe-pressing machine. J. W. Nabb. 1,749,885; Mar. 11.
 Shoe rack. W. F. Atwood. 1,745,883; Feb. 4.
 Shoe rack. J. H. Boye. 1,752,288; Apr. 1.
 Shoe rack. J. S. Hoffmire. 1,769,344; July 1.
 Shoe sample, Demonstrating. C. Miller. 1,767,090; June 24.
 Shoe-sewing machine. J. Sünder and E. Renno. 1,743,735; Jan. 14.
 Shoe-shank stiffener. R. B. Bartels. 1,763,744; June 17.
 Shoe-shank stiffener. W. H. Nickerson. 1,746,010; Feb. 4.
 Shoe-shank supporter. J. R. McGrail. 1,756,872; Apr. 29.
 Shoe-shining device. P. Popovich. 1,771,313; July 22.
 Shoe-shining machine. J. T. Uden. 1,774,576; Sept. 2.
 Shoe-shining machine. J. B. Woolfork. 1,762,005; June 3.
 Shoe sole. A. S. Bannister. Des. 80,875-6; Apr. 8.
 Shoe sole. W. E. Crowley. Des. 80,361; Jan. 21.
 Shoe sole. L. M. Oakley. Des. 82,516; Nov. 11.
 Shoe sole. E. T. Packard. Des. 81,807; Aug. 12.
 Shoe sole. C. C. Tucker. Des. 80,929; Apr. 8.
 Shoe sole and heel, Combined. C. Ferrettie and G. W. Blyair. Des. 81,438; June 24.
 Shoe sole or similar article. W. H. Burchfield. Des. 81,915-16; Sept. 2.
 Shoe-sole skiver. S. A. Lewis. 1,787,384; Dec. 30.
 Shoe sole, Ventilated. J. Langan and H. Greenberg. 1,742,772; Jan. 7.
 Shoe, Sound-producing dancing. J. H. Smith. 1,744,513; Jan. 21.
 Shoe, Sponge-rubber. H. C. Hebig. Des. 81,979; Sept. 9.
 Shoe stiffener. J. Fausse. 1,774,746; Sept. 2.
 Shoe-stiffener-assembling press. W. H. Baynard. 1,746,412; Feb. 11.
 Shoe stiffener blanks, Treating. A. R. Schoenky. 1,775,143; Sept. 9.
 Shoe, Stitch-down. E. J. Ramsey. 1,773,406; Aug. 19.
 Shoe-stitcher attachment. F. Paradiso. 1,783,198; Dec. 2.
 Shoe strap. F. A. Ballou. 1,756,505; Apr. 29.
 Shoe strap. F. A. Ballou. 1,778,413; Oct. 14.
 Shoe strap. F. A. Ballou and R. T. Stafford. 1,756,506; Apr. 29.
 Shoe stretcher. I. Fantino. 1,784,341; Dec. 9.
 Shoe stretcher. G. B. Fitz. 1,761,012; June 3.
 Shoe stretcher. J. Smart. 1,786,965; Dec. 30.
 Shoe stretcher or adjuster. C. R. Boyd. 1,783,600; Dec. 2.
 Shoe-stretching last. E. Galterio, D. C. Mariotti, and A. L. Ruggiero. 1,753,857; Apr. 8.
 Shoe, Toe-dancing. J. Selva. 1,754,054; Apr. 8.
 Shoe tree. S. A. Eddins and G. M. Hannigan. 1,776,831; Sept. 30.
 Shoe tree. O. J. Howe. 1,774,200; Aug. 26.
 Shoe-tree. S. D. Layman. 1,767,145; June 24.
 Shoe-tree. A. Schoshusen. 1,746,610; Feb. 11.
 Shoe-tree, Adjustable. A. Scimonelli. 1,753,908; Apr. 8.
 Shoe tree and stretcher, Combined. R. S. Boys. 1,778,289; Oct. 14.
 Shoe, Turned. F. Maccarone. 1,785,035; Dec. 16.
 Shoe-turning machine. E. Erickson. 1,768,834; July 1.
 Shoe uppers, Apparatus for operating upon parts of. J. Fossa. 1,754,464; Apr. 15.
 Shoe uppers, Preparation of. L. E. Topham. 1,774,620; Sept. 2.
 Shoe, Waterproof. A. Csont. 1,782,136; Nov. 18.
 Shoe welt. A. H. Backus. 1,778,577; Oct. 14.
 Shoe welt. C. H. Merrow. 1,753,056; Apr. 1.
 Shoe welts and outer soles, Attaching. W. S. King. 1,750,225; Mar. 11.
 Shoe with instep pads. D. McK. Hepburn. 1,753,415; Apr. 8.
 Shoe with interchangeable sole and heel. A. Slekacz. 1,773,242; Aug. 19.
 Shoe, Woman's. S. Troy. Des. 82,859-60; Dec. 16.
 Shoe, Woman's. S. Troy. Des. 82,962; Dec. 30.
 Shoes and making the same, Heel end of. T. Lund. 1,775,647; Sept. 16.

- Shoes, Apparatus for heating counter portions of. H. H. Beckwith. 1,760,104; May 27.
- Shoes, Apparatus for resoling. E. J. Pelletier. 1,777,676; Oct. 7.
- Shoes, Article of manufacture for. F. G. Delbon. 1,771,673; July 29.
- Shoes, Backstay for. C. N. Prouty. 1,770,218; July 8.
- Shoes, Device for cataloguing. W. Sihler. 1,778,646; Oct. 14.
- Shoes, Facilitating the fitting of. V. G. Gosnell. 1,752,254; Mar. 25.
- Shoes, Finishing. R. Werschky. 1,775,010; Sept. 2.
- Shoes, Lasting. B. Jorgensen. 1,754,272; Apr. 15.
- Shoes, Leveling. C. I. Lander. 1,784,455; Dec. 9.
- Shoes, Machine for applying foxing to. L. J. Bazzoni. 1,753,497; Apr. 8.
- Shoes, Making. F. E. Bertrand. 1,747,216; Feb. 18.
- Shoes, Making. J. Gouldbourn and F. Ricks. 1,776,430; Sept. 23.
- Shoes, Making. A. L. Jung. 1,764,105; June 17.
- Shoes, Making. J. A. Kelly. 1,782,759; Nov. 25.
- Shoes, Making. W. J. Kelly. 1,780,650; Nov. 4.
- Shoes, Making. E. I. La Chapelle. 1,753,792; Apr. 8.
- Shoes, Making. A. W. Matthews. 1,784,940; Dec. 16.
- Shoes, Making. G. W. Miller. 1,757,537; May 6.
- Shoes, Making. L. W. Morrison. 1,775,290; Sept. 9.
- Shoes, Making. C. Siegfried. 1,769,239; July 1.
- Shoes, Making. C. B. Spalsbury. 1,749,926; Mar. 11.
- Shoes, Making. H. E. Upham. 1,776,824; Sept. 30.
- Shoes, Making box toes for. J. J. Daly. 1,751,545; Mar. 25.
- Shoes, Manufacture of. G. Goddu. 1,742,501; Jan. 7.
- Shoes, Manufacturing. J. F. Crowley. 1,785,829; Dec. 23.
- Shoes, Outlining McKay. F. S. Mees. 1,755,550; Apr. 22.
- Shoes, Removable top lift for. F. Gentile and F. Maccarone. 1,762,170; June 10.
- Shoes, Repairing. R. E. Bartels. 1,763,743; June 17.
- Shoes, Repairing apparel. C. H. Geppert. 1,786,907; Dec. 30.
- Shoes, Rubber tread for. C. Roberts. 1,751,557; Mar. 25.
- Shoes, Shank piece for. J. W. Lake. 1,773,365; Aug. 19.
- Shoes, Tongue for. M. Hilgert. 1,781,950; Nov. 18.
- Shooting device. C. E. Holliday. 1,748,651; Feb. 25.
- Shopping bag. A. Potdevin. 1,765,539; June 24.
- Shopping bag, Convertible long and short. M. T. Broderick. 1,767,274; June 24.
- Shopping bag, Paper. W. H. Deubener. 1,751,473; Mar. 25.
- Shopping bag, Wheeled. L. A. Brown. 1,751,902; Mar. 25.
- Shore. A. H. Symons. 1,783,266; Dec. 2.
- Shore. H. M. Woolley, jr. 1,779,925; Oct. 28.
- Shore, Adjustable. H. J. Baker. 1,762,567; June 10.
- Shore, Adjustable. G. B. Bosco. 1,775,272; Sept. 9.
- Shore, Adjustable. H. P. Jessen. 1,781,063; Nov. 11.
- Shore, Adjustable. C. A. Kinninger. 1,776,439; Sept. 23.
- Shore, Adjustable. C. M. Markham. 1,782,903; Nov. 25.
- Shore, Adjustable. D. E. Metzger. 1,746,400; Feb. 11.
- Short circuiter. E. P. Larsh. 1,779,006; Oct. 21.
- Short-circuiting switch. R. O. Gilburg. 1,761,786; June 3.
- Shotgun wad. W. J. Larson. 1,742,817; Jan. 7.
- Shotguns, Fore end for. C. S. Powell. 1,768,372; June 24.
- Shot, Making plated. E. Pugsley. 1,785,493; Dec. 16.
- Shoulder and chest protecting device. W. P. Whitley. 1,764,667; June 17.
- Shoulder pad. O. S. Colbentson. 1,756,676; Apr. 29.
- Shoulder pad. F. Glabe. 1,761,206; June 3.
- Shoulder strap. J. R. Davis. 1,765,300; June 17.
- Shovel: See—
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| Air shovel. | Loading shovel. |
| Ash shovel. | Power shovel. |
| Clinker shovel. | Snow shovel. |
| Excavating shovel. | Toy electrically-operated shovel. |
| Hollow-back shovel. | |
- Shovel. M. Hokanson. 1,755,923; Apr. 22.
- Shovel. H. M. Pforsich. 1,776,596; Sept. 23.
- Shovel. F. D. Rugg. 1,766,691; June 24.
- Shovel. J. S. Surbaugh. 1,743,250; Jan. 14.
- Shovel. L. E. Webster. 1,761,378; June 3.
- Shovel and shovel handle. F. C. Brandenburg. 1,755,236; Apr. 22.
- Shovel attachment for tractors. L. M. Bearland. 1,777,907; Oct. 7.
- Shovel attachment for vehicles. Snow. L. Caskin. 1,749,465; Mar. 4.
- Shovel cultivator gang, Shifting-. C. A. Rice. 1,765,177; June 17.
- Shovel, Fire. S. Cleveland, jr. 1,762,912; June 10.
- Shovel for potato diggers. P. S. Thomsen. 1,786,464; Dec. 30.
- Shovel handle. H. L. Bassett. 1,770,284; July 8.
- Shovel handle. L. E. Webster. 1,757,693; May 6.
- Shovel handle. L. E. Webster. 1,786,376; Dec. 23.
- Shovel handle. G. Wharton. 1,779,760; Oct. 28.
- Shovel with differential thrust, Rope-thrusting. M. L. Fykse. 1,780,351; Nov. 4.
- Shoveling machine. A. J. Clausen. 1,747,698; Feb. 18.
- Shovels, Making. N. G. Robertson. 1,760,607; May 27.
- Show article. P. Kreslawsky. 1,784,937; Dec. 16.
- Show case. R. A. Bartholdi. Des. 80,355; Jan. 21.
- Show case. W. P. Bott. 1,764,822; June 17.
- Show case. H. G. Michaelson. 1,763,716; June 17.
- Show case. O. M. Wolff. 1,780,512; Nov. 4.
- Show case for store doors. A. J. Strauss. Rel. 7,702; June 17.
- Show case or similar article. R. A. Bartholdi. Des. 80,476; Feb. 11.
- Show case or the like. M. M. Friedemann. Des. 81,091; May 6.
- Show case, Refrigerated. K. A. Weber. 1,742,624; Jan. 7.
- Show case, Refrigerating. A. A. Hoppenrath. 1,764,723; June 17.
- Shower bath, Built-up. J. C. Cromwell. 1,749,275; Mar. 4.
- Shower bath, Compartment. H. A. Mullett and H. E. Heime. 1,747,838; Feb. 18.
- Shower bath for sprinkling the breasts, Apparatus for use as. A. Mantelet. 1,746,861; Feb. 11.
- Shower fixture, Adjustable. J. W. Kelly. 1,758,115; May 13.
- Shower head. J. Fraser. 1,786,988; Dec. 30.
- Shower head, Tubular. C. R. Crane, 2d. 1,752,633; Apr. 1.
- Shredder. A. H. Dixon, T. S. Robson, and F. A. Henschell. 1,768,463; June 24.
- Shredder, Mill. F. Farrell, jr. 1,759,896; May 27.
- Shredders, Making. A. H. Dixon, T. S. Robson, and F. A. Henschell. 1,768,462; June 24.
- Shredding machine. H. G. Schwarz. 1,762,592; June 10.
- Shrine. P. Machowicz. Des. 82,040; Sept. 16.
- Shunted spring. G. F. Harrington. 1,746,650; Feb. 11.
- Shunting apparatus for use on railways. F. Vohmann. 1,770,719; July 15.
- Shut-off and indicator control for oil-dispensing apparatus. A. J. Granberg. 1,759,396; May 20.
- Shutter. H. M. Vetterlein. 1,743,696; Jan. 14.
- Shutter automatic release, Fire-. A. Dina. 1,749,971; Mar. 11.
- Shutter, Automobile radiator. J. G. Giampaoli. 1,785,482; Dec. 16.
- Shutter, Awning. H. A. and H. E. Brandt. 1,771,669; July 29.
- Shutter, Awning. F. A. Jones. 1,748,293; Feb. 25.
- Shutter-controlling mechanism, Swell-. J. T. Austin. 1,764,492; June 17.
- Shutter cover, Photographic-. W. D. Teague. Des. 82,631-2; Nov. 25.
- Shutter for mixing and analogous apparatus, Discharge. A. B. and C. R. Smith. 1,744,928; Jan. 28.
- Shutter for motion-picture projectors and cameras. A. M. O'Hagen. 1,749,154; Mar. 4.
- Shutter for projection machines (bent edges) for motion-picture-projection machines. A. Dina. 1,765,006; June 17.
- Shutter for radiators. T. P. Martin. 1,773,052; Aug. 12.
- Shutter for spotlights, Rectangular. T. Hall. 1,767,756; June 24.
- Shutter, Louver. S. E. Holt. 1,771,679; July 29.
- Shutter, Objective. B. Nerrlich. 1,785,142; Dec. 16.
- Shutter-operating device for automobile radiators. L. G. Hartdorn. 1,775,344; Sept. 9.
- Shutter, Radiator. S. Vernet. 1,763,837-8; June 17.
- Shutter, Swell. B. G. Austin. 1,770,260; July 8.
- Shutter, Thermostatically-operated. J. A. Kinnard. 1,772,722; Aug. 12.
- Shutter, Vignetting. A. Wollensak. 1,750,830; Mar. 18.
- Shutter, Weir. F. Jermar. 1,754,108; Apr. 8.
- Shuttle. E. E. Fuller. 1,776,896; Sept. 30.
- Shuttle. M. H. Rubin. 1,770,947; July 22.
- Shuttle. J. W. Steward. 1,761,416; June 3.
- Shuttle, Automatically-threading loom. C. D. Brown. 1,785,218-22; Dec. 16.
- Shuttle, Automatically-threading loom. H. A. Davis. 1,785,225; Dec. 16.
- Shuttle, Automatically-threading loom. C. H. Draper. 1,757,941; May 6.
- Shuttle, Automatically-threading loom. C. H. Draper. 1,785,223; Dec. 16.
- Shuttle, Automatically-threading loom. V. Lindsjo. 1,785,224; Dec. 16.
- Shuttle, Automatically-threading loom. H. White and G. M. F. Depfer. 1,785,226; Dec. 16.
- Shuttle check. W. E. Lundgren. 1,766,757; June 24.
- Shuttle eye. H. F. Adams. 1,772,446; Aug. 12.
- Shuttle eye. D. O'Hara. 1,772,012; Aug. 5.
- Shuttle for looms. F. Souczek. 1,758,811; May 13.
- Shuttle for shoe-sewing machine. J. H. Reed. 1,747,557; Feb. 18.
- Shuttle for weft-replenishing looms. F. E. Ashton. 1,756,622; Apr. 29.
- Shuttle hook. G. A. Runkel. 1,747,183; Feb. 18.
- Shuttle-operating mechanism. W. S. Wells. 1,759,533; May 20.
- Shuttle, Self-threading. W. H. Wakefield. 1,756,612; Apr. 29.
- Shuttle tension. F. E. Adams. 1,763,547; June 10.
- Shuttle tension. L. C. Baldwin. 1,772,449; Aug. 12.
- Shuttle tension and take-up mechanism. A. S. Hutchins. 1,766,904; June 24.
- Shuttles, Adjustable gripper for. W. H. Bahan. 1,784,266; Dec. 9.
- Sickle bar. H. P. Petznick. 1,778,468; Oct. 14.
- Side frame. D. S. Barrows. 1,748,749; Feb. 25.
- Side frame. D. S. Barrows. 1,772,623; Aug. 12.
- Side frame. D. S. Barrows. 1,774,481; Aug. 26.
- Side frame. D. S. Barrows. 1,778,179-80; Oct. 14.
- Side frame. H. E. Doerr. 1,764,940; June 17.
- Side frame. H. C. Dreibus. 1,765,007; June 17.
- Side frame. G. G. Floyd. 1,745,847; Feb. 4.

- Side frame. C. Hankins. 1,745,672; Feb. 4.
 Side frame. H. W. Stertzbach and J. S. McPherson. 1,760,181; May 27.
 Side frame and journal box. D. S. Barrows. 1,779,526; Oct. 28.
 Side frame, Cast-steel. M. H. Martin. 1,748,238; Feb. 25.
 Side-pinning machine. E. F. Nickl and R. E. Cleveland. 1,757,542; May 6.
 Siding clamp. F. B. Cummer. 1,781,833; Nov. 18.
 Sieve, Food. H. L. Wirt. 1,752,047; Mar. 25.
 Sieve-operating mechanism. J. Love, jr. 1,759,653; May 20.
 Sieves and sieves produced by such process, Production of filter. A. Pahl. 1,786,361; Dec. 23.
 Sieves, Apparatus for regulating lateral movement of longitudinal. W. Brecht and E. Schaun. 1,755,202; Apr. 22.
 Sifter. S. Anderson. 1,779,579; Oct. 28.
 Sifter. W. K. Sturrock. 1,750,976; Mar. 18.
 Sifter, Ash. G. C. Burrows. Des. 82,017; Sept. 16.
 Sifter, Ash. G. G. Donnelly. 1,751,541; Mar. 25.
 Sifter can. J. M. Hothersall. 1,770,405; July 15.
 Sifter, Flour. T. G. Melish. 1,753,995; Apr. 8.
 Sifting from the ram casing of a stoker, Preventing. M. Alpern. 1,773,023; Aug. 12.
 Sifting machine. C. A. Gesnel. 1,774,644; Sept. 2.
 Sight, Rear. J. L. Hatcher. 1,756,685; Apr. 29.
 Sighting attachment for electric semaphore lamps. S. M. Day. 1,765,865; June 24.
 Sign. M. V. Brown. 1,787,355; Dec. 30.
 Sign. W. A. Burns. 1,769,824; July 1.
 Sign. P. P. Chapin and W. J. Kupec. 1,761,871; June 3.
 Sign. H. R. Cole. Des. 81,177; May 20.
 Sign. J. J. Darby. 1,751,455; Mar. 18.
 Sign. W. A. De Berry. 1,776,183; Sept. 16.
 Sign. P. A. Farrell. 1,786,155; Dec. 23.
 Sign. S. Fischer and J. J. Breslin. 1,754,153; Apr. 8.
 Sign. H. C. Gammeter. 1,757,662; May 6.
 Sign. V. L. Hofmann. 1,746,943; Feb. 11.
 Sign. E. A. Jackson. 1,773,622; Aug. 19.
 Sign. J. Krizek. 1,765,536; June 24.
 Sign. W. L. Lowry. 1,775,043; Sept. 2.
 Sign. C. A. Marsland. 1,768,623; July 1.
 Sign. B. E. Maxon. 1,747,377; Feb. 18.
 Sign. W. F. Morton. 1,784,704; Dec. 9.
 Sign. C. C. Mueller, jr., and D. C. Wendel. 1,750,118; Mar. 11.
 Sign. W. H. Ramsey. 1,768,331; June 24.
 Sign. A. S. Rogers. 1,746,405; Feb. 11.
 Sign. E. B. Roll. 1,785,145; Dec. 16.
 Sign. J. P. Salmon. 1,767,483; June 24.
 Sign. M. C. Schwab. 1,746,611; Feb. 11.
 Sign. J. A. Sears. 1,766,362; June 24.
 Sign. M. Sheras. 1,776,955; Sept. 30.
 Sign. R. S. Stockdale. Des. 80,501; Feb. 11.
 Sign. F. Woerz. 1,767,726; June 24.
 Sign adjuster or seat-indicating device. F. A. Travis. 1,765,250; June 17.
 Sign, Advertisement. T. Lamb and W. R. Sharp. 1,782,854; Nov. 25.
 Sign, Advertising. W. H. Broughton. 1,743,110; Jan. 14.
 Sign, Advertising. W. A. Burns. 1,744,360; Jan. 21.
 Sign, Advertising. W. Intemann. 1,781,283; Nov. 11.
 Sign, Advertising. J. A. Wesley. Des. 80,713; Mar. 11.
 Sign, Advertising and other. H. O. Bower. 1,770,568; July 15.
 Sign advertising apparatus. F. S. Summer. 1,777,110; Sept. 30.
 Sign, Aerial. M. A. Neal. 1,774,659; Sept. 2.
 Sign and awning, Combination. H. R. Davis. 1,785,809; Dec. 23.
 Sign and controlling circuits therefor, Electric. W. F. Hendry. 1,769,060; July 1.
 Sign and its operation, Electric. G. W. Tarkington. 1,752,760; Apr. 1.
 Sign and light, Street. W. P. Owens. 1,758,714; May 13.
 Sign and signal, Light-reflector. R. W. Luce. 1,764,687; June 17.
 Sign and the like, Advertising. E. W. Knechtel. 1,781,727; Nov. 18.
 Sign and traffic signal, Street. E. J. Stone. 1,751,564; Mar. 25.
 Sign, Animated. E. von der Lippe-Lipski. 1,784,365; Dec. 9.
 Sign, Barber's. H. P. Parchmann. Des. 80,452; Feb. 4.
 Signboard. W. G. Purdy and J. P. Speck. 1,742,667; Jan. 7.
 Signboard, Sectional. R. W. Olmsted. 1,755,360; Apr. 22.
 Signboard structure, Advertising. W. G. Browne and R. W. Olmsted. 1,754,932; Apr. 15.
 Signboard structure, Advertising. W. G. Browne and R. W. Olmsted. 1,766,978; June 24.
 Signboard, Traveling. B. Hoetger. 1,764,683; June 17.
 Signboards, Panel construction for. J. P. Speck. 1,781,558; Nov. 11.
 Sign bracket, Highway-. L. W. Zahonyi. 1,786,883; Dec. 30.
 Sign, Changeable. R. N. Chubb. 1,755,315; Apr. 22.
 Sign, Changeable. C. A. Giroux. 1,752,251; Mar. 25.
 Sign, Changeable. F. L. Holt. 1,750,714; Mar. 18.
 Sign, Changeable. O. J. Nelson and F. G. Baender. 1,785,204; Dec. 16.
 Sign, Changeable display. G. Margolin. 1,760,157; May 27.
 Sign, Composition. L. A. Graham and C. L. Low. 1,761,120; June 3.
 Sign construction. H. C. Dammeter. 1,781,277; Nov. 11.
 Sign construction. J. E. Stewart and P. Horinstein. 1,747,400; Feb. 18.
 Sign controller, Electric-. W. Stafford. 1,775,949; Sept. 16.
 Sign, Corner. M. C. Haerman. Des. 80,834; Apr. 1.
 Sign, Day and night. H. F. Voshardt. 1,778,778; Oct. 21.
 Sign, Daylight. E. McCollum. 1,754,565; Apr. 15.
 Sign device. A. R. Bloom. 1,749,062; Mar. 4.
 Sign device. T. H. Harris. 1,754,944; Apr. 15.
 Sign, Display. H. B. Barker. 1,763,742; June 17.
 Sign, Display. D. Kennedy. 1,743,017; Jan. 7.
 Sign, Display. H. Nathansohn. 1,764,639; June 17.
 Sign, Display. N. B. M. O'Brien. 1,754,863; Apr. 15.
 Sign, Display. W. O. Prouty. Re17,672; May 20.
 Sign, Display. M. Send. 1,779,190; Oct. 21.
 Sign, Display. W. P. Wise. 1,754,871; Apr. 15.
 Sign-displaying apparatus. C. Farrow. 1,776,253; Sept. 23.
 Sign, Electric. J. F. Coufal and H. A. Smith. 1,782,564; Nov. 25.
 Sign, Electric. F. G. Diffin. 1,768,672; July 1.
 Sign, Electric. J. R. Fergusson. 1,768,042; June 24.
 Sign, Electric. H. P. Hester and D. H. Gardner. 1,765,073; June 17.
 Sign, Electric. L. Langner. 1,768,699; July 1.
 Sign, Electric. M. N. Russell and J. W. Brooks. 1,762,422; June 24.
 Sign, Electric. F. E. J. Wilde. 1,784,861; Dec. 16.
 Sign, Electric. R. R. Wiley. 1,764,485; June 17.
 Sign. Electrical aerial advertising. R. Rohlf. 1,781,081; Nov. 11.
 Sign, Electrically-operated. E. M. Rosenfield. 1,760,664; May 27.
 Sign, Exhibiting. J. W. Ashworth. 1,767,571; June 24.
 Sign, Field. W. F. Williamson. 1,778,616; Oct. 14.
 Sign flasher. C. Hotchiss. 1,783,474; Dec. 2.
 Sign flasher. A. V. Menicocci. 1,758,456; May 13.
 Sign holder for automobile bodies. A. H. Ellis. 1,752,591; Apr. 1.
 Sign, Illuminated. G. H. Barnes. 1,781,677; Nov. 18.
 Sign, Illuminated. A. Daseh. 1,779,764; Oct. 28.
 Sign, Illuminated. B. Emis. 1,783,963; Dec. 9.
 Sign, Illuminated. J. J. Fox. 1,759,782; May 20.
 Sign, Illuminated. J. D. Pearmain. 1,782,175; Nov. 18.
 Sign, Illuminated number. W. F. Kiefer. 1,781,585; Nov. 11.
 Sign, Illuminated street. H. C. Gebauer. 1,766,119; June 24.
 Sign, Illuminating. R. M. Craig. 1,770,391; July 15.
 Sign, Interchangeable. A. Porstner and P. Rossman. 1,770,803; July 15.
 Sign, Interchangeable-letter. P. S. Van Bloem. 1,766,470; June 24.
 Sign, Luminous. R. W. Fisher. 1,785,341; Dec. 16.
 Sign, Movable. F. E. Mayo. 1,743,928; Jan. 14.
 Sign, Movable. H. H. Voss. 1,755,753; Apr. 22.
 Sign, Moving display. G. J. Mead. 1,757,379; May 6.
 Sign, Moving display. L. R. Ports. 1,756,523; Apr. 29.
 Sign, Multiple revolving. E. Dolar. 1,746,581; Feb. 11.
 Sign-operating device. F. G. Maloney, H. R. Vogel, and H. B. Wheeler. 1,747,479; Feb. 28.
 Signpost, Street-corner. S. G. Jones. Des. 80,486; Feb. 11.
 Sign reflector. E. Simpson. 1,782,181; Nov. 18.
 Sign-removal process, Poster-. W. R. Bell. 1,751,469; Mar. 25.
 Sign, Reversible car. E. W. Havelock and J. W. Cochrane. 1,750,173; Mar. 11.
 Sign, Road. W. A. Cannon and H. J. Hall. 1,743,317; Jan. 14.
 Sign, Road. W. A. Rida and H. A. Perrigo. 1,750,330; Mar. 11.
 Sign, Road. O. A. Rystrom. 1,751,176; Mar. 18.
 Sign, Safety stop. H. D. Griggs and J. B. Subira. 1,785,952; Dec. 23.
 Sign, Sectional illuminated. B. A. Morton. 1,784,677; Dec. 9.
 Sign, Sheet-metal. A. A. Kramer. 1,750,894; Mar. 18.
 Sign, Stop. W. A. Hines. 1,773,487; Aug. 19.
 Sign, Street. W. G. Keith. 1,775,725; Sept. 16.
 Sign, Street. M. R. Leahy and M. J. Phelan. 1,781,020; Nov. 11.
 Sign, Street. H. H. Reynolds. 1,777,734; Oct. 7.
 Sign, Street-post-lamp. J. Quaglia. Des. 82,280; Oct. 14.
 Sign-supporting frame. C. Schneider. 1,756,389; Apr. 29.
 Sign, tablet, or the like for day and night display. G. Lindsey. 1,756,203; Apr. 29.
 Sign using reflected light, Advertising. J. Hutton and J. Bacon. 1,756,090; Apr. 29.
 Sign, Window display. C. F. Backmyer. 1,772,697; Aug. 12.
 Signs and neon signs, Making neon electric. W. W. Purdom. 1,743,569; Jan. 14.
 Signs and the like, Reflecting unit for. A. H. Brackenssey. 1,744,721; Jan. 28.
 Signs, Device for raising and supporting advertising. R. Heinz. 1,742,858; Jan. 7.
 Signs for advertising purposes, Producing and displaying changeable. A. E. Tilburn. 1,785,429; Dec. 16.

Signal: See—

Aircraft signal.
 Alarm signal.
 Automatic alarm signal.
 Automobile or highway signal.
 Automobile signal.
 Color-light signal.
 Crossing signal.
 Direction signal.
 Directional signal.
 Door-operated signal.
 Electric signal.
 Fire-alarm signal.
 Fire signal.
 Flasher signal.
 Folding signal.
 Highway-crossing signal.
 Highway signal.
 Level crossing signal.
 Light signal.
 Motion and direction signal.
 Parking signal.
 Pipe-line signal.
 Reflector signal.
 Safety signal.
 Steam-pressure signal.
 Stop signal.
 Street stop signal.
 Telephone-receiver signal.
 Tire-deflation signal.
 Tire signal.
 Traffic signal.
 Train-classification signal.
 Train signal.
 Turn signal.
 Turning signal.
 Vehicle signal.
 Vehicle turning signal.
 Vehicular signal.
 Warning signal.
 Wigwag stop signal.
 Signal. G. E. Atkinson. 1,759,291; May 20.
 Signal. C. A. Campbell. 1,776,966; Sept. 30.
 Signal. F. G. and W. M. Folberth. 1,755,249; Apr. 22.
 Signal. F. Gillette and C. R. Pieper. 1,770,233; July 8.
 Signal. J. B. Hamilton. 1,783,504; Dec. 2.
 Signal. G. Jacobs. Re17,835; Oct. 21.
 Signal. J. B. Maples. 1,756,126; Apr. 29.
 Signal. F. P. Radcliffe. 1,783,855; Dec. 2.
 Signal. P. J. Rooney. 1,749,263; Mar. 4.
 Signal. E. C. Rumsey. 1,772,499; Aug. 12.
 Signal. F. Trautman. 1,759,247; May 20.
 Signal. K. Wartmann. 1,758,546; May 13.
 Signal. E. E. Wickersham. 1,770,094; July 8.
 Signal. L. Z. Zawyruchia. 1,747,278; Feb. 18.
 Signal and communication mechanism for sunken submarines. H. C. Stanger. 1,753,139; Apr. 1.
 Signal and recording device. C. A. Turner. 1,773,246; Aug. 19.
 Signal and switch therefor, Electric. A. Horochowsky. 1,753,568; Apr. 8.
 Signal arrangement for automobiles. J. T. Bolin. 1,770,835; July 15.
 Signal box. T. O'Donnell. 1,751,168; Mar. 18.
 Signal bracket, Automobile. G. N. Michaud. Des. 81,659; July 22.
 Signal casing or similar article, Warning. J. M. Aufiero. Des. 82,213; Oct. 7.
 Signal clarifier for radio receiving apparatus. W. I. Spangler. 1,763,270; June 10.
 Signal control-switch, Vehicle. E. A. Weinbrunn. 1,747,093; Feb. 11.
 Signal-control system. G. W. Cattell. 1,779,585; Oct. 28.
 Signal-controlling means. C. T. Magill. 1,777,213; Sept. 30.
 Signal device. D. P. Corcoran. 1,753,364; Apr. 8.
 Signal device. H. H. Flegel. 1,770,203; July 8.
 Signal device. B. Hosking. 1,753,117; Apr. 1.
 Signal device. W. G. Keith. 1,750,319; Mar. 11.
 Signal device. J. W. Klein. 1,781,927; Nov. 18.
 Signal device. J. L. Lamont. 1,783,124; Nov. 25.
 Signal device. F. De Lashmé. 1,766,613; June 24.
 Signal device, Danger-. E. A. Miller and C. A. James. 1,754,899; Apr. 15.
 Signal device, Direction-. J. W. Martin and E. W. and J. A. Manning. 1,770,415; July 15.
 Signal device, Electrodynamic. C. R. Hanna. 1,783,569; Dec. 2.
 Signal device for automobiles. H. Kageyama. 1,783,718; Dec. 2.
 Signal device, Fuel. R. D. Schnoor. 1,785,329; Dec. 16.
 Signal device, Optical. S. A. Eskilson. 1,759,609; May 20.
 Signal device, Optical. G. Goodwin. 1,764,622; June 17.
 Signal device, Traffic. J. R. Townsend. 1,764,426; June 17.
 Signal for automobiles. S. Mack. 1,781,184; Nov. 11.
 Signal for automobiles, Direction. J. F. Lynch. 1,781,853; Nov. 18.
 Signal for electric switches, Semaphore. E. Wexberg. 1,746,724; Feb. 11.
 Signal for lubricating systems. R. Wedeberg. 1,762,566; June 10.
 Signal for motion-picture machines, Change-over. H. K. Jones and E. A. Chase. 1,750,520; Mar. 11.
 Signal for motion-picture reels, Automatic fade. J. H. Stanfield. 1,774,298; Aug. 26.
 Signal for motor vehicles, Direction. F. J. Katte and B. L. Minturn. Des. 81,093; May 6.
 Signal for motor vehicles, Direction. L. Scherz. 1,765,100; June 17.
 Signal for traffic officers, Direction. J. T. and E. T. Powell. 1,777,379; Oct. 7.
 Signal for vehicles, Direction. E. A. Anderson. 1,771,566; July 29.
 Signal foundation. O. S. Flath. 1,765,664; June 24.
 Signal holding and positioning device, Railway-. G. R. Morris. 1,748,557; Feb. 25.
 Signal housing, Vehicle. F. R. Weiss. Des. 80,345; Jan. 14.
 Signal light, Automobile. F. Lechner. 1,746,120; Feb. 4.
 Signal light, Direction. R. E. McGee. Des. 82,950; Dec. 30.
 Signal light for street cars, Safety. A. G. Hale. 1,786,534; Dec. 30.

Signal light, Hand. B. Caroselli and H. G. Essman. 1,764,549; June 17.
 Signal lock, Railroad-. X. Latty. 1,763,530; June 10.
 Signal mechanism for automobiles. W. F. Hild. 1,763,465; June 10.
 Signal mechanism, Railway. J. Borostyan. 1,768,539; July 1.
 Signal-operating switch, Direction-. F. A. Calkins. 1,747,697; Feb. 18.
 Signal-receiving apparatus, Frequency-responsive. W. Brückel and R. Schimpf. 1,780,669; Nov. 4.
 Signal reception. D. A. Griffin. 1,765,421; June 24.
 Signal recorder. H. O. Sampson. 1,768,154; June 24.
 Signal-relay system. W. G. Fluharty. 1,776,219; Sept. 16.
 Signal reminding mechanism. C. Hamlin. 1,757,631; May 6.
 Signal service, Automatic. J. M. Gregory. 1,757,571; May 6.
 Signal switch. R. M. Whitaker. 1,775,300; Sept. 9.
 Signal-switch apparatus. J. L. Brode. 1,744,067; Jan. 21.
 Signal switch, Auto. J. H. Kronberg. 1,771,338; July 22.
 Signal switch, Automobile. G. Glynn. 1,743,448; Jan. 14.
 Signal switch, Automobile. C. T. Jamison. 1,764,958; June 17.
 Signal switch, Automobile. R. O. Ruble. 1,760,212; May 27.
 Signal switch, Automobile direction-. C. H. Twetten and A. M. Hudson. 1,766,315; June 24.
 Signal switch, Automobile theft-. F. H. Hendricks. 1,754,360; Apr. 15.
 Signal switch, Electric. J. O. Cadieux. 1,755,167; Apr. 22.
 Signal switch, Mail-box. E. W. Pfaffenberger. 1,744,333; Jan. 21.
 Signal switch, Motor-car-. E. T. Gibson. 1,772,946; Aug. 12.
 Signal switch, Vehicle. R. C. Gallinant. 1,760,488; May 27.
 Signal switch, Vehicle. L. Grubb. 1,745,614; Feb. 4.
 Signal switch, Vehicular traffic-. W. W. Bugh. 1,748,439; Feb. 25.
 Signal switching means, Vehicle traffic-. H. L. Joyce. 1,779,773; Oct. 28.
 Signal system. F. B. Rae. 1,749,444; Mar. 4.
 Signal system, Electric. C. C. Farmer and T. H. Thomas. 1,754,228; Apr. 15.
 Signal system, Electric. C. C. Farmer and T. H. Thomas. 1,778,108; Oct. 14.
 Signal system, Electric. T. H. Thomas. 1,724,425; Jan. 7.
 Signal system, Electric. T. H. Thomas. 1,746,062; Feb. 4.
 Signal system, Electric. T. H. Thomas. 1,771,425; July 29.
 Signal system, Electric. T. H. Thomas. 1,776,299; Sept. 23.
 Signal system, Electric. T. H. Thomas. 1,778,130; Oct. 14.
 Signal system, Testing. C. A. Campbell. 1,766,280; June 24.
 Signal-transmission system. O. O. Ceccarluni. 1,765,523; June 24.
 Signal-transmitting system. F. A. Kolster. 1,766,040; June 24.
 Signal valve device. J. C. McCune. 1,758,711; May 13.
 Signaling. L. A. Briggs. 1,781,361; Nov. 11.
 Signaling. G. E. Lee. 1,754,365; Apr. 15.
 Signaling and controlling trains according to the position of track switches, Automatically. H. Karl. 1,781,284; Nov. 11.
 Signaling apparatus. A. J. Kloneck. 1,778,897; Oct. 21.
 Signaling apparatus. J. J. Vanhorn. 1,770,822; July 15.
 Signaling apparatus at crossings. T. Ternon and E. Gallien. 1,775,875; Sept. 16.
 Signaling apparatus, Automobile. A. L. Weis. 1,772,375-6; Aug. 5.
 Signaling apparatus, High-water. J. J. McCandless. 1,754,393; Apr. 15.
 Signaling apparatus, Railway. C. R. Beall. 1,754,592; Apr. 15.
 Signaling apparatus, Railway. L. E. Spray. 1,748,803; Feb. 25.
 Signaling apparatus, Railway. L. E. Spray. 1,778,172; Oct. 14.
 Signaling apparatus, Selective. H. D. Colman. 1,760,478; May 27.
 Signaling apparatus, Submarine. W. L. Walker. 1,771,597; July 29.
 Signaling attachment for meters. E. M. Krueger. 1,765,337; June 17.
 Signaling conductor and method of signaling, Loaded. J. J. Gilbert. 1,763,041; June 10.
 Signaling conductor, Loaded. J. J. Gilbert. 1,763,042; June 10.
 Signaling currents on electrical power-distributing lines, Device for impressing. M. Chirol. 1,757,900; May 6.
 Signaling device. R. B. Burggraf. 1,768,884; July 1.
 Signaling device. A. F. Hartman. Des. 80,623; Mar. 4.
 Signaling device. S. Karasuda. 1,745,220; Jan. 28.
 Signaling device. E. Koski. 1,743,040; Jan. 7.
 Signaling device. R. K. Lee. 1,749,434; Mar. 4.
 Signaling device. J. A. Stephens. 1,755,137; Apr. 15.
 Signaling device, Accoustic. R. O. Hood. Re17,560; Jan. 7.
 Signaling device, Automobile. H. A. Coulter. 1,745,659; Feb. 4.

- Signaling device, Electrical. A. W. Uhl. 1,765,466; June 24.
- Signaling device for aircraft landing fields, Wind-direction. P. N. C. James. 1,775,104; Sept. 9.
- Signaling device for automobiles. R. P. Coleman. 1,770,299; July 8.
- Signaling device for autos. J. Reini. 1,773,859; Aug. 26.
- Signaling device for kinetographs or the like. F. L. Maytag, jr. 1,760,911; June 3.
- Signaling device for level crossings, Automatic train-. N. Gherassimoff. 1,775,675; Sept. 16.
- Signaling device for motor vehicles. J. Deblieux. 1,768,034; June 24.
- Signaling device for vehicles. G. W. Chater and C. W. Stones. 1,772,242; Aug. 5.
- Signaling device for vehicles. T. Naylor. 1,778,908; Oct. 21.
- Signaling device, Track-. W. F. Cleaver. 1,768,524; June 24.
- Signaling, Electric. L. Cohen. 1,785,297; Dec. 16.
- Signaling, Electrical. L. Cohen. 1,743,025; Jan. 7.
- Signaling, Electrical. A. C. Dickieson. 1,747,863; Feb. 18.
- Signaling, High-frequency. B. W. Kendall. 1,773,901; Aug. 26.
- Signaling mechanism. W. E. Birket. 1,760,807; May 27.
- Signaling mechanism for automobiles. H. E. Woodring. 1,748,929; Feb. 25.
- Signaling, Method of and apparatus for multiplex. E. F. W. Alexanderson. 1,771,700; July 29.
- Signaling or control system, Electric. R. Willoughby. 1,762,906; June 10.
- Signaling or controlling system, Electrical. E. R. Evans. 1,778,827; Oct. 21.
- Signaling, Power-line. W. V. Wolfe. 1,746,808; Feb. 11.
- Signaling, Railway. F. C. Lavarack and D. W. Richards. 1,752,493; Apr. 1.
- Signaling, Railway. T. J. O'Meara. 1,779,982; Oct. 28.
- Signaling receptacle. J. K. Litsinger. 1,745,899; Feb. 4.
- Signaling recorder. O. G. Steinitz. 1,749,927; Mar. 11.
- Signaling, Submarine. R. D. Fay and H. G. Dorsey. 1,784,137; Dec. 9.
- Signaling, Submarine. H. C. Harrison. 1,765,425; June 24.
- Signaling system. A. E. Bailey, jr. 1,770,829; July 15.
- Signaling system. W. I. Becauri. 1,769,365; July 1.
- Signaling system. A. F. Bennett and C. E. Mitchell. 1,762,139; June 10.
- Signaling system. H. S. Black. 1,762,953; June 10.
- Signaling system. W. E. Brindley. 1,768,661; July 1.
- Signaling system. E. T. Burton. 1,763,880; June 17.
- Signaling system. E. F. Carter. 1,748,754; Feb. 25.
- Signaling system. A. H. Cross. 1,770,510; July 15.
- Signaling system. D. M. Dalton. 1,763,581; June 10.
- Signaling system. J. Davidson, jr. and D. L. Moody. 1,754,224; Apr. 15.
- Signaling system. C. L. Davis. 1,756,086; Apr. 29.
- Signaling system. O. Edelmann. 1,763,138; June 10.
- Signaling system. W. L. Edison. 1,750,954; Mar. 18.
- Signaling system. J. F. Farrington. 1,784,867; Dec. 16.
- Signaling system. R. F. Gould. 1,775,489; Sept. 9.
- Signaling system. G. W. Hale. 1,777,433; Oct. 7.
- Signaling system. R. P. Higbee. 1,763,151; June 10.
- Signaling system. L. M. Lewis and A. Sezekoff. 1,757,674; May 6.
- Signaling system. C. E. Lomax. 1,772,671; Aug. 12.
- Signaling system. H. Lund, H. Luab, and F. Hirt. 1,760,508; May 27.
- Signaling system. R. C. Mathes. 1,759,623; May 20.
- Signaling system. C. G. Miller. 1,744,053; Jan. 21.
- Signaling system. C. W. Nessell. 1,781,519-20; Nov. 11.
- Signaling system. H. Nyquist. 1,748,186; Feb. 25.
- Signaling system. H. Nyquist and K. W. Pfeiffer. 1,749,045; Mar. 4.
- Signaling system. R. S. Ohl. 1,753,444-6; Apr. 8.
- Signaling system. R. K. Potter. 1,750,688; Mar. 18.
- Signaling system. J. C. Schelleng. 1,768,269; June 24.
- Signaling system. M. H. Shoenberg and L. Schon. 1,785,366; Dec. 16.
- Signaling system. E. R. Taylor. 1,772,167; Aug. 5.
- Signaling system. W. A. Tolson. 1,784,645; Dec. 9.
- Signaling system. J. Weinberger. 1,772,374; Aug. 5.
- Signaling system. T. U. White and J. E. Gardner. 1,765,475; June 24.
- Signaling system. V. K. Zworykin. 1,753,961; Apr. 8.
- Signaling system, Automobile. M. H. Shoenberg and L. Schon. 1,785,397; Dec. 16.
- Signaling system, Course-. E. W. Swartwout. 1,749,169; Mar. 4.
- Signaling system, Electric. H. S. Black. 1,753,329; Apr. 8.
- Signaling system, Electric. H. Chireix. 1,745,981; Feb. 4.
- Signaling system, Electrical. J. Bethenod. 1,763,947; June 17.
- Signaling system for automobiles. M. G. Torson. 1,756,108; Apr. 29.
- Signaling system for railway crossings. E. V. Steiner. 1,770,716; July 15.
- Signaling system, High-frequency. E. W. Braendle. 1,768,883; July 1.
- Signaling system, High-frequency. I. F. Byrnes. 1,771,376; July 22.
- Signaling system, High-frequency. F. W. Frink. 1,783,037; Nov. 25.
- Signaling system, High-frequency. W. Runge. 1,778,730; Oct. 21.
- Signaling system, Hospital. B. L. Bobroff. 1,751,972; Mar. 25.
- Signaling, System of and apparatus for. J. E. Amyot. 1,746,921; Feb. 11.
- Signaling system of the track-circuit type, Railway. L. H. Peter. 1,777,651; Oct. 7.
- Signaling system, Privacy. S. W. Dean and C. N. Anderson. 1,784,891; Dec. 16.
- Signaling system, Radiant. E. L. Chaffee. 1,748,277; Feb. 25.
- Signaling system, Radio. A. Bailey. 1,780,963; Nov. 11.
- Signaling system, Radio. A. Bailey and S. W. Dean. 1,780,962; Nov. 11.
- Signaling system, Railway. G. W. Baughman. 1,778,929; Oct. 21.
- Signaling system, Railway. P. E. Carter. 1,748,910; Feb. 25.
- Signaling system, Railway. P. B. Hyde. 1,779,672; Oct. 28.
- Signaling system, Railway. H. P. Ober. 1,748,788; Feb. 25.
- Signaling system, Railway. D. C. Prince. 1,770,805; July 15.
- Signaling system, Selective. C. Remington. 1,771,234; July 22.
- Signaling system, Selective. G. K. Thompson. 1,742,291; Jan. 7.
- Signaling system, Two-way-. R. C. Mathes. 1,747,835; Feb. 18.
- Signaling system, Unicontrol. L. A. Hazeltine. 1,755,114; Apr. 15.
- Signaling systems, Frequency-adjusting means for high-frequency. C. L. Davis. 1,763,224; June 10.
- Signaling systems, Reducing cross talk in carrier-current. H. S. Black. 1,762,755; June 10.
- Signals, Apparatus for the control of highway crossing. R. M. Gilson. 1,784,868; Dec. 16.
- Signals, Automatic control device for the operation of visual and audible. E. E. Scott. 1,779,986; Oct. 28.
- Signals, Controlling mechanism for. C. F. Capell. 1,745,244; Jan. 28.
- Signals, Method and apparatus for combining a plurality of. A. B. Moulton. 1,758,617; May 13.
- Signals on railway vehicles, Device for indicating. K. Beyermann. 1,768,106; June 24.
- Signals, Receiving telegraphic. A. Jipp. 1,782,534; Nov. 25.
- Signals, System of. R. P. Palenzuela. 1,773,316; Aug. 19.
- Signature conveyor, Portable. J. C. Lacy. 1,787,383; Dec. 30.
- Signature-stitching machines, Delivery mechanism for. E. W. Belluche. 1,750,622; Mar. 18.
- Silencer. R. B. Bourne. 1,756,626; Apr. 29.
- Silencer. H. P. Maxim and R. B. Bourne. 1,756,297; Apr. 29.
- Silencer, Brake-rod. F. G. Withrow. 1,776,406; Sept. 23.
- Silencers or exhaust tanks for machine guns and other automatic arms, Manufacture of. Z. Wilman. 1,773,443; Aug. 19.
- Silica crucible. W. H. Jones. 1,769,841; July 1.
- Silica, Hot stamping articles of fused. P. La Burthe and G. Delpech. 1,777,206; Sept. 30.
- Silica, Manufacture of active. F. Stoewener. 1,748,315; Feb. 25.
- Silica, Manufacture of active. F. Stoewener. 1,751,955; Mar. 25.
- Silica, Manufacture of transparent fused pure. H. George. 1,755,953; Apr. 22.
- Silicate of soda, Apparatus for dissolving. L. B. Edgerton. 1,763,845; June 17.
- Silicates, Preparing metallo-. A. S. Behrman. 1,756,625; Apr. 29.
- Siliceous materials, Preparing. A. S. Behrman. 1,755,496; Apr. 22.
- Silico-thermic metallurgy. W. C. Read. 1,758,465; May 13.
- Silicon and high-manganese steel, High-. W. C. Hamilton. 1,746,586; Feb. 11.
- Silicon in ferrophosphorus, Elimination of. H. E. White. 1,751,783; Mar. 25.
- Silk and like products are treated with hot liquors, Process in which cellulose-acetate artificial. A. J. Hall. 1,765,581; June 24.
- Silk and the like, Manufacture of artificial. W. P. Dreaper. 1,780,346; Nov. 4.
- Silk and the manufacture thereof, Artificial. W. H. Furness. 1,770,750; July 15.
- Silk, Apparatus for the manufacture of artificial. H. F. Niogret. 1,782,581; Nov. 25.
- Silk, Apparatus for use in manufacturing artificial. F. W. Schubert. 1,778,302; Oct. 14.
- Silk, Composition for and process of delustering artificial. G. Tagliani. 1,770,114; July 8.
- Silk, Degumming. L. Wallerstein. 1,763,112; June 10.
- Silk, Device for manufacturing artificial. H. Kempf. 1,747,302; Feb. 18.
- Silk fibers or yarns, Delustering artificial. O. F. Muller. 1,769,850; July 1.
- Silk made from viscose, Treating artificial. K. Leuchs. 1,770,412; July 15.
- Silk, Manufacture of artificial. F. W. Schubert. 1,778,301; Oct. 14.
- Silk, Method and apparatus for treating artificial. J. A. Flrsching. 1,770,592; July 15.

- Silk, Process and solution for the treatment of. C. H. Kidwell. 1,777,203; Sept. 30.
- Silk, Translucent artificial. H. A. Gardner. 1,768,401; June 24.
- Silk, Treatment of artificial. B. Borzykowski. 1,770,729; July 15.
- Silks, Treatment of artificial. R. Clavel. 1,761,707; June 3.
- Silk, Twisting and reeling artificial. A. Bernstein. 1,771,390; July 29.
- Silk-twisting mill and like machine. L. C. Junillon and F. Gillot. 1,782,967; Nov. 25.
- Silk-warp oil saturator. G. Wilson. 1,777,457; Oct. 7.
- Sill and body bolster for railway vehicles. T. A. Ladas. 1,771,090; July 22.
- Sill construction. J. Ledwinka. 1,767,464; June 24.
- Sill construction. W. Marshall. 1,786,072; Dec. 23.
- Sill or jamb covering, Adjustable. E. F. McHugh. 1,752,606; Apr. 1.
- Sill or jamb covering, Interlocking. E. F. McHugh. 1,752,605; Apr. 1.
- Sill, Side. W. E. Wine. Re17,592; Feb. 11.
- Silo. W. D. Bayley. 1,782,675; Nov. 25.
- Silo. C. N. Heath. 1,758,662; May 13.
- Silo. J. R. Roberts. 1,750,052; Mar. 11.
- Silo, Portable. S. D. Ruth. 1,751,250; Mar. 18.
- Silt accumulator. A. W. Johannes. 1,775,820; Sept. 16; Sept. 16.
- Silver and silver plate and producing the same, Tarnish-resisting. D. Gray, R. O. Bailey, and W. S. Murray. 1,779,809; Oct. 28.
- Silver and silver plate and producing the same, Tarnish-resisting. W. S. Murray. 1,758,293; May 13.
- Silver and silver plate, Producing tarnish-resisting. R. O. Bailey and W. S. Murray. 1,773,702; Aug. 19.
- Silver-bromide emulsions and plates or films covered with such emulsions, Desensitizing. B. Homolka. 1,760,756; May 27.
- Silver extraction. E. Haehre. 1,747,072; Feb. 11.
- Silver halide emulsion, Gelatino. P. C. Seel. 1,757,482; May 6.
- Silver-halide emulsions and manufacturing the same, Light-sensitive. O. Matthies and B. Wendt. 1,758,576-7; May 13.
- Silver iodide compound and preparing same, Colloidal. H. S. Keelan. 1,783,334; Dec. 2.
- Silver, Preparing colloidal. T. Satow. 1,764,417; June 17.
- Silverware, Method and material for preventing the tarnishing of. G. Jones. 1,766,646; June 24.
- Silverware server, Rotary table. C. J. Akalis. 1,761,382; June 3.
- Singeing textile threads, Device for. G. Erne. 1,745,920; Feb. 4.
- Single-roll crusher. G. W. Borton. 1,783,373; Dec. 2.
- Sink and garbage-disposal means, Combination. E. A. Buckman. 1,743,187; Jan. 14.
- Sink, Flat-rim. C. Ramstead. 1,778,300; Oct. 14.
- Sink for the separation of volatile liquids from waste water. A. Kutzer. 1,778,326; Oct. 14.
- Sink, Kitchen. S. M. Gillard. 1,767,874; June 24.
- Sink mine. K. O. R. Johansson. 1,780,592; Nov. 4.
- Sink or similar article. A. F. Premo. Des. 81,399; June 17.
- Sink pad. M. Rust. 1,743,400; Jan. 14.
- Sink, Portable tourist. F. J. Franson. 1,761,258; June 3.
- Sink rack, Sanitary. A. F. Kukulski. 1,774,278; Aug. 26.
- Sink strainer. E. K. Robertson. 1,773,547; Aug. 19.
- Sinker, Floating. J. W. Bond. 1,749,464; Mar. 4.
- Sinker for knitting machines. A. E. Stewart. 1,782,486; Nov. 25.
- Sinkers for knitting machines, Manufacturing. H. E. Stout. 1,784,256; Dec. 9.
- Sinks or the like, Waste fitting for. E. G. Oakley. 1,762,734; June 10.
- Sinter, Handling. A. J. Boynton. 1,758,496; May 13.
- Sintering apparatus. A. Holmberg. 1,757,863; May 6.
- Sintering machine. C. H. Mace. 1,773,916; Aug. 26.
- Sintering machine. E. W. Shallock. 1,764,695-6; June 17.
- Sintering machine and the like. E. Cuddihy. 1,777,398; Oct. 7.
- Siphon. E. B. Mitchell. 1,757,872; May 6.
- Siphon. N. Swindin. 1,752,620; Apr. 1.
- Siphon, Automatic tank. P. E. Jertberg. 1,755,218; Apr. 22.
- Siphon, Cream. E. Larson. 1,762,517; June 10.
- Siphon device for watering livestock. L. K. Wilson. 1,762,316; June 10.
- Siphon for aerating liquid, etc., Rotor. H. R. McDonald. 1,779,181; Oct. 21.
- Siphon, Pump. J. Birnie, jr. 1,744,738; Jan. 28.
- Siphon Spillway. F. Lawaczek. 1,770,340; July 8.
- Siren. L. H. Miles. 1,746,437; Feb. 11.
- Siren, Vehicle. C. A. Volt, jr. 1,761,162; June 3.
- Sirup and making the same. J. K. Dale. 1,746,993; Feb. 11.
- Sirup and making the same, Raisin. H. W. Denny. 1,746,994; Feb. 11.
- Sitz bath, Combined. J. Wenischniger. 1,751,180; Mar. 18.
- 6-alkoxy-8-amino-quinolines, New. W. Schulemann, F. Schönhöfer and F. Mietzsch. 1,747,532; Feb. 18.
- 6-alkoxy-8-aminoquinolines. W. Schulemann, F. Schönhöfer, and A. Wiegler. 1,758,378; May 13.
- 6-chloro-2-nitro-1-methylbenzene-4-sulphonic acid, Preparing. F. Henle and B. Vossen. 1,759,554; May 20.
- Six-wheel drives, Brake system for. H. B. Shields. 1,763,868; June 17.
- Sizing mechanism. K. Davis. 1,759,480; May 20.
- Skate. G. A. Carney. 1,782,499; Nov. 25.
- Skate. F. MacMillan. 1,771,855; July 29.
- Skate. S. J. Stiver. 1,782,078; Nov. 18.
- Skate and attachment, Roller. H. Dupuis. 1,775,895; Sept. 16.
- Skate clamp. A. K. Johnson. 1,760,238; May 27.
- Skate, Ice. G. Frühlbeis. 1,751,692; Mar. 25.
- Skate, Ice. H. Musaus. 1,757,649; May 6.
- Skate, Ice. M. J. Orafisk. 1,749,298; Mar. 4.
- Skate, Interchangeable. W. A. Thompson. 1,773,017; Aug. 12.
- Skate or the like, Wheel. J. H. Wyndham. 1,768,228; June 24.
- Skate, Roller. L. G. Brinkman. Des. 81,773; Aug. 12.
- Skate, Roller. W. H. Dunne. 1,757,115; May 6.
- Skate, Roller. G. Duisenberg. 1,778,850; Oct. 21.
- Skate, Roller. P. N. Joslin. 1,749,139; Mar. 4.
- Skate, Roller. R. Nanz. 1,751,942; Mar. 25.
- Skate, Roller. B. G. Preston. 1,772,564; Aug. 12.
- Skate, Roller. J. T. Smith. 1,784,761; Dec. 9.
- Skate, Roller. T. Spacie. 1,753,810; Apr. 8.
- Skate, Roller. W. V. Van Etten. 1,761,807; June 3.
- Skate, Roller. O. Woelfer. 1,772,333; Aug. 5.
- Skate-runner support and making same. G. E. Schmidt. 1,750,689; Mar. 18.
- Skate runners and process, Tubular support for. G. E. Schmidt. 1,750,690-1; Mar. 18.
- Skate wheel, Roller. W. H. Dunne. 1,757,116; May 6.
- Skating ground, Producing an artificial. F. E. Müller. 1,759,270; May 20.
- Skeleton structure such as aircraft fuselage. F. Sigrist and S. Camm. 1,750,692; Mar. 18.
- Skelp bar, Method and apparatus for the manufacture and conditioning of. J. W. Shepherdson. 1,782,700; Nov. 25.
- Skewback block. J. Brookes. 1,760,296; May 27.
- Skewer for loom shuttles, Cop. F. E. Douglas. 1,763,614; June 10.
- Ski binding. L. D. Gibson. 1,773,396; Aug. 19.
- Ski-cutting machine. J. E. Erickson. 1,769,125; July 1.
- Ski, Detachable. A. R. Stalb, jr. 1,745,126; Jan. 28.
- Ski pedestal for aeroplanes. S. A. Cheesman. 1,752,416; Apr. 1.
- Ski tie. B. With. 1,780,511; Nov. 4.
- Skid. C. H. Young. 1,749,270; Mar. 4.
- Skid for aeroplanes, Steerable tail. L. G. Query. 1,745,808; Feb. 4.
- Skimmer. R. J. Anderson. 1,763,637; June 17.
- Skimmer. C. C. Barnes. 1,785,689; Dec. 16.
- Skinning and fattening machine. C. G. G. Bergstrom. 1,759,478; May 20.
- Skins, Apparatus for seasoning. H. B. Layton. 1,752,440; Apr. 1.
- Skins or hides previous to tanning, Treating. W. H. Allen. 1,743,647; Jan. 14.
- Skins, Plating. A. C. Brill. 1,783,952; Dec. 9.
- Skiving device. G. J. Mead. 1,763,099; June 10.
- Skiving machine. M. H. Ballard. 1,771,606; July 29.
- Skiving machine. J. M. Cooke. 1,771,208; July 22.
- Skiving machine. C. E. Jones. 1,758,402; May 13.
- Skiving machine. S. J. Pentler and O. R. Short. 1,787,052; Dec. 30.
- Skiving machine. R. B. Woodcock and J. Cook. 1,782,495; Nov. 25.
- Skylight. B. P. Blaski. 1,769,013; July 1.
- Skylight. F. M. Braeger. 1,773,299; Aug. 19.
- Skylight. L. Isgur. 1,752,002; Mar. 25.
- Skylight-actuating mechanism. B. P. Blaski. 1,760,110; May 27.
- Skylight construction. S. E. Cibulas. 1,772,068; Aug. 5.
- Skylight construction, Ventilated. L. Abt. 1,771,107; July 22.
- Slab, Composition. A. C. Fischer. 1,744,303; Jan. 21.
- Slab construction. T. Barbato. 1,749,524; Mar. 4.
- Slab, Crossing. G. E. Nagel. 1,763,477; June 10.
- Slab-debarking machine. W. A. Davidson. 1,759,188; May 20.
- Slab, Downflow. J. A. Reece. 1,753,805; Apr. 8.
- Slabs, Forming. G. C. Martin. 1,750,113; Mar. 11.
- Slack adjuster. H. E. Anderson. 1,772,434-5; Aug. 5.
- Slack adjuster. C. A. Campbell. 1,749,018; Mar. 4.
- Slack adjuster. M. L. Hancock. 1,786,299; Dec. 23.
- Slack adjuster. B. W. Kadel and D. S. Barrows. 1,770,037; July 8.
- Slack adjuster. W. F. Richards. 1,770,043; July 8.
- Slack adjuster. W. H. Sauvage. 1,787,123; Dec. 30.
- Slack adjuster, Automatic. A. E. Osborn. 1,755,305; Apr. 22.
- Slack adjuster for railway-car brake equipment. H. E. Anderson. 1,772,433; Aug. 5.
- Slack puller. T. Birkenmaier. 1,765,397; June 24.
- Slack puller. T. Birkenmaier. 1,766,504; June 24.
- Slack Take-up device. R. H. Floyd. 1,783,359; Dec. 2.
- Slag-reducing process. T. F. Baily and L. G. Pritz. 1,754,845; Apr. 15.
- Slag screen and wall-cooling means. H. J. Kerr. 1,785,350; Dec. 16.
- Slags for the manufacture of alloy steel, Utilization of converter. P. G. Paris. 1,768,710; July 1.
- Slasher drier. J. Roberts. 1,773,642; Aug. 19.
- Slat-edging machine. J. J. Sylva. 1,786,039; Dec. 23.
- Slat waxing and stacking machine. O. F. Chichester and J. J. Sylva. 1,782,645; Nov. 25.

- Slate and the like, Coloring granular. H. C. Fisher. 1,742,440; June 7.
- Slate, Coloring granulated. H. C. Fisher. 1,766,891; June 24.
- Slate granules, Coloring. H. C. Fisher. 1,782,648; Nov. 25.
- Slate granules, Forming grayish-black. H. C. Fisher. 1,782,649; Nov. 25.
- Sled. W. C. Landerdahl. 1,770,078; July 8.
- Sled. R. M. G. Phillips. 1,756,303; Apr. 29.
- Sled, Auto. S. N. Stowell. 1,753,160; Apr. 1.
- Sled, Collapsible. L. J. Clarke. 1,754,011; Apr. 8.
- Sled or sleigh, Pleasure. F. Wels. 1,785,467; Dec. 16.
- Sled, Self-propelled. C. Schubert. 1,751,252; Mar. 18.
- Sled, Ski. C. Fredrickson and E. J. Gustafson. 1,768,046; June 24.
- Sled, Steering. L. E. Reed. 1,745,452; Feb. 4.
- Sleds, Truck attachment for. T. C. Lorenzen. 1,744,654; Jan. 21.
- Sleep, Apparatus for inducing. H. Salomon and M. Friedrich. 1,759,761; May 20.
- Sleeper mounting. W. M. Goldsmith. 1,777,358; Oct. 7.
- Sleeper tie. H. C. Bujack. 1,767,575; June 24.
- Sleeve construction for coats. E. M. Orlow. 1,760,434; May 27.
- Sleeve form. W. A. Finkel. 1,749,032; Mar. 4.
- Sleeve form. M. Goldkopf. 1,758,742; May 13.
- Sleeve for roller bearings. B. A. Gayman. Re17,838; Oct. 21.
- Sleeve protector. H. H. Fisher. 1,762,549; June 10.
- Sleeve-valve engine. C. E. King. 1,783,722; Dec. 2.
- Sleeve-valve engine. B. de K. Van Dorssen. 1,779,835; Oct. 28.
- Sleeves and coils with reenforcements wound around, Process and apparatus for producing paper. C. Majer. 1,765,928; June 24.
- Sleigh, Water. J. S. Brylka. 1,768,395; June 24.
- Slice receiver. J. Folk. 1,756,348; Apr. 29.
- Slice receiver and collector. J. Folk. 1,756,424; Apr. 29.
- Slicer. F. H. Miller. 1,778,161; Oct. 14.
- Slicer and container, Butter. B. F. Stieber. 1,779,341; Oct. 21.
- Slicer and cutter, Portable hand. C. W. Pospisil. 1,746,404; Feb. 11.
- Slicer, Bread. W. C. Crawford. 1,771,434; July 29.
- Slicer, Bread. M. L. Georgopoulos. 1,753,371; Apr. 8.
- Slicer, Meat. E. G. Streckfuss. 1,760,670; May 27.
- Slicer, Vegetable. J. A. Andrusis. 1,768,094; June 24.
- Slicer, Vegetable. W. W. Jones and J. H. Bailey. 1,766,825; June 24.
- Slicer, Vegetable. H. H. Keeton. 1,768,072; June 24.
- Slicing and grinding machine. O. Erl. 1,752,160; Mar. 25.
- Slicing apparatus. G. J. Dischert. 1,768,580; July 1.
- Slicing machine. C. F. M. Van Berkel. 1,750,071; Mar. 11.
- Slicing machine. C. F. M. van Berkel. 1,778,875; Oct. 21.
- Slicing machine. E. Bredow. 1,756,237; Apr. 29.
- Slicing machine. W. J. Campbell. 1,742,575-8; Jan. 7.
- Slicing machine. W. J. Campbell. 1,743,113; Jan. 14.
- Slicing machine. W. J. Campbell. 1,750,662; Mar. 18.
- Slicing machine. W. J. Campbell. 1,774,913; Sept. 2.
- Slicing machine. W. J. Campbell. 1,778,102-3; Oct. 14.
- Slicing machine. H. H. Fisher. 1,772,135; Aug. 5.
- Slicing machine. W. Rienks. 1,776,270; Sept. 23.
- Slicing machine. F. M. Van Berkel. 1,778,050; Oct. 14.
- Slicing machine. W. P. van Lammeren. 1,749,402; Mar. 4.
- Slicing machine. S. A. Westdahl. 1,751,672; Mar. 25.
- Slicing machine, Adjustable. C. L. Collins and J. V. Anzu-
lovic. 1,783,222; Dec. 2.
- Slicing machine, Automatic. M. Lemos. 1,755,883; Apr. 22.
- Slicing machine, Bread-. H. J. Criner. 1,778,007; Oct. 14.
- Slicing machine for vegetables and foodstuffs. M. Woolley. 1,746,979; Feb. 11.
- Slicing machine, Rotary. J. H. Dalen. 1,743,435; Jan. 14.
- Slicing machines, Feeding device for. C. W. Dawson. 1,746,242; Feb. 11.
- Slicing machines, Feeding mechanism for. W. P. Van Lammeren. 1,763,681; June 17.
- Slicing machines, Grinding device for meat-. G. R. Wood. 1,753,635; Apr. 8.
- Slicing machines, Knife for. W. J. Campbell. 1,772,706; Aug. 12.
- Slicing machines, Knife sharpener for. W. J. Campbell. 1,772,704; Aug. 12.
- Slicing machines, Knife sharpener for. W. J. Campbell. 1,772,705; Aug. 12.
- Slicing machines, Power driving mechanism for. W. Rienks. 1,745,191; Jan. 28.
- Slicing machines, Slice collector for. J. Folk. 1,756,149; Apr. 29.
- Slicing machines, Work-piece holder for. H. Thomas. 1,778,235; Oct. 14.
- Slices, Mechanism for assembling. J. Folk. 1,756,544; Apr. 29.
- Slide, Belt-adjusting. H. T. Schwanda. 1,776,338; Sept. 23.
- Slide for automatic extensible tables. J. Cooper. 1,778,418; Oct. 14.
- Slide for playgrounds. W. O. T. Watkins. 1,774,045; Aug. 26.
- Slide mechanism. R. Molinari and J. Baldi. 1,775,824; Sept. 16.
- Slide-plate and tie-bar construction for railroads. R. M. Evans. 1,761,256; June 3.
- Slide, seesaw, and jumping board, Combination. M. Remy. 1,752,110; Mar. 25.
- Slide-way for window panes. D. H. Van Hove. 1,753,038; Apr. 1.
- Slider for fasteners. R. C. Legat. 1,773,150; Aug. 19.
- Slider for interlocking fasteners. E. W. Rutherford. 1,752,111; Mar. 25.
- Sliding car. P. Sos. 1,774,338; Aug. 26.
- Sliding catch. P. Stoya. 1,754,867; Apr. 15.
- Sling. H. C. Isbell. 1,776,435; Sept. 23.
- Sling. R. J. Payne. 1,745,446; Feb. 4.
- Sling apparatus. F. H. Poor. 1,745,449; Feb. 4.
- Sling shot and bow, Combination. E. S. Smith. 1,781,530; Nov. 11.
- Slip. V. F. Koncen. 1,771,179; July 22.
- Slip. R. V. Uhrig. 1,763,872; June 17.
- Slip construction. E. W. Goesser. 1,758,108; May 13.
- Slip flask. A. Diehl. 1,746,146; Feb. 4.
- Slip for rotary tables and spiders for handling pipe. R. V. Uhrig. 1,752,822; Apr. 1.
- Slip-roll-forming machine. P. R. Hahnemann. 1,763,304; June 10.
- Slip, Rotary. H. R. Decker. 1,745,409; Feb. 4.
- Slip sheeter particularly adapted for mimeographs. F. Klein. 1,763,972; June 17.
- Slippage drawing roller. E. Gminder. 1,748,711; Feb. 25.
- Slipper. S. Bernfeld. Des. 80,718; Mar. 18.
- Slipper. I. Goldberg. Des. 80,516-18; Feb. 18.
- Slipper. S. Horowitz. 1,770,698; July 15.
- Slipper and making the same, Ballet. E. W. Tilton. 1,746,019; Feb. 4.
- Slit, Reproducing. T. W. Case. 1,774,253; Aug. 26.
- Slitter. F. W. Loddington. 1,760,243; May 27.
- Slitter drive. L. L. Dupuis and E. H. Vicary. 1,774,133; Aug. 26.
- Slitting and winding machine, Combined. R. McC. Johnstone. 1,768,407; June 24.
- Slitting cutter, Rotary spiral. F. C. Arey. 1,786,050; Dec. 23.
- Slitting machines, Making backing member for. J. A. Cameron. 1,752,061; Mar. 25.
- Slitting machines, Separator for. J. A. White. 1,749,618; Mar. 4.
- Sliver control, Mechanism for. J. H. Damon. 1,778,382; Oct. 14.
- Slivers and resulting packages, Treating and packaging. E. J. Abbott. 1,746,509; Feb. 11.
- Slivers from textile machines into cans, Delivery. J. P. Mackie. 1,777,442; Oct. 7.
- Slivers from textile machines into cans, Delivery of. J. P. Mackie. 1,747,017; Feb. 11.
- Slot cutter. F. A. Ost. 1,752,690; Apr. 1.
- Sludge burner, Acid-. F. J. McDevitt. 1,780,653; Nov. 4.
- Sludge separator. A. Nyrop. 1,780,655; Nov. 4.
- Sludge, Treatment of. T. B. Sims. 1,757,263; May 6.
- Slug-casting machine. J. A. McGinnis. 1,782,047; Nov. 18.
- Slug-casting machine. E. W. Pierson. 1,750,353; Mar. 11.
- Slug catcher or yarn cleaner. G. S. Beckman. 1,749,461; Mar. 4.
- Slug ejector. A. S. Ross. 1,749,986; Mar. 11.
- Slug ejector. A. S. Ross. 1,764,985; June 17.
- Slug ejector for coin machines. N. P. Petersen. 1,764,579; June 17.
- Slug holder and depressible margin bar, Edition-printing-. F. Lamatsch. 1,752,565; Apr. 1.
- Slug or bunch catcher. T. J. Sands. 1,749,511; Mar. 4.
- Slug, Type. L. W. Willis. 1,742,981; Jan. 7.
- Sluice for tubular dispatch systems. W. Höhne. 1,770,696; July 15.
- Sluice gate, Water-regulating. F. Newell. 1,750,901; Mar. 18.
- Smelting of ferro-alloys in blast furnaces. F. W. Davis. 1,744,213; Jan. 21.
- Smelting ore and other zinc containing materials. W. Job. 1,748,450; Feb. 25.
- Smelting process. F. Wüst. 1,751,185; Mar. 18.
- Smoke, Apparatus for determining the density of. F. Sawford. 1,785,393; Dec. 16.
- Smoke box and stack. W. F. Kiesel, jr. 1,749,487; Mar. 4.
- Smoke box, Locomotive. H. M. Pfleger. 1,773,750; Aug. 26.
- Smoke box, Steam-boiler. G. B. Ashworth. 1,760,680; May 27.
- Smoke charge for practice shells. C. J. Bain and G. C. Hale. 1,774,466; Aug. 26.
- Smoke condenser. J. M. Hill. 1,765,159; June 17.
- Smoke consumer. A. Adams. 1,752,717; Apr. 1.
- Smoke consumer. J. W. Hulson. 1,749,028; Mar. 4.
- Smoke consumer. W. E. Marshall. 1,744,562; Jan. 21.
- Smoke consumer. J. Sabol. 1,756,663; Apr. 29.
- Smoke consumer and fuel economizer. F. A. Penberthy. 1,742,931; Jan. 7.
- Smoke-consuming device. W. J. Doyle. 1,765,828; June 24.
- Smoke-consuming device. T. C. Stephens. 1,746,971; Feb. 11.
- Smoke-consuming device. T. C. Stephens. 1,759,961; May 27.
- Smoke-consuming or cleaning device. W. F. Brinkman, jr. 1,743,422; Jan. 14.
- Smoke detector. G. M. and A. P. Marr. 1,755,834; Apr. 22.
- Smoke device. W. Beck. 1,759,033; May 20.

- Smoke, Device for indicating and recording the quality of. F. and F. Sawford, jr. 1,785,392; Dec. 16.
- Smoke-disposal and draft-inducing apparatus for locomotives. 1,768,748; July 1.
- Smoke-disposal process. Boiler-house. W. Louis. 1,779,282; Oct. 21.
- Smoke eliminator. F. W. Miller. 1,745,579; Feb. 4.
- Smoke eliminator and fuel economizer. A. E. Stuckert. 1,747,267; Feb. 18.
- Smoke flavor and aroma imparting binder for food products, etc. J. Alsberg. 1,777,026; Sept. 30.
- Smoke from coke ovens, Removal of. J. van Ackeren. 1,785,748; Dec. 23.
- Smoke producer. H. F. Taylor. 1,779,453; Oct. 28.
- Smoke-ring-emitting device. W. A. Shields. 1,771,358; July 22.
- Smoke screens, Process and apparatus for generating. N. E. Oglesby. 1,785,744; Dec. 23.
- Smoke separator. H. C. Lyons. 1,749,594; Mar. 4.
- Smoke-washing apparatus. C. M. Gerhold. 1,757,522; May 6.
- Smoker unit. H. S. Siegel. 1,779,952; Oct. 28.
- Smoker's and reader's stand, Combined. J. B. Scharf. Des. 81,554; July 8.
- Smoker's appliance. R. G. Fleming. 1,747,356; Feb. 18.
- Smoker's appliance. K. Knudson. Des. 82,268; Oct. 14.
- Smoker's appliance. W. Walker. 1,743,698; Jan. 14.
- Smoker's article. J. P. Doughty, jr. 1,786,902; Dec. 30.
- Smoker's article. J. S. McClees. 1,781,553; Nov. 11.
- Smoker's article. S. H. Parson. 1,745,445; Feb. 4.
- Smoker's article. D. Salvati and H. Le Quornik. 1,756,836; Apr. 29.
- Smoker's pipe. W. E. Copithorn. 1,780,866; Nov. 4.
- Smoker's pipe. S. Pavloff. 1,785,208; Dec. 16.
- Smoker's set and advertising device. C. March. 1,778,681; Oct. 14.
- Smoker's set, Combination. L. T. Blagg. Des. 82,368; Oct. 28.
- Smoker's stand. R. N. Baylis. Des. 80,302; Jan. 14.
- Smoker's stand. J. Cook. 1,771,248; July 22.
- Smoker's stand. H. Dalton. Des. 82,800; Dec. 16.
- Smoker's stand. O. J. Gerschefski. 1,778,420; Oct. 14.
- Smoker's stand. G. P. Schwarz. Des. 82,959; Dec. 30.
- Smoker's stand. J. A. Sutsh. Des. 81,601; July 15.
- Smoking pipe. H. J. Trenkamp. 1,786,179; Dec. 23.
- Smoker's Stand. C. E. Waltman. Des. 80,926; Apr. 8.
- Smokers' stands, Plate for. F. J. Abel. Des. 82,257; Oct. 28.
- Smoking and vanity case, Combination. W. Schnell. Des. 80,856; Apr. 1.
- Smoking appliance, Tobacco-. L. D. Jones. 1,764,795; June 17.
- Smoking, curing, and treating apparatus, Continuous. R. E. Jordan. 1,755,878; Apr. 22.
- Smoking pipe. C. W. Hunter. 1,747,076; Feb. 11.
- Smoking pipe. A. H. Olsson. 1,770,745; July 15.
- Smoking pipe, Tobacco-. P. A. Webb. 1,753,844; Apr. 8.
- Smoking stand. J. S. Kandel. Des. 81,880; Aug. 26.
- Smoking-stand body. J. H. Reichart. Des. 81,204; May 20.
- Smoking stand or similar article. A. von Frankenberg. Des. 80,925; Apr. 8.
- Snap. C. H. Davis and H. W. Lueck. 1,755,286; Apr. 22.
- Snap. O. Thornley. 1,764,813; June 17.
- Snap construction. S. Sullivan. 1,744,344; Jan. 21.
- Snap construction, Release. A. Summerfeld. 1,752,619; Apr. 1.
- Snap fastener. G. W. Lane. 1,748,355; Feb. 25.
- Snap-fastener cap. A. W. Kimbell. Des. 81,290; June 3.
- Snap-fastener cap. A. W. Kimbell. Des. 81,292; June 3.
- Snap-fastener member, Resilient. P. E. Fenton. 1,757,421; May 6.
- Snap for trolling lines. E. Sylvanne. 1,779,343; Oct. 21.
- Snap hook. W. R. Cooper and H. Quick. 1,782,379; Nov. 18.
- Snap hook. C. D. Evans. 1,772,390; Aug. 5.
- Snap hook. H. G. Hancock. 1,758,038; May 13.
- Snap hook. P. W. Jensen. 1,767,368; June 24.
- Snap hook. H. Soule. 1,744,419; Jan. 21.
- Snap link. O. C. Hill. 1,769,512; July 1.
- Snap-on clip. W. F. Chadbourne. 1,780,169; Nov. 4.
- Snap or clasp. R. R. O. Ninnermun. 1,762,882; June 10.
- Snap switch. F. Diehl. 1,777,877; Oct. 7.
- Snap switch. A. C. Gaynor. 1,762,016; June 3.
- Snap switch. A. C. Gaynor. 1,762,093; June 3.
- Snap switch. L. A. Kempton. 1,778,676; Oct. 14.
- Snap switch. C. M. Petersen. 1,771,498; July 29.
- Snap switch. F. C. De Reamer. 1,755,055; Apr. 15.
- Snap switch, Electric. G. J. Mouer. 1,777,525; Oct. 7.
- Snap switch, Electric. J. H. Nelson. 1,762,787; June 10.
- Snap switch, Safety. F. F. Hafemeister. 1,782,780; Nov. 25.
- Snare. W. J. Buford. 1,763,921; June 17.
- Snare, Animal. N. R. Carr and C. C. Miller. 1,776,782; Sept. 30.
- Snatch block, Automatic. C. Robertson. 1,766,357; June 24.
- Snipper, Bean. G. A. Smith. 1,777,384; Oct. 7.
- Snipping attachment for folding machines. J. J. Master-son. 1,771,092; July 22.
- Snow, Artificial. R. W. Simpson. 1,746,717; Feb. 11.
- Snow-cleaning apparatus. W. G. Briggs. 1,744,066; Jan. 21.
- Snow collecting and melting machine. T. J. Chrul. 1,746,417; Feb. 11.
- Snowplow. G. C. Abbe. 1,786,974; Dec. 30.
- Snowplow. P. E. Adams. 1,763,736; June 17.
- Snowplow. G. F. Alwin. 1,776,878; Sept. 30.
- Snowplow. E. A. Brattlien. 1,784,331; Dec. 9.
- Snowplow. C. A. Carpenter. 1,770,587; July 15.
- Snowplow. F. E. Fick. 1,779,090; Oct. 21.
- Snowplow. F. Gettelman. 1,776,788; Sept. 30.
- Snowplow. J. B. Hall. 1,781,578; Nov. 11.
- Snowplow. A. C. Heinzen. 1,743,969; Jan. 14.
- Snowplow. A. P. Jensen. 1,749,481; Mar. 4.
- Snowplow. J. A. Litt. 1,742,818; Jan. 7.
- Snowplow. A. Nelson. 1,770,545; July 15.
- Snowplow. R. Robertson. 1,746,167; Feb. 4.
- Snowplow and hitch. J. O. Johnson. 1,746,947; Feb. 11.
- Snowplow attachment. C. Schnell. 1,763,373; June 10.
- Snowplow attachment for tractors. J. L. Becker. 1,773,255; Aug. 19.
- Snowplow for engines. L. Kudzia. 1,751,822; Mar. 25.
- Snowplow for tractors and motor vehicles. J. Thill. 1,743,291; Jan. 14.
- Snowplow, Motor-truck. E. A. Biefeld. 1,775,483; Sept. 9.
- Snowplow, Rotary. J. H. Griffin and E. E. Tiers. 1,749,810; Mar. 11.
- Snowplow, Tractor. L. Isbell. 1,745,540; Feb. 4.
- Snowplow with extension wings. J. O. Johnson. 1,747,475; Feb. 18.
- Snowplow with top discharge. J. O. Johnson. 1,754,322; Apr. 15.
- Snowplows, Driving mechanism for. J. S. Payne. 1,743,683; Jan. 14.
- Snow removal. E. A. Smith. 1,753,757; Apr. 8.
- Snow remover. J. S. Brady. 1,773,444; Aug. 19.
- Snow remover. J. A. Ferland. 1,743,336; Jan. 14.
- Snow removing and melting device. A. W. Dzamba. 1,779,965; Oct. 28.
- Snow-removing machine. R. A. Polak. 1,742,968; Jan. 7.
- Snowshoe harness. M. U. Bates. 1,747,213; Feb. 18.
- Snow shovel. E. F. Prindle. 1,743,161; Jan. 14.
- Snubber. L. Blackmore. 1,761,965; June 3.
- Snubber. E. I. Dodds. 1,745,662; Feb. 4.
- Snubber. R. B. Fageol. 1,781,898; Nov. 18.
- Snubber. L. L. Lomar. 1,759,266; May 20.
- Snubber. P. N. Peters. 1,787,282; Dec. 30.
- Snubber and spring suspension, Vehicle. R. B. Fageol. 1,781,631; Nov. 11.
- Snubber for automobiles. E. Matthews. 1,783,193; Dec. 2.
- Snubber for vehicle springs. R. B. Fageol. 1,771,560; July 29.
- Snuffer and gas trap, Combined. D. L. Moore. 1,744,659; Jan. 21.
- Soaking pit, Recuperative. G. R. McDermott. 1,777,125; Sept. 30.
- Soap and making castor-oil soap, Castor-oil. W. M. Billing. 1,767,041; June 24.
- Soap and producing it, Demulsifying. J. F. Turner, D. H. Matthews, and M. F. Ross. 1,742,623; Jan. 7.
- Soap, Apparatus for producing shredded. J. A. Schwantes. 1,785,532; Dec. 16.
- Soap box. O. Jackmann. 1,745,798; Feb. 4.
- Soap cake and making same. R. S. Blair. 1,780,330; Nov. 4.
- Soap cake and making same, Sectional. S. D. Embree. 1,764,009; June 17.
- Soap, Cake of. C. A. Crary. Des. 82,777; Dec. 9.
- Soap creams containing highly-concentrated salt solutions, Manufacturing durable. S. Weissbein. 1,748,533; Feb. 25.
- Soap-cutting apparatus. J. A. Schwantes. 1,760,087; May 27.
- Soap, Device for pressing. H. T. Safford. 1,782,076; Nov. 18.
- Soap dish, Rubber-sponge. W. Vernet. 1,756,713; Apr. 29.
- Soap gels and making same, Anhydrous. V. R. Kokatnur. 1,753,659; Apr. 8.
- Soap in the form of threads, Manufacturing dry, noncaking, readily soluble. A. Welter. 1,779,301; Oct. 21.
- Soap manufacture. J. A. Schwantes. 1,785,533; Dec. 16.
- Soap material from spent wood liquors, Recovering of rosin. V. Drewsen. 1,778,523; Oct. 14.
- Soap powder from soap stock high in fatty acid, Producing. C. K. Stodder. 1,785,054; Dec. 16.
- Soap powder, Scouring. F. P. Reinle. 1,770,429; July 15.
- Soap press. R. A. Jones. 1,785,312; Dec. 16.
- Soap product, Sprayed. E. P. Stevenson and B. B. Fogler. 1,779,517; Oct. 28.
- Soap, Sea-salt. L. C. Laurent. 1,760,759; May 27.
- Soap, Shampooing. A. Malkasian. 1,775,469; Sept. 9.
- Soap, Shaving. G. F. Doran. 1,771,707; July 29.
- Soap solution, Apparatus for making. R. M. Bagley. 1,751,301; Mar. 18.
- Soap, Spray drying. E. P. Stevenson and B. B. Fogler. 1,779,516; Oct. 28.
- Soap threads, Production of. A. H. Charlton. 1,764,866; June 17.
- Soaping device. A. W. Hahn, jr. 1,763,236; June 10.
- Soaping flowing water, Device for. E. Collenburg. 1,786,561; Dec. 30.
- Sock. F. L. Gilbert. 1,767,666; June 24.
- Sock and garter, Combined. A. M. Greco. 1,745,927; Feb. 4.
- Sock, Boot and shoe. L. S. Williams. 1,780,574; Nov. 4.
- Socket. E. Christensen. 1,753,501; Apr. 8.
- Socket. H. D. Currier. 1,782,411; Nov. 25.
- Socket. M. B. Grout. 1,781,384; Nov. 11.

- Socket, Adjustable. H. W. Vickery. 1,746,096; Feb. 4.
 Socket, Adjustable lamp. H. W. Jones. 1,781,064; Nov. 11.
 Socket and contact, Lamp. E. C. Albright. 1,759,929; May 27.
 Socket and contact terminals therefor, Vacuum-tube. M. Alden. 1,764,489; June 17.
 Socket and handle. J. E. Kilkenny. 1,769,435; July 1.
 Socket and reflector, Removable. H. J. Murray. 1,779,073; Oct. 21.
 Socket and terminal therefor, Lamp. F. C. Hersee and N. T. Wiley. 1,765,793; June 24.
 Socket and terminal therefor, Lamp. F. C. Hersee and N. T. Wiley. 1,770,667; July 15.
 Socket block for poles. J. H. Meagher. 1,752,683; Apr. 1.
 Socket, Caster. W. A. Vollmer. 1,761,319; June 3.
 Socket, Caster-bracket. W. F. Herold. 1,758,000; May 13.
 Socket, Christmas-tree lighting. A. J. Paroubek and D. McMillan. 1,744,495; Jan. 21.
 Socket, Contact. F. P. Gates. 1,747,896; Feb. 18.
 Socket device, Lamp-. D. M. Le Fever. 1,775,468; Sept. 9.
 Socket, Double-pin. G. A. King. 1,778,677; Oct. 14.
 Socket, Eccentric slip. F. J. Hinderliter. 1,776,027; Sept. 16.
 Socket, Electric. J. Cuthbert. 1,754,984; Apr. 15.
 Socket, Electric. E. F. Guth. 1,745,691; Feb. 4.
 Socket, Electric. W. Lindsay. 1,756,562; Apr. 29.
 Socket, Electric. F. C. De Reamer. 1,786,292; Dec. 23.
 Socket, Electric. L. Schmidt, jr. 1,755,613; Apr. 22.
 Socket, Electric. H. H. Wermin. 1,745,133; Jan. 28.
 Socket, Electric-lamp. G. H. Elwell. 1,762,511-12; June 10.
 Socket, Electric-lamp. H. Hertzberg. 1,784,440; Dec. 9.
 Socket, Electric-lamp. A. H. Nero. 1,743,929; Jan. 14.
 Socket, Electric-lamp. A. H. Nero. 1,778,684; Oct. 14.
 Socket, Electric-lamp. G. J. Neuer. 1,761,307; June 3.
 Socket, Electric-lamp. J. Weber. Des. 82,465-7; Nov. 4.
 Socket, Electric-light. S. E. McAdams, H. P. Skaggs, and J. T. Singhurst. 1,780,832; Nov. 4.
 Socket, Electric-light. J. P. Nielsen. 1,743,900; Jan. 14.
 Socket, Fishing. G. F. Le Bus. 1,780,134; Oct. 28.
 Socket fitting, Electric. L. Propp. 1,784,388; Dec. 9.
 Socket for electric lamps in series, Resilient clamp. M. Hessel. 1,744,383; Jan. 21.
 Socket for fountain pens, Holding. S. A. Stilwell. 1,771,661; July 29.
 Socket for the combination X-ray radiators. S. Schvacho. 1,755,025; Apr. 15.
 Socket for tubes. W. C. MacFadden. 1,780,778; Nov. 4.
 Socket, Hydraulic. J. M. Fischbach. 1,757,363; May 6.
 Socket, Jar-rein. F. J. Hinderliter. 1,751,997; Mar. 25.
 Socket, Lamp. P. S. Bailey. 1,773,292; Aug. 19.
 Socket, Lamp. J. R. Carlson. 1,781,663; Nov. 11.
 Socket, Lamp. M. Clark. 1,760,477; May 27.
 Socket, Lamp. W. Dubilier. 1,779,804; Oct. 28.
 Socket, Lamp. V. T. Houghton. 1,776,506; Sept. 23.
 Socket, Lamp. R. W. Johnson. 1,779,169; Oct. 21.
 Socket, Lamp. S. B. Kraut. 1,764,315; June 17.
 Socket, Lamp. S. Osteman. 1,750,965; Mar. 18.
 Socket, Lamp. F. H. Weston. 1,768,432; June 24.
 Socket, Locking. D. M. Le Fever. 1,771,049; July 22.
 Socket, Locking. M. N. Russell. 1,771,009; July 22.
 Socket, Pipe-unscrewing. F. J. Hinderliter. 1,776,024; Sept. 16.
 Socket, Push-switch. C. M. Petersen. 1,759,521; May 20.
 Socket reducer. W. A. Finnegan. 1,769,127; July 1.
 Socket, Simplex contraction. A. R. Wolfe. 1,770,377; July 15.
 Socket sleeve. T. J. Scofield. 1,785,211; Dec. 16.
 Socket, Slip. W. A. O'Bannon. 1,785,644; Dec. 16.
 Socket, Slip. E. J. Shaffer. 1,750,906; Mar. 18.
 Socket, Snap-fastener. D. I. Reiter. 1,744,919-20; Jan. 28.
 Socket, Snap-fastener. D. I. Reiter. 1,753,218; Apr. 8.
 Socket stock, Right-angle. A. A. Childs. 1,767,434; June 24.
 Socket, Sucker-rod. F. C. Canniff. 1,754,816; Apr. 15.
 Socket, Sucker-rod. A. H. Neilson. 1,761,840; June 3.
 Socket, Three-way current tap. E. Clemence. 1,751,442; Mar. 18.
 Socket tooth for excavating buckets. E. E. Pierce. 1,777,222; Sept. 30.
 Socket, Tube. J. Geloso. 1,782,419; Nov. 25.
 Socket, Tube. N. C. Schellenger. 1,781,957; Nov. 18.
 Socket, Vacuum-tube. G. L. Lang. 1,769,029; July 1.
 Socket, Vacuum-tube. W. A. MacDonald. 1,763,796; June 17.
 Socket, Vacuum-tube. G. J. Meuer and W. C. Stevens. 1,767,690; June 24.
 Socket, Vacuum-tube. B. Z. Moskowitz. 1,782,437; Nov. 25.
 Socket, Vacuum-tube. H. J. Wiegand. 1,758,269; May 13.
 Socket, Wire-line. D. Baker. 1,746,759; Feb. 11.
 Socket wrench. B. A. Russell. 1,748,246; Feb. 25.
 Socket wrench. J. R. Williamson. 1,779,203; Oct. 21.
 Socket wrench, Adjustable ratchet. A. Gauntner, jr. 1,746,150; Feb. 4.
 Socket-wrench connection. J. H. Faw. 1,746,387; Feb. 11.
 Socket-wrench set. J. Kneier. 1,750,011; Mar. 11.
 Socket-wrench set. C. E. Wakefield, J. P. Fleming, and J. F. Oliver. 1,760,799; May 27.
 Sockets, Center contact for. H. J. Morey. 1,743,374; Jan. 14.
 Soda solution of cellulose, Caustic-. O. Leuchs. 1,755,657; Apr. 22.
 Soda-water-dispensing machine. E. J. Lind. 1,746,597; Feb. 11.
 Sodium aluminate, Manufacture of. J. V. N. Dorr, G. M. Darby, A. Terry, jr., and H. N. Spicer. 1,747,759; Feb. 18.
 Sodium borate tri-sodium phosphate compound and its manufacture. C. F. Booth, A. B. Gerber, and P. Logue. 1,759,152; May 20.
 Sodium salicylates, Making. M. E. Putnam. 1,755,362; Apr. 22.
 Sodium sesquicarbonate, Producing. C. Sundstrom and G. N. Terziev. 1,748,739; Feb. 25.
 Sodium stannate, Producing. W. T. Little. 1,787,078; Dec. 30.
 Sodium sulphate deposits, Working natural. G. F. Andersen. 1,751,901; Mar. 25.
 Sodium sulphide drops and making them. F. Meyer. 1,774,560; Sept. 2.
 Sodium sulphite from spent sulphite liquors, Recovery of. P. A. Barbou. 1,765,560; June 24.
 Sodium thiosulphate, Production of. H. Howard. 1,760,137; May 27.
 Sod-trimming machine. H. T. Werk. 1,761,858; June 3.
 Sofa. L. Bell. 1,772,979; Aug. 12.
 Sofa. L. Bernhard. Des. 80,600; Mar. 4.
 Soft spring cushion. H. E. Wolf. 1,765,044; June 17.
 Softener for cellulose derivatives. H. A. Bruson. 1,761,813; June 3.
 Soil pipe. J. J. Crotty. 1,781,682; Nov. 18.
 Soil-tilling device. H. H. Glasier. 1,751,694; Mar. 25.
 Soil treatment, Apparatus for. C. A. Brewer. 1,777,391; Oct. 7.
 Soil-working combine. C. F. Rose. 1,751,887; Mar. 25.
 Solar bath. E. Kempton. 1,772,219; Aug. 5.
 Solar radiations for therapeutic purposes, Apparatus for utilizing. A. P. Ousdal. 1,784,382; Dec. 9.
 Solder to can caps, Applying. G. A. Smith. 1,773,323; Aug. 19.
 Soldering. G. Brunhübner. 1,764,604; June 17.
 Soldering. H. S. George. 1,753,509; Apr. 8.
 Soldering. H. S. McQuaid. 1,785,134; Dec. 16.
 Soldering apparatus. R. J. Emmert. 1,750,312; Mar. 11.
 Soldering apparatus. O. Sieper. 1,777,233; Sept. 30.
 Soldering contact points. M. M. Austin and L. R. J. Warner. 1,748,938; Mar. 4.
 Soldering, Continuous. M. Orenstein. 1,783,134; Nov. 25.
 Soldering device. D. H. Bottrill. 1,747,419; Feb. 18.
 Soldering device. J. F. Schylander. 1,749,512; Mar. 4.
 Soldering device, Electric. L. H. Moulthrop. 1,767,607; June 24.
 Soldering flux. C. D. Lawhon. 1,748,180; Feb. 25.
 Soldering flux. H. C. Mougey. 1,783,925; Dec. 2.
 Soldering iron. N. Morris. 1,763,900; June 17.
 Soldering iron. R. Palmer. 1,760,519; May 27.
 Soldering iron. F. R. Raymond. 1,768,147; June 24.
 Soldering iron. J. F. Schylander. 1,749,396; Mar. 4.
 Soldering irons, Tinning and cleaning. C. F. Hamilton. 1,772,283; Aug. 5.
 Soldering machine. O. V. Badgley. 1,753,639; Apr. 8.
 Soldering machine. S. L. Casella and O. K. Reinhardt. 1,743,755; Jan. 14.
 Soldering machine, Automatic. J. E. Ferguson, R. W. Conn, and W. A. Hoffman. 1,783,642; Dec. 2.
 Soldering machine, Electric. J. Cunningham. 1,751,509; Mar. 25.
 Soldering machine, Electric. C. Reiter and M. Stäger. 1,749,719; Mar. 4.
 Soldering machine, Electric. D. K. Wright. 1,749,684; Mar. 4.
 Soldering machine, Key-. G. A. and G. V. Bardet. 1,743,519; Jan. 14.
 Soldering pastes, Manufacture of. G. Knoth. 1,772,952; Aug. 12.
 Soldering process. J. H. Nead, E. R. Wehr, and C. C. Mahlie. 1,743,615; Jan. 14.
 Soldering solution. V. Habib. 1,775,197; Sept. 9.
 Soldering the links of wire chains or chain mesh. J. Wenz, G. Brunhübner, and J. Alvera. 1,775,839; Sept. 16.
 Sole. H. E. Chrisfield. Des. 80,256; Jan. 7.
 Sole. H. E. Chrisfield. Des. 80,433; Feb. 4.
 Sole-cementing machine. W. H. Shuffebarger. 1,754,056; Apr. 8.
 Sole laying. G. R. Coyne. 1,768,829; July 1.
 Sole-laying device. A. Demnitz. 1,745,984; Feb. 4.
 Sole-laying machines, Pressing device for. F. W. Christy and J. A. Torrey. 1,743,845; Jan. 14.
 Sole-lacing machine. E. W. Stacey. 1,771,018; July 22.
 Sole, Metatarsal half. W. C. Burns. 1,776,750; Sept. 23.
 Sole plate for golf clubs. A. E. Buhrke. 1,774,590; Sept. 2.
 Sole plate for points. T. A. Becker. 1,772,201; Aug. 5.
 Sole, Pneumatic rubber shoe. H. A. Freeman. 1,777,558; Oct. 7.
 Sole-pressing machine. W. C. Stewart. 1,771,019; July 22.
 Sole-rounding machine. R. B. Woodcock and T. A. Kestell. 1,782,494; Nov. 25.
 Sole rounding or trimming and channelling machine. M. T. Denne. 1,756,116; Apr. 29.
 Sole-setting machine. A. Demnitz. 1,758,784; May 13.
 Sole, Shoe. M. S. Klein. Des. 81,186; May 13.

- Sole, Shoe. M. L. Paterson. Des. 80,540; Feb. 18.
 Sole, Spring. R. V. Creery. 1,742,460; Jan. 7.
 Sole stitcher. J. B. Birrer. 1,752,722; Apr. 1.
 Sole surface of a foot, Apparatus for observing the. J. May. 1,743,469; Jan. 14.
 Sole-trimming machine. E. E. Murphy. 1,777,473; Oct. 7.
 Sole-trimming machine. P. J. Wentworth. 1,773,559; Aug. 19.
 Sole-waxing machine. W. A. Copeland. 1,757,449; May 6.
 Soles and soles so treated, Method and apparatus for treating. H. A. Davenport and N. F. Hopkins. 1,772,038; Aug. 5.
 Soles, Channeling. W. S. Shaft. 1,755,843; Apr. 22.
 Soles, Method of and machine for making. W. Maxwell and F. W. De Tour. 1,761,020; June 3.
 Soles of boots or shoes, Method of and machine for operating upon the. F. E. Bertrand. 1,747,285; Feb. 18.
 Solenoid construction. P. J. Dugan. 1,743,196; Jan. 14.
 Solenoid-operating mechanism. H. Trencham, H. C. Heath, W. P. Hamlyn, and H. E. Cox. 1,754,069; Apr. 8.
 Solenoid winding. P. Trombetta. 1,752,866; Apr. 1.
 Solid bodies from fluid streams, Device for separating admixed. E. Jahn. 1,746,156; Feb. 4.
 Solid materials, Apparatus for handling. F. B. Allen. 1,775,265; Sept. 9.
 Solids breaking and handling apparatus. F. B. Allen. 1,772,452; Aug. 12.
 Solids from liquids, Apparatus for separating. A. L. Armentrout. 1,749,057; Mar. 4.
 Solids from liquids, Apparatus for the separation of finely divided. J. W. Wickes. 1,754,870; Apr. 15.
 Solids from liquids, Method and apparatus for obtaining. A. B. Jones. 1,758,745; May 13.
 Solids from liquids, Method of and apparatus for separating. A. H. Godbe. 1,763,773; June 17.
 Solids from liquids or liquors by filtration, Apparatus for separating. J. T. Shimmis. 1,752,758; Apr. 1.
 Solids in liquids, Apparatus for the production of dispersions of. W. H. Whatmough. 1,774,910; Sept. 2.
 Soluble substances in a coarse granular condition, Separately recovering. F. Jeremiasen. 1,751,740; Mar. 25.
 Solution for electric condensers, Dipping. P. Neumann. 1,775,136; Sept. 9.
 Solution of cellulose derivatives. A. Knorr. 1,780,883; Nov. 4.
 Solution, Treating mercerizing. W. H. Eggert. 1,743,122; Jan. 14.
 Solutions of cellulose ethers or esters, Apparatus for spinning. M. Klein. 1,767,215-6; June 24.
 Solvent and making the same. J. H. James. 1,782,964; Nov. 25.
 Solvent for cellulose nitrate. J. P. Trickey. 1,756,228; Apr. 29.
 Solvents adapted for use in dry cleaning, Purification of. L. E. Gaume. 1,770,266; July 8.
 Solvents, Manufacture of. J. H. James. 1,782,963; Nov. 25.
 Soot blower. L. C. Whiton, jr., and J. C. Hardigg. 1,786,182; Dec. 23.
 Soot cleaner. F. W. Linaker and T. M. Bruback. 1,748,388; Feb. 25.
 Soot cleaner for boilers. I. Harter. 1,745,484; Feb. 4.
 Soot disposal. R. A. Blunt. 1,747,569; Feb. 18.
 Soot-removing system. A. Girtanner and J. J. McNulta. 1,747,435; Feb. 18.
 Sorbitol and making it, Dehydration product of. J. Müller and U. Hoffmann. 1,757,468; May 6.
 Sorting and feeding machine, Combined. A. Lentz. 1,774,798; Sept. 2.
 Sorting device. P. Schoonenberg and J. J. Hardenberg. 1,770,810; July 15.
 Sorting device. F. L. G. Straubel. 1,764,128; June 17.
 Sorting machine. A. E. Gray. 1,777,882; Oct. 7.
 Sorting machine. J. R. Peirce. 1,777,892; Oct. 7.
 Sorting machine. H. C. Kendall. 1,760,068; May 27.
 Sorting machine. E. E. Winkley. 1,778,054; Oct. 14.
 Sorting or distributing apparatus. J. J. M. L. Marchand and J. C. Andriessen. 1,774,447; Aug. 26.
 Sorting screne. C. C. Larsen. 1,771,541; July 29.
 Sound-absorbing properties, Apparatus for demonstrating. C. F. Burgess. 1,766,103; June 24.
 Sound-absorbing materials, Facing membrane for. H. F. Weiss. 1,785,507; Dec. 16.
 Sound, Absorption of. E. V. Amy. 1,782,399; Nov. 25.
 Sound amplification. S. T. Williams. 1,768,226; June 24.
 Sound amplifier. C. C. Flynn. 1,783,360; Dec. 2.
 Sound amplifier. F. C. Hinckley. 1,754,425; Apr. 15.
 Sound amplifier. C. H. Larsson. 1,743,784; Jan. 14.
 Sound amplifier. T. Lindenberg. 1,781,465; Nov. 11.
 Sound amplifier for radlocabinets. J. W. Small. 1,745,511; Feb. 4.
 Sound-amplifying apparatus. A. A. Thomas. 1,758,986; May 20.
 Sound-amplifying device. H. W. Thayer. 1,753,672; Apr. 8.
 Sound-amplifying means. F. C. Hinckley. 1,785,553; Dec. 16.
 Sound and electrical impulses, Apparatus for the interconversion of. F. C. Barton. 1,748,858; Feb. 25.
 Sound and electrical impulses, Apparatus for the interconversion of. A. G. Zimmerman. 1,774,465; Aug. 26.
 Sound, Apparatus for photographically recording and reproducing. T. H. Nakken. 1,767,547; June 24.
 Sound, Apparatus for reproducing. L. C. Grant. 1,770,234; July 8.
 Sound, Apparatus for producing. E. C. Guedon. 1,756,860; Apr. 29.
 Sound, Arrangement for determining the direction of. H. Hecht, H. Lichte, and F. Wolf. 1,746,424; Feb. 11.
 Sound, Binaural recording and reproducing. L. de Forest. 1,769,907; July 1.
 Sound box of gramophone and like sound-reproducing machines. A. L. Collins. 1,771,111; July 22.
 Sound-damping device. W. B. Hollingshead. 1,768,766; July 1.
 Sound deadener, Rail-expansion. A. C. Fischer. 1,771,079; July 22.
 Sound deadener, Rail-expansion. H. W. Herbst. 1,771,078; July 22.
 Sound-deadening device. F. D. Holdsworth. 1,774,178; Aug. 26.
 Sound-deadening device. J. J. Kocher. 1,745,171; Jan. 28.
 Sound-deadening plate and making same. W. Genest. 1,751,320; Mar. 18.
 Sound device. F. I. Lauter. 1,742,266-7; Jan. 7.
 Sound device for stringed instruments. F. Frankel. 1,777,260; Sept. 30.
 Sound-direction-determining apparatus. C. Von Hofe. 1,762,102; June 3.
 Sound distributor. E. H. Schleiffers. 1,757,145; May 6.
 Sound-emitting device. S. Ruben. 1,751,888; Mar. 25.
 Sound instrument. H. A. Myers. 1,759,954; May 27.
 Sound-insulated building. B. E. Baldus. 1,778,412; Oct. 14.
 Sound into electrical energy, Apparatus for transforming. H. C. Hayes. 1,749,284-5; Mar. 4.
 Sound-locating apparatus. H. B. Ely. 1,758,393; May 13.
 Sound-making device. J. B. Van Doren. 1,779,506; Oct. 28.
 Sound or vibration transmitting apparatus. E. Wensley. 1,752,515; Apr. 1.
 Sound producer. C. C. Farmer. 1,746,034; Feb. 4.
 Sound producing and controlling system. R. J. Pomeroy. 1,749,301; Mar. 4.
 Sound-producing device. A. B. Cosgrave. 1,777,283; Oct. 7.
 Sound-producing device. L. J. Grubman. 1,774,055; Aug. 26.
 Sound-producing device. C. R. Hanna. 1,768,903; July 1.
 Sound-producing device. H. G. Neely. 1,746,959; Feb. 11.
 Sound-producing device. W. B. Potter. 1,754,044; Apr. 8.
 Sound-producing device. A. P. Young and J. Hutt. 1,759,725; May 20.
 Sound-producing device, Subaqueous. A. du Bois-Reymond and W. Rudolph. 1,753,368; Apr. 8.
 Sound-producing devices. J. M. High, jr. 1,763,056; June 10.
 Sound-producing instrument. P. L. Haims. 1,787,196; Dec. 30.
 Sound-propagating diaphragm. J. P. Gaty. 1,768,473; June 24.
 Sound-propagating diaphragm. M. R. Hutchison. 1,786,949; Dec. 30.
 Sound-propagating diaphragm. M. R. Hutchison. 1,787,003; Dec. 30.
 Sound-ranging system. G. R. Lum. 1,753,346; Apr. 8.
 Sound receiver. H. C. Hayes. 1,743,071; Jan. 7.
 Sound receiver. H. C. Hayes. 1,755,583; Apr. 22.
 Sound record. J. C. Kroesen. 1,776,123; Sept. 16.
 Sound record. E. I. Sponable. 1,776,049; Sept. 16.
 Sound recorder. C. F. Wiebusch. 1,784,860; Dec. 16.
 Sound recorder and reproducer, Electrodynamical. B. E. Eisenhour. 1,781,376; Nov. 11.
 Sound recording. W. C. Jones. 1,763,891; June 17.
 Sound recording. C. R. Keith. 1,743,456; Jan. 14.
 Sound recording. R. C. Mathes. 1,763,169; June 10.
 Sound, Recording. A. E. Sykes. 1,743,251; Jan. 14.
 Sound recording. R. V. Terry. 1,768,273; June 24.
 Sound, Recording and reproducing. L. De Forest. 1,769,908; July 1.
 Sound recording and reproducing apparatus. W. F. Croll. 1,758,559; May 13.
 Sound recording and reproducing apparatus. C. L. Heisler. 1,786,301; Dec. 23.
 Sound recording and reproducing apparatus. E. W. Kellogg. 1,780,681; Nov. 4.
 Sound recording and reproducing apparatus. R. H. Townsend. 1,765,889; June 24.
 Sound recording and reproducing apparatus, Electrical. C. Huenrich. 1,762,175; June 10.
 Sound recording and reproducing machine. L. A. Elmer. 1,747,866; Feb. 18.
 Sound-recording apparatus. B. J. Chromy. 1,763,220; June 10.
 Sound-recording apparatus. J. D. Feher. 1,772,990; Aug. 12.
 Sound-recording apparatus for use in educational motion-picture programs. E. H. Foley. 1,750,172; Mar. 11.
 Sound-recording machine. A. W. Geyer. 1,764,786; June 17.
 Sound-recording system. E. C. Wente. 1,784,858; Dec. 16.
 Sound records, Apparatus for reproducing photographic. F. H. Owens. 1,786,027; Dec. 23.
 Sound reproducer. L. E. Baltzley. 1,757,107; May 6.
 Sound reproducer. R. L. Brown. 1,775,064; Sept. 2.
 Sound reproducer. E. Freund. 1,752,981; Apr. 1.
 Sound reproducer. H. C. Harrison. 1,778,386; Oct. 14.

- Sound reproducer. V. A. Schlenker. 1,771,318; July 22.
 Sound reproducer. E. H. Smythe. 1,759,328; May 20.
 Sound reproducer, Electric. M. Weil. 1,779,223; Oct. 21.
 Sound reproducer. I. Wolff. 1,758,993; May 20.
 Sound reproducer, Electromagnetic. R. L. Brown. 1,779,728; Oct. 28.
 Sound reproducer, Electromagnetic. K. K. Jensen. 1,750,009; Mar. 11.
 Sound reproducer, Electromagnetic. G. Maehren. 1,751,284; Mar. 18.
 Sound reproducer for phonographs. F. B. Reed. 1,752,201; Mar. 25.
 Sound reproducer for the deaf. C. A. Rath. 1,766,146; June 24.
 Sound reproducer, Push-pull electrostatic. W. D. Crozier. 1,764,008; June 17.
 Sound reproducing and recording device. J. T. Serduke. 1,768,377; June 24.
 Sound-reproducing apparatus. H. C. Bradshaw and M. J. De Forest. 1,780,899; Nov. 11.
 Sound-reproducing apparatus. N. J. Caputo. 1,775,510; Sept. 9.
 Sound-reproducing apparatus. F. C. P. Henroteau. 1,747,936; Feb. 18.
 Sound-reproducing apparatus. T. Lindenberg. 1,742,402; Jan. 7.
 Sound-reproducing apparatus. H. J. Murray. 1,765,029; June 17.
 Sound-reproducing apparatus. Le R. W. Staunton. 1,756,838; Apr. 29.
 Sound-reproducing apparatus. M. Weil. 1,772,882; Aug. 12.
 Sound-reproducing apparatus, Continuous. L. J. Andres. 1,780,414; Nov. 4.
 Sound-reproducing apparatus, Electric. A. A. Thomas. 1,742,832; Jan. 7.
 Sound-reproducing apparatus, Electromagnetic. W. C. Anderson. 1,779,722; Oct. 28.
 Sound-reproducing apparatus, Photographic. F. H. Owens. 1,774,759; Sept. 2.
 Sound-reproducing device. L. M. Clement. 1,762,090; June 3.
 Sound-reproducing device. L. de Forest. 1,766,612; June 24.
 Sound-reproducing device. H. C. Mueller. 1,767,546; June 24.
 Sound-reproducing device. M. Nystrom. 1,783,385; Dec. 2.
 Sound-reproducing device. E. S. Pridham and P. L. Jensen. 1,745,118; Jan. 28.
 Sound-reproducing devices, Suspension means for. D. H. Johnson. 1,778,671; Oct. 14.
 Sound-reproducing diaphragm. N. S. Focht. 1,743,767; Jan. 14.
 Sound-reproducing instrument. B. Kwartin. 1,748,515; Feb. 25.
 Sound-reproducing instrument. F. M. Robb. 1,785,915; Dec. 23.
 Sound-reproducing machine. M. Hoffman. 1,768,200; June 24.
 Sound-reproducing machine. G. Kende. 1,780,194; Nov. 4.
 Sound-reproducing machine. L. Shapiro. 1,762,247; June 10.
 Sound-reproducing machine, Automatic. S. Kohn. 1,754,897; Apr. 15.
 Sound-reproducing mechanism. P. A. Robbins. 1,764,120; June 17.
 Sound-reproducing mechanism for radios. A. M. Kennedy. 1,780,788; Nov. 4.
 Sound-reproducing system. A. C. Keller. 1,784,839; Dec. 16.
 Sound-reproducing system. J. O. Prescott and F. A. Kolster. 1,766,046; June 24.
 Sound reproduction. A. Poulsen and A. C. G. Petersen. 1,747,261; Feb. 18.
 Sound-source-locating means. L. F. Merrill. 1,786,859; Dec. 30.
 Sound, System for electrically transmitting and reproducing. J. L. Reynolds. 1,785,048; Dec. 16.
 Sound-transforming apparatus. A. A. M. A. Kalmeijer. 1,765,276; June 17.
 Sound-translating system. H. C. Harrison. 1,757,459; May 6.
 Sound transmitter, Electric. A. A. Thomas. 1,759,967; May 27.
 Sound waves, Apparatus for radiating. R. D. Fay. 1,780,349; Nov. 4.
 Sound waves, Method and apparatus for recording and reproducing. B. Kwartin. 1,759,581; May 20.
 Sounding apparatus. B. R. Stephenson. 1,749,928; Mar. 11.
 Sounding board. M. R. Hutchison. 1,767,678; June 24.
 Sounding board. F. R. Leland and E. C. Charles. 1,747,307; Feb. 18.
 Sounding board, Reinforced. M. R. Hutchison. 1,787,002; Dec. 30.
 Sounding device. D. G. Dedrick. 1,782,139; Nov. 18.
 Sounding device. F. I. Lauter. 1,769,584; July 1.
 Sounding device. A. W. Nichols. 1,761,486; June 3.
 Sounding device. A. W. Nichols. 1,773,543; Aug. 19.
 Sounding device. E. A. Sperry. 1,763,377; June 10.
 Sounds, Apparatus for and method of photographically recording. B. Kwartin. 1,759,580; May 20.
 Sounds, Apparatus for producing. R. A. S. Paget. 1,744,570; Jan. 21.
 Sounds from electric current and inversely, Apparatus for the production of. C. Chilowsky and B. Nagacheff. 1,760,896; June 3.
 Sounds, Generation and synthesis of. R. Zouckermann. 1,749,685; Mar. 4.
 Sounds, Method of and apparatus for increasing the volume of mechanically-reproduced. H. Küchenmeister. 1,775,248; Sept. 9.
 Sounds, Method of and apparatus for recording and reproducing. B. Kwartin. 1,781,550; Nov. 11.
 Space-covering structure, such as roofs, walls, and the like. W. Klingenberg. 1,753,892-3; Apr. 8.
 Space current device. I. E. Mourontseff. 1,765,605; June 24.
 Space discharge apparatus. I. Langmuir. 1,769,846; July 1.
 Space-discharge device, System employing. E. Peterson. 1,762,737; June 10.
 Space-discharge system. A. A. Oswald. 1,757,469; May 6.
 Space discharge system. A. A. Oswald and J. C. Schelleng. 1,768,418; June 24.
 Space heater. A. W. Becker. Des. 82,870; Dec. 23.
 Space heater. A. W. Becker. 1,782,229; Nov. 18.
 Space heater. F. M. Young. 1,753,587; Apr. 8.
 Spacer. A. C. Sherwan. 1,750,286; Mar. 11.
 Spacer, Automatic. C. Fensky and H. J. Readey. 1,758,657; May 13.
 Spacing means for mold forms. F. G. Carlson. 1,767,834; June 24.
 Spade and earth drill, Post. J. M. Kirkpatrick. 1,757,925; May 6.
 Spanner wrench. J. G. Collins. 1,759,186; May 20.
 Spanner wrench. G. R. Gagné. 1,752,074; Mar. 25.
 Spare-wheel carrier. E. K. Baker. 1,765,785; June 24.
 Spark and cinder arrester for steam engines. G. Carpenter. 1,747,619; Feb. 18.
 Spark arrester. W. Adams and C. W. Wickersham. 1,763,643; June 17.
 Spark arrester. G. Carpenter. 1,742,198; Jan. 7.
 Spark arrester. G. Carpenter. 1,746,818; Feb. 11.
 Spark arrester. E. Falkenthal. 1,747,820; Feb. 18.
 Spark arrester. F. E. Fisher. 1,773,035; Aug. 12.
 Spark arrester. S. G. Visker. 1,757,760; May 6.
 Spark arrester and crusher. A. H. Wilms. 1,769,613; July 1.
 Spark gap. H. H. Osborn. 1,764,279; June 17.
 Spark-gap mechanism. J. G. H. Liebel and E. S. Flarsheim. 1,761,082; June 3.
 Spark plug. G. H. E. Berthold. 1,761,865; June 3.
 Spark plug. W. J. Daubenspeck. 1,771,400; July 29.
 Spark plug. P. K. Devers. 1,760,586; May 27.
 Spark plug. M. Eyquem. 1,776,424; Sept. 23.
 Spark plug. B. J. Georgias. 1,748,338; Feb. 25.
 Spark plug. R. T. Hurley. 1,762,989; June 10.
 Spark plug. R. T. Hurley. 1,775,528; Sept. 9.
 Spark plug. E. J. Johnson. 1,754,718; Apr. 15.
 Spark plug. D. V. Powell. 1,776,449; Sept. 23.
 Spark plug. H. Rabezzana. 1,742,733-4; Jan. 7.
 Spark plug. H. Rabezzana. 1,768,330; June 24.
 Spark plug. D. W. Randolph and T. G. McDougal. 1,746,051; Feb. 4.
 Spark plug. J. P. Ritchey. 1,754,648; Apr. 15.
 Spark plug. E. Stern. 1,758,542; May 13.
 Spark plug. P. O. Stewart. 1,783,526; Dec. 2.
 Spark plug. H. T. Zulawinski. 1,744,855; Jan. 28.
 Spark plug, Antifouling. P. O. Stewart. 1,783,525; Dec. 2.
 Spark plug, Shielded. O. C. Rohde. 1,782,745; Nov. 25.
 Spark-plug-shorting device. A. Lieseke. 1,769,440; July 1.
 Spark-plug tester. C. S. Cole. 1,743,881; Jan. 14.
 Spark-plug tester. A. C. Ekle. 1,764,248; June 17.
 Spark-plug tester. J. H. Fischer. 1,745,157; Jan. 28.
 Spark-plug tester. H. Swartz. 1,766,151; June 24.
 Spark-plug-testing device. C. J. Kertesz. 1,774,145; Aug. 26.
 Spark plugs clean, Method of and apparatus for keeping. W. McElroy. 1,754,796; Apr. 15.
 Spark plugs, Manufacturing. A. B. Schupp. 1,751,662; Mar. 25.
 Spark plugs, Terminal-post attachment for. R. G. Lafite. 1,765,868; June 24.
 Spark-retarding apparatus. J. C. Cobee. 1,771,617; July 29.
 Sparking toy. L. V. Aronson. 1,760,622; May 27.
 Speaker. R. J. Pomeroy. 1,761,745; June 3.
 Speaker. H. A. Simpson. 1,746,289; Feb. 11.
 Spear. E. Gray. 1,762,621; June 10.
 Spear. N. Lamoureux. 1,751,090; Mar. 18.
 Spear, Automatic resetting. W. J. Miller. 1,785,590; Dec. 16.
 Spear, Baller. F. J. Hinderliter. 1,749,380; Mar. 4.
 Spear, Collapsible rotary. A. C. Baimbridge, E. Burns, and J. M. Alexander. 1,776,989; Sept. 30.
 Spear, Fish. J. Doyle. 1,776,680; Sept. 23.
 Spear, Trip casing. G. H. Clerkx van Keulen. 1,753,074; Apr. 1.
 Specific-gravity balance. D. O. Lima. 1,787,256; Dec. 30.
 Specific-gravity tester. L. Edelmann. 1,767,439; June 24.
 Spectacle case. A. Stringham. 1,748,430; Feb. 25.
 Spectacle frame. S. E. Bouchard. Des. 82,871; Dec. 23.
 Spectacle frame. A. R. Dias. Des. 82,252; Oct. 14.
 Spectacle frame. J. Gaspari. Des. 80,785; Mar. 25.
 Spectacle frame. J. Gaspari. Des. 82,084; Sept. 23.

- Spectacle frame. D. S. Helm. Des. 80,311; Jan. 14.
Spectacle frame. G. F. Marciano. Des. 80,488; Feb. 11.
Spectacle frame. E. Pappert. Des. 81,499; July 1.
Spectacle frame end piece, Cover plate for. H. W. Grom. Des. 81,535; July 8.
Spectacle frames from tortoise shell and similar valuable material, Manufacturing. E. Kähne. 1,752,953; Apr. 1.
Spectacles. L. Dunkelsberg. 1,779,533; Oct. 28.
Spectacles. H. J. Howell. 1,748,771; Feb. 25.
Spectacles. B. D. Ritholz. 1,747,843; Feb. 18.
Spectacles, Antidazzle. E. T. and F. W. Cornwell. 1,752,889; Apr. 1.
Spectacles, Antiglare. F. L. Costenbader. 1,772,825; Aug. 12.
Speculum, Vaginal. M. H. Damron. 1,783,602; Dec. 2.
Speech transmission. H. W. Dudley. 1,784,825; Dec. 16.
Speed-adjusting device for motor governors. S. W. Roth-ermel and E. W. Hewitt. 1,750,361; Mar. 11.
Speed agitator drive, Differential-. S. Schiff. 1,785,562; Dec. 16.
Speed-change mechanism. J. B. Armitage and F. A. Parsons. 1,743,649; Jan. 14.
Speed-change mechanism, Automatic. F. R. Porter. 1,759,466; May 20.
Speed-change mechanism for transmission gearing, En-gine-clutch-control-actuated. E. R. Burtnett. 1,780,460; Nov. 4.
Speed-changing device. C. L. Meister and C. R. Sugg. 1,785,839; Dec. 23.
Speed-changing mechanism. L. J. Campbell. 1,773,216; Aug. 19.
Speed-changing mechanism. E. G. Kesling. 1,773,902-3; Aug. 26.
Speed-changing mechanism. E. G. Kesling. 1,785,776; Dec. 23.
Speed-changing mechanism. C. Schaeffer. 1,760,080; June 3.
Speed-control apparatus. C. G. Garrigus. 1,782,990; Nov. 25.
Speed-control apparatus for railway cars. C. A. Richmond. 1,765,852; June 24.
Speed-control device, Variable-. H. L. Tanner. 1,784,504; Dec. 9.
Speed control, Veneer-cutter. H. C. Clay and C. L. Irwin. 1,759,438; May 20.
Speed controller. E. C. Carter. 1,761,775; June 3.
Speed-controlling device. F. X. and E. J. Lauterbur. 1,757,124; May 6.
Speed-cup dampener. J. Zubaty. 1,761,954; June 3.
Speed device, Change-. F. C. Thompson. 1,766,414; June 24.
Speed device, Change-. F. C. Thompson. 1,774,618; Sept. 2.
Speed device, Hydraulically-controlled variable-. R. A. Olsen and R. H. Shadrick. 1,758,370; May 13.
Speed drive, Constant. A. A. Clokey. 1,753,331; Apr. 8.
Speed drive for cigarette machines and the like, Variable-. W. B. Bronander. 1,765,822; June 24.
Speed drive for paper-making machines and the like, Va-riable-. F. O. L. Chorlton. 1,776,886; Sept. 30.
Speed drive, Variable-. F. O. L. Chorlton. 1,746,029; Feb. 4.
Speed gauge, Positive. F. W. G. Bruhn. 1,753,547; Apr. 8.
Speed governing device for internal combustion engines, Automatic. A. T. Hamberger. 1,771,437; July 29.
Speed governing for prime movers, System of. H. B. Taylor. 1,783,157; Nov. 25.
Speed-governing mechanism. R. O. Muller. 1,764,463; June 17.
Speed governing, System of. H. B. Taylor. 1,783,162; Nov. 25.
Speed-governor switch. F. G. Creed and R. D. Salmon. 1,773,957; Aug. 26.
Speed head, Thirty-two. H. M. Norris and D. C. Klaus-meyer. 1,746,713; Feb. 11.
Speed-indicating control means. E. F. Martinet. 1,755,185; Apr. 22.
Speed-indicating device. E. H. Grelbach. 1,745,849; Feb. 4.
Speed-indicating device. E. F. Martinet. 1,755,184; Apr. 22.
Speed-indicating mechanism. E. F. Martinet. 1,744,402; Jan. 21.
Speed-indicating system. E. F. W. Alexanderson. 1,747,041; Feb. 11.
Speed indicator. R. C. Sylvander, H. N. Eaton, and W. A. MacNair. 1,779,783; Oct. 28.
Speed indicator and variable synchronizer. R. H. Bahney. 1,781,866; Nov. 18.
Speed indicator, Recording. T. E. Butters. 1,766,741; June 24.
Speed mechanism, Change-. H. McGill. 1,744,564; Jan. 21.
Speed mechanism, Change-. W. W. Peck. 1,770,492; July 15.
Speed mechanism, Multiple-. J. A. Anglada. 1,769,614; July 1.
Speed mechanism, Variable-. J. V. Crichton. 1,782,001; Nov. 18.
Speed mechanism, Variable-. L. A. Larsen. 1,773,490; Aug. 19.
Speed mechanism, Variable-. A. R. Mason and O. C. Fall-ing. 1,750,114; Mar. 11.
Speed mechanism, Variable-. T. Morimoto. 1,760,712; May 27.
Speed of objects and apparatus therefor, Timing the. C. L. Paulus and R. Kauch. 1,779,853; Oct. 28.
Speed power transmission, Differential variable-. L. G. Weylandt. 1,747,497; Feb. 18.
Speed reciprocating mechanism, High-. E. Philiponeau. 1,771,311; July 22.
Speed-regulating device. M. L. Strawn. 1,749,004; Mar. 4.
Speed-regulating device for prime movers. A. Lüthi. 1,760,421; May 27.
Speed regulation of rotating bodies, Apparatus for. W. Scheppmann and A. Eulenhöfer. 1,749,304; Mar. 4.
Speed regulator. H. M. Stoller and E. R. Morton. 1,763,909; June 17.
Speed regulator and method of speed regulation. L. de Florez. 1,749,569; Mar. 4.
Speed regulator for motor vehicles. W. B. Davis. 1,765,659; June 24.
Speed-regulator system. S. A. Staeger. 1,764,422; June 17.
Speed responsive device. C. R. Alden. 1,756,671; Apr. 29.
Speed-responsive device. H. Hoisington. 1,743,919; Jan. 14.
Speed-responsive device. R. G. Richardson. 1,746,794; Feb. 11.
Speed skiff, Hand-propelled. R. Haugan. 1,772,146; Aug. 5.
Speed squirrel-cage motor, Variable-. C. E. Johnson. 1,772,719; Aug. 12.
Speed-transmission device, Variable-. E. F. Hathaway. 1,765,268; June 17.
Speed transmission, Hydraulic change-. J. E. Bittner. 1,765,751; June 24.
Speed transmission mechanism, Multiple-. H. G. Altwater. 1,767,909; June 24.
Speed transmission, Variable. H. A. Cole. 1,785,936; Dec. 23.
Speed transmission, Variable-. S. B. and B. E. Gold. 1,780,475; Nov. 4.
Speed transmission, Variable-. H. B. Greening and J. W. Galloway. 1,787,246; Dec. 30.
Speed transmission, Variable-. C. Sifton. Re17,704; June 17.
Speed transmission, Variable-. T. M. Sigueland. 1,776,339; Sept. 23.
Speed transmission, Variable-. E. K. Standish. 1,762,199; June 10.
Speed variations, Apparatus for indicating. P. Paschen and W. Gebhardt. 1,783,000; Nov. 25.
Speed wrench. F. A. Hirsch. 1,762,515; June 10.
Speedograph. F. L. Felty. 1,753,923; Apr. 8.
Speedometer. R. O. Helgeby. 1,760,844; May 27.
Speedometer. R. O. Helgeby. 1,783,918; Dec. 2.
Speedometer. D. H. Sweet. 1,761,694; June 3.
Speedometer. C. T. Wallis. 1,750,337; Mar. 11.
Speedometer case. A. Champion. 1,757,411; May 6.
Speedometer drive clamp. E. A. Gustafson. 1,783,917; Dec. 2.
Speedometer drive for motor cycles. M. E. Jones. 1,761,833; June 3.
Speedometer light. F. W. Elworthy. 1,747,355; Feb. 18.
Speedometer-magnet mounting. J. Zubaty. 1,761,956; June 3.
Speedometer-testing machine. E. E. Townsend. 1,782,914; Nov. 25.
Speedometers, Location and design of a magnet for. R. O. Helgeby. 1,761,918; June 3.
Speedometers, Mounting means for. J. Zubaty. 1,761,955; June 3.
Spelter-removing apparatus. R. R. Bloss, R. C. Steffen, and S. B. Creamer. 1,779,366; Oct. 21.
Spice-container rack. R. Silberger. 1,759,140; May 20.
Spice dredge. C. J. Aulbach and W. F. Punte. 1,767,781; June 24.
Spice rack. J. Winter. 1,746,137; Feb. 4.
Spike, Distributor. P. G. Gaddis. 1,755,251; Apr. 22.
Spike-drawing device. J. F. Straube. 1,782,487; Nov. 25.
Spike extractor. F. A. Jimerson. 1,771,712; July 29.
Spike, Railroad. R. W. Warnken. 1,761,854; June 3.
Spike-shaft rolled-beef machine. A. Gerstenkorn. 1,773,581; Aug. 19.
Spindle: See—
Gelatin-band spindle.
Spindle and wheel thereon. W. J. Metzger. 1,748,653; Feb. 25.
Spindle device, Slip. A. A. Herzberg and H. O. Schultz. 1,781,109; Nov. 11.
Spindle drive for spinning frames. J. W. Randall. 1,762,351; June 10.
Spindle feed, Head-carried gear train for. D. C. Klaus-meyer. 1,744,000. Jan. 14.
Spindle-feeding means. D. C. Klausmeyer. 1,746,266; Feb. 11.
Spindle for chuck devices. G. W. Emrick. 1,764,289; June 17.
Spindle for door latches, Split. W. R. Schlage. 1,759,375; May 20.
Spindle for engaging and winding textile fabric. C. W. Coker. 1,759,095; May 20.
Spindle for spring motors, Adjustable winding. E. Knecht. 1,763,792; June 17.
Spindle machine, Automatic multiple-. L. H. Blood. 1,777,251; Sept. 30.

- Spindle rotary turning machine, Multiple-. J. J. Morris. 1,743,862; Jan. 14.
- Spindle screw machines, Chuck-operating mechanism for automatic. C. Q. Garey. 1,783,565; Dec. 2.
- Spindles in textile-spinning machines, Driving. J. Berlinerbau. 1,784,719; Dec. 9.
- Spindles, Method of and mechanism for stopping rotary shaper. R. L. Smith. 1,776,238; Sept. 16.
- Spindles, Stopping mechanism for electrically-driven. F. S. McQueston. 1,776,236; Sept. 16.
- Spine shafts, Finishing. F. T. Ellis. 1,780,747; Nov. 4.
- Spinel colored like a Brazilian emerald, Synthetic. E. G. Sandmeier. 1,775,869; Sept. 16.
- Spinel gem resembling blue zircon, Synthetic. E. G. Sandmeier. 1,775,870; Sept. 16.
- Spinel, Synthetic green. E. G. Sandmeier. 1,775,868; Sept. 16.
- Spinnable slivers from artificial filaments and apparatus therefor, Forming. M. F. Thoma. 1,768,221; June 24.
- Spinner for fish lures. S. M. Wright and A. D. McGill. 1,758,344; May 13.
- Spinnerets, Method and tool for cleaning. O. Ohlson. 1,752,689; Apr. 1.
- Spinning and twisting machine. J. J. Keyser. 1,765,236; June 17.
- Spinning and twisting machine. J. J. Keyser. 1,781,584; Nov. 11.
- Spinning and twisting machine. J. J. Keyser. 1,786,348; Dec. 23.
- Spinning and twisting machine. J. S. Rabert. 1,774,666; Sept. 2.
- Spinning and twisting machine. J. S. Rabert. 1,785,560; Dec. 16.
- Spinning and twisting machines on the breaking of the thread, Device for stopping delivery in. J. von Trümbach. 1,786,275; Dec. 23.
- Spinning boxes, Drive connection for artificial-silk-. J. Breakell and H. M. La Brie. 1,746,187; Feb. 4.
- Spinning frame. M. Hain. 1,776,854; Sept. 30.
- Spinning frame. C. Morton. 1,783,301; Dec. 2.
- Spinning frames, Automatic stop motion for. D. W. Davis. 1,757,295; May 6.
- Spinning frames, Builder mechanism for. S. H. Helland. 1,747,974; Feb. 18.
- Spinning frames, Draft-roll construction for. H. A. Owen. 1,757,586; May 6.
- Spinning frames, Leveling and lining. A. M. Guillet. 1,747,665; May 13.
- Spinning frames, Separator support for. F. K. Hendrickson. 1,747,975; Feb. 18.
- Spinning frames, Twister tube for. A. Ambye. 1,752,878; Apr. 1.
- Spinning frames, Twister tube for. H. A. Owen. 1,770,085; July 8.
- Spinning machine. J. Brenzinger. 1,768,231; June 24.
- Spinning machine. H. Garth, J. Longbottom, F. Burns, L. and W. C. Just. 1,757,796; May 6.
- Spinning machine. W. Gross. 1,743,601; Jan. 14.
- Spinning machine. H. H. Leonard. 1,746,433; Feb. 11.
- Spinning machine. S. Moorhouse. 1,778,907; Oct. 21.
- Spinning machine. A. Strader. 1,758,864; May 13.
- Spinning machine. J. van den Abeele. 1,752,869; Apr. 1.
- Spinning machine, Artificial-silk-. P. Hillebrand. 1,781,231; Nov. 11.
- Spinning machine, Metal-. J. L. Adams, jr. 1,757,824; May 6.
- Spinning machines and the like, Pressure rollers for. J. Motte. 1,742,553; Jan. 7.
- Spinning machines and twisting frames, Spindle drive for. H. Hamel. 1,747,668; Feb. 18.
- Spinning machines, Driving means for the rollers of. P. Devaux. 1,784,659; Dec. 9.
- Spinning machines, Pumping unit for artificial-silk-. C. W. Lawser. 1,783,439; Dec. 2.
- Spinning machines, Silk flyer for. H. M. Fenstermaker. 1,760,941; June 3.
- Spinning material, Extraction of foreign bodies from. E. Gminder. 1,764,680; June 17.
- Spinning, Method of and system for producing great draft in. E. Gminder. 1,748,712; Feb. 25.
- Spinning mules, spinning frames, and preparatory machines, Drawing device for. J. Pfimlin. 1,749,156; Mar. 4.
- Spinning pot or centrifuge. C. L. Hoey. 1,759,699; May 20.
- Spinning process for polychromatic yarns, Device for said process, and the product of said process. O. Hoffmann. 1,759,260; May 20.
- Spinning ring and traveler. C. F. Merrill. 1,745,835; Feb. 4.
- Spinning ring, Self-lubricating. H. E. Herr. 1,745,795; Feb. 4.
- Spinning-ring traveler. E. Hartley. 1,746,154; Feb. 4.
- Spinning stop motion. F. T. Noah. 1,753,247; Apr. 8.
- Spinning tongs. J. B. Palmer. 1,760,167; May 27.
- Spiral conveyer coupling. R. W. Ryder. 1,761,591; June 3.
- Spiral welded pipe, Making. A. J. Hand. 1,774,000; Aug. 26.
- Spirit and yeast, particularly by working up molasses, Manufacture of. F. Simmer. 1,774,406; Aug. 26.
- Spit. E. N. Halstead. 1,755,646; Apr. 22.
- Spittoon of variable height fit for dentists or physicians. L. Wurld. 1,783,688; Dec. 2.
- Splash guard for road vehicles, Lateral. W. Burns. 1,780,640; Nov. 4.
- Splice bar or fishplate. L. S. Wilbur. 1,753,762-3; Apr. 8.
- Splice bar or fishplate. L. S. Wilbur. 1,783,351-3; Dec. 2.
- Splice bar or fishplate. L. S. Wilbur. 1,785,850; Dec. 23.
- Splice bar, Stress-balanced. B. G. Braine. 1,781,432; Nov. 11.
- Splice for poles for scaffolding. F. G. Kingston. 1,749,637; Mar. 4.
- Splice joint, Trolley-wire. S. J. Evans. 1,754,991; Apr. 15.
- Splicing machine for thread and yarn. H. J. Murphy. 1,777,218; Sept. 30.
- Splicing mold. R. B. Guillbault. 1,751,811; Mar. 25.
- Splicing structure for different-type rails. C. A. Disbrow. 1,771,528; July 29.
- Spline teeth. D. Dunwoodie. 1,779,805; Oct. 28.
- Spinning machine. C. W. Carr and E. I. Tripp. 1,785,728; Dec. 23.
- Splint, Adjustable. E. G. Kettelkamp. 1,768,770; July 1.
- Splint, Surgical. T. S. Wilkes. 1,780,959; Nov. 11.
- Split segmental washer. A. F. Gillet. 1,784,667; Dec. 9.
- Split shake. F. L. Dietz. 1,775,450; Sept. 9.
- Splitting and checking machine for the treatment of skins. B. A. L. Borione. 1,775,666; Sept. 16.
- Splitting machine. H. A. Ballard. 1,769,935; July 8.
- Splitting machine. M. Liron. 1,744,127; Jan. 21.
- Splitting machine. G. A. Schettler. 1,749,891; Mar. 11.
- Splitting open, cleaning, and removing the gills from herrings, Apparatus for. R. Baader. 1,744,726; Jan. 28.
- Spoke. M. J. and P. P. Adams. 1,785,171; Dec. 16.
- Spoke and its manufacture, Metal. E. H. Arnold. 1,753,307; Apr. 8.
- Spoke-end-cap construction. J. H. Hunt. 1,787,075; Dec. 30.
- Sponge. G. W. Blair. 1,748,406; Feb. 25.
- Sponge pad. R. C. Zuckerman. 1,786,513; Dec. 30.
- Spool. G. D. Atwood. 1,744,606; Jan. 21.
- Spool. H. D. Clinton. 1,769,416; July 1.
- Spool and the like, Metal. T. G. Baxenden and J. R. Collyear. 1,748,859; Feb. 25.
- Spool end. J. H. Kjellstrom. 1,754,274; Apr. 15.
- Spool for tube frames and the like, Yarn. Walter Bixby. 1,760,809; May 27.
- Spool-holding device. M. A. Landsberg. 1,758,707; May 13.
- Spool or bobbin. L. C. Baldwin. 1,781,801; Nov. 18.
- Spool or reel. E. H. Kneen. 1,758,229; May 13.
- Spool rack. H. Burzi. 1,768,030; June 24.
- Spool winder. C. H. Collins and E. D. Jansen. 1,759,002; May 20.
- Spooler guide rods, Attachment for. L. T. Houghton. 1,758,604; May 13.
- Spooling and winding machines, Thread guide for. L. T. Houghton. 1,749,940; Mar. 11.
- Spooling device. E. H. Taylor. 1,763,871; June 17.
- Spoon. E. M. Bolton. 1,781,973; Nov. 18.
- Spoon and clip, Combined. F. Phillipson. 1,784,880; Dec. 16.
- Spoon, Beater. G. A. Carlson. 1,784,575; Dec. 9.
- Spoon, Dental. A. Harder. 1,759,746; May 20.
- Spoon, Fishing. G. H. Tozier. 1,769,083; July 1.
- Spoon-holding clip. A. J. Eckelman. 1,752,522; Apr. 1.
- Spoon hook. J. C. Yates. 1,754,073; Apr. 8.
- Spoon hook. J. C. Yates. 1,763,031; June 10.
- Spoon, Ice-cream. P. E. Chapman. 1,763,389; June 10.
- Spoon or analogous article. A. J. Flauder. Des. 80,887; Apr. 8.
- Spoon or analogous article. H. E. Nock. Des. 81,593; July 15.
- Spoon or similar article. G. N. Allen and C. A. Bennett. Des. 81,317; June 10.
- Spoon or similar article. G. N. Allen and C. A. Bennett. Des. 81,367; June 17.
- Spoon or similar article. G. N. Allen and L. V. M. Helander. Des. 81,219; May 27.
- Spoon or similar article. G. N. Allen and L. V. M. Helander. Des. 81,316; June 10.
- Spoon or similar article. G. N. Allen and L. V. M. Helander. Des. 81,368; June 17.
- Spoon or similar article. G. N. Allen and L. V. M. Helander. Des. 81,569; July 15.
- Spoon or similar article. G. N. Allen and E. H. Kreps. Des. 71,613-14; July 22.
- Spoon or similar article. G. N. Allen and E. H. Kreps. Des. 82,472; Nov. 11.
- Spoon or similar article. G. N. Allen, M. G. Parker, and E. H. Kreps. Des. 82,719; Dec. 9.
- Spoon or similar article. G. N. Allen, M. G. Parker, and C. M. Price. Des. 82,301; Oct. 21.
- Spoon or similar article. I. C. Barousse. Des. 80,431; Feb. 4.
- Spoon or similar article. L. A. Brown. Des. 81,521; July 8.
- Spoon or similar article. H. Hillbom. Des. 80,312; Jan. 14.
- Spoon or similar article. G. P. Ittig. Des. 80,762; Mar. 18.
- Spoon or similar article. G. P. Ittig. Des. 81,241; May 27.
- Spoon or similar article. B. P. Jenks. Des. 82,031; Sept. 16.
- Spoon or similar article. A. G. Kintz. Des. 82,034; Sept. 16.

- Spoon or similar article. F. W. Koonz. Des. 80,274; Jan. 7.
- Spoon or similar article. J. Leech. Des. 80,276; Jan. 7.
- Spoon or similar article. A. H. Staf. Des. 82,457; Nov. 4.
- Spoon or similar article. J. E. Straker. Des. 80,336; Jan. 14.
- Spoon or similar article. W. S. Warren. Des. 80,592; Feb. 25.
- Spoon or similar article. W. S. Warren. Des. 80,817-8; Mar. 25.
- Spoon, Trolling. G. K. Richardson. 1,742,934; Jan. 7.
- Sport ball, Inflatable. J. E. Dorward. 1,756,056; Apr. 29.
- Sport jumping apparatus. A. F. Godefroy. 1,781,506; Nov. 11.
- Sporting gun, Rib for. R. von Frommer. Des. 80,341; Jan. 14.
- Sports implements and apparatus therefor, Manufacture of. S. M. Jacob and J. H. Field. 1,742,394; Jan. 7.
- Spot electroplating. J. A. Flanzer. 1,773,135; Aug. 19.
- Spotlamp for automobiles and the like. R. H. Hummert. 1,751,863; Mar. 25.
- Spotlight. G. W. Aldeen. 1,756,530; Apr. 29.
- Spotlight. J. S. Gullborg. 1,754,512; Apr. 15.
- Spotlight. O. M. Kirlin. 1,767,373; June 24.
- Spotlight-adjusting mechanism. R. Miller. 1,775,436; Sept. 9.
- Spotlight and hinge structure, Combined. R. J. Burton. 1,764,605; June 17.
- Spotlight attachment. H. H. Moreton. 1,746,735; Feb. 11.
- Spotlight attachment. H. H. Moreton. 1,783,516; Dec. 2.
- Spotlight for automobiles, Dirigible. F. M. Bodoh. 1,774,697; Sept. 2.
- Spotting table. H. Chicknavorian. 1,761,706; June 3.
- Spout and diverter, Combination. D. H. Bowlzer. 1,763,877; June 17.
- Spout, Delivery. R. A. Morton. 1,745,110; Jan. 28.
- Spout, Dispensing. C. E. Schindler. 1,779,049; Oct. 21.
- Spout for containers. H. M. Nicholls. 1,773,846; Aug. 26.
- Spout for containers, Pouring. C. J. Aubach. 1,768,098; June 24.
- Spout, Grain-elevator. W. Thomas. 1,743,939; Jan. 14.
- Spout, Loading. E. Luedtke. 1,774,800; Sept. 2.
- Spout, Pouring. L. Lévy. 1,749,253; Mar. 4.
- Spout sampler. W. C. Wheeler. 1,762,253; June 10.
- Spray booth. F. Charavay. 1,760,344; May 27.
- Spray-coating exhaust system. E. G. Whitmore. 1,748,161; Feb. 25.
- Spray-coating exhaust system. E. G. Whitmore. 1,774,072; Aug. 26.
- Spray coating, Process and apparatus for. H. R. Darling. 1,746,228; Feb. 4.
- Spray-control appliance. L. W. Beck. 1,745,972; Feb. 4.
- Spray-control device, Lawa-. J. H. Allen. 1,778,994; Oct. 21.
- Spray-cooling device. L. T. Mart. 1,784,019; Dec. 9.
- Spray device. A. B. Hale. 1,757,628; May 6.
- Spray device. J. A. Lusier. 1,769,266; July 1.
- Spray-drying apparatus. W. S. Bowen. 1,753,915; Apr. 8.
- Spray drier. W. O. Frohring and W. F. Richards. 1,754,941; Apr. 15.
- Spray drier and burner, Combined. I. Hechenbleikner. 1,782,822; Nov. 25.
- Spray gun. W. R. Brown. 1,744,037; Jan. 21.
- Spray gun. W. F. Gradolph. 1,762,552; June 10.
- Spray gun. A. B. Hull. 1,747,670; Feb. 18.
- Spray gun. J. C. Hull. 1,757,195; May 6.
- Spray gun. E. H. Stephan. 1,762,282; June 10.
- Spray gun. W. B. Thompson. 1,779,922; Oct. 28.
- Spray gun. C. L. Tittlemore. 1,743,292; Jan. 14.
- Spray gun, Compression. I. W. P. Buchanan. 1,744,208; Jan. 21.
- Spray gun, Paint and lacquer. F. A. Tittlemore and C. S. Renwick. 1,751,608; Mar. 25.
- Spray guns, Making. W. A. Heinrich. 1,757,573; May 6.
- Spray head. G. A. Mueller. 1,752,922-3; Apr. 1.
- Spray head. G. A. Mueller. 1,758,124; May 13.
- Spray head. J. E. Perrin. 1,760,373; May 27.
- Spray head, Sectional. H. E. Heine. 1,742,538; Jan. 7.
- Spray head, Water-tempering sectional. H. E. Heine. 1,742,539; Jan. 7.
- Spray-pole device. J. Messmer. 1,743,370; Jan. 14.
- Spray-tank agitator. E. L. O'Hara. 1,780,500; Nov. 4.
- Sprayer. T. Birkenmaier. 1,744,861; Jan. 28.
- Sprayer. T. Birkenmaier. 1,765,398; June 24.
- Sprayer. H. E. Brandt. 1,786,889; Dec. 30.
- Sprayer. K. A. Hudson. 1,774,652; Sept. 2.
- Sprayer. A. W. Kessler. 1,786,431; Dec. 30.
- Sprayer. A. J. Kollmann. 1,777,925; Oct. 7.
- Sprayer, Double-acting. E. O. Corson. 1,746,524; Feb. 11.
- Sprayer, Fertilizer. O. E. Linck. 1,747,834; Feb. 18.
- Sprayer for cake bodies. H. A. Lauhoff. 1,761,182; June 3.
- Sprayer, Hand-pump. M. A. Kohn. 1,783,882; Dec. 2.
- Sprayer, Hydraulic. J. D. Davenport. 1,754,710; Apr. 15.
- Sprayer or like device, Perfume. G. Kollstede. Des. 82,222; Oct. 7.
- Sprayer, Perfume. R. M. L. Lemoine, née Trouillet. 1,742,605; Jan. 7.
- Sprayer, Track-bed. W. F. Wratten. 1,767,828; June 21.
- Sprayer, Tractor-trailer. H. Pounds and A. H. Corbett. 1,747,793; Feb. 18.
- Sprayers, Motor-operating attachment for liquid. F. E. R. H., and J. R. Nielsen. 1,751,709; Mar. 25.
- Spraying and polishing machine, Combined. A. Herschdorfer and G. Asness. 1,769,291; July 1.
- Spraying apparatus. C. L. Burdick. 1,748,440; Feb. 25.
- Spraying apparatus. C. L. Brudick. 1,754,145; Apr. 8.
- Spraying apparatus. E. G. Gresham. 1,745,536; Feb. 4.
- Spraying apparatus. A. J. Qulia. 1,758,761; May 13.
- Spraying apparatus for rag catchers. H. E. Marvel. 1,760,510; May 27.
- Spraying appliance, Flat. H. D. Binks. 1,751,787; Mar. 25.
- Spraying booth and the like. J. A. Paasche. 1,745,908; Feb. 4.
- Spraying cards, Mechanism for. J. J. Murray. 1,757,648; May 6.
- Spraying device. A. A. Breuer. 1,773,129; Aug. 19.
- Spraying device. F. L. Gatchet. 1,769,428; July 1.
- Spraying device. G. L. Hill. 1,768,062; June 24.
- Spraying device. O. Larsen. 1,753,522; Apr. 8.
- Spraying device. L. A. Moffet. 1,784,243; Dec. 9.
- Spraying device. G. A. Mueller. 1,752,924; Apr. 1.
- Spraying device. W. R. Thornton. 1,763,912; June 17.
- Spraying device. A. E. Watters and H. E. Harbo. 1,769,046; July 1.
- Spraying device. E. Whitaker. 1,743,056; Jan. 7.
- Spraying device for etching machines, Adjustable. A. Holmstrom. 1,747,168; Feb. 18.
- Spraying device, Liquid-. A. A. Ewald. 1,750,512; Mar. 11.
- Spraying device, Liquid-. K. Ludwig. 1,782,309; Nov. 18.
- Spraying liquids. H. W. Page. 1,753,019; Apr. 1.
- Spraying machine. L. C. and W. A. Janssen. 1,751,039; Mar. 18.
- Spraying machine. W. D. Knapp. 1,759,988; May 27.
- Spraying machine. T. H. Libbey. 1,747,517; Feb. 18.
- Spraying machine. S. C. Stewart. 1,754,490; Apr. 15.
- Spraying machine, Can-. E. C. Mueller. 1,760,165; May 27.
- Spraying machine, Leather-. L. S. Goodwin and W. A. Michaud. 1,759,349; May 20.
- Spraying machine, Liquid-. W. H. Thompson. 1,755,716; Apr. 22.
- Spraying molten substances, Apparatus for. H. J. Versteeg. 1,758,878; May 13.
- Spraying of liquids. E. P. De Zan. 1,752,153; Mar. 25.
- Spraying of liquids, Apparatus for the. R. M. L. Lemoine, née Trouillet. 1,742,604; Jan. 7.
- Spraying pulverulent material, Apparatus for. R. Lex. 1,752,956; Apr. 1.
- Spraying separator, Rotary. F. H. Luense. 1,769,586; July 1.
- Spraying separator, Rotary. F. H. Luense. 1,769,588; July 1.
- Spread and garment, Combination. A. Korff. 1,758,323; May 13.
- Spreader. E. J. Budlong. 1,783,071; Nov. 25.
- Spreader device for opening vulcanizing molds or the like. G. F. Wilson and H. E. Waner. 1,782,798; Nov. 25.
- Spreader for mixing machines. T. A. Garrow. 1,750,264; Mar. 11.
- Spreader for use with metal tiles. W. M. Goldsmith. 1,753,463; Apr. 8.
- Spreader, Road-material. F. C. Stolle. 1,753,811; Apr. 8.
- Spreader, Roll. C. L. Heisler. 1,782,470; Nov. 25.
- Spreading liquid, Device for. E. V. Gmeiner. 1,780,126; Oct. 28.
- Spring: See—
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| Air spring. | Reflex spring. |
| Balancing spring. | Safety spring. |
| Car-truck spring. | Seat spring. |
| Coiled spring. | Section spring. |
| Laminated spring. | Shunted spring. |
| Leaf spring. | Tensioning spring. |
| Multiple-leaf spring. | Truck spring. |
| Plate spring. | Valve spring. |
| Pneumatic spring. | Vehicle spring. |
| Rail-joint spring. | |
- Spring. E. E. Deal. 1,774,424; Aug. 26.
- Spring. E. G. Goodwin. 1,763,146; June 10.
- Spring. R. E. McGee. 1,785,489; Dec. 16.
- Spring. F. D. Parker. 1,766,451; June 24.
- Spring. W. G. Wilson. 1,751,261; Mar. 18.
- Spring adjustment for valves, etc. F. H. Hopkins. 1,743,350; Jan. 14.
- Spring air gun. E. S. Roe. 1,780,541; Nov. 4.
- Spring and making same. W. Wuerfel. Re17,785; Aug. 26.
- Spring and shock absorber, Combined. H. Johnson. 1,776,732; Sept. 23.
- Spring and stop, Door. R. M. La Barr. 1,765,798; June 24.
- Spring arrangement. P. Füsigen and W. Kost. 1,781,724; Nov. 18.
- Spring assembly. F. Karr. 1,744,389; Jan. 21.
- Spring assembly for mattresses or cushions. L. A. Suekoff. 1,776,400; Sept. 23.
- Spring attachment. J. C. Monteith. 1,747,727; Feb. 18.
- Spring-bar assembly. E. J. Wittman. 1,742,457; Jan. 7.
- Spring-bar attachment for flexible bracelets. C. B. Greenberg. 1,775,620; Sept. 9.
- Spring boot. A. R. Ulp. 1,753,257; Apr. 8.
- Spring catch. C. A. Friedlander. 1,759,550; May 20.
- Spring catch and like device. A. W. Kimbell. 1,784,936; Dec. 16.

- Spring clip. J. Barnes. 1,784,717; Dec. 9.
 Spring-clip guide for door-lock bolts. J. B. Flynn. 1,764,946; June 17.
 Spring-coiling machine. M. Nigro. 1,761,739; June 3.
 Spring connection, Antifriction. R. R. Searles. 1,785,654; Dec. 16.
 Spring construction. J. L. MacInerney. 1,747,374; Feb. 18.
 Spring construction, Cushion or like. C. E. Landell. 1,742,917; Jan. 7.
 Spring construction, Helper-. C. F. Drumm, jr. 1,774,198; Aug. 26.
 Spring control. E. Bagnall. 1,775,883; Sept. 16.
 Spring-control device. F. C. Mock. 1,777,414; Oct. 7.
 Spring controller. E. Bagnall. 1,778,056; Oct. 14.
 Spring controller. J. C. Monteith. 1,747,726; Feb. 18.
 Spring controller, Vehicle. R. P. Lansing. 1,764,046; June 17.
 Spring controller, Vehicle-. R. P. Lansing. 1,776,036; Sept. 16.
 Spring counterbalance for drill spindles. W. C. De Roo. 1,756,454; Apr. 29.
 Spring cover, spring sleeve, and lubricator. E. F. Hartzell. 1,774,647; Sept. 2.
 Spring device. J. Weichsel. 1,749,117; Mar. 4.
 Spring-driven devices, Winding up of. N. G. Johnson. 1,752,181; Mar. 25.
 Spring driving device, Resonance. O. Muck. 1,761,146; June 3.
 Spring-end connection. F. J. Bechert. 1,757,699-700; May 6.
 Spring equalizer. D. Johnston. 1,767,987; June 24.
 Spring-fastening device and operating the same. N. Statbam. 1,765,034; June 17.
 Spring forming and hardening device. A. D. Bach. 1,763,610; June 10.
 Spring forming and spring-tempering device. C. Peterson. 1,776,084; Sept. 16.
 Spring-forming device. C. Peterson. 1,776,082; Sept. 16.
 Spring governor. E. C. Austin. 1,775,841; Sept. 16.
 Spring implement seat. F. A. Donaldson. 1,759,978; May 27.
 Spring insertions for cushions and the like, Process of and device for making. A. Ehlenbeck. 1,761,711; June 3.
 Spring jack. B. D. Vickrey. 1,755,088; Apr. 15.
 Spring-leaf-forming mechanism. C. Peterson. 1,776,083; Sept. 16.
 Spring machine, Compressed-. A. F. Smith. 1,762,747; June 10.
 Spring-metal reenforcing member, Internal. V. Karbowski. 1,751,741; Mar. 25.
 Spring motor. A. H. Collins. 1,756,783; Apr. 29.
 Spring motor. G. O. Joyner. 1,776,360; Sept. 23.
 Spring motor, Electrically-energized. I. A. Aungst. 1,776,674; Sept. 23.
 Spring motor, Electrically - energized. J. Schibler. 1,776,706; Sept. 23.
 Spring motor, Electrically-wound. J. B. Browning. 1,751,903-4; Mar. 25.
 Spring mounting. O. F. Lundelius. 1,773,313; Aug. 19.
 Spring mounting for auto busses, trucks, etc. T. S. Kemble. 1,744,168; Jan. 21.
 Spring mounting, Vehicle. J. J. Bouchard. 1,775,305; Sept. 9.
 Spring-plank cushion. R. J. O'Brien. 1,762,886; June 10.
 Spring, rebound control, and strain equalizer. A. M. Pilz. 1,745,269; Jan. 28.
 Spring retainer. J. R. Warren. 1,749,552; Mar. 4.
 Spring-rewinding means. C. I. Hall. 1,770,775; July 15.
 Spring rigging for locomotives and other vehicles. A. P. Prendergast. 1,770,860; July 15.
 Spring rings, Producing. W. F. Herold. 1,752,982; Apr. 1.
 Spring-roller-controlling device. W. F. Heckman. 1,766,746; June 24.
 Spring seat and jack pad. K. J. Howell. 1,747,170; Feb. 18.
 Spring shackle. R. H. Chilton. 1,750,346; Mar. 11.
 Spring shackle. H. D. Geyer. 1,759,449; May 20.
 Spring shackle. E. G. Lane. 1,750,603; Mar. 11.
 Spring shackle. R. Searles. 1,757,747; May 6.
 Spring shackle. C. R. Short. 1,750,607; Mar. 11.
 Spring shackle. J. W. Smith. 1,785,685; Dec. 16.
 Spring shackle. J. L. Stover. 1,767,717; June 24.
 Spring shackle. H. G. Trench. 1,752,284; Mar. 25.
 Spring structure. F. O'Brien. 1,785,358; Dec. 16.
 Spring structure. C. C. Meusch. 1,773,925; Aug. 26.
 Spring structure. D. Moomaw. 1,744,489; Jan. 21.
 Spring structure. J. M. Oldham. 1,785,359; Dec. 16.
 Spring structure for bed bottoms and the like. G. A. Stackhouse. 1,757,266; May 6.
 Spring structure, Leaf-. J. S. Reid. 1,751,171; Mar. 18.
 Spring structures, Assembling. G. O. Brandt. 1,751,072; Mar. 18.
 Spring suspension. A. I. Marcum. 1,745,432-3; Feb. 4.
 Spring suspension. J. E. Reid. 1,758,411; May 13.
 Spring suspension. E. O. Schjolin. 1,768,494; June 24.
 Spring suspension, Automobile. W. W. Wood. 1,745,881; Feb. 4.
 Spring suspension device. G. R. Howey. 1,758,701; May 13.
 Spring suspension for cycle and motorcycle saddles. J. Couratin. 1,758,736; May 13.
 Spring suspension for motor vehicles. P. Lemaigre. 1,747,781; Feb. 18.
 Spring suspension for six-wheel vehicles. G. Duesler. 1,771,488; July 29.
 Spring suspension for vehicle bodies. R. W. Fisher. 1,767,750; June 24.
 Spring suspension for vehicles. A. I. Marcum. 1,747,902; Feb. 18.
 Spring suspension for wave-transmission tools, Liquid. W. R. Degenhardt, A. F. de Fraine, and R. H. Bicknell. 1,771,672; July 29.
 Spring suspension, Vehicle. W. L. Moreland. 1,743,373; Jan. 14.
 Spring-tooth mounting for cultivators. G. J. Miller. 1,766,396; June 24.
 Spring trap for throwing disk targets. J. T. Dickman. 1,758,032; May 13.
 Spring upholstered seat back. J. Hilton. 1,774,597; Sept. 2.
 Spring vibration dampener. W. H. Manning. 1,746,220; Feb. 4.
 Spring wheel. P. L. Whittenberger. 1,756,270; Apr. 29.
 Spring winder. O. Kramer. 1,757,911; May 6.
 Spring-winding-control device. W. Thomas. 1,787,343; Dec. 30.
 Springs, Connecting. A. Gerlowski. 1,785,188; Dec. 16.
 Springs, Manufacturing. A. S. Phelps. 1,760,169; May 27.
 Springs, Method of and machine for assembling. J. F. Gail. 1,759,050; May 20.
 Springs of uniform length, Producing helically-coiled. W. Holness. 1,779,131; Oct. 21.
 Springs, Testing. K. Pfeiffer. 1,743,619; Jan. 14.
 Sprinkler: See—
 Automatic sprinkler. Rotary sprinkler.
 Lawn sprinkler. Water sprinkler.
 Sprinkler. R. S. Blitz. 1,744,520; Jan. 21.
 Sprinkler. W. A. Buckner. 1,745,005; Jan. 28.
 Sprinkler. G. Buelna. Re17,802; Sept. 16.
 Sprinkler. G. Buelna. 1,742,898; Jan. 7.
 Sprinkler. W. H. Coles and B. J. Nelson. 1,756,729; Apr. 29.
 Sprinkler. L. W. Greer. 1,783,237; Dec. 2.
 Sprinkler. H. Jenkins. 1,780,233; Nov. 4.
 Sprinkler. T. Matsui. 1,751,345; Mar. 18.
 Sprinkler. E. G. Munz. 1,766,138; June 24.
 Sprinkler. L. R. Nelson. 1,763,979-80; June 17.
 Sprinkler. J. T. Plumer. 1,784,251; Dec. 9.
 Sprinkler. F. E. Roach. 1,765,939; June 24.
 Sprinkler. F. E. Roach. 1,779,983; Oct. 28.
 Sprinkler. W. Steininger. 1,746,970; Feb. 11.
 Sprinkler. W. Steininger. 1,786,035; Dec. 23.
 Sprinkler. L. E. Taggart. 1,758,767; May 13.
 Sprinkler. W. C. Todd. 1,764,910; June 17.
 Sprinkler and surfacer for ice rinks, Combined. A. Thorud. 1,762,599; June 10.
 Sprinkler and the like, Automatic. J. Taylor. 1,771,826; July 29.
 Sprinkler attachment for hose nozzles. J. G. Rogan. 1,745,914; Feb. 4.
 Sprinkler having projectable nozzle. W. Van E. Thompson. 1,753,841; Apr. 8.
 Sprinkler head. H. G. Carlson. 1,749,627; Mar. 4.
 Sprinkler head. F. Henkel. 1,760,903; June 3.
 Sprinkler head. F. H. Johnson. 1,766,126; June 24.
 Sprinkler head. J. C. Lohman. 1,764,570; June 17.
 Sprinkler head. W. G. Macomber. 1,760,201; May 27.
 Sprinkler head. W. Van E. Thompson. 1,776,455; Sept. 23.
 Sprinkler mechanism, Dry-pipe. J. R. Hamilton. 1,759,158; May 20.
 Sprinkler system. A. J. Loepsinger. 1,773,272; Aug. 19.
 Sprinkler system. P. B. Schoenberger. 1,786,963; Dec. 30.
 Sprinkler with soap-holding attachment. D. P. MacKenzie. 1,762,518; June 10.
 Sprinkling apparatus. E. R. Greer. 1,761,723; June 3.
 Sprinkling device, Water-. G. A. Williams. 1,767,028; June 24.
 Sprinkling system and the like, Lawn-. I. H. Moore. 1,768,919; July 1.
 Sprint-starting appliance. J. P. Nicholson and J. W. McAllister. 1,785,968; Dec. 23.
 Sprocket and pinion, Combined. O. Cullman. 1,771,432; July 29.
 Sprocket-center-removing means. R. S. Brown. 1,774,050; Aug. 26.
 Sprocket for motion-picture-projection machines. L. S. Frappier and E. Boecking. 1,776,383; Sept. 23.
 Sprocket mount, Driving-. G. C. Jett. 1,748,571; Feb. 25.
 Sprue-forming device. M. Stabile. 1,765,109; June 17.
 Spur cap for screed supports. O. Englund. 1,768,547; July 1.
 Spur, Novelty. G. C. Welter. Des. 80,653; Mar. 4.
 Square. R. W. Tait and C. F. Lepper. 1,778,922; Oct. 21.
 Square and protractor, Combined universal. C. E. Sullenberger. 1,778,405; Oct. 14.
 Square, Tailor's. R. Cangemi. 1,763,091; June 10.
 Square, Tailor's. L. Onorato. 1,776,393; Sept. 23.
 Squeezer, Bloom. W. C. Ely. 1,744,876; Jan. 28.
 Squeezer, Lemon. E. L. Merzoian. 1,771,503; July 29.
 Stabilizer, Automatic air-vehicle. A. L. Veit. 1,748,502; Feb. 25.
 Stabilizer for aeroplanes. F. Rumford and H. T. Henry. 1,752,396; Apr. 1.
 Stabilizer for road-grading machines. J. L. Becker. 1,773,254; Aug. 19.

Stabilizer for use on motor vehicles. F. Feyens. 1,769,503; July 1.
 Stabilizer for vehicles. H. E. Weber. 1,749,617; Mar. 4.
 Stabilizing aldehydes. M. C. Reed. 1,763,326; June 10.
 Stabilizing device. E. A. Sperry. 1,778,734; Oct. 21.
 Stack lifter, Portable. R. T. Romine. 1,745,046; Jan. 28.
 Stack lifter, Portable. R. T. Romine. 1,745,048; Jan. 28.
 Stack lifter, Portable. R. T. Romine. 1,745,052-3; Jan. 28.
 Stack lifter, Portable. E. W. Systrom. 1,745,049; Jan. 28.
 Stack lifter, Portable. J. F. Warren. 1,745,051; Jan. 28.
 Stacker. R. Hitchcock. 1,786,752; Dec. 30.
 Stacker. P. B. Johnson. 1,780,925; Nov. 11.
 Stacker and loader. Hay. J. M. Wolf. 1,762,459; June 10.
 Stacker, Shingle. E. C. Otis. 1,780,716; Nov. 4.
 Stacking machine, Sash-pin. J. E. Bell. 1,743,909; Jan. 14.
 Stacking mechanism. P. A. Gollnick and G. Harred. 1,756,920; Apr. 29.
 Stadium chair. J. M. Shelton. 1,752,208; Mar. 25.
 Stage-lift flowing device. A. Boynton. 1,767,201-2; June 24.
 Stage-lift flowing device. A. Boynton. 1,768,109-10; June 24.
 Stage-lift flowing device. A. Boynton. 1,770,023; July 8.
 Stage-lift flowing device. A. Boynton. 1,773,943; Aug. 26.
 Stage-lift flowing device. A. Boynton. 1,779,726-7; Oct. 28.
 Stage-lift flowing device. A. Boynton. 1,784,720; Dec. 9.
 Stage-lift flowing device, Automatic. A. Boynton. 1,772,036; Aug. 5.
 Stage-lift flowing device, Automatic. A. Boynton. 1,773,942; Aug. 26.
 Stage setting. A. R. Fredericks. 1,772,661; Aug. 12.
 Staging bracket, Folding. A. P. Henderson. 1,755,116; Apr. 15.
 Stair construction. H. Felsenthal. 1,771,405; July 29.
 Stair construction. A. E. and Louis Shlager, and M. Groisser. 1,764,698; June 17.
 Stair nosing. S. C. Awbrey. 1,767,782; June 24.
 Stairs, Folding and disappearing. R. B. Marschke. 1,767,148; June 24.
 Stairway guard. D. E. McAvoy. 1,785,487; Dec. 16.
 Stairway, Movable. F. E. Bessler. 1,749,409; Mar. 4.
 Stairway, Moving. M. C. Schwab. 1,767,945; June 24.
 Stairway, Spiral. A. L. Woodbridge. 1,774,582; Sept. 2.
 Stake, Contraction-joint. R. R. Robertson. 1,753,316; Apr. 8.
 Stake, Ground. G. F. Hamilton, R. R. Holzappel, F. J. Girty, and C. Lawton. 1,756,641; Apr. 29.
 Stake lock. R. Dymock. 1,762,618; June 10.
 Stake, Metal. W. L. Lance. 1,745,303; Jan. 28.
 Stake, Tent. W. J. Steinbreder. 1,773,760; Aug. 26.
 Stake, Tent. R. A. Taylor. 1,781,350; Nov. 11.
 Staking machine. C. F. Stackpole. 1,744,420; Jan. 21.
 Stalk chopper, Tractor. B. R. Benjamin. 1,782,560; Nov. 25.
 Stalk cutter. C. R. Alexander. 1,784,410; Dec. 9.
 Stalk cutter. W. J. Caywood. 1,771,288; July 22.
 Stalk cutter. H. H. and H. M. Gardner. 1,775,520; Sept. 9.
 Stalk cutter. W. A. Martin. 1,754,832; Apr. 15.
 Stalk cutter. J. H. Miner. 1,753,899; Apr. 8.
 Stalk cutter. J. F. O'Kelley. 1,757,873; May 6.
 Stalk cutter. J. Robbins. 1,786,455; Dec. 30.
 Stalk cutter. J. F. Swint. 1,779,020; Oct. 21.
 Stall, Cow. J. F. Grim. 1,754,752; Apr. 15.
 Stall, Multiple thumb. F. L. Ballard and W. A. Robson. 1,758,681; May 13.
 Stamp-affixing machine. J. D. Mohr. 1,775,404; Sept. 9.
 Stamp and dater, Rubber time. G. A. Pickup. 1,762,027; June 3.
 Stamp assembly, Rubber-. H. H. Hellesoe. 1,750,004; Mar. 11.
 Stamp-canceling machine. O. F. Lefebvre. 1,756,647; Apr. 29.
 Stamp-dispensing machine. W. F. Schweiger. 1,762,277; June 10.
 Stamp, Inked. T. E. Madden. 1,782,877; Nov. 25.
 Stamp magazine. W. Calvano. 1,757,560; May 6.
 Stamp pad. E. A. Oppenheimer. 1,770,424; July 15.
 Stamp, Time. E. S. Ostler. 1,777,889; Oct. 7.
 Stamp-vending machine. D. E. Varner and E. W. Price. 1,742,977; Jan. 7.
 Stamping device for incandescent lamps and similar articles. A. Sittel. 1,768,424; June 24.
 Stamping head. O. M. Pannier. 1,786,028; Dec. 23.
 Stamping machine. W. H. Brooks. 1,759,973; May 27.
 Stamping machine. C. De Young. 1,751,578; Mar. 25.
 Stamping machine. G. W. Heene. 1,769,923; July 8.
 Stamping machine, Automatic box-. E. E. Evans. 1,749,698; Mar. 4.
 Stamping presses, Bed-adjusting mechanism for. B. J. Lindgren. 1,758,231; May 13.
 Stanchion. R. J. Langer. 1,752,095; Mar. 25.
 Stanchion. C. F. Hanson. 1,780,187; Nov. 4.
 Stanchion, Cattle. W. E. Currie and P. de Vries. 1,762,259; June 10.
 Stanchion, Cattle. W. E. Currie and P. de Vries. 1,784,890; Dec. 16.
 Stand: See—
 Beehive stand.
 Boiler stand.
 Calendar-pad stand.
 Cigar stand.
 Condiment stand.
 Desk stand.
 Display revolving stand.
 Display stand.
 Dressing stand.
 Floral stand.
 Golf-bag stand.
 Flowerpot stand.

Stand: See—
 Fruit-packing stand.
 Iron supporting stand.
 Ironing stand.
 Knockdown stand.
 Lamp stand.
 Lock stand.
 Mold stand.
 Motor stand.
 Motor-supporting stand.
 Mouth-organ stand.
 Music stand.
 Newsstand.
 Pipe-vise stand.
 Repair stand.
 Saw-filing stand.
 Shoe and hosiery stand.
 Smoker's stand.
 Switch stand.
 Switch-throw stand.
 Telephone stand.
 Towel stand.
 Tub stand.
 Typewriter stand.
 Utility stand.
 Vise stand.
 Work stand.
 X-ray exhibit stand.
 Stand. C. E. Anderson. 1,780,163; Nov. 4.
 Stand. A. C. Hayden. 1,750,803; Mar. 18.
 Stand. F. J. Plym. 1,765,699; June 24.
 Stand and holder for fountain pens, Desk. J. C. Wahl. 1,782,108; Nov. 18.
 Stand and mounting. W. Meyer. 1,782,660; Nov. 25.
 Stand and rack, Adjustable. F. C. Huonker. 1,782,617; Nov. 25.
 Stand and receptacle for a cleaning machine or the like, Combined. W. E. Sharp. Des. 82,406; Oct. 28.
 Stand base. C. H. Appleman. Des. 81,953; Sept. 9.
 Stand for a hand telephone, Desk. L. Bernhard. Des. 81,474; July 1.
 Stand for a hand telephone, Desk. L. Bernhard. Des. 81,680; July 29.
 Stand for a hand telephone, Desk. L. Bernhard. Des. 82,414; Nov. 4.
 Stand for a hand telephone, Desk. N. Blount. Des. 80,670-2; Mar. 11.
 Stand for a hand telephone, Desk. R. Clarke. Des. 81,476; July 1.
 Stand for a hand telephone, Desk. J. Vassos. Des. 81,510; July 1.
 Stand for a hand telephone, Desk. J. Vassos. Des. 81,512; July 1.
 Stand for a hand telephone, Desk. J. Vassos. Des. 81,562; July 8.
 Stand for coffee makers. A. M. Boever. Des. 81,912; Sept. 2.
 Stand for coffee makers, Heater. A. M. Boever. Des. 81,913; Sept. 2.
 Stand for electric lamps, Adjustable support. O. J. Moehler. 1,765,028; June 17.
 Stand for fountain pens. R. C. Liddell. 1,762,104; June 3.
 Stand for garment forms, Supporting. I. Burk. 1,772,240; Aug. 5.
 Stand for golf bags, Automatic foldable. C. E. Platt. 1,757,471; May 6.
 Stand for merchandise, Display. J. Horwath. 1,779,627; Oct. 28.
 Stand for motion-picture-projector apparatus. A. C. Hayden. 1,787,270; Dec. 30.
 Stand for motor cycles. K. Suitsu. 1,773,065; Aug. 12.
 Stand for outboard motors. C. H. Randall. 1,777,935; Oct. 7.
 Stand for portable typewriters, Foldable copy. P. Schano. 1,784,253; Dec. 9.
 Stand for rotatable balances, Adjustable. W. P. Jenny. 1,780,158; Nov. 4.
 Stand for use with cutting torches, Template-holding. P. Orzel. 1,768,857; July 1.
 Stand for use with gas stoves, Safety. S. M. Kass. 1,752,562; Apr. 1.
 Stand for visible indexes. F. D. Powell. 1,766,940; June 24.
 Stand or similar article, Aquarium. S. C. Simpson. Des. 80,865; Apr. 1.
 Stand or similar article, Flowerpot. G. Holzworth. Des. 82,607; Nov. 25.
 Stand or similar article, Lamp. L. V. Aronson. Des. 81,318; June 10.
 Stand or similar device, Golf teeing. J. H. Holm. Des. 82,678; Dec. 2.
 Stand or support, Straddle. F. Albach. 1,757,825; May 6.
 Stand structure. E. W. Northrop and J. Ironside. 1,743,863; Jan. 14.
 Stand structure, Collapsible. J. Ironside. 1,770,574; July 15.
 Standard, Fish-bowl. J. Schlagheck. Des. 80,395; Jan. 21.
 Standpipe connection. A. E. Hansen. 1,755,735; Apr. 22.
 Standpipe fitting. H. S. Walker. 1,774,740; Sept. 2.
 Standpipe for coke ovens. J. Van Ackeren. 1,747,610; Feb. 18.
 Staple and hasp construction. D. Nelson. 1,749,983; Mar. 11.
 Staple and nail extractor. F. N. Young. 1,760,804; May 27.
 Staple-driving machine. F. Polzer. 1,757,812; May 6.
 Staple-making machine and method. S. F. Bauwens. 1,773,512; Aug. 19.
 Staple puller. H. Reich. 1,751,948; Mar. 25.
 Staples and product thereof, Anchoring. G. Goddu. 1,776,429; Sept. 23.
 Stapling device. C. A. Palmgren. 1,746,495-6; Feb. 11.
 Stapling device. C. A. Palmgren. 1,761,640; June 3.
 Stapling machine. H. G. Allen. 1,744,715; Jan. 28.
 Stapling machine. J. B. Crofoot. 1,749,466; Mar. 4.
 Stapling machine. E. E. Frey. 1,763,040; June 10.
 Stapling machine. A. H. Maynard. 1,780,530; Nov. 4.

- Stapling machine. F. L. St. Hilaire. 1,757,883; May 6.
 Stapling machine. A. H. Schmidtko. 1,786,870; Dec. 30.
 Stapling machines, Clinching means for. F. Polzer. 1,787,285; Dec. 30.
 Stapling machines, tag-affixing machines, and similar devices, Operating device for. F. Polzer. 1,782,743; Nov. 25.
 Star, Illuminated. A. Ludwig. Re17,777; Aug. 26.
 Starch capable of swelling in cold water, Producing. O. Meyer. 1,773,056; Aug. 12.
 Starch, Manufacture of. F. L. Jefferies. 1,750,756; Mar. 18.
 Starching machine, Clothes-. E. C. Strickland. 1,769,397; July 1.
 Starter, battery recharger, and engine supercharger, Combined electric. V. G. Apple. 1,752,224; Mar. 25.
 Starter. R. A. Coffman. 1,776,228; Sept. 16.
 Starter control. B. S. Aikman. 1,778,347; Oct. 14.
 Starter, Electric-motor. W. T. Holmes. 1,753,116; Apr. 1.
 Starter, Engine. R. Abell. 1,778,010-12; Oct. 14.
 Starter, Engine. V. Bendix. 1,775,805; Sept. 16.
 Starter, Engine. R. Bertsche, jr. 1,753,591; Apr. 8.
 Starter, Engine. R. Chilton. 1,768,116; June 24.
 Starter, Engine. W. A. Chryst. 1,749,320; Mar. 4.
 Starter, Engine. W. A. Chryst and G. W. Elsey. 1,749,321; Mar. 4.
 Starter, Engine. J. B. Dyer. 1,750,300; Mar. 11.
 Starter, Engine. M. B. Jackson. 1,762,631; June 10.
 Starter, Engine. R. P. Lansing. 1,753,830; Apr. 8.
 Starter, Engine. R. P. Lansing. 1,755,327; Apr. 22.
 Starter, Engine. R. P. Lansing. 1,758,118; May 13.
 Starter, Engine. R. P. Lansing. 1,760,874; June 3.
 Starter, Engine. R. P. Lansing. 1,760,988; June 3.
 Starter, Engine. R. P. Lansing. 1,768,081; June 24.
 Starter, Engine. R. P. Lansing. 1,773,107; Aug. 19.
 Starter, Engine. R. P. Lansing. 1,775,467; Sept. 9.
 Starter, Engine. R. P. Lansing. 1,777,172; Sept. 30.
 Starter, Engine. R. P. Lansing. 1,777,207; Sept. 30.
 Starter, Engine. R. P. Lansing. 1,778,458; Oct. 14.
 Starter, Engine. R. P. Lansing. 1,778,900; Oct. 21.
 Starter, Engine. R. P. Lansing. 1,784,190; Dec. 9.
 Starter, Engine. R. P. Lansing. 1,785,319; Dec. 16.
 Starter, Engine. R. P. Lansing. 1,786,118-19; Dec. 23.
 Starter, Engine. P. E. Mack. 1,786,763; Dec. 30.
 Starter, Engine. C. Marcus. 1,774,804; Sept. 2.
 Starter, Engine. W. L. McGrath. 1,758,233; May 13.
 Starter, Engine. W. L. McGrath. 1,764,027; June 17.
 Starter, Engine. W. L. McGrath. 1,775,823; Sept. 16.
 Starter, Engine. J. H. Richards. 1,756,068; Apr. 29.
 Starter, Engine. J. H. Richards. 1,758,173; May 13.
 Starter, Engine. W. F. Rothermund. 1,764,893; June 17.
 Starter, Engine. H. E. Van Ness. 1,758,301; May 13.
 Starter, Engine. M. P. Whitney. 1,759,076-7; May 20.
 Starter for direct-current motors, Shockproof. E. Nishi. 1,774,066; Aug. 26.
 Starter for electric motors. W. C. O'Brien. 1,779,328; Oct. 21.
 Starter for heavy internal-combustion engines, Portable. J. M. Davis. 1,779,089; Oct. 21.
 Starter for induction motors, Automatic. J. Sousedfk. 1,768,220; June 24.
 Starter for internal-combustion engines. J. Hasselbring, jr. 1,763,702; June 17.
 Starter for internal-combustion engines. J. Hasselbring, jr. 1,783,015; Nov. 25.
 Starter for internal-combustion engines. L. Vingheroets. 1,761,457; June 3.
 Starter for internal-combustion engines, Electric. G. Steiner. 1,764,906; June 17.
 Starter for racing dogs, Electrical. A. E. Bland. 1,743,875; Jan. 14.
 Starter mechanism. E. R. Wharton. 1,762,434; June 10.
 Starter, Motor. H. L. Meeder. 1,767,688; June 24.
 Starter, Safety engine. A. Taylor. 1,753,537; Apr. 8.
 Starter, Siphon. W. Pearson. 1,757,056; May 6.
 Starter, Siphon. P. Varney. 1,771,426; July 29.
 Starter switch. I. Tindal. 1,755,850; Apr. 22.
 Starting and ignition system, Electrical. M. Mallory. 1,769,150; July 1.
 Starting and light switch. J. G. Wortham. 1,743,949; Jan. 14.
 Starting and lighting machine, Electric. H. Papst. 1,748,242; Feb. 25.
 Starting apparatus, Engine-. J. B. Dyer. 1,757,238; May 6.
 Starting apparatus, Engine-. G. W. Elsey. 1,750,311; Mar. 11.
 Starting apparatus, Engine-. J. W. Lawson. 1,750,274; Mar. 11.
 Starting apparatus, Engine-. J. W. Lawson. 1,753,571; Apr. 8.
 Starting apparatus, Engine-. F. H. Prescott. 1,750,283; Mar. 11.
 Starting apparatus, Engine. H. Schwarze. 1,761,539-40; June 3.
 Starting apparatus, Engine-. W. H. Teeter. 1,753,584; Apr. 8.
 Starting device for compressors. C. W. Metzgar. 1,761,578; June 3.
 Starting device for engines of the Diesel and semi-Diesel type. D. Dal Lago. 1,771,776; July 29.
 Starting device for fan motors. R. H. Jordan. 1,783,175; Dec. 2.
 Starting device for internal-combustion engines, Electric. V. G. Apple. 1,763,549; June 10.
 Starting device for motor driven machines. A. E. Jerram. 1,782,304; Nov. 18.
 Starting device for synchronous motors. W. S. Pfeifer. 1,782,908; Nov. 25.
 Starting device for tractor engines. L. Neas. 1,749,645; Mar. 4.
 Starting machine. A. T. J. Bahr. 1,770,450; July 15.
 Starting means for internal-combustion engines. R. Whitlock. 1,754,869; Apr. 15.
 Starting mechanism, Engine-. R. P. Lansing. 1,768,082-3; June 24.
 Starting mechanism, Engine-. R. P. Lansing. 1,772,151; Aug. 5.
 Starting mechanism for automobile engines, Automatic. B. M. Cox. 1,744,868; Jan. 28.
 Starting mechanism for automobiles. W. G. Myllus. Re17,679; May 27.
 Starting mechanism for internal-combustion engines. F. Müller. 1,749,152; Mar. 4.
 Starting switch. E. Chapman and E. E. Dreese. 1,774,130; Aug. 26.
 Starting system for automobiles, Electrical. L. K. Loehr and W. E. Burdick. 1,773,913; Aug. 26.
 Starting system for synchronous motors. C. T. Hibbard. 1,772,566; Aug. 12.
 Static constructions, Determining the action of forces upon. C. Rieckhof. 1,754,049; Apr. 8.
 Static electricity from combustible roofs, Eliminating. N. G. Burgster. 1,767,275; June 24.
 Static eliminator, Radio. D. E. Emerson. 1,779,359; Oct. 21.
 Static force, Producing speeds proportional to variations in. W. C. Woodson, jr. 1,766,579; June 24.
 Static interference in carrier systems, Reduction of. D. E. Branson. 1,752,325-6; Apr. 1.
 Static interference in carrier systems, Reduction of. H. A. Affel. 1,752,360; Apr. 1.
 Static transmitter for polyphase distant control systems. E. Granat. 1,764,867; June 17.
 Station and drier car, Loading. C. E. Fuller. 1,759,005; May 20.
 Station announcer. O. P. Cox. 1,771,774; July 29.
 Station, Automatic. C. C. Levy. 1,764,326; June 17.
 Station, Automatic. C. McL. Moss and A. J. A. Peterson. 1,764,332; June 17.
 Station, Bus and switch. A. M. Rossman. 1,753,219; Apr. 8.
 Station construction. A. M. Rossman. 1,787,053; Dec. 30.
 Station, Filling. J. H. Glenn, jr., and B. L. Bennett. Des. 82,644; Nov. 25.
 Station for aircraft, Floating. A. J. Cobham. 1,773,029; Aug. 12.
 Station indicator. A. McMillan. 1,761,737; June 3.
 Station-type drilling and tapping machine. E. P. Bullard, jr. 1,786,148; Dec. 23.
 Stationery blank, Printer's wedding. J. R. Elgan. Des. 82,011; Sept. 9.
 Stationery box. T. A. Nichols. 1,742,821; Jan. 7.
 Stator for dynamo-electric machines and making the same. A. P. Wood. 1,784,649; Dec. 9.
 Stators for dynamo-electric machines, Making. H. G. Reist. 1,784,643; Dec. 9.
 Stator in electric motors and generators. E. M. Wright. 1,771,475; July 29.
 Statue. W. H. Wiest. Des. 80,471; Feb. 4.
 Statue. W. H. Wiest. Des. 80,555; Feb. 18.
 Statue. G. S. Brush. Des. 81,176; May 20.
 Statuette or similar article. A. Culin. Des. 82,931; Dec. 30.
 Statuette or similar article. H. W. Davey. Des. 81,959; Sept. 9.
 Statuette or similar article, Motor-vehicle radiator. J. W. Harle, jr. Des. 81,876; Aug. 26.
 Stay, Back-part. W. J. De Witt. 1,780,177; Nov. 4.
 Stay bolt, Steam-boiler. A. F. Pitkin. 1,750,687; Mar. 18.
 Stay member for coat necks. D. E. Tracy. 1,759,528; May 20.
 Stays or rivets in ball bearings, Riveting. G. O. Hodge. 1,780,189; Nov. 4.
 Steam-accumulator plant. J. Smékal. 1,770,256; July 8.
 Steam and hot water, Apparatus for the generation of. F. W. C. A. Feld. 1,764,873; June 17.
 Steam, Apparatus for and method of generating. H. Gleichmann. 1,784,426; Dec. 9.
 Steam, Apparatus for condensing. D. K. Dean. 1,782,986; Nov. 25.
 Steam, Apparatus for generating. K. Mayr. 1,774,654; Sept. 2.
 Steam, Apparatus for generating. E. P. Moritz. 1,778,721; Oct. 21.
 Steam, Apparatus for producing nonoxidizing. C. Hills-meyer. 1,767,456; June 24.
 Steam boiler. G. W. Bach. 1,750,985; Mar. 18.
 Steam boiler. P. Badenhausen. 1,747,612; Feb. 18.
 Steam boiler. A. W. Bruce. 1,750,295; Mar. 11.
 Steam boiler. H. E. Bunker. 1,754,350; Apr. 15.
 Steam boiler. F. W. Chipman. 1,786,981; Dec. 30.
 Steam boiler. C. W. E. Clarke. 1,778,379; Oct. 14.
 Steam boiler. G. W. Elmwall. 1,781,057; Nov. 11.
 Steam boiler. S. B. Gorbitt. 1,760,829; May 27.
 Steam boiler. I. Harter. 1,776,505; Sept. 23.
 Steam boiler. D. S. Jacobus. 1,753,267; Apr. 8.

- Steam boiler. D. S. Jacobus. 1,769,997; July 8.
 Steam boiler. D. S. Jacobus. 1,774,749; Sept. 2.
 Steam boiler. H. J. Kerr. 1,770,703; July 15.
 Steam boiler. H. J. Kerr. 1,779,941; Oct. 28.
 Steam boiler. H. J. Kerr. 1,780,619; Nov. 4.
 Steam boiler. E. A. Kingsley. 1,743,146; Jan. 14.
 Steam boiler. C. B. Little. 1,751,092; Mar. 18.
 Steam boiler. D. H. Shannon. 1,762,246; June 10.
 Steam boiler. M. E. Smith. 1,767,020; June 24.
 Steam boiler, Fire-tube. G. W. Russell. 1,786,317; Dec. 23.
 Steam-boiler structure. J. B. Hawley, jr. 1,774,552; Sept. 2.
 Steam boiler, Superheater. D. S. Jacobus. 1,776,835; Sept. 30.
 Steam boiler, Water-tube. J. C. Hanrahan. 1,762,136; June 3.
 Steam by the burning of fuel in suspension, Generating. W. R. Wood. 1,762,319; June 10.
 Steam cleaner. A. Clarkson. 1,752,231; Mar. 25.
 Steam cleansing device for locomotive and similar boilers. C. A. A. Westerberg. 1,755,855; Apr. 22.
 Steam-collecting means for boilers. J. E. Muhlfeld. 1,768,920; July 1.
 Steam-condensing apparatus. P. A. Bancel and J. F. Kirgan. 1,777,280; Oct. 7.
 Steam-condensing apparatus. C. B. Page and W. D. Burton. 1,742,449; Jan. 7.
 Steam, Desuperheating. J. R. Mc Dermet. 1,773,053; Aug. 12.
 Steam distillation, Process and apparatus for. E. H. Leslie and E. M. Baker. 1,781,977; Nov. 11.
 Steam distribution, System of superheated. J. F. Mantonya. 1,779,552; Oct. 28.
 Steam engine. W. B. Gorr. 1,753,925; Apr. 8.
 Steam engine. N. M. Lower. 1,779,608; Oct. 28.
 Steam engine. J. L. Mohun. 1,781,407; Nov. 11.
 Steam engine. H. G. Mueller. 1,785,455; Dec. 16.
 Steam engine. C. Spiro. 1,778,817; Oct. 21.
 Steam engine. F. Vorel. 1,744,288; Jan. 21.
 Steam engine. W. A. Webster. 1,780,324; Nov. 4.
 Steam engine, Compound. J. Fahdt. 1,748,445; Feb. 25.
 Steam engine, Limited cut-off. H. J. Titus and J. S. Wallis. 1,769,809; July 1.
 Steam engine, Reciprocating. H. Wach. 1,758,267; May 13.
 Steam engine, Reversible. C. R. Reid. 1,771,351; July 22.
 Steam engine, Single-acting. S. E. Alley. 1,770,381; July 15.
 Steam finisher. C. H. Boyuls. 1,778,059; Oct. 14.
 Steam finisher, Dry-. I. W. Cox. 1,763,761; June 17.
 Steam fitting. A. Aldrich. 1,779,576; Oct. 28.
 Steam from evaporation apparatus in pulp-digesting plants, Utilization of waste. E. Morterud. 1,771,810; July 29.
 Steam-generating apparatus. G. J. Muller. 1,764,740; June 17.
 Steam-generating apparatus. E. Wanamaker and L. C. Bowes. 1,782,220; Nov. 18.
 Steam-generating furnace. T. F. Downey and J. Donald. 1,784,134; Dec. 9.
 Steam-generating plant. O. L. Dillon. 1,768,514; June 24.
 Steam generator. H. H. Baumgartner. 1,780,220; Nov. 4.
 Steam generator. C. W. Burroughs. 1,747,421; Feb. 18.
 Steam generator. C. H. Davy. 1,743,326; Jan. 14.
 Steam generator. N. Forssblad. 1,766,989; June 24.
 Steam generator. E. W. Strom. 1,781,653; Nov. 11.
 Steam generator. W. R. Wood. 1,784,407; Dec. 9.
 Steam generator, High-pressure. O. H. Hartmann and R. Uhde. 1,768,448; June 24.
 Steam generator, Indirectly-heated. H. Peperkorn. 1,781,764; Nov. 18.
 Steam generator or water heater. T. Clarkson. 1,784,338; Dec. 9.
 Steam-heated apparatus. C. Rosenblad. 1,758,295; May 13.
 Steam in high-pressure locomotives, Apparatus for controlling the working. O. H. Hartmann. 1,768,321; June 24.
 Steam injector, Exhaust-. E. Blauborn. 1,759,218; May 20.
 Steam injector, Exhaust-. H. Deutsch. 1,759,223; May 20.
 Steam injector, Exhaust-. J. F. Griffin. 1,745,613; Feb. 4.
 Steam injector, Exhaust-. N. T. McKee. 1,782,009; Nov. 18.
 Steam joint. E. E. Berry. 1,769,905; July 1.
 Steam joint, Balanced. A. Aldrich. 1,774,624; Sept. 2.
 Steam lift. G. W. Watts. 1,775,478; Sept. 9.
 Steam, Method and apparatus for the treatment of. J. R. Mc Dermet. 1,773,054; Aug. 12.
 Steam or vapor generator. L. S. Lanterman. 1,780,529; Nov. 4.
 Steam plant. J. Smékal. 1,760,215; May 27.
 Steam plant. F. Wettstein. 1,783,204; Dec. 2.
 Steam, Plant for producing and utilizing. C. Schwartz. 1,745,816; Feb. 4.
 Steam pressure signal, Abnormal-. J. Backstatter. 1,779,795; Oct. 28.
 Steam, Resuperheating of interstage. R. Uhde. 1,745,964; Feb. 4.
 Steam scoring machine for ice. E. S. Henry. Re17,630; Apr. 1.
 Steam separator. A. L. Menzlin. 1,754,478; Apr. 15.
 Steam separator. A. Meyer. 1,766,666; June 24.
 Steam separator, Centrifugal. J. E. Ellor. 1,750,395; Mar. 11.
 Steam, Superheating of interstage. O. H. Hartmann. 1,768,058; June 24.
 Steam superheating system. T. Larrey and L. Godard. 1,763,241; June 10.
 Steam-table pan. F. P. Lambert. 1,762,635; June 10.
 Steam trap. J. W. Garrett. 1,753,508; Apr. 8.
 Steam trap. J. W. Garrett. 1,772,803; Aug. 12.
 Steam trap. L. D. Goff. 1,767,063; June 24.
 Steam trap. E. T. Hewitt. 1,787,374; Dec. 30.
 Steam trap. J. Messmer. 1,784,153; Dec. 9.
 Steam trap. J. Ryan. 1,766,725; June 24.
 Steam trap. C. Schaer. 1,759,066; May 20.
 Steam trap. L. P. Strong. 1,777,507; Oct. 7.
 Steam trap. C. E. Walsh. 1,766,966; June 24.
 Steam-turbine engine, Reversible. C. Bennett. 1,780,458; Nov. 4.
 Steamer. F. P. and F. T. Larson. 1,753,895; Apr. 8.
 Steaming and drying machine. H. A. Shields. 1,763,193; June 10.
 Steaming iron. R. Leprestre. 1,749,639; Mar. 4.
 Steaming iron, Self-. W. B. Klaren. 1,780,236; Nov. 4.
 Steel. M. A. Grossmann and D. Williams. 1,748,217; Feb. 25.
 Steel. W. C. Hamilton and C. E. Sims. 1,742,857; Jan. 7.
 Steel abrasive material, Producing. S. D. Layton. 1,751,340; Mar. 18.
 Steel, Alloy. J. A. Succop. 1,775,615; Sept. 9.
 Steel alloy insensible to hot gases and vapors. B. Strauss. 1,787,403; Dec. 30.
 Steel and other metals, Casting. A. G. E. Hultgren. 1,775,859; Sept. 16.
 Steel and rubber article, Composite. B. Bronson. 1,784,781; Dec. 9.
 Steel, Apparatus and process for tempering. A. O. Dennis. 1,751,269; Mar. 18.
 Steel articles, Nitriding. R. Sergeson. 1,748,623; Feb. 25.
 Steel articles, Zone hardening. J. R. Adams. 1,783,764; Dec. 2.
 Steel bleacher. H. D. Oberdorfer and R. R. Bramhall. 1,744,137; Jan. 21.
 Steel bore-contracting means, Drill. G. C. Pearson. 1,774,290; Aug. 26.
 Steel building-frame construction. J. H. Edwards. 1,757,359; May 6.
 Steel castings in permanent molds, Making. J. W. Bettendorf. 1,746,300; Feb. 11.
 Steel, Changing the properties of silicon. J. C. Karcher. 1,752,490; Apr. 1.
 Steel, Enameled sheet. H. C. Harvey. 1,776,116; Sept. 16.
 Steel felly and rim construction. A. S. Van Halteren. 1,757,275; May 6.
 Steel framework construction. W. L. Ross. 1,775,572; Sept. 9.
 Steel, Heat treatment of. W. B. Sullivan. 1,766,314; June 24.
 Steel hull and building the same. G. G. Holbrook. 1,782,422; Nov. 25.
 Steel in an open-hearth furnace, Producing. R. Durrer, F. C. Siemens, and A. Sprenger. 1,752,374; Apr. 1.
 Steel joist, Structural-. R. L. McIntyre. 1,772,358; Aug. 5.
 Steel lay brace. C. J. Lindegren. 1,752,443; Apr. 1.
 Steel, Making reinforced noncorrosive. P. A. E. Armstrong. 1,757,790; May 6.
 Steel manufacture. E. H. Graf. 1,777,081; Sept. 30.
 Steel, Manufacture of. E. C. Smith. 1,744,418; Jan. 21.
 Steel, Manufacture of low-carbon chrome. F. O. Kichline. 1,785,199; Dec. 16.
 Steel, Manufacture of silicon. W. J. Wooldridge. 1,773,157; Aug. 19.
 Steel, Manufacturing. J. K. Smith. 1,742,487; Jan. 7.
 Steel, Manufacturing hollow drill. O. A. E. Gumaellus. 1,763,651; June 17.
 Steel or steel alloys from titaniferous ores and iron sands, Direct production of. F. A. de Silva and C. G. Carlisle. 1,745,360; Feb. 4.
 Steel pole. C. de Witt. Re17,834; Oct. 21.
 Steel pole. C. DeWitt. 1,743,439; Jan. 14.
 Steel printing body and producing the same. H. S. Sadtler. Re17,805; Sept. 16.
 Steel, Production of strip. H. P. Parrock. 1,744,670; Jan. 21.
 Steel puller. G. M. Nell. 1,760,276; May 27.
 Steel, Rail. J. K. Smith. 1,774,189; Aug. 26.
 Steel reinforcement in concrete pavements, Device for the installation of. W. S. Edge. 1,760,350; May 27.
 Steel retainer. F. H. Thoms. 1,753,034; Apr. 1.
 Steel retainer. G. G. Tuttle. 1,770,680; July 15.
 Steel-retaining device, Drill-. C. A. Hultquist. 1,758,949; May 20.
 Steel, Rolling alloy. H. M. Givens, F. B. Foley, and J. L. Cox. 1,786,297; Dec. 23.
 Steel, Silicon. V. B. Browne. 1,784,811; Dec. 16.
 Steel, Stable-surface alloy. R. P. De Vries. 1,759,605-6; May 20.
 Steel, Stable-surface alloy. R. P. De Vries. 1,763,421; June 10.
 Steel, Stable-surface alloy. R. P. De Vries. 1,768,578; July 1.
 Steel, Strain-hardening. F. A. Fahrenwald. 1,784,866; Dec. 16.

- Steel structures, Apparatus for erecting columns of. W. H. Lotts. 1,768,484; June 24.
- Steel tower, Tubular. B. W. Connely and O. J. Haller. 1,773,030; Aug. 12.
- Steel tubes, Apparatus for forming oval structural high-carbon-. F. P. Vincent. 1,778,438; Oct. 14.
- Steel-veneered panel and making the same, Embossed. I. R. Swanson. 1,744,345; Jan. 21.
- Steel wheel, Pressed-. J. G. Swain. Re17,589; Feb. 11.
- Steel-wool filament. W. H. Robbins. 1,772,016; Aug. 5.
- Steel wool or the like, Method of and apparatus for producing. J. F. Jeannin. 1,779,318; Oct. 21.
- Steels, Manufacture of alloy. A. D. Shankland. 1,749,678; Mar. 4.
- Steering and propelling device. J. D. Russell. 1,774,848; Sept. 2.
- Steering apparatus, Aeroplane-. R. Guillemette. 1,785,306; Dec. 16.
- Steering apparatus for automobiles. F. M. Holaday. 1,763,785; June 17.
- Steering apparatus of automobiles, Automatic. T. Takehara. 1,771,825; July 29.
- Steering apparatus, Vehicle. J. E. Wright. 1,767,033; June 24.
- Steering arm. J. O. Almen and O. Rasmussen. 1,761,957; June 3.
- Steering arm, Rubber-insulated. F. L. Lipcot. 1,748,074; Feb. 25.
- Steering attachment, Cultivator-. C. A. Nielsen. 1,757,974; May 13.
- Steering attachment for tractors. F. L. Willrodt. Re17,780; Aug. 26.
- Steering attachment for tractors. F. L. Willrodt. 1,776,940; Sept. 30.
- Steering-column switch. E. N. Jacobi. 1,764,169; June 17.
- Steering-control system for vehicles. H. A. Knox and B. F. Baker. 1,785,738; Dec. 23.
- Steering device. O. N. Farley. 1,750,585; Mar. 11.
- Steering device. A. I. Linden. 1,755,299; Apr. 22.
- Steering device. Z. H. Williams. 1,777,189; Sept. 30.
- Steering device, Automatic tractor. M. B. Williams. 1,755,623; Apr. 22.
- Steering device, Automotive vehicle. F. W. Hunt. 1,742,352; Jan. 7.
- Steering device, Electric. J. A. Mellon. 1,787,320; Dec. 30.
- Steering device for automobiles, Concave-worm. O. N. Farley. 1,779,623; Oct. 28.
- Steering device for motor vehicles. H. Schneider. 1,773,794; Aug. 26.
- Steering device, Ship. C. F. Selzer. 1,783,752; Dec. 2.
- Steering device, Trailer-. L. E. Williams. 1,784,263; Dec. 9.
- Steering gear. L. Van H. Armstrong. 1,753,039; Apr. 1.
- Steering gear. J. A. Barnhart. 1,760,733; May 27.
- Steering gear. F. F. Chandler. 1,784,044; Dec. 9.
- Steering gear. R. G. Coates. 1,774,634; Sept. 2.
- Steering gear. J. F. P. Gillespie. 1,760,749; May 27.
- Steering gear. A. G. Henricks and H. L. Mitchell. 1,767,524; June 24.
- Steering gear. G. E. Lemon. 1,763,470; June 10.
- Steering gear. D. E. Ross. 1,767,188; June 24.
- Steering gear, Automobile. R. S. Burdette. 1,760,935; June 3.
- Steering gear for airships. J. D. Langdon. 1,747,251; Feb. 18.
- Steering gear for motor vehicles. J. Claude. 1,748,061; Feb. 25.
- Steering gear for vehicles. M. Vedovelli. 1,787,345; Dec. 30.
- Steering gear, Marine. D. Bailey. 1,759,082; May 20.
- Steering guide for automobiles. C. R. Ragsdale. 1,771,817; July 29.
- Steering knuckle. A. P. Heldenbrand. 1,750,518; Mar. 11.
- Steering-knuckle lubrication. T. R. Thomas. 1,748,924; Feb. 25.
- Steering machine. A. A. Johnson. 1,776,118; Sept. 16.
- Steering means for water craft. J. E. Howard. 1,745,370; Feb. 4.
- Steering mechanism. J. I. Gruss. 1,763,700; June 17.
- Steering mechanism. W. R. Hendrix. 1,749,816; Mar. 11.
- Steering mechanism. C. B. King and B. Jacoby. 1,745,995; Feb. 4.
- Steering mechanism. H. L. Kraefft. 1,764,730; June 17.
- Steering mechanism. E. F. Norelius. 1,767,254; June 24.
- Steering mechanism. D. G. Roos. 1,781,705; Nov. 18.
- Steering mechanism, Aeroplane. H. S. Bell. 1,747,344; Feb. 18.
- Steering mechanism for coaster wagons. F. Leicht. 1,784,017; Dec. 9.
- Steering mechanism for motor vehicles. C. R. Waseige. 1,752,624; Apr. 1.
- Steering mechanism for self-propelled vehicles. G. Holmes. 1,783,288; Dec. 2.
- Steering mechanism for tractors. D. Parrett. 1,758,758; May 13.
- Steering mechanism for trailers. J. P. Hartwig. 1,777,562; Oct. 7.
- Steering mechanism for trailers. W. E. Plank. 1,745,117; Jan. 28.
- Steering mechanism for vehicles. O. Haase. 1,782,265; Nov. 18.
- Steering mechanism, Pneumatic. C. L. Stokes. 1,775,176; Sept. 9.
- Steering mechanism, Pneumatic. C. L. Stokes and C. F. Lienesch. 1,777,109; Sept. 30.
- Steering mechanism, Power. W. L. McDonald. 1,787,319; Dec. 30.
- Steering mechanism, Vehicle. W. W. Fuller. 1,747,768; Feb. 18.
- Steering of endless-track vehicles. L. Saives. 1,758,806; May 13.
- Steering pole for auto trailers. P. A. Paradis. 1,776,978; Sept. 30.
- Steering-post mounting for toy vehicles. M. S. Furman. 1,748,567; Feb. 25.
- Steering-shaft lock. F. E. Bauermeister. 1,786,186; Dec. 23.
- Steering sight adapted to be fitted to the mudguards of motor vehicles. O. Rensonnet. 1,784,466; Dec. 9.
- Steering stabilizer. N. E. Joaquin. 1,787,042; Dec. 30.
- Steering wheel. G. G. Behn. 1,746,183; Feb. 4.
- Steering wheel. H. D. Geyer. 1,761,525; June 3.
- Steering wheel. H. T. Kraft. 1,777,315; Oct. 7.
- Steering wheel. H. T. Kraft. 1,784,733; Dec. 9.
- Steering wheel. H. E. Sheller. 1,779,219; Oct. 21.
- Steering wheel. P. S. Swanson. Des. 82,190; Sept. 30.
- Steering wheel. E. V. J. Tower. 1,761,374; June 3.
- Steering wheel and brake. A. I. Marcum. 1,761,044; June 3.
- Steering wheel, One-piece rim and spider. H. D. Geyer. 1,785,897; Dec. 23.
- Steering-wheel switch. L. Hamer. 1,745,615; Feb. 4.
- Stem, Cluster. G. Brown. 1,756,675; Apr. 29.
- Stemming apparatus. J. Gough. 1,774,899; Sept. 2.
- Stencil. A. J. Walker. 1,781,258; Nov. 11.
- Stencil, Dry. H. Gordenstein. 1,761,722; June 3.
- Stencil, Lacquer. A. L. Gray. 1,744,464; Jan. 21.
- Stencil manufacture. A. B. Davis. 1,771,165; July 22.
- Stencil printing machine. J. H. Petersen. 1,783,810; Dec. 2.
- Stencil prints, Apparatus for making. R. Tull and R. J. Smith. 1,776,459; Sept. 23.
- Stencil sheet. L. F. D'Autremont. 1,781,834; Nov. 18.
- Stencil sheet. S. Horii. 1,753,204-5; Apr. 8.
- Stencil sheet. S. Horii. 1,770,697; July 15.
- Stencil sheet. S. Horii. 1,785,260; Dec. 16.
- Stencil sheet. E. E. Novotny. 1,776,368; Sept. 23.
- Stencil sheet and applying same to workable surfaces. L. D. Davis. 1,744,870; Jan. 28.
- Stencil sheet and manufacturing the same. A. B. Davis. 1,763,955; June 17.
- Stencil sheet and preparing coating therefor. P. A. and N. Gollnick. 1,758,789; May 13.
- Stencil sheet for use in duplicating. A. de Waele. 1,744,755; Jan. 28.
- Stencil sheets, Backing for. S. Horii. 1,780,391; Nov. 4.
- Stencil sheets for use in duplicating, Production of. A. de Waele. 1,749,241; Mar. 4.
- Stenciling. H. S. McClellan. 1,782,541; Nov. 25.
- Stenciling. B. P. Scott. 1,784,912; Dec. 16.
- Stenciling apparatus. E. R. Van Bergen. 1,784,616; Dec. 9.
- Stenciling machine. W. R. Hamlin. 1,742,249; Jan. 7.
- Stenciling on cloth, Method and apparatus for. C. F. Kennedy. 1,786,347; Dec. 23.
- Stencils for multicolor work, Making cloth. R. Tull. 1,785,922; Dec. 23.
- Step. J. R. Blackhall. 1,754,783; Apr. 15.
- Step. A. Henderson. 1,768,061; June 24.
- Step and the like, Concrete. C. D. Floto. 1,745,087; Jan. 28.
- Step for freight cars. G. E. Large. 1,760,200; May 27.
- Step for vehicles, Adjustable. C. Dodds. 1,762,052; June 3.
- Stepladder. L. Benintende. 1,754,194; Apr. 8.
- Stepladder. L. Briles. 1,742,304; Jan. 7.
- Stepladder. H. C. Hachmuth. 1,783,616; Dec. 2.
- Stepladder. J. Konigsberg. 1,778,898; Oct. 21.
- Stepladder. E. A. Strauss. 1,759,424; May 20.
- Stepladder, Folding. V. F. Francois. 1,772,213; Aug. 5.
- Stepladder, pressing board, and table combined. D. A. White. 1,744,997; Jan. 28.
- Step-plate, Automobile. C. A. Dunham. Des. 82,214; Oct. 7.
- Step plate for the running boards of vehicles. J. E. Waggoner. 1,765,891; June 24.
- Stereoscope. H. Lüscher. 1,749,220; Mar. 4.
- Stereoscope, Measuring. L. J. R. Holst. 1,756,062; Apr. 29.
- Stereoscope, Topographical. A. Barr and W. Stroud. 1,743,952; Jan. 14.
- Stereoscopic apparatus. W. P. Reaves. 1,751,530; Mar. 25.
- Stereoscopic measuring instrument. R. Hegershoff. 1,785,448; Dec. 16.
- Stereoscopic views, System for mounting. A. W. Engel. 1,784,227; Dec. 9.
- Stereotype-casting machine. R. A. Brown. 1,779,873; Oct. 28.
- Stereotype-casting machine. R. A. Brown. 1,780,062-3; Oct. 28.
- Stereotype mat. A. W. Schorger. 1,778,125; Oct. 14.
- Stereotype matrices, Treating dry. A. W. Cochran and H. W. Dewey. 1,758,248; May 13.
- Stereotype matrix. J. A. Isbell. 1,746,946; Feb. 11.
- Stereotype-plate-casting machine. C. A. Rupp. 1,766,692; June 24.

- Stereotype-plate-casting machine, Multiple. H. A. W. Wood. 1,785,164; Dec. 16.
- Stereotype-plate-cooling apparatus. O. C. Roesen. 1,783,345; Dec. 2.
- Sterile injection liquids, Manufacturing permanently-. E. Schulze. 1,776,010; Sept. 16.
- Sterilization. J. W. Yates. 1,754,251; Apr. 15.
- Sterilization apparatus, Fig-. J. G. Tyler, C. C. Taylor and W. S. Johnson. 1,782,522; Nov. 25.
- Sterilizer. L. B. Andresen. 1,767,034; June 24.
- Sterilizer. W. H. Kathman. 1,742,545; Jan. 7.
- Sterilizer. J. O'Connell and H. H. Kerr. 1,745,906; Feb. 4.
- Sterilizer. P. P. Pupilla. 1,755,895; Apr. 22.
- Sterilizer. O. W. Randolph. 1,763,538; June 10.
- Sterilizer. G. H. Schwedler. 1,750,245; Mar. 11.
- Sterilizer. A. Zinna. 1,744,854; Jan. 28.
- Sterilizer, Electrically-operative. D. W. Herbert. 1,778,704; Oct. 14.
- Sterilizer for bottles. L. M. Rakestraw. 1,758,537; May 13.
- Sterilizer for clippers. R. Goodwin. 1,777,521; Oct. 7.
- Sterilizer, Fruit-box. E. M. Wheeler. 1,779,152; Oct. 21.
- Sterilizer, Telephone-mouthpiece. G. L. Clare. 1,772,129; Aug. 5.
- Sterilizing apparatus. G. H. Schwedler. 1,777,862; Oct. 7.
- Sterilizing apparatus, Dish-. F. F. Kauffmann. 1,749,947; Mar. 11.
- Sterilizing apparatus, Milk-. A. Woodrich. 1,775,579; Sept. 9.
- Stern construction for motor boats and the like. J. C. Small. 1,755,709; Apr. 22.
- Stethoscope. H. S. Jones. 1,744,166; Jan. 21.
- Stick pin. F. B. Vollman. Des. 81,607-8; July 15.
- Stiffener and aligner for hollow-metal doors and casement windows. E. H. Ellison. 1,769,424; July 1.
- Stiffeners for boots and shoes, Device for softening. H. L. Sawyer. 1,783,587; Dec. 2.
- Stile for window frames, Movable. H. M. Steinmetz. 1,750,974; Mar. 18.
- Still. J. A. Campbell. 1,754,605; Apr. 15.
- Still, Continuous-cracking. W. C. Bailey. 1,766,209; June 24.
- Still, Oil. D. S. Jacobus. 1,779,434; Oct. 28.
- Still, Oil. W. A. Jones. 1,776,437; Sept. 23.
- Still, Oil. A. C. Vobach and E. C. Herthel. 1,756,407; Apr. 29.
- Still, Oil-cracking. L. B. Cuddy. 1,760,400; May 27.
- Still, Water. A. Sorensen. 1,762,898; June 10.
- Stills, etc., Clean-out elbow for cracking. F. C. Fantz. 1,752,332; Apr. 1.
- Stills, Flue-gas recirculation system for shell. H. A. Atwater. 1,779,405; Oct. 28.
- Stills, Stuffing box for pressure. F. E. Wellman. 1,745,200; Jan. 28.
- Stills, Vapor outlet for. R. E. Wilson. 1,767,196; June 24.
- Stippling device. J. Rangitsch. 1,772,520; Aug. 12.
- Stirrer and container for sirup, Manual. T. J. Chrul. 1,761,613; June 3.
- Stirrer and sampler, Combination cream and milk. O. E. Harris. 1,761,298; June 3.
- Stirrer mechanism. W. Dierks. 1,782,957; Nov. 25.
- Stirrup. A. D. Cameron. 1,758,930; May 20.
- Stirrup assembly, Reinforcing. W. C. Barber. 1,772,741; Aug. 12.
- Stirrup for concrete reenforcing unit. W. R. Madden. 1,759,316; May 20.
- Stirrup, Walking-beam. H. H. Franks. 1,784,003; Dec. 9.
- Stitch remover. B. M. White. 1,770,117; July 8.
- Stitcher for tire-building machines. G. F. Wikle. 1,760,929; June 3.
- Stitcher head. H. G. Allen. 1,760,031; May 27.
- Stitcher head. J. L. Walker and G. D. Alexis. 1,748,261; Feb. 25.
- Stitching device, Turn-under. C. H. Desautels. 1,762,856; June 10.
- Stitching machine. F. L. Manny. 1,762,927; June 10.
- Stitching, Method of and apparatus for corner. H. R. Bliss and H. G. Allen. 1,745,596; Feb. 4.
- Stock and cash keeper. F. G. Diago. 1,776,754; Sept. 23.
- Stock and die. L. W. Jones. 1,760,502; May 27.
- Stock, Apparatus for bundling scrap. N. C. Guiden. 1,761,124; June 3.
- Stock carrier and delivery device. W. H. Davis. 1,745,784; Feb. 4.
- Stock feed, Lathe-driven tail-. E. G. Forsberg. 1,772,940; Aug. 12.
- Stock-fitting machine. W. D. Shaffer. 1,778,963; Oct. 21.
- Stock-fitting machine. H. Warren. 1,746,329; Feb. 11.
- Stock gate. W. P. Thatch. 1,751,669; Mar. 25.
- Stock indicator. J. S. Rowan and G. Fox. 1,760,609; May 27.
- Stock quotations, Graphical recording means for. H. B. Holland. 1,772,605; Aug. 12.
- Stock regulator. W. P. Feeney. 1,763,691; June 17.
- Stock remover. E. D. Weaver and C. A. Cobb. 1,757,067; May 6.
- Stock-trimming device. P. W. Lehman. 1,762,826; June 10.
- Stock waterer. F. M. Hupp. 1,782,350; Nov. 18.
- Stock waterer. T. Ritchie. 1,777,577; Oct. 7.
- Stock waterer. J. Ruskamp. 1,782,075; Nov. 18.
- Stocking. W. D. Butz. Des. 82,792-6; Dec. 16.
- Stocking. W. D. Butz. 1,752,587; Apr. 1.
- Stocking. I. N. de Martinez. Des. 82,080; Sept. 23.
- Stocking. G. Fedden. Des. 82,142; Sept. 30.
- Stocking. A. E. Ischinger. Des. 81,444-5; June 24.
- Stocking. A. E. Ischinger. Des. 81,585; July 15.
- Stocking. A. E. Ischinger. Des. 81,649-50; July 22.
- Stocking. W. Lauber. Des. 81,801; Aug. 12.
- Stocking. E. R. Meinig. Des. 80,388; Jan. 21.
- Stocking. E. O. Nebel. Des. 82,275; Oct. 14.
- Stocking. J. P. Nissen. Des. 82,050; Sept. 16.
- Stocking. J. E. Quinn. Des. 80,287; Jan. 7.
- Stocking. J. I. Schwadron. Des. 80,857; Apr. 1.
- Stocking. V. Veitel. Des. 82,229; Oct. 7.
- Stocking. E. M. Wall. 1,762,601; June 10.
- Stocking and making. W. S. Parker. 1,763,367; June 10.
- Stocking-ankle-machine attachment. R. Breyer. 1,575,167; May 6.
- Stocking, Combined comfort and health. H. R. Bass. 1,775,714; Sept. 16.
- Stocking, Full-fashioned. C. F. Mack. 1,778,221; Oct. 14.
- Stocking hanger. H. Schilpp. 1,750,905; Mar. 18.
- Stocking-inspecting device. A. C. Schoen. 1,764,986; June 17.
- Stocking marker. C. T. La Mont. 1,753,865; Apr. 8.
- Stocking-protecting footwear. A. A. Theodoropoulos. 1,756,525; Apr. 29.
- Stocking protector. E. B. Bishop. 1,754,666; Apr. 15.
- Stocking protector. C. Lorenz and E. Boecher. 1,785,033; Dec. 16.
- Stocking, Split-foot. W. L. Lengel. 1,759,754; May 20.
- Stocking, Striped. E. T. Floyd. 1,787,365; Dec. 30.
- Stocking tree. O. J. Howe. 1,770,925; July 22.
- Stocking, Varicose. A. Mouthe. 1,786,862; Dec. 30.
- Stockings, Manufacture of fashioned. M. Wieland. 1,746,846; Feb. 11.
- Stoker. J. C. Heavey. 1,760,594; May 27.
- Stoker. N. M. Lower, A. K. Kusebauch, and A. R. Chalker. 1,774,519; Sept. 2.
- Stoker. J. Morris. 1,775,171; Sept. 9.
- Stoker. F. P. Roesch, F. Hopper, and A. M. Hunt. 1,777,017; Sept. 30.
- Stoker. E. A. Turner. 1,744,595; Jan. 21.
- Stoker attachment. R. H. S. Hughes. 1,753,050; Apr. 1.
- Stoker, Automatic. A. O. Dady. 1,766,056; June 24.
- Stoker construction. R. L. Beers. 1,770,061; Apr. 1.
- Stoker distributing means. A. M. Hunt. 1,773,103; Aug. 19.
- Stoker for forced-draft furnaces, Mechanical. H. E. Witz. 1,781,487; Nov. 11.
- Stoker, Grain. A. Lethieq. 1,764,272; June 17.
- Stoker-grate agitator. C. F. Miller. 1,760,248; May 27.
- Stoker, Inside feed. N. M. Lower, D. F. Crawford, and E. A. Turner. 1,757,581; May 6.
- Stoker, Inside feed. N. M. Lower, L. E. Osborne, and E. A. Turner. 1,757,580; May 6.
- Stoker, Locomotive. N. M. Lower. 1,774,518; Sept. 2.
- Stoker, Locomotive. N. M. Lower, A. R. Chalker, and R. L. McCurdy. 1,771,799; July 29.
- Stoker, Locomotive. N. M. Lower and E. A. Turner. 1,749,041; Mar. 4.
- Stoker, Locomotive. E. A. Turner. 1,760,221; May 27.
- Stoker mechanism. E. A. Turner. 1,779,570; Oct. 28.
- Stoker, Mechanical. W. M. Duncan. 1,758,075; May 13.
- Stoker, Mechanical. W. M. Duncan. 1,784,001; Dec. 9.
- Stoker, Power-feed. G. A. Kohout. 1,752,801; Apr. 1.
- Stoker system. A. M. Hunt. 1,771,789; July 29.
- Stoker, Traveling grate. W. D. Yerrick and J. W. Peck. 1,761,029; June 3.
- Stoker, Underfeed. R. L. Beers. 1,755,146; Apr. 15.
- Stoker, Underfeed. R. S. Riley. 1,760,256; May 27.
- Stoker, Underfeed. R. S. Riley and J. H. McElroy. 1,780,796; Nov. 4.
- Stoker, Vacuum-controlled. F. P. Roesch. 1,773,078; Aug. 12.
- Stokers, Time control for. T. H. Banfield. 1,778,349; Oct. 14.
- Stone and making same, Artificial. I. J. Smith. 1,782,748; Nov. 25.
- Stone, Artificial semiprecious. G. J. Wider. 1,780,145; Oct. 28.
- Stone crusher. A. Müller. 1,771,505; July 29.
- Stonecutter. A. W. Wolfe. 1,754,539; Apr. 15.
- Stone cutting and polishing machine. R. B. Jones. 1,785,737; Dec. 23.
- Stonecutting machine. J. A. Hall and W. L. Newell. 1,772,001; Aug. 5.
- Stonecutting machine. C. Hepburn. 1,768,525; June 24.
- Stone distributor. C. W. Kerr. 1,755,120; Apr. 15.
- Stone-gathering machine. O. F. Reiter. 1,786,170; Dec. 23.
- Stone-polishing machine. J. Inwald and I. Haskell. 1,777,726; Oct. 7.
- Stone, Precious, semiprecious, or synthetic cut. J. Dinhofer. Des. 81,375-82; June 17.
- Stone spreader. D. M. Renton, E. N. Long, Jr., and A. E. Murphy. 1,784,202; Dec. 9.
- Stone-surfacing machine. J. Canning. 1,773,388; Aug. 19.
- Stone-working machine. F. A. Grearson and W. A. Lane. 1,755,873; Apr. 22.
- Stoneworking machine. P. S. Legge. 1,746,662; Feb. 11.
- Stoneworking machine. P. S. Legge. 1,751,931; Mar. 25.
- Stoneworking machine. J. Wegner. 1,778,132; Oct. 14.
- Stones, Production of artificial. J. Jakob. 1,758,518; May 13.

- Stool. J. H. Coates, R. S. Howe, and W. F. Costello. 1,785,768; Dec. 23.
- Stool. C. F. Miller. 1,762,275; June 10.
- Stool and bucket, Sanitary milking. C. W. Stevens. 1,748,314; Feb. 25.
- Stool and stepladder, Combination. H. E. Barrows. 1,766,771; June 24.
- Stool, Insulating nontilting. E. F. Shipman. 1,786,458; Dec. 30.
- Stool, ladder, and kitchen block, Combination. R. G. Gober. 1,753,372; Apr. 8.
- Stool, Milking. E. E. Peet. 1,760,716; May 27.
- Stool seat. L. M. Michelson and J. L. Haynes. 1,784,021; Dec. 9.
- Stool, Step. L. W. Harter. 1,746,589; Feb. 11.
- Stop and tail light, Combination. W. C. Dorman. 1,750,994; Mar. 18.
- Stop apparatus for engines, Safety. H. C. Wasson. 1,787,223; Dec. 30.
- Stop, Automatic. V. Anderson. 1,774,220; Aug. 26.
- Stop, Automatic. D. E. Washington. 1,749,172; Mar. 4.
- Stop, Auxiliary air-pressure. E. J. Olsen. 1,784,705; Dec. 9.
- Stopcock. F. C. Heylman. Re17,556; Jan. 7.
- Stop-control mechanism, Automatic. G. Bitzer. 1,779,999; Oct. 28.
- Stop device, Automatic. F. Oberst. 1,762,638; June 10.
- Stop, Draft and noise. C. F. Wyatt. 1,781,864; Nov. 18.
- Stop for automobiles, Reverse. F. N. Bierce. 1,764,286; June 17.
- Stop for extruding machines, Automatic. F. J. Lynch. 1,782,360; Nov. 18.
- Stop for overhead carrying equipment. P. M. Hassler. 1,774,233; Aug. 26.
- Stop for sawmill-carriage headblocks, Adjusting. C. A. Carbaugh. 1,784,175; Dec. 9.
- Stop for vehicles, Backing. E. S. Hutton. 1,752,435; Apr. 1.
- Stop for vehicles, Safety. R. B. Burton. 1,749,066; Mar. 4.
- Stop-light switch. H. E. Norviel. 1,750,279; Mar. 11.
- Stop-light switch. J. W. White. 1,744,940; Jan. 28.
- Stop mechanism for detecting irregularities in wire feeding. W. H. Sommer. 1,783,947; Dec. 2.
- Stop mechanism for glass-feeding apparatus, Automatic. K. E. Peiler. 1,776,237; Sept. 16.
- Stop mechanism for sheet feeders, Automatic. J. E. Landers. 1,769,227; July 1.
- Stop mechanism for yarn-measuring spool winders, Adjustable. L. H. Hildebrandt. 1,755,396; Apr. 22.
- Stop motion, Automatic. E. L. Tiffany. 1,761,418; June 3.
- Stop motion for drawing frames. W. J. Scott. 1,761,413; June 3.
- Stop-motion separator, Warp. G. H. Shutt. 1,760,967; June 3.
- Stop or brake, Safety. E. A. Green and E. J. Bohn. 1,742,591; Jan. 7.
- Stop signal. V. Altman. 1,751,969; Mar. 25.
- Stop signal. H. J. Vasconcelles. 1,770,561; July 15.
- Stop signal, Automatic. J. G. Snip. 1,768,010; June 24.
- Stop signal, Vehicle. H. M. Smith. 1,784,884; Dec. 16.
- Stop, Window-sash. G. H. Paddock. 1,759,707; May 20.
- Stopper: See—
 Bottle stopper. Flue stopper.
 Dispensing stopper. Metal stopper.
- Stopper for dilution bottles. E. Escher, jr. 1,785,859; Dec. 23.
- Stopper for gas and water mains. P. Goodman. 1,760,750; May 27.
- Stoppers, Making. J. Broadhurst. 1,763,129; June 10.
- Stopping device for card-feeding machines. S. C. Bartholomew. 1,776,828; Sept. 30.
- Storage and display device for flat tableware articles. G. H. Waldman. 1,763,334; June 10.
- Storage and lock-up frame, Type-form. F. W. Muller. 1,784,533; Dec. 9.
- Storage apparatus. G. Subick. 1,773,888; Aug. 26.
- Storage battery. N. S. Amidon. 1,745,825; Feb. 4.
- Storage battery. C. J. Dunzweiler. 1,768,751; July 1.
- Storage battery. C. J. Dunzweiler. 1,776,552; Sept. 23.
- Storage battery. C. J. Dunzweiler. 1,786,742; Dec. 30.
- Storage battery. C. H. Everett. 1,770,974-5; July 22.
- Storage battery. B. Ford. 1,758,506; May 13.
- Storage battery. E. D. Hawk. 1,768,906; July 1.
- Storage battery. H. E. von Grimmenstein. 1,778,613; Oct. 14.
- Storage battery, Alkaline. J. F. Monnot. 1,780,935; Nov. 11.
- Storage-battery carrier. W. A. Bishman. 1,752,143; Mar. 25.
- Storage battery, Electric. C. E. Linebarger. 1,785,963; Dec. 23.
- Storage bin. A. P. Skaer. 1,783,003; Nov. 25.
- Storage box. C. L. Clark. 1,757,618; May 6.
- Storage device for volatile liquids. H. Howard. 1,776,907-8; Sept. 30.
- Storage heater, Electric. G. S. Tune. 1,749,115; Mar. 4.
- Storage of explosive gases and making same, Porous mass for the. G. Dalen. 1,767,514; June 24.
- Storage plant to preserve by natural and artificial means. J. B. Killion. 1,747,304; Feb. 18.
- Storage system. H. E. Young. 1,775,799; Sept. 16.
- Storage tank. J. F. Patterson. 1,747,840; Feb. 18.
- Storage tank. J. F. Patterson. 1,752,197; Mar. 25.
- Storage tank. W. K. Russell. 1,757,923; May 6.
- Storage tank. E. B. Tolman, jr. 1,760,094; May 27.
- Storage tank, Air-. E. A. Pennington. 1,782,271; Nov. 18.
- Storage tank, Gasoline-. C. M. Brill. 1,763,950; June 17.
- Storage tank, Liquid-. D. D. Williams and H. B. Murphey. 1,761,697; June 3.
- Storage tank, Oil-. W. C. Athan. 1,773,930; Aug. 26.
- Store equipment, Self-service. J. F. Smiley. 1,750,060; Mar. 11.
- Store front. J. J. Daly. Des. 81,051; Apr. 29.
- Store front. A. I. Elias. Des. 82,804; Dec. 16.
- Store front. J. Ellis. Des. 80,608; Mar. 4.
- Store front. V. Hagopian. Des. 82,150; Sept. 30.
- Store front. E. L. Ilson. Des. 81,008; Apr. 22.
- Store front. W. Kirsner. Des. 81,541; July 8.
- Store front. Z. S. Osborn. 1,756,099; Apr. 29.
- Store front. J. R. Wolf. Des. 82,923; Dec. 23.
- Store-front construction. F. and I. Himmel. 1,784,689; Dec. 9.
- Store-front construction. F. J. Plym. 1,768,628; July 1.
- Store-front construction. H. C. Reuter. 1,776,818; Sept. 30.
- Store-front construction. H. Rubin. 1,759,818; May 20.
- Store front or window construction. S. C. Dreher. 1,776,231; Sept. 16.
- Store, Self-serving. J. N. Grant. 1,751,199; Mar. 18.
- Store-service device. J. J. Moss. 1,773,540; Aug. 19.
- Stove. H. H. Fleer. Des. 82,668; Dec. 2.
- Stove. F. H. Hayes. Des. 80,726; Mar. 18.
- Stove. H. P. Kunkel. Des. 81,656; July 22.
- Stove. J. E. Leonard. Des. 82,038; Sept. 16.
- Stove. W. L. Sharp. 1,757,593; May 6.
- Stove. E. G. Walbridge. 1,775,980; Sept. 16.
- Stove and attachment, Electric. V. A. Kincannon. 1,751,241; Mar. 18.
- Stove and fuel connection, Reversible. L. Moore and C. M. Dibble. 1,751,095; Mar. 18.
- Stove and furnace. L. Moe. 1,743,072; Jan. 7.
- Stove bottom. E. L. Baker. 1,744,728; Jan. 28.
- Stove, Brooder. G. T. Markey. 1,780,430; Nov. 4.
- Stove cabinet. H. C. Biette. 1,773,341; Aug. 19.
- Stove, Camp. O. Horsrud and E. J. Nielsen. 1,775,165; Sept. 9.
- Stove, Camp. A. J. Yeager. 1,742,458; Jan. 7.
- Stove, Chicken-brooder. L. Maddalena. 1,749,710; Mar. 4.
- Stove, Collapsible camp. G. G. Dorman. 1,780,068; Oct. 28.
- Stove, Combined cooking and heating. C. H. Lyon. 1,771,303; July 22.
- Stove, Combined heating and cooking. J. Bulkowski. 1,775,157; Sept. 9.
- Stove construction. L. Dana. 1,766,111; June 24.
- Stove construction. C. M. Dibble. 1,744,264; Jan. 21.
- Stove construction. A. G. Sherman. 1,755,671; Apr. 22.
- Stove construction, Vapor-. A. J. Yeager. 1,749,174; Mar. 4.
- Stove, Cook. E. C. Giesleman. 1,776,756; Sept. 23.
- Stove, Cooking. W. L. Cooper. Des. 80,564; Feb. 25.
- Stove, Cooking. W. L. Cooper. 1,742,199; Jan. 7.
- Stove, Cooking. E. C. Hoffmann. 1,778,943; Oct. 21.
- Stove, Cooking. L. Pondal. 1,772,961; Aug. 12.
- Stove, Electric. C. C. Armstrong. 1,756,721; Apr. 29.
- Stove, Electric. S. H. Hobson. 1,747,242; Feb. 18.
- Stove, Electric. T. M. Putnam. Des. 81,107; May 6.
- Stove, Gas. J. M. Dungan. 1,755,474; Apr. 22.
- Stove, Gas. H. R. Humphrey. 1,766,075; June 24.
- Stove, Gas. A. J. Lindemann. 1,772,870; Aug. 12.
- Stove, Gas. G. C. Maxwell and W. McCarthy, jr. 1,744,403; Jan. 21.
- Stove, Gas. A. J. Reedy. Des. 82,850; Dec. 16.
- Stove, Gas. W. F. Rogers. Des. 82,851; Dec. 16.
- Stove, Gas. W. F. Rogers. 1,773,754; Aug. 26.
- Stove, Heating. S. G. Cook. 1,767,963; June 24.
- Stove, Heating. H. L. McKown. 1,752,387; Apr. 1.
- Stove, Heating. G. E. Pickup. Des. 82,955; Dec. 30.
- Stove, Heating. J. Winter. 1,760,931; June 3.
- Stove, Knockdown. H. Oonk. 1,785,143; Dec. 16.
- Stove, Liquid-fuel. W. L. Cooper, and L. D. Fortier. 1,787,189; Dec. 30.
- Stove, Liquid-fuel. G. E. Pickup. Des. 80,490; Feb. 11.
- Stove, Liquid-fuel. G. E. Pickup. 1,745,708; Feb. 4.
- Stove, Liquid-fuel. G. E. Pickup. 1,771,653; July 29.
- Stove, Liquid-fuel cook. L. D. Fortier. 1,780,421; Nov. 4.
- Stove, Oil. R. M. Sherman. 1,783,392; Dec. 2.
- Stove, Oil. A. C. Sladky and J. Sladky. 1,774,244; Aug. 26.
- Stove, Oil-burning. C. Siebring. 1,756,391; Apr. 29.
- Stove, Oil heating. W. L. Cooper. 1,784,000; Dec. 9.
- Stove or range, Cooking. E. C. Hoffmann. 1,745,618; Feb. 4.
- Stove or range, Gas cooking. A. J. Reedy. 1,772,496; Aug. 12.
- Stove or similar article, Electric. W. Noble. Des. 82,342; Oct. 21.
- Stove, Orchard-heating. M. D. Smith. 1,774,111; Aug. 26.
- Stove, Park. J. and K. Mayer. 1,778,330; Oct. 14.
- Stovepipe. G. McNee. 1,756,696; Apr. 29.
- Stove, Portable hydrocarbon. W. C. Lindemann. 1,782,008; Nov. 18.
- Stove rack. J. Lewis. 1,766,523; June 24.
- Stove, refrigerator, and sink, Combination. G. O. Murray. Des. 82,388; Oct. 28.
- Stoves and the like, Drawer construction in. G. E. Pickup. 1,781,524; Nov. 11.

- Stoves, Construction of. G. S. Morley. 1,750,853; Mar. 18.
- Straightedge. J. W. Heltzel. 1,753,414; Apr. 8.
- Straightedge and reinforcing device. J. Zarba. 1,762,254; June 10.
- Straightening machine. B. P. Hazeltine. 1,758,699; May 13.
- Straight-line-discharge protector. H. N. Seslar. 1,773,014; Aug. 12.
- Straight-line motion of lenses, Producing a. W. E. John. 1,768,772; July 1.
- Strain clamp. N. A. Wahlberg. 1,764,372; June 17.
- Strainer. T. W. Blakeman. 1,750,158; Mar. 11.
- Strainer. E. Curtis and E. A. Mummé. 1,742,950; Jan. 7.
- Strainer. W. M. Dillon. Re17,685; May 27.
- Strainer. A. T. Dwight. 1,783,111; Nov. 25.
- Strainer. D. Larkin. 1,782,538; Nov. 25.
- Strainer. R. A. Meyer. 1,767,221; June 24.
- Strainer. A. W. Morse and W. E. Wohlheim. 1,774,758; Sept. 2.
- Strainer. J. Salvatore. 1,757,977; May 13.
- Strainer and check valve, Combined. W. Wishart. 1,775,744; Sept. 16.
- Strainer and assembling same. R. T. De Voe. 1,763,346; June 10.
- Strainer, Eaves-trough-drain. V. Renzulli. 1,767,773; June 24.
- Strainer, Engine-oil. W. S. Fisher. 1,773,134; Aug. 19.
- Strainer, Food. R. H. Carpenter. 1,753,693; Apr. 8.
- Strainer for cane mills. M. Lopez. 1,763,795; June 17.
- Strainer for milk pails. J. M. Westerberg. 1,767,269; June 24.
- Strainer, Internal-combustion-engine oil. W. S. Fisher. 1,759,447; May 20.
- Strainer, Juice. T. M. Nalon. 1,763,978; June 17.
- Strainer, Milk. C. E. Armstrong. 1,760,228; May 27.
- Strainer, Milk. J. Friberg. 1,755,919; Apr. 22.
- Strainer, Milk. H. F. McNally. 1,742,964; Jan. 7.
- Strainer, Milk. J. E. Russell. 1,778,689; Oct. 14.
- Strainer, Oil. R. C. Hopkins. 1,781,874; Nov. 18.
- Strainer, Outlet. J. Schifter. 1,746,683; Feb. 11.
- Strainer, Pulp. W. G. E. Smith. 1,747,684; Feb. 18.
- Strainer, Sanitary milk. M. M. McGonigal. 1,786,500; Dec. 30.
- Strainer, Sink. E. K. Robertson. 1,763,864; June 17.
- Strainer, Twin. W. S. Elliott. 1,758,565; May 13.
- Strainer, Well. H. F. Patton. 1,778,371; Oct. 14.
- Strainers, Making well. G. E. Willers. 1,763,996; June 17.
- Straining attachment for pans and kettles. R. W. Alexander. 1,781,995; Nov. 18.
- Straining device for vacuum drying apparatus. A. E. Jonsson. 1,748,955; Mar. 4.
- Strand-coating apparatus. J. Janicki. 1,759,850; May 27.
- Strand-distributing apparatus. C. H. Franks. 1,764,618; June 17.
- Strand-working machine. C. A. Dame. 1,778,848; Oct. 21.
- Strand-working mechanism. R. E. McFarland. 1,765,599; June 24.
- Stranded elements, Apparatus for impregnating. E. J. Whiffen. 1,745,285; Jan. 28.
- Stranding machine. A. F. Clements. 1,757,653; May 6.
- Stranding machine for the manufacture of wire ropes free from twist. V. Fürth. 1,773,038; Aug. 12.
- Strands, Apparatus for coating. R. D. Jessup. 1,782,425; Nov. 25.
- Strands for wire ropes, Method of and apparatus for manufacturing. F. Fescl. 1,779,309; Oct. 21.
- Strands, Method of and mechanism for knotting together. F. Klein. 1,776,912; Sept. 30.
- Strap: See—
- Box strap. Shoe strap.
- Bundle strap. Shoulder strap.
- Fixture strap. Watch strap.
- Metallic strap. Wrist-watch strap.
- Strap clamp, Door-. A. F. Paul. 1,787,017; Dec. 30.
- Strap construction for pumping powers, Eccentric. E. E. Greve. 1,761,389; June 3.
- Strap end connecting means. A. F. Bernard. 1,774,468; Aug. 26.
- Strap end member, Wrist-. S. A. Johnson. 1,778,029; Oct. 14.
- Strap-fastener clasp, Lingerie-. M. E. Mitmann. 1,745,553; Feb. 4.
- Strap for lighting fixtures or similar articles. O. Hoffmann. Des. 80,837; Apr. 1.
- Strap for overall pockets, Safety. O. C. Ballentine. 1,778,057; Oct. 14.
- Strap for suitcases, etc. B. H. Shwayder. 1,756,038; Apr. 29.
- Strap or toggle, Grip. C. P. Schlegel. 1,781,478; Nov. 11.
- Strap sealer, Pneumatic. S. W. Treat. 1,764,911; June 17.
- Strap-stretching device. C. M. MacChesney and R. H. Norton. 1,752,495; Apr. 1.
- Strap-stretching device. R. H. Norton. 1,784,025; Dec. 9.
- Strapping joint. J. W. Leslie. 1,783,192; Dec. 2.
- Strapping joint. J. W. Leslie. 1,783,247; Dec. 2.
- Strata, Determining the dip of. C. C. Thompson. 1,766,202; June 24.
- Straw-serving machine. S. Barkey. 1,755,045; Apr. 15.
- Straw spreader. W. F. MacGregor. 1,769,302; July 1.
- Straw spreader. L. McDow. 1,770,707; July 15.
- Straw-spreading attachment. S. A. Harn. 1,759,552; May 20.
- Straw stacker, Pneumatic. M. A. Kilwy. 1,747,548; Feb. 18.
- Straw wilter. C. R. Osgood. 1,754,522; Apr. 15.
- Stray-limiting device. H. L. Hoyt, jr., and B. Washington. 1,754,557; Apr. 15.
- Streamline arrow and string-engaging means therefor. E. G. Mead. 1,785,589; Dec. 16.
- Stream-line construction. L. J. Johnson. 1,763,970; June 17.
- Street button, Universal. F. M. Furey. 1,764,073; June 17.
- Street-indicating device. G. S. Searle. 1,771,013; July 22.
- Street indicator. M. M. Finn. 1,750,999; Mar. 18.
- Street indicator. W. S. Shaw. 1,758,476; May 13.
- Street indicator for street cars. A. E. Garbut, D. Cochrane, and J. E. Watkins. 1,757,458; May 6.
- Street-marking apparatus. W. B. Burnley. 1,764,546; June 17.
- Street parking space, Regulating the use of. C. C. Doyle. 1,752,071; Mar. 25.
- Street stop signal. W. A. Hines. 1,773,488; Aug. 19.
- Stress-measuring machine. M. Berman. 1,770,907; July 22.
- Stretcher. S. W. Treat. 1,762,535; June 10.
- Stretcher. E. Weber-Stierlin. 1,764,477; June 17.
- Stretcher, Curtain. C. G. Carlson. 1,780,995; Nov. 11.
- Stretcher, Curtain. E. B. and W. C. Fenton. 1,783,835; Dec. 2.
- Stretcher for use in drying and preventing shrinkage of garments. J. A. Keel. 1,743,355; Jan. 14.
- Stretcher, Transport. E. Kenny. 1,764,568; June 17.
- Stretcher, Wire. L. Hawbaker. 1,759,642; May 20.
- Stretching and guiding apparatus, Automatic. A. A. M. Taveira. 1,753,033; Apr. 1.
- Stretching and smoothening device for neckties. C. Hofmann. 1,775,431; Sept. 9.
- Stretching apparatus, Clothes-. J. F. Huebsch. 1,748,291; Feb. 25.
- Stretching nets and the like, Device for. H. E. Verpillier. 1,762,205; June 10.
- Stretching the material for handkerchief embroidery in the shuttle embroidery machine, Apparatus for. E. Straub. 1,751,428; Mar. 18.
- String-dispensing device. L. F. Owen. 1,765,174; June 17.
- String for musical instruments. V. Spolidoro. 1,772,846; Aug. 12.
- String for skeins, Tying. H. Hofmann. 1,785,414; Dec. 16.
- String from animal origin and manufacturing the same. M. Varinois. 1,764,233; June 17.
- String or twine, Manufacture of. F. N. La Chapelle. 1,777,096; Sept. 30.
- Stringed instrument. J. E. Hillebrandt. 1,752,906; Apr. 1.
- Stringed instrument, Self-playing. B. Radtkea. 1,751,248; Mar. 18.
- Stringed instruments, Apparatus for learning correct bow work for. J. Braunstein-Loskant. 1,753,053; Apr. 1.
- Strip and making same, Constructional. A. C. Fischer. 1,748,016; Feb. 18.
- Strip and sheet mill, Continuous. W. M. Blecker. 1,771,392; July 29.
- Strip-applying device. W. C. Stevens. 1,768,340; June 24.
- Strip, Bending. H. G. Osburn. 1,777,730; Oct. 7.
- Strip-feeding device. W. H. Johnson. 1,776,260; Sept. 23.
- Strip-feeding mechanism. C. J. Fancher and R. A. Johnson. 1,764,831; June 17.
- Strip-feeding mechanism. L. Ramdor. 1,750,357; Mar. 11.
- Strip for corrugated metal sheets, Locking. J. A. Papalas. 1,775,778; Sept. 16.
- Strip for floor coverings, Binding. S. C. Awbrey. 1,769,283; July 1.
- Strip for terrazzo floorings, Dividing. P. Galassi. Re-17,815; Sept. 23.
- Strip for terrazzo floors and like structures. G. P. Granell. 1,783,783; Dec. 2.
- Strip for terrazzo floors, Expansion. P. Galassi. 1,776,658; Sept. 23.
- Strip forming and assembling machine. A. Price. 1,761,536; June 3.
- Strip machine. C. N. Neklutin. 1,762,344; June 10.
- Strip material, Method and apparatus for conveying. R. V. Ritchey. 1,769,546; July 1.
- Strip-pulling device. R. F. Russell. 1,753,174; Apr. 1.
- Strip-serving device. A. C. Hummel. 1,747,441; Feb. 18.
- Strip-serving machine. W. Hermann. 1,782,922; Nov. 25.
- Stripper, Cotton. B. R. Benjamin. 1,769,104; July 1.
- Stripping device for tin-pot feeding. L. C. Steele. 1,772,195; Aug. 5.
- Strips, Cold rolling and coiling. H. M. Naugle and A. J. Townsend. 1,781,123; Nov. 11.
- Strips of flexible or semiflexible material, Method of and apparatus for joining together. W. N. Williams. 1,771,105; July 22.
- Strips to plaster board, Applying edge-covering. J. Schumacher. 1,764,123; June 17.
- Stripping device. K. C. Bugg. 1,767,118; June 24.
- Stripping fixture. J. T. Green. 1,761,913; June 3.
- Stripping pencil for automobiles. E. M. Reeves. 1,773,061; Aug. 12.
- Stroboscope. J. E. Fernly. 1,771,210; July 22.

- Stroboscopic apparatus. A. J. Ashdown. 1,746,179; Feb. 4.
- Stroke adjuster for idle shapers. W. F. Zimmermann. 1,764,093; June 17.
- Strontium oxide, Manufacture of. J. B. Pierce, jr. 1,782,830; Nov. 25.
- Stroppler, Razor. L. A. Flinker. 1,779,669; Oct. 28.
- Stroppler, Razor. R. H. Ingersoll. 1,782,352; Nov. 18.
- Stroppler, Razor-blade. R. H. Ingersoll. 1,767,984; June 24.
- Stroppler, Razor-blade. R. H. Ingersoll. 1,782,351; Nov. 18.
- Structural building. L. W. Ray. 1,749,648; Mar. 4.
- Structural element. H. M. Knight. 1,752,671; Apr. 1.
- Structural element and structure composed thereof. A. H. Tashjian. 1,745,729; Feb. 4.
- Structural element for buildings. H. G. Pratt. 1,778,337; Oct. 14.
- Structural joint. A. L. Goldenstar. 1,748,017; Feb. 18.
- Structural joint. W. E. McCullough. 1,771,856; July 29.
- Structural material. T. H. Kane. 1,751,923; Mar. 25.
- Structural material. C. A. Van Dusen. 1,766,471; June 24.
- Structural member. J. H. Edwards and R. A. Marble. 1,768,833; July 1.
- Structural members under load, Strengthening. A. G. Leake. 1,770,932-3; July 22.
- Structural metal member. C. Dornier. 1,743,327; Jan. 14.
- Structural unit. D. H. Blitney. 1,764,773; June 17.
- Structural unit. S. Macomber. 1,766,181; June 24.
- Structural units, Making. S. Macomber. 1,748,423; Feb. 25.
- Structure for adapting oil burners to concrete-mixer apparatus. W. C. Elze. 1,767,746; June 24.
- Structures of plastic materials deviating from straight form, Method and apparatus for centrifugally producing. C. W. Watson. 1,774,192; Aug. 26.
- Strut for brake beams. D. Paterson. 1,769,306; July 1.
- Strut-type-base construction. L. A. Rawson. 1,764,182; June 17.
- Strut used in concrete fireproofing. W. F. LaMorte. 1,765,729; June 24.
- Stubble burner. G. A. Jones. 1,754,022; Apr. 8.
- Stubble remover and seed-bed fertilizer. T. L. Diggins. 1,765,005; June 17.
- Stucco base. J. W. Wright. 1,742,627; Jan. 7.
- Stucco mix and making the same. G. A. New. 1,787,162; Dec. 30.
- Stucco mix and making the same, Cellular. G. A. New. 1,745,635; Feb. 4.
- Stucco mixer. S. C. Clark. 1,747,466; Feb. 18.
- Stud, Floating trim. J. H. Goss. 1,757,424; May 6.
- Stud for snap fasteners. G. S. Maynard. 1,767,805; June 24.
- Stud or the like. C. Collins. 1,755,503; Apr. 22.
- Student table. G. F. Reinhard. Des. 82,056; Sept. 16.
- Stuffing box. F. Faudi. 1,755,436; Apr. 22.
- Stuffing box. E. E. Greve. 1,775,342; Sept. 9.
- Stuffing box. E. C. Kahle. 1,757,311; May 6.
- Stuffing box. O. A. Labus. 1,787,317; Dec. 30.
- Stuffing box. J. Leroy. 1,747,253; Feb. 18.
- Stuffing box. J. R. Mahan. 1,775,729; Sept. 16.
- Stuffing box. W. H. Puckett. 1,782,696; Nov. 25.
- Stuffing box. F. D. Stanley. 1,765,629; June 24.
- Stuffing box. A. E. Thornley. 1,752,279; Mar. 25.
- Stuffing-box assembly. G. B. Vroom. 1,758,725; May 13.
- Stuffing box, Expanding. W. W. Williams. 1,763,574; June 10.
- Stuffing box, Liquid-cooled. H. Henderson. 1,776,974; Sept. 30.
- Stump puller. W. Oveson. 1,762,073; June 3.
- Stump puller. E. R. Standfuss. 1,764,905; June 17.
- Stumps, Apparatus for pulling. A. A. Shimer. 1,776,089; Sept. 16.
- Stylus. F. W. McCarter. 1,768,704; July 1.
- Subaquatic drill. W. D. Grant. 1,753,511; Apr. 8.
- Subaquatic drill. W. D. Grant. 1,766,628; June 24.
- Subgrade preparing, concrete distributing, and finishing machine. P. A. Koehring. 1,755,653; Apr. 22.
- Submarine and auxiliary boat therefor. E. J. Shoemaker. 1,781,134; Nov. 11.
- Submarine boat, Mine-laying. H. E. Grieshaber. 1,772,563; Aug. 12.
- Submarine cable. J. J. Gilbert. 1,756,546; Apr. 29.
- Submarine drills, Locating device for. C. C. Hansen. 1,778,320; Oct. 14.
- Submarine escapement apparatus. J. E. and P. A. Martin. 1,754,690; Apr. 15.
- Submarine indicator, Sunken. C. Peterson. 1,774,185; Aug. 26.
- Submarine, Mine-laying. H. E. Grieshaber. 1,775,855; Sept. 16.
- Submarine, Mine-laying. H. E. Grieshaber, E. R. Duncklee and J. F. Trudeau. 1,777,304; Oct. 7.
- Submarine, Mine-laying. R. C. Simpson. 1,777,332; Oct. 7.
- Submarine, Rescue. L. Y. Spear. 1,784,500; Dec. 9.
- Submarine rescue device. N. F. Thommes. 1,756,962; May 6.
- Submarine rescuing device. R. Edwards. 1,786,109; Dec. 23.
- Submarine safety device. V. E., T. J., and O. K. Jorgensen. 1,756,464; Apr. 29.
- Submarine-salvaging apparatus. J. Schlerenbeck. 1,765,101; June 17.
- Submarine saving device. E. F. Quinteros. 1,766,837; June 24.
- Submarine signaling. J. J. Gilbert. 1,778,759; Oct. 21.
- Submarine sounds, Apparatus for receiving and determining the direction of. H. C. Hayes. 1,742,704; Jan. 7.
- Submarines and like vessels, Transmitting tube for. C. A. and W. T. Ohman. 1,783,668; Dec. 2.
- Submarines, Emergency feeder device for. J. M. Clark. 1,783,221; Dec. 2.
- Submarines, Escape tube for. H. A. Studwell. 1,784,915; Dec. 16.
- Submarines, Floating attachment for. G. W. Paulson. 1,776,448; Sept. 23.
- Submarines or similar vessels, Safety device for. J. C. Bechard. 1,747,886; Feb. 18.
- Submarines, Position-indicating and air-supplying device for sunken. J. B. Sunt. 1,757,151; May 6.
- Submersible device. P. Herbst. 1,776,791; Sept. 30.
- Submersible machine, Inclosed. V. Gutmann and L. Steiner. 1,763,149; June 10.
- Subsoiler. A. F. Stubenberg. 1,765,746; June 24.
- Substances, Apparatus for compressing. G. T. Jacocks. 1,766,998; June 24.
- Substances, Centrifugal treatment of. L. P. Sharples. 1,761,593; June 3.
- Substances of dissimilar volatilities, Separating. E. Wecker. 1,766,863; June 24.
- Substances which cause hardness in soaping and washing operations and for the production of means suitable therefor, Rendering harmless. G. Ullmann. 1,743,054; Jan. 7.
- Substation apparatus. A. E. Peterson. 1,747,841; Feb. 18.
- Substation apparatus. O. A. Shann. 1,762,745; June 10.
- Substitute for hard paper, ebonite, fiber and the like and manufacturing the same. H. Friedlander and A. Janser. 1,766,817; June 24.
- Subterranean surveys, Making. H. C. Hayes. 1,784,439; Dec. 9.
- Sucker rod and pump lines, Supporting. J. C. Stokes. 1,742,940; Jan. 7.
- Sucker rod and the like and its production, Steel. W. J. Crook. 1,764,068; June 17.
- Sucker-rod elevator. G. E. Sawyer. 1,755,134; Apr. 15.
- Sucker-rod guide. J. C. Garrott. 1,766,070; June 24.
- Sucker-rod guide. E. C. Meier. 1,750,851; Mar. 18.
- Sucker-rod guide and cleaner. J. C. Armstrong. 1,755,762; Apr. 22.
- Suction-actuated devices in connection with the suction passages of internal-combustion engines, Apparatus for operating. C. S. Bragg and V. W. Kliersath. 1,753,165; Apr. 1.
- Suction-actuated devices in connection with the suction passages of internal-combustion engines, Method of and apparatus for operating. C. S. Bragg and V. W. Kliersath. 1,753,166-7; Apr. 1.
- Suction and blower device, Combined. A. A. Breuer. 1,749,373; Mar. 4.
- Suction bottle machine. K. E. Peiler. 1,764,805; June 17.
- Suction box. E. H. Streeter. 1,763,910; June 17.
- Suction cleaner. P. R. Broeske. 1,774,589; Sept. 2.
- Suction cleaner. W. C. Davidson. 1,767,744; June 24.
- Suction cleaner. H. E. Hoover. Re17,615; Mar. 4.
- Suction cleaner. N. H. Losey. 1,769,523; July 1.
- Suction cleaner. A. H. Ryan. 1,771,583; July 29.
- Suction cleaner. H. B. White. 1,787,224; Dec. 30.
- Suction cleaner, Electric. J. N. Naul. 1,766,929; June 24.
- Suction cleaning apparatus, Dust bag for. O. C. Willis. 1,753,458; Apr. 8.
- Suction cleaners, Attachment for. T. J. Moore. 1,756,519; Apr. 29.
- Suction device. C. E. Raymond. 1,773,498; Aug. 19.
- Suction mechanism for sheet feeders. A. Broadmeyer. 1,774,315; Aug. 26.
- Suction pipe. E. Risley. Re17,791; Sept. 2.
- Suction-producing mechanism. C. C. Bradbury. 1,750,742; Mar. 18.
- Sugar bodies, Apparatus for unpowdering. A. Winkler and M. Dünneber. 1,766,967; June 24.
- Sugar cane, Recovering the fibrous material from. J. J. de la Roza, sr. 1,782,869; Nov. 25.
- Sugar cane, Ripening. D. P. J. Burguières. 1,746,190; Feb. 4.
- Sugar-cane sling. W. A. Ramsay. 1,771,314; July 22.
- Sugar dispenser. G. N. Adair. 1,768,091; June 24.
- Sugar drier. D. K. Richards. 1,782,177; Nov. 18.
- Sugar from molasses and sirups, Increasing the output in the extraction of crystallized. E. Ricard. 1,776,819; Sept. 30.
- Sugar juice, Defaction of. A. W. Bull. 1,752,781; Apr. 1.
- Sugar manufacture. A. W. Bull. 1,755,165; Apr. 22.
- Sugar process. R. E. Pospisil. 1,772,911; Aug. 12.
- Sugar testing. A. G. Sheftel. 1,769,862; July 1.
- Sugar, Ultrafine, soft granulated sucrose. B. H. Varnau and T. B. Wayne. 1,751,298; Mar. 18.
- Suit. D. Long. Des. 81,100; May 6.
- Suit, Bathing. C. O. Ast. 1,752,771; Apr. 1.
- Suit, Bathing. A. J. Barnett. 1,763,212; June 10.
- Suit, Bathing. G. W. Cowdrey. 1,781,271; Nov. 11.
- Suit, Bathing. S. Herlich. 1,770,615; July 15.
- Suit, Bathing. W. D. Ide. 1,783,174; Dec. 2.
- Suit, Bathing. W. L. Kessler. 1,771,046; July 22.
- Suit, Bathing. L. Pelton. 1,745,637; Feb. 4.
- Suit, Bathing. G. E. Rutledge. 1,786,869; Dec. 30.
- Suit, Buoyant swimming. F. M. Nunez. 1,742,368; Jan. 7.
- Suitcase. A. C. Atkins. 1,759,930; May 27.

- Suitcase and card table, Combination. F. Gunchick. 1,786,607; Dec. 30.
- Suitcase, Cabinet. C. K. Duer. 1,782,414; Nov. 25.
- Suitcase, Wardrobe. E. E. Wilt. 1,760,098; May 27.
- Suit, Ensemble. D. Long. Des. 80,958; Apr. 15.
- Suit, Ensemble. D. Long. Des. 81,139; May 13.
- Suit, Ensemble. D. Long. Des. 81,394-5; June 17.
- Suit, Ensemble. D. Long. Des. 81,495-6; July 1.
- Suit, Ensemble. D. Long. Des. 81,589-90; July 15.
- Suit, Ensemble. D. Long. Des. 82,683; Dec. 2.
- Suit, Life-saving. W. A. Taylor. 1,752,120; Mar. 25.
- Suit, Sun. H. L. Hargraves. 1,778,453-4; Oct. 14.
- Suit, Union. N. Wolff. 1,787,098; Dec. 30.
- Sulfoderivatives of 1-aminonaphthalene-8-carboxylic acid and making the same. R. Herz and F. Schulte. 1,780,077; Oct. 28.
- Sulphate and producing the same, White anhydrous calcium. C. B. Durgin, A. B. Gerber, and P. Logue. 1,783,417; Dec. 2.
- Sulphate for plaster, Preparing by-product calcium. R. S. Edwards. 1,756,637; Apr. 29.
- Sulphate process, Continuous. W. D. Mount. 1,754,902; Apr. 15.
- Sulphate process, Continuous. W. C. Munro. 1,756,432; Apr. 29.
- Sulphate, Production of potassium ammonium. R. Griessbach and O. Schliephake. 1,754,358; Apr. 15.
- Sulphates, Producing alkyl. R. M. Isham and S. Born. 1,744,164; Jan. 21.
- Sulphatizing roast, Two-step. F. A. Brinker. 1,749,125; Mar. 4.
- Sulphides of aromatic compounds and making same. R. Eder. 1,769,423; July 1.
- Sulphite waste-liquor product and making same. W. E. B. Baker. 1,764,600; June 17.
- Sulpho-acids from hydrocarbon oils, Production of. G. Petroff and P. Shestakoff. 1,761,744; June 3.
- Sulphocyanic groups into organic compounds, Introducing. H. P. Kaufmann and M. Schubert. 1,765,678; June 24.
- Sulphogroups from anthraquinone sulphonic acid derivatives, Splitting off. R. E. Schmidt. 1,782,747; Nov. 25.
- Sulphonation products from polymerized fats or oils or the acids thereof, Obtaining. H. Bertsch. 1,749,463; Mar. 4.
- Sulphonic compound and making same, Organic metallo mercapto. W. Schoeller, E. Borgwardt, and A. Feldt. 1,784,497; Dec. 9.
- Sulphonic compound and making the same. L. Burgess and H. E. Buc. 1,767,344; June 24.
- Sulphur and catalysts therefor, Obtaining elemental. R. C. Benner and A. P. Thompson. 1,773,293; Aug. 19.
- Sulphur and resin compound. S. P. Miller. 1,782,693; Nov. 25.
- Sulphur, Apparatus for solidifying. I. E. Hanson and J. B. Gaffney. 1,742,391; Jan. 7.
- Sulphur, Apparatus for subliming. E. F. White. 1,773,562; Aug. 19.
- Sulphur composition and making the same. H. Blumenberg, jr. 1,783,695; Dec. 2.
- Sulphur compounds from gases, Elimination of. G. Wietzel, J. Jaunek and F. Fried. 1,782,590; Nov. 25.
- Sulphur compounds of pyridine, Preparation of. G. Kochendoerfer. 1,753,658; Apr. 8.
- Sulphur containing guanidine derivatives and making same. H. Schotte. 1,785,916; Dec. 23.
- Sulphur-containing hydroxyquinones and preparing them. F. Mayer and K. Zahn. 1,765,687; June 24.
- Sulphur dioxide from oils containing same, Recovery of. G. Cattaneo. 1,758,595; May 13.
- Sulphur emulsion and insecticide containing the same. A. Hartzell and F. H. Lathrop. 1,772,511; Aug. 12.
- Sulphur, Extracting. A. J. Crowley. 1,763,762; June 17.
- Sulphur from alkali-metal polysulphides, Recovery of. H. Langheinrich. 1,783,725; Dec. 2.
- Sulphur from crude impure materials which contain sulphur, Production of pure. W. R. Glund, R. Schönfelder, and W. Riese. 1,771,293; July 22.
- Sulphur from gases, Recovery of. R. C. Benner and A. P. Thompson. 1,771,481; July 29.
- Sulphur from iron pyrites, Recovery of. R. F. Bacon. 1,782,226; Nov. 18.
- Sulphur from pyrites, Recovery of. R. F. Bacon. 1,782,225; Nov. 18.
- Sulphur from sulphides. Recovery of. R. F. Bacon. 1,769,819; July 1.
- Sulphur mining. J. E. Schroeder. 1,750,136; Mar. 11.
- Sulphur, Mining of. R. H. Stewart. 1,764,538; June 17.
- Sulphur, Preparing colloidal. H. Howard. 1,765,307; June 17.
- Sulphur, Producing elemental. R. C. Benner and A. P. Thompson. 1,751,066-8; Mar. 18.
- Sulphur, Producing elemental. R. C. Benner. 1,773,294; Aug. 19.
- Sulphur, Recovering of. R. C. Benner and A. P. Thompson. 1,771,480; July 29.
- Sulphur vapor, Dissociation of. P. C. H. Siedler and E. Schulte. 1,767,319; June 24.
- Sulphuryl chloride, Making. R. H. McKee and C. M. Salls. 1,765,688; June 24.
- Summation-indicating instrument. W. Stern. 1,777,939; Oct. 7.
- Sundial. G. Ancira. 1,782,114; Nov. 18.
- Sun-heat motor. T. Romagnoli. 1,785,651; Dec. 16.
- Sunshade. N. Jensen. 1,755,736; Apr. 22.
- Sunshade for automobiles. G. T. Johnson. 1,755,991; Apr. 22.
- Sunshade for vehicles. F. Stone. 1,754,777; Apr. 15.
- Supercharger. J. Herier. 1,746,309; Feb. 11.
- Supercharger construction. G. J. Mead. 1,754,724; Apr. 15.
- Supercharger drive. R. V. Hutchinson. 1,761,921; June 3.
- Supercharger for internal-combustion engine. W. M. Zaikowsky. 1,781,147; Nov. 11.
- Superheat-regulating device. V. E. Alden. 1,771,699; July 29.
- Superheat regulator. R. M. Swartz and S. M. Jorgensen. 1,778,921; Oct. 21.
- Superheater. H. J. Kerr. 1,747,011; Feb. 11.
- Superheater. C. U. Savoye. 1,782,585; Nov. 25.
- Superheater. C. A. and E. L. Schellens. 1,787,021; Dec. 30.
- Superheater. A. R. Smith. 1,776,135; Sept. 16.
- Superheater boiler. D. S. Jacobus. 1,743,353; Jan. 14.
- Superheater boiler. W. A. Jones. 1,775,079; Sept. 2.
- Superheater boiler. W. F. Keenan, jr., and H. F. Eddy. 1,782,096; Nov. 18.
- Superheater boiler. J. J. Nelis. 1,764,050; June 17.
- Superheater boiler. R. L. Spencer. 1,743,165; Jan. 14.
- Superheater bracket. E. A. Hildebrandt and C. McDonough. 1,780,188; Nov. 4.
- Superheater for steam generators. R. Paton. 1,776,369; Sept. 23.
- Superheater for water-tube boilers. H. E. Yarrow. 1,771,944; July 29.
- Superheater header. M. Hard. 1,773,531; Aug. 19.
- Superheater header. O. V. Thiele. 1,764,860; June 17.
- Superheater, Locomotive. J. E. Muhlfeld and J. C. Chapple. 1,784,378; Dec. 9.
- Superheater, Reheat. W. S. Monroe, H. C. Heaton, and D. S. Jacobus. 1,776,839; Sept. 30.
- Superheater tube. W. B. Whitsitt and W. R. Hedeman. 1,786,882; Dec. 30.
- Superheater-unit-testing device. G. W. Carrigan. 1,781,494; Nov. 11.
- Superheating and drying steam, Device for. G. Restucci. 1,767,096; June 24.
- Superheating in high-pressure locomotives. O. H. Hartmann. 1,768,319; June 24.
- Superheating system for fire-tube boilers. P. Thomsen. 1,768,169; June 24.
- Superheterodyne receiver. W. V. B. Roberts. 1,764,751; June 17.
- Superphosphate manufacture, Double. W. B. King. 1,780,620; Nov. 4.
- Supervisory and control system. J. O. Shepherd. 1,786,780; Dec. 30.
- Supervisory control system. R. J. Wensley. 1,786,805; Dec. 30.
- Supervisory control system. T. U. White. 1,786,807; Dec. 30.
- Supervisory mechanism. P. H. Haselton and M. A. Jenckes. 1,786,013; Dec. 23.
- Supervisory mechanism. I. W. Knight. 1,786,015; Dec. 23.
- Supervisory system. J. C. Field. 1,743,711; Jan. 14.
- Supervisory system. J. C. Field. 1,747,821; Feb. 18.
- Supervisory system, Selector. L. J. Burns and L. E. Coon. 1,763,879; June 17.
- Support. F. A. Anderson. 1,754,006; Apr. 8.
- Support. B. Boykin, jr. 1,786,145; Dec. 23.
- Support. C. Fassinger. 1,775,391; Sept. 9.
- Support. F. G. and W. M. Folberth. 1,765,410; June 24.
- Support. W. F. Mumberg. 1,750,188; Mar. 11.
- Support. W. S. Myers. 1,769,803; July 1.
- Support. P. F., S. B., and R. K. Whittier. 1,778,700; Oct. 14.
- Support, Adjustable. R. T. Frost. 1,778,255; Oct. 14.
- Support, Adjustable. E. W. Hedlund. 1,775,525; Sept. 9.
- Support, Adjustable awning. A. O. Highsmith. 1,775,857; Sept. 16.
- Support, Adjustable curtain. E. W. Owen. 1,778,227; Oct. 14.
- Support, Adjustable flash-light. J. Hauenstein. 1,771,754; July 29.
- Support, Adjustable lamp. M. F. Deach. 1,753,553; Apr. 8.
- Support, Adjustable lamp-shade. H. C. Noe. 1,762,189; June 10.
- Support, Adjustable partition. E. Morris. 1,770,942; July 22.
- Support, Adjustable seat. C. M. Templeton. 1,759,922; May 27.
- Support and adjuster, Seat-back. M. A. Campbell. 1,762,127; June 3.
- Support and coat hanger, Combined hat. S. A. Thomas. Des. 80,648; Mar. 4.
- Support and curtain-rod bracket, Combined valance-board. J. M. Wintrob. 1,751,062; Mar. 18.
- Support and curtain-rod bracket, Combined valance board. J. M. Wintrob. 1,781,262; Nov. 11.
- Support and gear casing, Universal. O. E. Pease and N. G. Joseph. 1,744,686; Jan. 21.
- Support and housing for an electric discharge device, Combined. O. J. Mochler. Des. 82,639; Nov. 25.
- Support and making the same, Fixture. W. J. Cormay. 1,760,117; May 27.
- Support and oil stove, Oil-can. G. W. West. 1,784,716; Dec. 9.

- Support and producing same, Body. M. Von Halle. 1,768,223; June 24.
- Support and spray, Nozzle. T. J. Weaver. 1,767,161; June 24.
- Support and scriber, Blowtorch. R. B. Cregger. 1,780,814; Nov. 4.
- Support and seal, Shaft. M. Lassen. 1,769,030; July 1.
- Support and spacer for reenforcement bars. W. E. Mathews. 1,773,918; Aug. 26.
- Support and spreader, Necktie. J. C. Owens. 1,777,149; Sept. 30.
- Support and tensioning mechanism, Awning-structure. W. G. Dunn. 1,760,348; May 27.
- Support and the like, Globe. J. H. Hudson. 1,763,889; June 17.
- Support applicable to golf bags. A. Kuntz. 1,744,557; Jan. 21.
- Support, Arch. G. H. Jung, jr. 1,767,460; June 24.
- Support, Arch. C. Lasky. 1,761,079; June 3.
- Support, Article. G. D. Happer. 1,760,752; May 27.
- Support, Article. R. K. Russell. 1,756,883; Apr. 29.
- Support, Article. W. Tierney. 1,743,694; Jan. 14.
- Support, Arch. H. H. McPhaul. 1,773,688; Aug. 19.
- Support, Arch. C. R. Welch. 1,768,648; July 1.
- Support attachment for electric switch boxes and the like. E. F. Smith. 1,779,681; Oct. 28.
- Support, Auxiliary motor. J. M. Riordan. 1,752,809; Apr. 1.
- Support, Awning. E. H. Schane. 1,765,452; June 24.
- Support, Balanced cover. A. and M. Bersted. 1,767,730-1; June 24.
- Support, Ball-plunger. C. T. Small. 1,748,086; Feb. 25.
- Support, Barricade. H. C. McGregor. 1,749,190; Mar. 4.
- Support, Bed-spring. I. B. Rosenberg and R. Mulwitz. 1,766,190; June 24.
- Support, Belt-idler. R. E. Briggs. 1,778,060; Oct. 14.
- Support, Bobbin. W. H. Bahan. 1,766,809; June 24.
- Support, Box-tray. W. L. Buedingen. 1,750,624; Mar. 18.
- Support, Brake-band. C. L. White. 1,771,280; July 22.
- Support, Brake-hanger. L. J. Brown. 1,772,702; Aug. 12.
- Support, Brake-hanger. V. H. Harbert. 1,768,686; July 1.
- Support, Breast. F. C. Jones. 1,775,365; Sept. 9.
- Support, Breast. R. R. Woltstem. 1,762,676; June 10.
- Support, Bucket. G. K. Van Epps. 1,755,851; Apr. 22.
- Support, Buckle. M. J. Keever. 1,781,014; Nov. 11.
- Support, Bus. A. G. Steinmayer. 1,769,891; July 1.
- Support, Bust. M. F. J. Lowenfeld. 1,771,262; July 22.
- Support, Bust. P. Werner. 1,782,279; Nov. 18.
- Support, Camera. O. Roach. 1,758,240; May 13.
- Support, Car. P. J. McCullough. 1,757,323; May 6.
- Support, Carcass-chilling. J. C. Agar. 1,757,070; May 6.
- Support, Ceiling. W. E. White. 1,785,061; Dec. 16.
- Support, Chassis unit. R. F. Cowell. 1,778,024; Oct. 14.
- Support, Christmas-tree. J. Block. Des. 81,047; Apr. 29.
- Support, Christmas-tree. V. Dahl. 1,784,090; Dec. 9.
- Support, Clothesline. J. J. Brown. 1,769,620; July 1.
- Support, Clothesline. J. L. Keller. 1,783,433; Dec. 2.
- Support, Clothesline. F. Perebenda. 1,775,253; Sept. 9.
- Support, Coil-spring longitudinal arch. W. Seigle. 1,763,261; June 10.
- Support, Coil-spring metatarsal-arch. W. Seigle. 1,763,260; June 10.
- Support, Collapsible basket. W. A. Lynds. 1,784,240; Dec. 9.
- Support, Collapsible or folding hat. J. W. Martin. 1,746,486-7; Feb. 11.
- Support, Collar. D. F. Burke. 1,766,596; June 24.
- Support, Collar. R. W. Mackie. 1,744,778; Jan. 28.
- Support, Combined mirror and hat. S. A. Thomas. Des. 80,647; Mar. 4.
- Support, Combined packer and tubing. E. Gray and R. A. Mueller. 1,745,572; Feb. 4.
- Support, Concrete-reinforcement. P. T. Coons and G. H. Rose. 1,780,463; Nov. 4.
- Support, Conductor. L. W. Birch. 1,766,873-4; June 24.
- Support, Conductor. M. W. Cooke. 1,749,209; Mar. 4.
- Support, Conductor. S. S. Matthes. 1,748,182; Feb. 25.
- Support, Conductor. S. S. Matthes. 1,759,704; May 20.
- Support, Conductor. E. D. Moore and F. R. Dippman. 1,757,677; May 6.
- Support, Conduit. A. Uhl and P. E. Brickie. 1,749,725; Mar. 4.
- Support construction for large-filament lamps. A. C. Massie. 1,783,623; Dec. 2.
- Support, Container. E. Warren. 1,747,408; Feb. 18.
- Support, Core. T. Midgley. 1,744,484; Jan. 21.
- Support, Core-bar. J. R. McWane. 1,765,020; June 17.
- Support, Counter-partition. E. Morris and A. Vanderfeld. 1,781,408; Nov. 11.
- Support, Cup-dispenser. W. B. Mangold. 1,758,005; May 13.
- Support, Current-collector. F. R. Dippman and E. D. Moore. 1,786,719; Dec. 30.
- Support, Current-collector. E. D. Moore and F. R. Dippman. 1,786,718; Dec. 30.
- Support, Current-collector. E. D. Moore and F. R. Dippman. 1,786,720; Dec. 30.
- Support, Curtain. H. L. De Lisle. 1,764,611; June 17.
- Support, Curtain and valance or lambrequin. G. R. Streich. 1,749,450; Mar. 4.
- Support, Darning. A. Anthony. 1,765,961; June 24.
- Support, Detachable. J. M. McGinley. 1,760,912; June 3.
- Support, Digester. D. G. Moon. 1,771,581; July 29.
- Support, Door. V. C. Rocholl. 1,753,480; Apr. 8.
- Support, Douche-bag. C. W. Mack. 1,757,807; May 6.
- Support, Drapery. F. V. Maroney. 1,786,498; Dec. 30.
- Support, Drapery. D. M. Sarkisian. 1,764,891; June 17.
- Support, Drop-wire. H. W. Pleister and J. Karitzky. 1,759,591; May 20.
- Support, Easel. S. B. Freiberg. 1,767,753; June 24.
- Support, Easel. S. Lear. 1,784,736; Dec. 9.
- Support, Electrical cord. W. Rabsilber. 1,759,417; May 20.
- Support, Engine. G. H. Daubner. 1,761,973; June 3.
- Support, Extendible vise. A. W. Campbell. 1,756,629; Apr. 29.
- Support, Extension curtain-rod. J. Rasp. 1,746,740; Feb. 11.
- Support, Filament. R. B. Prindle. 1,776,133; Sept. 16.
- Support, Finger. E. J. Abramson. 1,776,094; Sept. 16.
- Support, Fire-extinguisher. W. B. Bronander. 1,751,618; Mar. 25.
- Support, Fire-extinguisher. W. B. Bronander. 1,769,619; July 1.
- Support, Fixture. G. Arras. 1,764,997; June 17.
- Support, Fixture. J. G. Knight. 1,762,995; June 10.
- Support, Fixture. W. H. Schurr. 1,743,831; Jan. 14.
- Support, Folding. C. R. Letts. 1,756,792; Apr. 29.
- Support, Fixture and outlet box. M. M. Clayton. 1,777,291; Oct. 7.
- Support, Flexible engine. E. H. Belden. 1,775,115; Sept. 9.
- Support, Flower. R. Krumholz. 1,775,203; Sept. 9.
- Support, Folding. W. E. Brown. 1,783,558; Dec. 2.
- Support, Foot. J. N. Marks. 1,762,025; June 3.
- Support, Foot. H. R. Rogers. 1,750,360; Mar. 11.
- Support, Foot arch and metatarsal. H. J. Crocker. 1,762,161; June 10.
- Support, Foot-pedal. D. F. Feick. 1,776,497; Sept. 23.
- Support for addressing and other machines, Work. C. C. McCain. 1,768,917; July 1.
- Support for a hall tree or similar article, Hat. S. A. Thomas. Des. 81,673; July 22.
- Support for basket used in game of basketball, Overhead. A. L. Steele. 1,778,173; Oct. 14.
- Support for blade holders. H. J. Warner. 1,770,538; July 15.
- Support for bearings of motor-driven pumps, External. I. C. Jennings. 1,756,645; Apr. 29.
- Support for bobbin tips, Yieldable. C. P. Bergstrom. 1,786,692; Dec. 30.
- Support for brackets and the like. J. A. Hoegger. 1,773,815; Aug. 26.
- Support for brake beams, Supplemental. E. G. Busse and W. Janus. 1,754,385; Apr. 15.
- Support for campers' cots, Net. H. L. Race. 1,751,290; Mar. 18.
- Support for centrifugals. C. Schaum. 1,753,722; Apr. 8.
- Support for chairs, stands, and the like. A. W. Bailey. 1,755,311; Apr. 22.
- Support for chairs, stands, and the like. A. W. Bailey. 1,766,092; June 24.
- Support for children's vehicles, Foot. D. W. Siebert. 1,778,513; Oct. 14.
- Support for clothes hangers or shade fixtures, Adjustable. C. A. Bunker. 1,763,034; June 10.
- Support for conductors. H. P. Chandler. 1,756,510; Apr. 29.
- Support for connection cords of electric irons. W. V. Ash. 1,774,742; Sept. 2.
- Support for cream separators, Strainer. H. F. Wilson. 1,772,738; Aug. 12.
- Support for curtain-rod ornaments. J. H. Boye. 1,771,482; July 29.
- Support for curtains and portières and for the rods for the same. K. Wehner. 1,749,863; Mar. 11.
- Support for dirigible spotlights. C. Sklarek. 1,747,739; Feb. 18.
- Support for drop tubes. J. A. Martocello. 1,783,808; Dec. 2.
- Support for electric irons, Conductor. G. E. Ament. 1,776,743; Sept. 23.
- Support for electric lamps, Adjustable. J. P. Johansson. 1,761,832; June 3.
- Support for electric lamps, Adjustable. J. P. Johansson. 1,772,284; Aug. 5.
- Support for electric motors. O. Cullman. 1,786,192; Dec. 23.
- Support for fastening inserting machines, Work. J. L. Jones. 1,759,852; May 27.
- Support for flexible electrical conductors, Extension. H. D. Jones. 1,787,252; Dec. 30.
- Support for fountain-pen holders. D. J. Lafrance. 1,749,037; Mar. 4.
- Support for garden hose, Nozzle. A. M. Rasmusen. 1,749,302; Mar. 4.
- Support for grand and upright pianos, Sounding-board. H. Pohlman. 1,779,288; Oct. 21.
- Support for indicator gauges. L. Scusa. 1,765,624; June 24.
- Support for lathes, Tool. E. J. Svenson. 1,780,606-7; Nov. 4.
- Support for lamp shades. G. L. Hinman. 1,774,512; Sept. 2.
- Support for locomotive air pumps, etc. L. L. Neebe. Re17,652; Apr. 29.

- Support for maps and analogous devices. R. M. Meyer and L. P. Denoyer. 1,758,292; May 13.
- Support for motion-picture-projection machines, Compound. A. Dina. 1,776,110; Sept. 16.
- Support for motor vehicles, Window-shade. A. Moorhouse. 1,744,136; Jan. 21.
- Support for musical instruments, Combination folding. W. Naujoks and E. E. McLaughlin. 1,773,237; Aug. 19.
- Support for ornamental awning fixtures, Frame. R. C. Campbell. 1,775,158; Sept. 9.
- Support for panoramic cameras. A. C. Hayden. 1,764,721; June 17.
- Support for paper rolls and the like. A. W. Cole. 1,766,105; June 24.
- Support for phials, flasks, bottles, and like containers. E. W. Brandt. 1,759,390; May 20.
- Support for pictures, cards, etc. M. M. Gillette. 1,752,297; Apr. 1.
- Support for pillows and the like. K. A. Dougherty. 1,743,329; Jan. 14.
- Support for portable electric lamps, Shade. M. B. Bowen. 1,766,975; June 24.
- Support for portable power saws. T. L. Hedgpeth. 1,756,121; Apr. 29.
- Support for portable typewriters. M. L. Williams. 1,778,877; Oct. 21.
- Support for pressing machines, Pad. B. Weinberger. 1,755,802; Apr. 22.
- Support for railway rails. H. Etheridge. 1,785,251; Dec. 16.
- Support for railway-car side doors, Adjustable. V. E. Sisson. 1,784,029; Dec. 9.
- Support for reading and writing matter. G. E. Ritchie. Des. 81,349; June 10.
- Support for resistance elements. P. P. Pipes. 1,775,441; Sept. 9.
- Support for roll paper, Dispensing. W. I. Sherwood. 1,745,771; Feb. 4.
- Support for rotary slitters. G. A. Wall. 1,749,931; Mar. 11.
- Support for safety coils, Cross-arm. J. J. Thomason, L. S. Washington, and G. P. May. 1,743,168; Jan. 14.
- Support for seats, Yieldable back. F. C. Bitzenburger. 1,767,042; June 24.
- Support for separating strips. A. C. Fischer. 1,770,359; July 8.
- Support for sewing machines, Folder. J. Mann. 1,765,169; June 17.
- Support for sewing machines, Throat-plate. F. F. Zeier. 1,786,929; Dec. 30.
- Support for skate runners and process, Tubular. G. E. Schmidt. 1,747,682; Feb. 18.
- Support for spinning or twisting spindles, Bearing. G. H. Magrath. 1,786,252; Dec. 23.
- Support for tillermen's seats. C. Bohlen, jr. 1,774,194; Aug. 26.
- Support for time burning signals and other pyrotechnical devices. J. W. Edmands. 1,776,354; Sept. 23.
- Support for transmission lines. A. O. Austin. 1,744,353; Jan. 21.
- Support for transmission lines. A. O. Austin. 1,783,272; Dec. 2.
- Support for trucks, Spring. C. F. Krauss and H. K. Harwick. 1,747,118; Feb. 11.
- Support for use with gas stoves, Protective. S. M. Kass. 1,755,603; Apr. 22.
- Support for vacuum tubes. M. Alden. 1,785,239; Dec. 16.
- Support for vehicle prime movers. E. W. Weathers. 1,747,561; Feb. 18.
- Support for violins, violin bows, and the like. D. Szigeti. 1,758,985; May 20.
- Support for wardrobe trunks, Hanger. N. C. Guiden. 1,747,544; Feb. 18.
- Support for washbasins, Chin. W. K. Holcomb. 1,777,086; Sept. 30.
- Support for weft-replenishing looms, Bobbin. E. R. Holmes. 1,786,655; Dec. 30.
- Support for weft-replenishing looms, Bobbin. J. F. Tinsley. 1,786,680; Dec. 30.
- Support for weft-replenishing looms, Bobbin. K. J. Unwin. 1,786,685; Dec. 30.
- Support for window cleaners. W. E. Rose. 1,767,554; June 24.
- Support for window drapery. A. J. Mathias. 1,773,590; Aug. 19.
- Support, Form. F. G. Dickman. 1,786,522; Dec. 30.
- Support, Furnace-arch. R. Palm. 1,757,682; May 6.
- Support, Garment. J. E. Dallimore. 1,751,030; Mar. 18.
- Support, Garment. W. Wolff. Des. 82,295; Oct. 14.
- Support, Golf-bag. D. P. Bickford. 1,769,011; July 1.
- Support, Golf-bag. G. F. Shaw. 1,752,114; Mar. 25.
- Support, Guard. S. French. 1,761,717; June 3.
- Support, Gutter. D. N. Skinner. 1,781,085; Nov. 11.
- Support, Hat. F. Samuels. Des. 81,351; June 10.
- Support, Head-lamp. H. S. Golden. 1,755,987; Apr. 22.
- Support, Headstock and gauge. R. J. Brittain, jr., and W. H. Chapman. 1,762,810; June 10.
- Support, Hernia. H. V. Barclay. 1,748,939; Mar. 4.
- Support, Lamp. R. Ehrenfeld. 1,763,226; June 10.
- Support, Lamp. J. W. Gosling. Des. 82,641; Nov. 25.
- Support, Light. H. J. Bosworth. Re17,845; Oct. 28.
- Support, Light. G. Denecke. 1,731,372; Nov. 11.
- Support, Light-cluster. J. M. Crucet. Des. 80,511; Feb. 18.
- Support, Light-signal. E. A. Everett. 1,762,388; June 10.
- Support, Lighting fixture. I. Wolarsky. 1,784,885; Dec. 16.
- Support, Liquid-fuel-tank. H. Walker. 1,760,457; May 27.
- Support, Locomotive-boiler. E. O. Elliott. 1,784,787; Dec. 9.
- Support, Locomotive-boiler. H. K. Harwick. 1,785,626; Dec. 16.
- Support, Loom picker-rod spindle. K. J. Unwin. 1,766,733; June 24.
- Support, Machine. C. C. Spreen. 1,764,761; June 17.
- Support, Machine-unit. R. F. Cowell and R. W. Davis. 1,754,308; Apr. 15.
- Support, Mail-box. A. W. Florine. 1,753,506; Apr. 8.
- Support, Metatarsal-arch. W. M. Scholl. 1,767,263; June 24.
- Support, Movable camera. W. L. Trullinger. 1,751,774; Mar. 25.
- Support, Opera-glass. O. E. Trautmann. Des. 82,353; Oct. 21.
- Support, Operating device for a desk-fall. E. D. Truesbury. 1,764,188; June 17.
- Support or bracket, Curtain or other article. E. Armstrong. 1,763,737; June 17.
- Support or corset, Abdominal. V. A. White. 1,785,162; Dec. 16.
- Support or rest. J. Eifel. 1,742,588; Jan. 7.
- Support, Outlet-box. J. A. Weyer. 1,775,058; Sept. 2.
- Support, Pad. A. D. Lelong. 1,757,532; May 6.
- Support, Pen. G. J. Sengbusch. 1,767,190; June 24.
- Support, Picture. S. Herbert. 1,778,636; Oct. 14.
- Support, Pile. A. D. McPherson. 1,762,341; June 10.
- Support, Pipe. A. B. Weber. 1,760,458; May 27.
- Support, Placard. M. Bulger. Des. 81,829; Aug. 19.
- Support, Plant. W. V. Brooks. 1,781,316; Nov. 11.
- Support, Plant. T. Kelsey. 1,758,839; May 13.
- Support, Plant. G. Vought. 1,754,534; Apr. 15.
- Support, Plant and flower. J. J. Burkhartzmeyer. 1,750,387; Mar. 11.
- Support, Plant-pot. W. Smith. 1,780,279; Nov. 4.
- Support, Plunger. C. T. Small. 1,766,264; June 24.
- Support, Power-transmitter. G. M. Eames and I. F. Webb. 1,755,637; Apr. 22.
- Support, Pump-motor. P. A. Myers. 1,784,245; Dec. 9.
- Support, Rack. S. W. Neldner. 1,777,529; Oct. 7.
- Support, Radiator. J. J. Currello. 1,762,328; June 10.
- Support, Radiator. A. Kehm. 1,773,188; Aug. 19.
- Support, Radiator. H. J. Robinson. 1,771,062; July 22.
- Support, Rail. B. J. Schwendt. 1,781,251; Nov. 11.
- Support, Rear motor. O. R. Skelton. 1,753,839; Apr. 8.
- Support, Receptacle. F. E. Mann. 1,763,798; June 17.
- Support, Reenforcement-bar. W. E. Mathews. 1,753,523; Apr. 8.
- Support, Resilient. F. L. Haushalter. 1,779,235; Oct. 21.
- Support, Roller plunger. C. T. Small. 1,746,802; Feb. 11.
- Support, Rotary work. A. M. Johnson. 1,779,674; Oct. 28.
- Support, Rubber engine. G. E. Parker. 1,744,009; Jan. 14.
- Support, Rubber engine. C. R. Short. 1,780,724; Nov. 4.
- Support, Screed. J. S. O'Hare. 1,755,457; Apr. 22.
- Support, Seat. L. B. Marvin. 1,782,241; Nov. 18.
- Support, Self-adjusting arch. C. A. Free. 1,757,904; May 6.
- Support, Self-adjusting plug. W. E. Knott. 1,761,731; June 3.
- Support, Semitrailer. H. C. Fruehauf and F. M. Reid. 1,770,572; July 15.
- Support, Sewing-machine work. C. W. Mueller. 1,764,573; June 17.
- Support, Shade. H. L. R. Jenkins. 1,762,781; June 10.
- Support, Shade and curtain. L. H. Robinson. 1,755,748; Apr. 22.
- Support, Shaft-centering. L. C. Goad. 1,749,339; Mar. 4.
- Support, Shelf. F. R. Harris. 1,778,075; Oct. 14.
- Support, Shirt-collar. C. S. Vita. 1,777,814; Oct. 7.
- Support, Shoe. W. R. Barclay. 1,784,923; Dec. 16.
- Support, Shoe. K. Kilburn and T. H. Seely. 1,762,720; June 10.
- Support, Shoe-cleaning. C. F. Mingus. 1,768,133; June 24.
- Support, Shoe-shank. S. Richmond. 1,782,178; Nov. 18.
- Support, Sign. M. K. Markman. 1,744,321; Jan. 21.
- Support, Soft-collar. F. B. A. Kirsten. 1,764,212; June 17.
- Support, Spoon. J. B. Estes. 1,776,655; Sept. 23.
- Support, Switch and fixture. M. N. Russell. 1,760,003; May 27.
- Support, Switch and lamp. L. C. Eichner. 1,757,177; May 6.
- Support, Swiveled lamp-shade. F. J. Murphy. 1,784,306; Dec. 9.
- Support, Swiveling arbor. P. Liebscher. 1,757,726; May 6.
- Support, Table-leaf. F. L. Casper. 1,782,059; Nov. 18.
- Support, Temporary pipe. J. L. Schaller. 1,750,819; Mar. 18.
- Support, Thermostat. W. W. Carson. 1,784,042; Dec. 9.
- Support, Thermostat. T. R. Clark. 1,784,045; Dec. 9.
- Support, Thermostat. J. V. Giesler. 1,784,058-9; Dec. 9.
- Support, Ticket-box. M. Macdonald. 1,748,235; Feb. 25.
- Support, Tie. H. V. Ross. 1,748,310; Feb. 25.
- Support, Tire. H. L. Kneen. 1,762,994; June 10.
- Support, Tool and work. L. Hommel. 1,777,616; Oct. 7.
- Support, Tractor-seat. R. C. Hawkins. 1,746,938; Feb. 11.

- Support, Turntable. H. H. Talboys. 1,781,348; Nov. 11.
 Support, Vehicle. W. B. Chapman. 1,742,690; Jan. 7.
 Support, Wall-covering. F. W. Newton. 1,775,371; Sept. 9.
 Support, Window-shade. S. E. Snyder. 1,777,811; Oct. 7.
 Support, Window-shade. W. C. Wofford, J. McBrearty, and A. Soderland. 1,772,621; Aug. 12.
 Support, Windshield. V. Preston. 1,746,556; Feb. 11.
 Support, Wrist. H. Haaf. 1,753,006; Apr. 1.
 Supported meter, Movably-. O. Buys. 1,763,217; June 10.
 Supporter. H. M. Pfaltzgraff. 1,772,909; Aug. 12.
 Supporter and comforter, Combination garment. R. Gay. 1,753,858; Apr. 8.
 Supporter and the suspending means therefor, Hose. A. D. Borenstein. 1,746,413; Feb. 11.
 Supporter, Bust. E. S. Caldor. 1,765,003; June 17.
 Supporter, Bust. M. Impersheim. 1,748,715; Feb. 25.
 Supporter, Bust. D. H. Millman. 1,753,996; Apr. 8.
 Supporter clasp, Hose-. T. C. Grace. 1,770,268; July 8.
 Supporter, corselet, corset, and the like, Breast. J. Lindauer. 1,751,212; Mar. 18.
 Supporter, Flask. W. Anderssen. 1,783,765; Dec. 2.
 Supporter, Foot. W. W. Peterson. 1,772,364; Aug. 5.
 Supporter for cooling units of refrigerators. F. G. Slagel. 1,779,564; Oct. 28.
 Supporter for fishing rods. R. A. Smith. 1,761,497; June 3.
 Supporter, Garment. J. V. Moore. 1,770,741; July 15.
 Supporter, Garment. J. D. Pace. 1,780,035; Oct. 28.
 Supporter, Garter or stocking. E. J. Yetter. 1,765,815; June 24.
 Supporter, Hose. H. J. Stuart. 1,786,137; Dec. 23.
 Supporter, Hose or stocking. W. Vorwerk. 1,778,285; Oct. 14.
 Supporter, Maternity. S. F. Morgan. 1,786,544; Dec. 30.
 Supporter, Plate. G. R. Mayer. 1,759,165; May 20.
 Supporter, Stocking. H. E. Dove. 1,770,129; July 8.
 Supporter, Toe. H. W. Sidgreaves. 1,787,398; Dec. 30.
 Supporting and adjusting means, Door. C. H. Kraft. 1,775,168; Sept. 9.
 Supporting and centering apparatus, Gyroscope. A. P. Davis. 1,743,533; Jan. 14.
 Supporting and delivering viscous glass, Method and apparatus for. O. M. Tucker and W. A. Reeves. 1,756,109; Apr. 29.
 Supporting and distributing strands, Device for. G. J. Houts. 1,764,630; June 17.
 Supporting and driving means for gyratory shafts. A. R. Curtis. 1,767,053; June 24.
 Supporting and holding device, Combined. N. P. Stenshoel. 1,776,167; Sept. 16.
 Supporting and locking mechanism, Car-door. E. C. Anderson. 1,772,739; Aug. 12.
 Supporting apparatus for piercing mills, Mandrel-bar-. R. C. Stiefel. 1,758,413; May 13.
 Supporting articles on tires or the like, Device for. A. W. Rosen. 1,765,099; June 17.
 Supporting bar. K. H. Whitney. 1,752,472; Apr. 1.
 Supporting bar. K. H. Whitney. 1,756,716; Apr. 29.
 Supporting bracket. J. A. Morthland. 1,783,666; Dec. 2.
 Supporting bracket. T. L. White. 1,764,766; June 17.
 Supporting bracket, Jar-. L. S. Anderson. 1,778,823; Oct. 21.
 Supporting clip, Plant-. J. W. Bauer. 1,766,094; June 24.
 Supporting concrete beam. R. Sahlberg. 1,746,559; Feb. 11.
 Supporting device. N. H. Fox. 1,764,678; June 17.
 Supporting device, Automobile transportation. H. P. Doud and B. A. Logan. 1,766,289; June 24.
 Supporting device, Cover-. A. B. Russ. 1,776,198; Sept. 16.
 Supporting device for assisting children in learning to walk, Manually-held. E. L. Crocker. 1,749,999; Mar. 11.
 Supporting device for pottery. W. S. Mayer. 1,775,535; Sept. 9.
 Supporting device, Individual-pan-. J. H. Elder. 1,781,056; Nov. 11.
 Supporting device, Lamp globe, shade, reflector, or like. W. Curtis. 1,753,880; Apr. 8.
 Supporting device, Paper and plaster foundation. G. L. Woodjard. 1,768,532; June 24.
 Supporting device, Saw-. D. M. Auvil. 1,761,249; June 3.
 Supporting devices for refrigerator shelves, Removable. P. T. Sealey. 1,767,316; June 24.
 Supporting frame, Awning-. A. G. Zecher. 1,777,778; Oct. 7.
 Supporting frame, Hammock or glider. D. M. Lillibridge. 1,783,848; Dec. 2.
 Supporting means, Adjustable. J. J. Sullivan. 1,776,092; Sept. 16.
 Supporting means for advertising signs. F. A. Davidson. 1,776,785; Sept. 30.
 Supporting means for drawers for articles of furniture. C. F. Wolters. 1,758,550; May 13.
 Supporting means for hospital beds, Weight. L. Roessler. 1,769,467; July 1.
 Supporting means for liquid-fuel burners. J. W. H. Ainscow. 1,755,090; Apr. 15.
 Supporting means for pipes in conduits. C. Gottwald. 1,763,775; June 17.
 Supporting means, Hatch-cover-. W. F. Dietrichson. 1,760,688; May 27.
 Supporting plate for surface condensers, Adjustable. J. F. Grace. 1,772,806; Aug. 12.
 Supporting pole for electrical conductors. R. C. Roe. 1,786,631; Dec. 30.
 Supporting strands, Apparatus for. G. J. Houts, E. P. Tournice, and J. F. Wulff. 1,764,629; June 17.
 Supporting structure for concrete construction. J. C. Kepple. 1,750,760; Mar. 18.
 Supporting structure for long spans for high-speed suspended vehicles, Rail-. F. Heyner. 1,783,648; Dec. 2.
 Supporting structure for rollers. W. Hahnenkamm and W. Berger. 1,774,922; Sept. 2.
 Supporting structure, Locomotive frame and engine. R. B. Krueger. 1,786,854; Dec. 30.
 Supporting structure, Resistance-. F. S. Stickney. 1,745,872; Feb. 4.
 Supporting system, Monorail. P. J. Koster and A. A. Koors. 1,768,911; July 1.
 Supports of articles such as furniture and the like. F. Meng. 1,750,678; Mar. 18.
 Suppository and holder therefor, Rectal. C. S. Freedman. 1,762,858; June 10.
 Surf board. R. McM. Pollard. 1,767,811; June 24.
 Surface covering and making the same. W. Freegard. 1,782,416; Nov. 25.
 Surface covering, Ornamental. J. Tomec. 1,774,736; Sept. 2.
 Surface-marking roll. R. H. Kelly. 1,762,992; June 10.
 Surface-smoothing apparatus. S. Owen. 1,773,060; Aug. 12.
 Surface-treating device. S. Kaufman. 1,773,900; Aug. 26.
 Surface-treating machine. T. E. D. Bilde. 1,783,773; Dec. 2.
 Surfacing apparatus. H. R. Stratford. 1,778,470-1; Oct. 14.
 Surfacing apparatus. H. R. Stratford. 1,779,682; Oct. 28.
 Surfacing apparatus. H. R. Stratford. 1,786,320; Dec. 23.
 Surfacing apparatus. F. J. Tone. 1,765,808; June 24.
 Surfacing machine. J. H. Fox and W. Owen. 1,783,960; Dec. 9.
 Surfacing machine. C. H. Lyne. 1,747,944; Feb. 18.
 Surfacing machine. G. H. Nobbs. 1,763,365; June 10.
 Surfacing machine. A. Peterson. 1,770,549; July 15.
 Surfacing table, Sheet-glass-. J. C. Gipe. 1,761,720; June 3.
 Surfacing unit. E. P. Burrell and N. C. Hunt. 1,758,647; May 13.
 Surfaces with a hard covering, Coating. J. A. Gustafsson. 1,775,308; Sept. 9.
 Surge recorder. J. F. Peters. 1,755,793; Apr. 22.
 Surges, Apparatus for suppressing. W. D. Pomeroy. 1,779,448; Oct. 28.
 Surgical appliance. D. L. Bass. 1,770,832; July 15.
 Surgical dressing. C. W. Barth. 1,753,106; Apr. 1.
 Surgical instrument. W. I. Huber. 1,772,352; Aug. 5.
 Surgical instrument. H. N. Stevenson. 1,754,806; Apr. 15.
 Surgical instrument. T. W. Treharne. 1,763,939; June 17.
 Surgical instrument for circumcisions. J. W. Williams. 1,765,319; June 17.
 Surgical saddle. B. B. Courtney. 1,768,397; June 24.
 Surgical splint. J. J. Ettinger. 1,769,681; July 1.
 Surgical splint. J. J. Ettinger. 1,772,098; Aug. 5.
 Surgical splint. R. D. Foulke. 1,755,641; Apr. 22.
 Surgical suction and pressure apparatus. C. J. Pilling. 1,785,745-6; Dec. 23.
 Surveying instrument. F. Mihalyi. 1,781,667; Nov. 11.
 Surveying instrument. W. T. Rhodes. 1,785,284; Dec. 16.
 Surveying rod. J. Quigley. 1,754,334; Apr. 15.
 Surveyor's rod. R. E. Kapps. 1,783,507; Dec. 2.
 Suspended carrier. E. T. Bennington. 1,759,183; May 20.
 Suspender-adjusting device. W. A. Rice. 1,779,449; Oct. 28.
 Suspender back. M. Cohen. 1,766,485; June 24.
 Suspender end top link. L. W. Shields. Des. 82,854; Dec. 16.
 Suspender, Lingerie. M. L. Helmbold and F. T. O'Malley. 1,783,470; Dec. 2.
 Suspender vest. S. Spielberger. 1,787,216; Dec. 30.
 Suspenders. J. M. Schmeichel. 1,776,707; Sept. 23.
 Suspenders and spinal supporters. J. Glass. Re17,772; Aug. 12.
 Suspenders for overalls. B. Meszaros. 1,750,015; Mar. 11.
 Suspending and retaining footwear, Device for. H. W. Perry. 1,746,962; Feb. 11.
 Suspending animals while being dressed. M. D. Helser. 1,743,346; Jan. 14.
 Suspending hook. C. Neidhammer. 1,781,072; Nov. 11.
 Suspension and holding clip. V. A. and W. Mares. 1,747,450; Feb. 18.
 Suspension arm for an electrical pick-up. N. Nystrom. Des. 81,106; May 6.
 Suspension bracket. R. D. W. Vroom. Des. 81,168; May 13.
 Suspension bunker. D. M. Riff. 1,775,656; Sept. 16.
 Suspension clamp. F. H. Miller. 1,768,775; July 1.
 Suspension clamp. F. H. Miller. 1,783,543; Dec. 2.
 Suspension clamp. W. W. Woodruff and R. L. Jenner. 1,776,531; Sept. 23.
 Suspension device. S. Smiley, jr. 1,755,338; Apr. 22.

- Suspension device, Portable. E. O. Frederics. 1,777,663; Oct. 7.
- Suspension disconnecting switch and mounting therefor. F. H. Mayer. 1,755,328; Apr. 22.
- Suspension for vehicles. T. A. Conlon. 1,764,038; June 17.
- Suspension hook. T. S. Rainey. 1,757,875; May 6.
- Suspension wheel, Pneumatic. F. Tessé. 1,761,997; June 3.
- Suture. W. F. Rolston. 1,781,933; Nov. 18.
- Swab. H. R. Standlee. 1,743,937; Jan. 14.
- Swab, Fluid-operated. H. W. Fletcher. 1,784,096; Dec. 9.
- Swab, Fluid-operated. H. W. Fletcher and N. H. Ricker. 1,769,637; July 1.
- Swab, Heavy-duty. G. Christenson. 1,757,005; May 6.
- Swaging apparatus. P. A. Nelson. 1,771,548; July 29.
- Swaging mechanism for nipples. E. W. Stoler. 1,763,938; June 17.
- Swatters, Extension for fly. J. P. Haberle. 1,765,147; June 17.
- Sweater. A. M. Augstein. Des. 82,302; Oct. 21.
- Sweater. M. J. Feld. Des. 81,831; Aug. 19.
- Sweater. C. Seidman. Des. 81,942-4; Sept. 2.
- Sweater, Knitted. A. M. Augstein and A. Egerer. Des. 80,560-1; Feb. 25.
- Sweater, Knitted. A. M. Lowenthal. 1,781,647; Nov. 11.
- Sweater or article of similar nature. A. Egerer. Des. 80,258; Jan. 7.
- Sweater or article of similar nature. A. Egerer. Des. 80,885; Apr. 8.
- Sweater or article of similar nature. A. Egerer. Des. 81,128; May 13.
- Sweeper. J. L. Aultman. 1,784,567; Dec. 9.
- Sweeper. C. McKinney. 1,748,049; Feb. 18.
- Sweeper, Carpet. W. E. Sherbondy. 1,750,944; Mar. 18.
- Sweeper, Carpet. E. R. Smith. Des. 81,669; July 22.
- Sweeper, Gutter-broom street. F. D. Wilson. 1,750,829; Mar. 18.
- Sweeper, Suction. H. B. White. 1,764,666; June 17.
- Sweeper, Vacuum. C. F. Brockway. 1,766,424-5; June 24.
- Sweeper, Vacuum. C. C. Dance. 1,773,961; Aug. 26.
- Sweeping compound. E. Conrad. 1,758,735; May 13.
- Sweetening process. G. L. Rowsey. 1,754,649; Apr. 15.
- Sweetmeat, Dummy. T. Errington and W. Errington. 1,776,622; Sept. 23.
- Swift. E. R. Alderman. 1,749,460; Mar. 4.
- Swimmer's device. J. L. Wilcox. 1,754,704; Apr. 15.
- Swimming apparatus. B. Eguiluz. 1,777,749; Oct. 7.
- Swimming appliance. J. W. Cuthbertson. 1,767,651; June 24.
- Swimming appliance. O. I. Price. 1,759,711; May 20.
- Swimming appliance. L. F. Snapp. 1,745,280; Jan. 28.
- Swimming appliance. T. B. Sykes. 1,748,317; Feb. 25.
- Swimming appliance. P. J. Young. 1,752,051; Mar. 25.
- Swimming device. W. A. Hoekstra. 1,770,472; July 15.
- Swimming device. E. P. Quain. 1,777,050; Sept. 30.
- Swimming device. E. Wegner. 1,757,277; May 6.
- Swimming device. L. R. Williams. 1,765,116; June 17.
- Swimming device, Safety. F. N. Mikus. 1,777,413; Oct. 7.
- Swimming pools in a sanitary condition, Maintaining. R. M. Sutphen and J. F. Booraem. 1,762,314; June 10.
- Swimming trunk. P. Bergh. Des. 81,124; May 13.
- Swimming tube. W. B. Petz. 1,756,383; Apr. 29.
- Swing. J. C. Gerrond. 1,757,423; May 6.
- Swing. W. O. Hartman. 1,768,905; July 1.
- Swing. F. Kuchera. 1,748,353; Feb. 25.
- Swing, Airplane. F. C. Hester, Jr. 1,786,239; Dec. 23.
- Swing hanger. W. Conlan. 1,770,152; July 8.
- Swing or similar article. A. J. Lehman. Des. 80,736; Mar. 18.
- Swing, Porch. T. W. Ross. 1,773,752; Aug. 26.
- Swing, Rotary. V. E. Laswell. 1,744,317; Jan. 21.
- Swing-seating device. F. G. Rose. 1,766,840; June 24.
- Swinging frame. J. Baskin. 1,778,728; Oct. 21.
- Swinging mechanism for imparting reciprocatory movements, Free. H. J. Denham. 1,746,338; Feb. 11.
- Swings, Attachment for porch. W. H. Fry. 1,783,502; Dec. 2.
- Switch: See—
- Alarm switch.
- Automatic switch.
- Bus seat switch.
- Button switch.
- Centrifugal switch.
- Circuit switch.
- Coil switch.
- Coin-controlled switch.
- Coin-operated switch.
- Compensating switch.
- Connector switch.
- Control switch.
- Disconnect switch.
- Disconnecting switch.
- Double-throw switch.
- Electric switch.
- Electric mat switch.
- Electric-meter switch.
- Electric snap switch.
- Electrical switch.
- Electrically-operated switch.
- Electromagnetic switch.
- Enclosed switch.
- Entrance switch.
- Expansion and contraction switch.
- Fire-alarm switch.
- Flash-light switch.
- Flashing switch.
- Float switch.
- Float-operated switch.
- Fluid switch.
- Fuse switch.
- Heating switch.
- High-tension switch.
- High-voltage switch.
- Ignition switch.
- Ignition and lighting switch.
- Inclosed switch.
- Indicating-instrument switch.
- Indicator switch.
- Jack switch.
- Knife switch.
- Laundry-iron switch.
- Light switch.
- Light-dimming switch.
- Lighting and ignition switch.
- Limit switch.
- Liquid-supply-indicating-device switch.
- Lock switch.
- Locked switch.
- Magnetic switch.
- Manhole switch.
- Mercury switch.
- Mercury-tube switch.
- Motor switch.
- Motor-control switch.
- Motor-starting switch.
- Multiple-break switch.
- Neutralized switch.
- Oil switch.
- Oil-break switch.
- Pedal switch.
- Pedal-operated switch.
- Pick-up switch.
- Plug switch.
- Pneumatic switch.
- Pressure-operated switch.
- Protective switch.
- Quick-break switch.
- Quick-make and quick-break switch.
- Railway switch.
- Ratio adjusting switch.
- Rectifying switch.
- Remote-control switch.
- Reversing switch.
- Rotary switch.
- Rotary line switch.
- Safety switch.
- Safety control switch.
- Sectionalizing switch.
- Selective switch.
- Selector switch.
- Series switch.
- Service switch.
- Sharpener switch.
- Short-circuiting switch.
- Signal switch.
- Signal-control switch.
- Signal-operating switch.
- Snop switch.
- Speed-governor switch.
- Starter switch.
- Starting switch.
- Starting and light switch.
- Steering-column switch.
- Steering-wheel switch.
- Stop-light switch.
- Testing switch.
- Thermostat switch.
- Thermostatic switch.
- Time switch.
- Time-controlled switch.
- Timing switch.
- Tire-deflation switch.
- Tire-indicating switch.
- Toggle switch.
- Tools switch.
- Track switch.
- Tread switch.
- Treadle switch.
- Two-step switch.
- Valve-actuated switch.
- Weight-released switch.
- Switch. C. F. Anderson. 1,745,288; Jan. 28.
- Switch. W. O. Benjafield. 1,781,970; Nov. 18.
- Switch. T. Birkenmaier. 1,765,399; June 24.
- Switch. W. P. Brand. 1,753,846; Apr. 8.
- Switch. J. D. Burkholder. 1,744,029; Jan. 21.
- Switch. N. J. Conrad. Re17,611; Mar. 4.
- Switch. N. J. Conrad. 1,746,337; Feb. 11.
- Switch. J. E. Cook. 1,768,572; July 1.
- Switch. P. E. Cook. 1,769,108; July 1.
- Switch. H. A. George. 1,784,930; Dec. 16.
- Switch. W. A. Heinrich. 1,764,403; June 17.
- Switch. J. J. Hogan. 1,749,536; Mar. 4.
- Switch. I. Inaba. 1,748,881; Feb. 25.
- Switch. E. N. Jacobi. 1,753,861; Apr. 8.
- Switch. E. N. Jacobi. 1,784,290; Dec. 9.
- Switch. H. E. Kempton and K. F. Gallimore. 1,751,204; Mar. 18.
- Switch. J. S. Kinney. 1,747,444; Feb. 18.
- Switch. C. Koettgen. 1,747,445; Feb. 18.
- Switch. J. R. Marshall. 1,751,826; Mar. 25.
- Switch. H. E. Norviel. 1,779,445-6; Oct. 28.
- Switch. J. B. Patlachon. 1,778,087; Oct. 14.
- Switch. J. J. Rattay. 1,775,320; Sept. 9.
- Switch. M. H. Rhodes. 1,773,697; Aug. 19.
- Switch. L. T. Robertson. 1,787,262; Dec. 30.
- Switch. J. E. Schmitt. 1,769,040; July 1.
- Switch. O. Simon. 1,768,299; June 24.
- Switch. F. Slady. 1,761,803; June 3.
- Switch. J. A. Smith. 1,760,257; May 27.
- Switch. A. G. Steinmayer. 1,750,693; Mar. 18.
- Switch. D. G. Taylor. 1,768,943; July 1.
- Switch. E. D. Treanor. 1,752,213; Mar. 25.
- Switch. W. G. Wehr. Re17,830; Oct. 14.
- Switch. R. K. Winning. 1,753,977; Apr. 8.
- Switch. E. Volkman. 1,743,942; Jan. 14.
- Switch-actuating mechanism. G. H. Whittingham. 1,753,076; Apr. 1.
- Switch-actuating mechanism. G. H. Whittingham. 1,753,180; Apr. 1.
- Switch alarm, Adjustable high and low pressure. W. C. Elliott and E. S. Henry. 1,780,179; Nov. 4.
- Switch and contact structure therefor, Electric. C. D. Ainsworth. 1,762,604; June 10.
- Switch and contact structure therefor, Electric. D. C. Garraway. 1,742,245; Jan. 7.
- Switch and contact structure therefor, Electric. D. C. Garraway. 1,742,246; Jan. 7.
- Switch and contact structure therefor, Electric. T. T. Greenwood. 1,775,854; Sept. 16.
- Switch and cover plate therefor, Push-button electric. G. W. O'Keefe. 1,787,210; Dec. 30.
- Switch and expansible casing therefor, Electric. G. A. Burnham. 1,769,051; July 1.
- Switch and indicator. N. F. Kochka. 1,761,348; June 3.
- Switch and operating mechanism therefor. A. G. Steinmayer. 1,770,953; July 22.
- Switch and outlet box. J. E. Milcoff. 1,785,524; Dec. 16.
- Switch and plug connector, Combination thermostatic. P. A. Peterson. 1,780,631; Nov. 4.
- Switch and regulator, Combined automatic. F. Menzel. 1,765,381; June 24.
- Switch and service box, Entrance. J. C. Lewis. 1,770,210; July 8.
- Switch and signal system, Electric. F. H. Richterkessing. 1,783,308; Dec. 2.

- Switch and system of motor control employing the same, Electric. G. E. Stack. 1,776,136; Sept. 16.
- Switch and theft-alarm switch, Combination ignition-lock. G. A. Thormeyer. 1,779,150; Oct. 21.
- Switch apparatus, R. Keller. 1,749,539; Mar. 4.
- Switch apparatus, Electric-. E. A. Fagerlund. 1,774,230; Aug. 26.
- Switch apparatus for gas burners, Time. G. B. Collier. 1,787,422; Dec. 30.
- Switch apparatus, Liquid-level-indicating. J. C. Waiters. 1,744,289; Jan. 21.
- Switch apparatus, Time-controlled. D. L. Frooks. 1,757,456; May 6.
- Switchboard and the like. H. Apel. 1,761,461; June 8.
- Switchboard key, Telephone-. R. F. Stephenson. 1,773,015; Aug. 12.
- Switchboard-panel wiring. C. S. Bousum. 1,746,633; Feb. 11.
- Switchboard plug. A. P. Beregkoff. 1,786,329; Dec. 23.
- Switchboard system, Telephone-. G. V. King. 1,747,833; Feb. 18.
- Switchboard, Telephone. C. Borgmann, H. E. Marting, and H. M. Hagland. 1,779,058; Oct. 21.
- Switch box. M. J. Behm. 1,775,665; Sept. 16.
- Switch box. C. Newman and E. G. Appleton. 1,782,545; Nov. 25.
- Switch box, Meter-entrance. S. Hammer. 1,781,686; Nov. 18.
- Switch box, Safety. D. T. Wadsworth. 1,760,571; May 27.
- Switch casing and meter adapter. G. E. Palmer and E. G. Johnson. 1,770,425; July 15.
- Switch-closing mechanism. N. J. Frost and R. S. Seese. 1,746,932; Feb. 11.
- Switch connector. G. J. Meuer. 1,744,237; Jan. 21.
- Switch construction. C. J. Cayo. 1,747,927; Feb. 18.
- Switch construction. C. W. Eisenmann. 1,752,900; Apr. 1.
- Switch construction, Handle. R. F. Shunk. 1,772,964; Aug. 12.
- Switch construction, Push-button-. K. Knudsen. 1,779,133; Oct. 21.
- Switch contact. W. R. Huttinger. 1,774,377; Aug. 26.
- Switch contact finger. A. Cohn and A. Kummel. 1,751,444; Mar. 18.
- Switch contact mechanism. E. R. Carichoff. 1,779,659; Oct. 28.
- Switch control. J. L. Arthur. 1,753,913; Apr. 8.
- Switch-control apparatus. A. G. Shaver. 1,763,011; June 10.
- Switch control, Automatic. L. Bernier. 1,743,097; Jan. 14.
- Switch control, Electric. S. S. Stolp. 1,769,278; July 1.
- Switch control for auxiliary devices. J. E. Long. 1,765,596; June 24.
- Switch control for toy railroads, Track-. H. S. Becker. 1,744,518; Jan. 21.
- Switch control, Overflow-. H. A. Petersen. 1,745,639; Feb. 4.
- Switch-controlling apparatus, Railway-. L. E. Spray. 1,744,931; Jan. 28.
- Switch-controlling apparatus, Railway-. W. A. Wood. 1,778,543; Oct. 14.
- Switch device. N. C. Durand. 1,786,294; Dec. 23.
- Switch device, Electric-. T. H. Thomas. 1,786,176; Dec. 23.
- Switch device, Electrical. C. M. Petersen. 1,762,075; June 3.
- Switch device for automatic oil-pressure control and signaling apparatus. P. Blaschke. 1,769,673; July 1.
- Switch device for electric irons. J. W. Patrick. 1,770,241; July 8.
- Switch device, Limit-. H. A. Wackerly. 1,756,714; Apr. 29.
- Switch for automatic telephone systems, Selector. C. A. W. Hultman. 1,751,406; Mar. 18.
- Switch for automobile burglar-alarm systems. F. Kudrna, jr., and N. Yirkosky. 1,767,380; June 24.
- Switch for automobiles, Control. R. K. Winning. 1,746,626; Feb. 11.
- Switch for automobiles, safes, and the like, Alarm. C. W. Timmons. 1,767,326; June 24.
- Switch for automotive vehicles, Controller. H. E. Norviel. 1,745,807; Feb. 4.
- Switch for cable-carrying drums. J. H. Cohen. 1,763,953; June 17.
- Switch for clothes wringers, Safety. C. C. Zwiebel. 1,761,030; June 3.
- Switch for cooling water alarms. H. I. McQuire. 1,775,773; Sept. 16.
- Switch for devices for supplying paper to printing presses. J. E. Rust. 1,782,698; Nov. 25.
- Switch for directional signals. E. L. Yocum and R. T. Wardrop. 1,753,078; Apr. 1.
- Switch for direction signals, Control. N. Gregorieff. 1,757,014; May 6.
- Switch for dispensing apparatus, Signal. A. Biron. 1,783,106; Nov. 25.
- Switch for door operators. J. E. Anderson. 1,760,466; May 27.
- Switch for drilling machines. H. P. Chandler. 1,775,449; Sept. 9.
- Switch for electric grinders, Valve-controlled. H. Meyer. 1,784,493; Dec. 9.
- Switch for electric-light installations, Time-limit. E. A. Fagerlund and K. E. R. Löfgren. 1,769,126; July 1.
- Switch for electric motors, Governor. F. Meyer. 1,784,675; Dec. 9.
- Switch for electrical flash lights. W. J. Officer. 1,774,722; Sept. 2.
- Switch for elevator annunciators, Cut-off. F. A. Boedtscher. 1,767,870; June 24.
- Switch for motor-operated vehicles, Safety. P. Irizarry. 1,787,381; Dec. 30.
- Switch for music-reproducing machines, Change-key. B. E. Mills. 1,786,441; Dec. 30.
- Switch for radioreceivers. V. O. Syester. 1,780,690; Nov. 4.
- Switch for signaling systems. B. L. Bobroff. 1,775,585; Sept. 9.
- Switch for thermostats, etc., Electrical. J. A. Spencer. 1,776,012; Sept. 16.
- Switch for toy electric railways, Electric. A. H. Gill. 1,751,992; Mar. 25.
- Switch-indicating means. C. W. Prescott. 1,766,536; June 24.
- Switch lock. E. N. Jacobi. 1,745,326; Jan. 28.
- Switch lock. T. B. Lyles. 1,759,655; May 20.
- Switch lock. V. V. Proffen. 1,752,613; Apr. 1.
- Switch lock, Electric-. H. E. Norviel. 1,747,383; Feb. 18.
- Switch lock, Self-opening. B. W. Sweet. 1,762,202; June 10.
- Switch mechanism. E. A. Bohlman. 1,759,834; May 27.
- Switch mechanism. J. M. Brown. 1,749,560; Mar. 4.
- Switch mechanism. D. R. Davies. 1,764,435; June 17.
- Switch mechanism. V. R. Despard. 1,776,581; Sept. 23.
- Switch mechanism. S. Gersmann and B. I. Hayford. 1,768,756; July 1.
- Switch mechanism. T. E. Griffith and L. L. Dodds. 1,768,249; June 24.
- Switch mechanism. G. H. Hart. 1,749,283; Mar. 4.
- Switch mechanism. J. H. Kendig. 1,759,655; Apr. 22.
- Switch mechanism. H. K. Krantz. 1,751,242; Mar. 18.
- Switch mechanism. H. K. Krantz. 1,786,757; Dec. 30.
- Switch mechanism. C. Mauborgne. 1,755,070; Apr. 15.
- Switch mechanism. L. F. Meunier. 1,745,766; Feb. 4.
- Switch mechanism. I. N. Oglevee. 1,745,554; Feb. 4.
- Switch mechanism. R. T. Pierce. 1,786,778; Dec. 30.
- Switch mechanism. W. H. Schramm. 1,747,491; Feb. 18.
- Switch mechanism. L. J. Wick. 1,754,004; Apr. 8.
- Switch mechanism, Check-controlled. J. F. Meyer. 1,760,655; May 27.
- Switch mechanism, Electric-. D. D. Gordon. 1,745,161; Jan. 28.
- Switch mechanism, Electric. H. A. H. Nijland. 1,776,332; Sept. 23.
- Switch mechanism, Electric. W. K. Rankin. 1,751,420; Mar. 18.
- Switch mechanism, Electric snap-. W. C. Stevens and G. J. Meuer. 1,784,207; Dec. 9.
- Switch mechanism for automotive vehicles, Combined lighting and signaling. H. A. Douglas. 1,748,014-5; Feb. 18.
- Switch mechanism for controlling electric circuits. O. A. Riton. 1,768,714; July 1.
- Switch mechanism for counters. C. L. Carlson. 1,744,259; Jan. 21.
- Switch mechanism for signaling devices for motor-driven vehicles. C. M. Jacobsen. 1,774,273; Aug. 26.
- Switch mechanism for synchronous motor-starting systems. C. T. Hibbard. 1,742,593; Jan. 7.
- Switch mechanism for talking-motion-picture-exciting lamps. L. de Forest. 1,769,909; July 1.
- Switch mechanism, High-tension. C. G. Koppitz. 1,758,751; May 13.
- Switch mechanism, Railway-. J. T. McGarry. 1,760,846; May 27.
- Switch mechanism, Railway-. L. Wynn-Williams. 1,758,637; May 13.
- Switch mechanism, Recording. T. R. Harrison. 1,770,918; July 22.
- Switch member, Protective. H. M. Janville. 1,758,519; May 13.
- Switch-operated frog. W. A. England. 1,785,895; Dec. 23.
- Switch operating and locking means. O. Nell. 1,770,421; July 15.
- Switch-operating apparatus. N. C. Lovell. 1,756,369; Apr. 29.
- Switch-operating handle, Locking-type. A. Alsaker and E. Nordhem. 1,774,540; Sept. 2.
- Switch-operating mechanism. C. F. Carpenter. 1,768,461; June 24.
- Switch-operating mechanism. F. A. Lundahl. 1,750,234; Mar. 11.
- Switch-operating mechanism. L. S. Walle. 1,760,532; May 27.
- Switch-operating mechanism, Coin-controlled. R. O. Gilburg. 1,752,592; Apr. 1.
- Switch-operating mechanism, Coin-controlled electric-. R. O. Gilburg. 1,743,815; Jan. 14.
- Switch-operating mechanism, Electric-. W. P. Hamlyn and M. C. I. Hunter. 1,761,724; June 3.
- Switch-operating mechanism, Electric. W. K. Rankin. 1,760,523; May 27.
- Switch-operating mechanism, Electric-. L. S. Walle. 1,781,561; Nov. 11.
- Switch-operating mechanism, Electrical. E. H. Grim. 1,774,709; Sept. 2.

- Switch operator. A. M. Melahn. 1,775,170; Sept. 9.
Switch or outlet box, Duplex. J. W. MacMillen. 1,776,126; Sept. 16.
Switch plug, Fusible. L. A. M. Phelan. 1,779,143; Oct. 21.
Switch plug, Fusible. L. A. M. Phelan. 1,780,313; Nov. 4.
Switch plug, Removable. O. V. Lemay. 1,767,250; June 24.
Switch point for tubular postal systems. W. Höhne. 1,753,989; Apr. 8.
Switch-point lock. F. Isaacson and W. M. Caughlan. 1,785,630; Dec. 16.
Switch-point protector. E. R. Packer. 1,765,995; June 24.
Switch rail for monorail suspended railways. O. Haferkorn. 1,750,802; Mar. 18.
Switch reclosing mechanism, Automatic. E. K. Sadler. 1,745,717; Feb. 4.
Switch stand. S. L. Eastburn. 1,783,283; Dec. 2.
Switch stand. C. H. Partington. 1,786,260; Dec. 23.
Switch stand. J. W. Stanley. 1,760,790-1; May 27.
Switch-stand lock. P. Swanson. 1,749,198; Mar. 4.
Switch-stand lock. P. Swanson. 1,773,326; Aug. 19.
Switch structure. M. Guett. 1,757,859; May 6.
Switch structure, Railway-. H. L. Miller. 1,785,454; Dec. 16.
Switch structure, Temperature-control. A. Penn. 1,749,392; Mar. 4.
Switch structure, Treadle-. P. R. Forman. 1,775,755; Sept. 16.
Switch throw or keeper. A. Galey. 1,749,478; Mar. 4.
Switch-throw stand. J. O. Gill. 1,752,736; Apr. 1.
Switch-throwing mechanism. C. C. Korns. 1,753,271; Apr. 8.
Switcher device for oil-storage tanks, Automatic. W. S. Bradley. 1,747,814; Feb. 18.
Switching apparatus, Electrical. F. Duwe. 1,755,689; Apr. 22.
Switching apparatus, Electrical. O. W. Matthern and C. T. Siebs. 1,744,782; Jan. 28.
Switching apparatus, Electrical. W. M. Scott. 1,746,319; Feb. 11.
Switching apparatus for steering-column controls. H. E. Norviel. 1,753,576; Apr. 8.
Switching apparatus, Isolated phase. M. B. Wood. 1,769,563; July 1.
Switching arrangement, Automatic. H. Bany and H. E. Lockett. 1,755,094; Apr. 15.
Switching device, Fused. H. J. L. Frank. Re17,910; Dec. 23.
Switching mechanism. H. A. Douglas. 1,746,887; Feb. 11.
Switching mechanism. D. L. Lindquist, E. L. Dunn, and D. C. Larson. 1,767,892; June 24.
Switching mechanism, Coin-controlled. F. L. Coffing and O. A. Medley. 1,779,086; Oct. 21.
Switching mechanism, Electric. H. A. Douglas. 1,748,013; Feb. 18.
Switching mechanism, Electric. H. A. Douglas. 1,761,435; June 3.
Switching of railway cars at yards and terminals, Method and apparatus for directing the. L. M. Gibbs. 1,753,602; Apr. 8.
Switching station, High-potential. H. J. H. Huber and H. Trencham. 1,756,865; Apr. 29.
Switching system and apparatus, Electric high-tension. G. A. Burnham. 1,748,060; Feb. 25.
Switching system, Automatic. A. E. Anderson. 1,756,844; Apr. 29.
Switching system, Automatic. A. E. Anderson and F. D. King. 1,786,326; Dec. 23.
Switching system, Automatic. R. A. Fuller. 1,756,903; Apr. 29.
Switching system, Automatic. W. N. Gittings. 1,756,858; Apr. 29.
Switching system, Electromechanical. F. Aldendorff. 1,768,281; June 24.
Switching system, Remote-control. L. F. Bird. 1,783,900; Dec. 2.
Switching system, Telegraph. C. E. Lomax. 1,774,716; Sept. 2.
Switches, Actuating and controlling mechanism for electric. W. R. Huttinger. 1,787,314; Dec. 30.
Switches, Adjusting means for tiltable. L. A. M. Phelan. 1,747,153; Feb. 11.
Switches, Conditioning electric. R. A. Millikan and R. W. Sorensen. 1,784,302; Dec. 9.
Switches, Gap detector for railway. R. S. McElbaney. 1,756,601; Apr. 29.
Switches, Make-and-break mechanism for electric. C. S. Dutton, E. Alexander and G. H. Derrick. 1,769,214; July 1.
Switches, Safety appliance for. J. F. Haddock. 1,745,418; Feb. 4.
Swivel. E. Gray. 1,746,036; Feb. 4.
Swivel. J. A. Wray. 1,760,224; May 27.
Swivel butt book. W. H. Nourse. 1,786,081; Dec. 23.
Swivel connector for electric wires. R. and A. J. Couture. 1,743,118; Jan. 14.
Swivel connection, Electric. C. S. Larkey. 1,768,260; June 24.
Swivel, Electric. E. E. Goucher and R. B. Cummings. 1,749,702; Mar. 4.
Swivel electric connector. H. Rohrdanz. 1,762,422; June 10.
Swivel for rotary drilling apparatus. E. E. Greve. 1,761,826; June 3.
Swivel hook. C. V. Koons. 1,773,045; Aug. 12.
Swivel joint for electrical fittings. C. H. Baker. 1,778,658; Oct. 14.
Swivel plug and receptacle. R. B. and T. J. Cunningham. 1,770,511; July 15.
Swivel, Rotary. J. H. Swain and H. H. Hastings. 1,766,562; June 27.
Swiveling chair. A. J. Adams. Re17,686; June 3.
Synchronism, Indicating. W. A. Marrison. 1,762,725; June 10.
Synchronizer release. J. N. Ogle. 1,747,839; Feb. 18.
Synchronizer, Resilient. H. J. Murray. 1,764,335; June 17.
Synchronizer, Sequential-action. H. J. Murray. 1,777,012; Sept. 30.
Synchronizing apparatus. H. Bany and G. R. McDonald. 1,780,667; Nov. 4.
Synchronizing apparatus. A. P. Davis. 1,769,988; July 8.
Synchronizing device. L. F. Kennedy. 1,755,064; Apr. 15.
Synchronizing device for musical instruments or other apparatus. E. Aubry and G. Boreau. 1,758,776; May 13.
Synchronizing reproducing apparatus. E. D. Cook. 1,775,019; Sept. 2.
Synchronizing rotary devices. A. D. Dowd. 1,762,963; June 10.
Synchronizing sound and motion pictures, Method for. F. H. Owens. 1,765,997; June 24.
Synchronizing system. C. F. Jenkins. 1,766,644; June 24.
Synchronizing system. W. A. Knoop. 1,747,248; Feb. 18.
Synchronizing system. L. J. Wolf. 1,781,263; Nov. 11.
Synchronizing two or more disconnected elements, Method and apparatus for. H. J. Nichols. 1,759,864; May 27.
Synchronous amplifying control mechanism. H. W. Nieman. 1,751,652; Mar. 25.
Synchronous motor. C. W. Ebeling. 1,756,055; Apr. 29.
Synchronous motor. W. A. Marrison. 1,763,000; June 10.
Synchronous motor, Self-starting. P. P. Horni. 1,780,648; Nov. 4.
Synchronous motor, Self-starting. W. C. Nein and T. W. Varley. 1,776,520; Sept. 23.
Synchronous motor, Starting. A. R. Stevenson, Jr. 1,752,932; Apr. 1.
Synthetic-methanol process. L. A. Stengel. 1,754,371; Apr. 15.
Synthetic product and making same. B. N. Lougovoy. 1,756,252; Apr. 29.
Synthetic resin and making the same. E. E. Novotny. 1,767,696; June 24.
Syringe. F. R. Belfrage and L. A. Thomas. 1,779,268; Oct. 21.
Syringe. J. W. Brunette. 1,751,507; Mar. 25.
Syringe. G. N. Hein. 1,771,219; July 22.
Syringe. L. F. Novak. 1,768,780; July 1.
Syringe. A. F. Pieper. 1,757,473; May 6.
Syringe. A. E. Smith. 1,770,631; July 15.
Syringe. A. E. Smith. 1,770,634; July 15.
Syringe. K. Tokita. 1,762,430; June 10.
Syringe. B. Wandel. 1,748,810; Feb. 25.
Syringe, Ampul. A. E. Smith. 1,770,632; July 15.
Syringe attachment. J. W. Brunette. 1,785,293; Dec. 16.
Syringe for injecting liquids into the body or for taking them therefrom, Hypodermic. F. Meyer. 1,766,918; June 24.
Syringe guard, Hypodermic-. C. Sponsel. 1,779,451; Oct. 28.
Syringe hydrometer. F. L. Freas. 1,764,254; June 17.
Syringe, Hypodermic. F. S. Dickinson. 1,742,497; Jan. 7.
Syringe, Hypodermic. G. N. Hein. 1,744,893; Jan. 28.
Syringe, Hypodermic. E. L. Hoskins. 1,747,243; Feb. 18.
Syringe, Hypodermic. W. F. Jamison. 1,752,384; Apr. 1.
Syringe, Hypodermic. F. C. Montuori. 1,757,809; May 6.
Syringe, Hypodermic. D. I. Fletcher. 1,782,938; Nov. 25.
Syringe, Hypodermic. A. E. Smith. Re17,906; Dec. 16.
Syringe, Hypodermic. A. E. Smith. 1,770,633; July 15.
Syringe, Manual. P. M. Miller. 1,766,668; June 24.
Syringe, Nasal. R. H. and F. C. Wappler. 1,755,754; Apr. 22.
Syringe plug. J. E. Harding. 1,767,449; June 24.
Syringe, Self-arighting dental. K. G. Moore. 1,762,237; June 10.
Syringe, Urethral. S. Zacek. 1,763,079; June 10.
Syringe, Vaginal. N. B. Salerni. 1,761,588; June 3.
Syringes, Needle-locking device for. J. B. Neil. 1,757,680; May 6.
Syringes, Power drive for. S. Feinstein. 1,751,139; Mar. 18.
System for converting light energy into electrical energy and vice versa. F. Mohr. 1,768,288; June 24.
T for drainage fittings, Connecting. E. Kennedy. 1,747,514; Feb. 18.
T-head bracket. G. B. Bosco. 1,770,150; July 8.
T-wind cone. W. C. Breedlove. 1,742,574; June 7.
T Y Connection, Combination. W. H. Oldfield. 1,759,321; May 20.
Tab. W. R. C. Rowan. 1,767,555; June 24.
Tab index for envelopes and making same. R. N. Lupfer. 1,777,499; Oct. 7.

Table: See—

- Accounting table. Fruit-grading table.
 Automobile table. Glass-surfacing table.
 Bed table. Hospital table.
 Billiard table. Ironing table.
 Bundling and delivery table. Indexing table.
 Card table. Lamp table.
 Collapsible table. Obstetrical table.
 Collating table. Operating table.
 Concentrator table. Ophthalmic table.
 Convertible table. Ore-concentrating table.
 Conveyor table. Orthopedic table.
 Desk table. Press table.
 Drop-leaf table. Proof-reader's table.
 Embalming table. Revolving table.
 Examining table. Roll table.
 Examining and irrigating table. Rotary table.
 Extension refractory table. Saw table.
 Extension table. Sealing table.
 Feed table. Serving table.
 Flower table. Spotting table.
 Folding table. Surfacing table.
 Welding table.
- Table. H. J. Altnow. 1,771,831; July 29.
 Table. G. H. Angert. 1,781,043; Nov. 11.
 Table. W. S. Bellows. 1,760,036; May 27.
 Table. C. A. Brantingham. 1,763,341; June 10.
 Table. E. M. Conboy. Des. 81,528; July 8.
 Table. J. N. Faris. 1,766,616; June 24.
 Table. J. Follmer. 1,742,904; Jan. 7.
 Table. W. A. French. Des. 82,739; Dec. 9.
 Table. J. S. Kandel. Des. 81,749; Aug. 5.
 Table. J. S. Konop. 1,763,931; June 17.
 Table. A. MacKinnon. 1,758,196; May 13.
 Table. S. McKlebeck. Des. 81,103; May 6.
 Table. W. R. Thomson. 1,751,536; Mar. 25.
 Table. A. P. Wagner. 1,780,254; Nov. 4.
 Table. E. P. Wanner. 1,744,425; Jan. 21.
 Table. M. E. Waples. 1,775,877; Sept. 16.
 Table. V. Wilson. 1,775,577; Sept. 9.
 Table. J. E. Wood. 1,775,663; Sept. 16.
 Table. M. Wright. 1,770,722; July 15.
 Table and bench, Folding. M. Maes. 1,783,660; Dec. 2.
 Table and cabinet for automobiles, Folding. A. Tone. 1,778,990; Oct. 21.
 Table and ironing board, Combined. A. H. Kennedy. 1,784,449; Dec. 9.
 Table and lap drawing and reading stand. W. E. Westbrook. 1,767,950; June 24.
 Table and pipe-gripping means therefor, Rotary. F. and A. L. Stone. 1,777,587; Oct. 7.
 Table and seat, Combined wall. J. S. Konop. 1,763,932; June 17.
 Table and seats, Combination. R. H. Anderson. 1,768,520; June 24.
 Table and valise, Convertible. H. C. McCloskey. 1,747,019; Feb. 11.
 Table attachment, Folding. W. C. Rastetter. 1,746,792; Feb. 11.
 Tablecloth. H. Koplin. 1,748,179; Feb. 25.
 Table construction. G. W. Krick and D. G. Anderson. 1,786,497; Dec. 30.
 Table construction. C. M. Krummes. 1,743,972; Jan. 14.
 Table construction. L. R. McGuire. 1,782,434; Nov. 25.
 Table construction. J. E. Wood. 1,781,423; Nov. 11.
 Table construction, Metal. P. M. Wege. 1,770,500; July 15.
 Table contact. J. Schneemann. 1,781,528; Nov. 11.
 Table convertible to a chair. H. Schölnhammer. 1,773,501; Aug. 19.
 Table for automobiles, Collapsible. L. H. Cummings. 1,781,977; Nov. 18.
 Table for clothes wringers, Feeding. W. C. F. Dietz. 1,786,705; Dec. 30.
 Table for double shears, Intermediate. L. G. Leichner. 1,776,861; Sept. 30.
 Table for woodworking machines and the like, Adjustable. W. B. and J. E. Boice. 1,742,644; Jan. 7.
 Table frame. E. E. Ekvall. Des. 82,021; Sept. 16.
 Table implement. A. Foltis. 1,765,974; June 24.
 Table leaves, Folding. M. Fox. 1,770,104; July 8.
 Table legs and other objects in finishing liquids, Apparatus for dipping. F. Schimmel. 1,747,681; Feb. 18.
 Table lock. F. B. Walter. 1,763,571; June 10.
 Table or the like. I. Ročić. Des. 80,590; Feb. 25.
 Table or the like, Night. E. J. Pauli. Des. 82,622; Nov. 25.
 Table roll, Suction. H. R. Farnsworth. 1,754,822; Apr. 15.
 Table roller. G. L. Fisk. 1,748,473; Feb. 25.
 Table structure. C. F. Anderson and R. W. Janda. 1,762,605; June 10.
 Table structure. W. C. Buiten. 1,752,780; Apr. 1.
 Table top. H. C. Bailey. 1,749,750; Mar. 11.
 Table top. E. T. O'Neill. Des. 80,286; Jan. 7.
 Table top, Extension. F. Rygl. 1,781,602; Nov. 11.
 Tables and other articles of furniture, Folding leg or support for. F. G. Garrett. 1,777,302; Oct. 7.
 Tables, Attachment for folding card. W. Hanley. 1,747,711; Feb. 18.
 Tables or platforms, Mechanism for raising feed and other. J. I. Nasmith and C. B. Chicken. 1,746,712; Feb. 11.
 Tablet armchair. W. H. Maxwell. 1,757,322; May 6.
 Tablet, Continuous-feed writing. M. Moran. 1,743,372; Jan. 14.
 Tablet, Memorial. A. J. Peters. 1,775,784; Sept. 16.
 Tableting press. W. S. Wallace. 1,758,133; May 13.
 Tabulating machine. G. F. Daly and R. E. Page. 1,762,145; June 10.
 Tabulating machine. C. D. Lake and R. E. Page. 1,757,123; May 6.
 Tabulating machine. C. D. Lake and F. A. Storey. 1,775,132; Sept. 9.
 Tabulating machine. W. W. Lasker. 1,780,621; Nov. 4.
 Tabulating machine. M. Lebeis. 1,780,884; Nov. 4.
 Tabulating machines, Automatic speed-changing device for. R. E. Page. 1,777,890; Oct. 7.
 Tabulating machines, Card group control for. S. C. Bartholomew. 1,760,393; May 27.
 Tabulating machines, Record sheet for. C. D. Lake. 1,772,492; Aug. 12.
 Tabulator. O. J. Sundstrand. 1,756,401; Apr. 29.
 Tabulator, Individually-resettable accumulator unit. F. M. Carroll. 1,750,459; Mar. 11.
 Tabulator, Stationary commutator-type. J. W. Bryce. 1,775,117; Sept. 9.
 Tachometer, Impulse. G. P. Luckey. 1,772,152; Aug. 5.
 Tack-feeding device. K. Wolny. 1,785,570; Dec. 16.
 Tack forming and driving machine. W. B. Mathewson. 1,762,450; June 10.
 Tackle box. T. F. Barry. 1,772,744; Aug. 12.
 Tack or staple, Wall-board. W. H. Booth. 1,774,867; Sept. 2.
 Tack puller, Side. L. G. Freeman. 1,743,444-5; Jan. 14.
 Tack-pulling machine. G. Goddu. 1,753,409; Apr. 8.
 Tack-supplying apparatus. J. F. Alkonis. 1,761,031; June 3.
 Tag. H. E. Hobbs. Des. 80,951; Apr. 15.
 Tag. V. Olson. 1,748,616; Feb. 25.
 Tag. O. W. Pendergast. 1,750,192; Mar. 11.
 Tag and tag-holding device. G. W. Smith. 1,768,379; June 24.
 Tag, Animal. A. A. Pannier. Des. 80,393; Jan. 21.
 Tag attachment. M. R. Kondolf. 1,776,074; Sept. 16.
 Tag, Changeable price. S. Singer. 1,757,485; May 6.
 Tag, Display. E. Edmonds. 1,745,529; Feb. 4.
 Tag, Ear. G. G. Graham. 1,771,574; July 29.
 Tag for containers. L. A. Danco. Des. 80,932; Apr. 8.
 Tag, Identification and price. W. H. Seeley. 1,756,216; Apr. 29.
 Tag, Identification key. R. H. Thayer. 1,749,400; Mar. 4.
 Tag, Jeweler's. C. T. Wittstein. 1,742,982; Jan. 7.
 Tag, Key. B. C. De Shiell. Des. 80,435; Feb. 14.
 Tag, Key. R. H. Thayer. 1,749,399; Mar. 4.
 Tag, Laundry-marking. J. M. Garvey. 1,758,599; May 13.
 Tag, Laundry-marking. A. F. Hanney. 1,763,778; June 17.
 Tag-making machine. S. E. Allen. 1,782,086; Nov. 18.
 Tag, Marking. E. L. Kinch. 1,778,031; Oct. 14.
 Tag, Marking. F. Magidson. 1,761,448; June 3.
 Tag, Price. S. K. Bush. 1,764,003; June 17.
 Tag, Price. F. Kohnle. 1,779,241; Oct. 21.
 Tag, Price. F. Kohnle. 1,780,488; Nov. 4.
 Tag, Price. R. H. Plass. 1,778,535; Oct. 14.
 Tag, Price-marking. F. Kohnle. 1,780,753; Nov. 4.
 Tag, Shipping. S. Noguichi. 1,752,539; Apr. 1.
 Tag-stamping machine. O. T. Wilkinson. 1,777,270; Sept. 30.
 Tag-stringing machine. F. O. Carlson. 1,752,730; Apr. 1.
 Tag strip, Metallic. O. M. Pannier. 1,764,884; June 17.
 Tagging apparatus for stock, Ear. E. R. Hobbs. 1,759,400; May 20.
 Tail clamp. R. C. Pauly. 1,766,187; June 24.
 Tail skid. R. I. Markey. 1,770,756; July 15.
 Tail skid for aircraft. G. Kell. 1,752,183; Mar. 25.
 Tail and stop light, Combination. A. Fisher. Des. 82,880; Dec. 23.
 Tail and stop light, Combined rear. J. W. Cain. 1,772,337; Aug. 5.
 Tailoring. M. Hélot. 1,781,580; Nov. 11.
 Take-off and landing device for aeroplanes. W. B. Gerbracht. 1,752,554; Apr. 1.
 Take-off device for glass-forming machines. H. B. Lawson. 1,771,576; July 29.
 Take-off motion for weaving machines, Automatic. J. Lucas. 1,749,349; Mar. 4.
 Take-off, Power. A. C. Whatley. 1,761,900; June 3.
 Take-up device. W. P. Hunter. 1,785,629; Dec. 16.
 Take-up machine. F. H. Sleeper and W. H. Blount. 1,753,950; Apr. 8.
 Talking machine. H. L. T. Buckle. 1,760,190; May 27.
 Talking machine. M. De Wrangell. 1,751,310; Mar. 18.
 Talking machine. A. F. Larson. 1,751,162; Mar. 18.
 Talking machine. L. Lumiere. 1,757,535; May 6.
 Talking machine. E. N. Waterworth. 1,781,617; Nov. 11.
 Talking machine and radio receiving device, Combination. L. Y. Squibb. 1,767,410; June 24.
 Talking machines, Automatic starting and stopping attachment for. C. G. Hibbard. 1,746,592; Feb. 11.
 Talking machines, Remote control for. W. R. Moore, jr. 1,787,392; Dec. 30.
 Talking machines, Resynchronizer for disk. L. B. Smith. 1,771,274; July 22.
 Tally. C. C. Harris. 1,780,878; Nov. 4.
 Tamper. C. Jackson. 1,779,473-4; Oct. 28.
 Tamper and like impact tool. C. Jackson. 1,747,939; Feb. 18.

- Tamper indicating device. C. K. Henry. 1,772,252; Aug. 5.
 Tamping apparatus. H. S. Brown. 1,778,547; Oct. 14.
 Tamping machine. O. K. Reinhardt. 1,771,419; July 29.
 Tamping machine. A. B. Babbitt. 1,767,197; June 24.
 Tamper mechanism. A. J. Penote. 1,748,655; Feb. 25.
 Tandem draft rigging. J. F. O'Connor. 1,763,856; June 17.
 Tank: *See*—
 Agitator dip tank. Liquid-reserve tank.
 Air-reserve tank. Measuring tank.
 Deck tank. Pump and storage tank.
 Feed tank. Quenching tank.
 Fire-bucket tank. Radiator tank.
 Floating-deck tank. Rescue tank.
 Floating-roof tank. Roof tank.
 Flush tank. Safety tank.
 Flushing tank. Sectional tank.
 Fuel tank. Sedimentation tank.
 Fuel-burning tank. Septic tank.
 Glass tank. Sewage-disposal tank.
 Glass-working tank. Storage tank.
 Lined tank. Vacuum tank.
 Liquid-metering tank. Wading tank.
 Tank. H. Feldmeier. 1,755,176; Apr. 22.
 Tank. G. E. Tiley. 1,745,065; Jan. 28.
 Tank and joint for forming same. T. J. Shea. 1,765,946; June 24.
 Tank and making the same. H. P. Merriam. 1,748,576; Feb. 25.
 Tank and pump, Combined portable gasoline. F. J. Vnuk. 1,768,186; June 24.
 Tank and roof structure therefor. T. J. Shea. 1,765,947; June 24.
 Tank ball. H. R. Crane. 1,777,553; Oct. 7.
 Tank-cap lock, Gasoline. V. C. Thomas. 1,778,989; Oct. 21.
 Tank cap, Pressure-. A. W. Kegler. 1,782,563; Nov. 25.
 Tank car. W. F. J. Casey, G. Cavin, and C. E. Brooks. 1,769,490; July 1.
 Tank-closure lock. A. O. Bradshaw. 1,786,332; Dec. 23.
 Tank delivery structure. P. S. Shield. 1,762,533; June 10.
 Tank-dome cover and locking means therefor. J. C. Abel. 1,748,056; Feb. 25.
 Tank ends, Forming. H. P. Merriam. 1,748,577; Feb. 25.
 Tank entrance, Protected. C. F. Bertschinger. 1,773,295; Aug. 19.
 Tank expansion joint, Oil-. C. F. H. Bohnhardt. 1,754,597; Apr. 15.
 Tank-filling apparatus. C. E. Williams and J. A. Johnson. 1,760,391; May 27.
 Tank fitting. R. J. Anschicks. 1,767,642; June 24.
 Tank fixture, Flush-. A. A. and J. A. Briggs. 1,769,617; July 1.
 Tank for chromium plating. C. R. Gleason. 1,784,987; Dec. 16.
 Tank for harvester thrashers, Grain. C. R. Raney and A. E. W. Johnson. 1,751,601; Mar. 25.
 Tank for ice plants, Brine. N. H. Gay. 1,766,020; June 24.
 Tank for motor vehicles, Auxiliary fuel. S. E. Milne. 1,745,179; Jan. 28.
 Tank for motor vehicles, Gasoline. A. E. Sawyer. 1,742,972; Jan. 7.
 Tank for oils, Storage. J. F. Patterson. 1,774,943; Sept. 2.
 Tank for stock cars, Water. I. V. Edgerton. 1,784,826; Dec. 16.
 Tank for toilets, Flush. H. F. Weaver. Des. 82,070; Sept. 16.
 Tank for transportation of volatile liquids. E. Brainich. 1,775,484; Sept. 9.
 Tank gauge. R. E. Hall. 1,759,572; May 20.
 Tank gauge. A. R. Huettig. 1,747,439; Feb. 18.
 Tank indicator. C. A. de Giers. 1,749,419; Mar. 4.
 Tank indicator. G. J. Dunbaugh, jr. 1,744,110; Jan. 21.
 Tank mounting, Gasoline-. V. Jantsch. 1,757,429; May 6.
 Tank or pressure vessel, Lined. A. E. Maskrey. 1,748,575; Feb. 25.
 Tank-roof structure. C. F. H. Bohnhardt. 1,754,596; Apr. 15.
 Tank sampler. M. R. Meacham and W. J. Seeland. 1,767,301; June 24.
 Tank-sealing device. E. G. Friedman. 1,754,091; Apr. 8.
 Tank structure. E. J. Borgman and G. White, jr. 1,743,109; Jan. 14.
 Tank structure, Septic-. I. Gutman and G. E. Evans. 1,742,911; Jan. 7.
 Tank structure, Septic-. I. Gutman and G. E. Evans. 1,769,340; July 1.
 Tank suction-pipe unit. W. E. Wollheim. 1,775,798; Sept. 16.
 Tank-vent device. J. B. Holtson. 1,784,067; Dec. 9.
 Tank with submerged contact aerators, Aeration. K. Imhoff. 1,743,550; Jan. 14.
 Tankage press, Continuous. B. Winger. 1,748,374; Feb. 25.
 Tanks and producing same, Closed pontoon floating decks for oil. J. F. Kimbell. 1,748,231; Feb. 25.
 Tanks, Antifraud means for storage. C. F. Bertschinger. 1,781,534; Nov. 11.
 Tanks, Circulation element for. A. J. Henry. 1,755,599; Apr. 22.
 Tanks, Filling attachment for. D. S. Pfahl. 1,762,524; June 10.
 Tanks, Filling device for. J. J. Casey. 1,747,424; Feb. 18.
 Tanks, Float-valve-operating mechanism for flush. S. B. Bardsley. 1,757,159; May 6.
 Tanks, Forming. W. J. Wachowitz. 1,755,416; Apr. 22.
 Tanks, Lining. A. D. Merrill. 1,772,190; Aug. 5.
 Tanks, Liquid outlet for. J. P. Walker. 1,745,731; Feb. 4.
 Tanks, Safety device for. A. Davis, jr. 1,749,179; Mar. 4.
 Tanks, Theft-preventing attachment for. T. W. Hughes. 1,787,250; Dec. 30.
 Tanning. F. S. Low. 1,764,517; June 17.
 Tanning agent. A. Schmidt. 1,780,983; Nov. 11.
 Tanning and tawing industries and its manufacture, Product for. M. Kahn, E. Le Breton, and G. Schaeffer. 1,759,700; May 20.
 Tanning composition and producing same, etc. F. S. Low. 1,764,516; June 17.
 Tanning preparation and process. R. W. Frey. 1,757,040; May 6.
 Tanning processes, Accelerating and improving. F. Pospiech. 1,763,368; June 10.
 Tanning solutions, Treating. A. G. Wackenreuter. 1,786,880; Dec. 30.
 Tap. J. M. Le Grand. 1,781,985; Nov. 18.
 Tap. J. H. Smith. 1,748,962; Mar. 4.
 Tap and die stock. O. Nelson. 1,771,811; July 29.
 Tap changer. W. R. Farley. 1,763,143; June 10.
 Tap changer. M. L. MacLean. 1,759,991; May 27.
 Tap-changing system. A. J. Peterson. 1,746,675; Feb. 11.
 Tap for dancing slippers or shoes. W. J. Haney. 1,780,230; Nov. 4.
 Tap-hobbing machine. H. E. Durkee. 1,745,750; Feb. 4.
 Tape: *See*—
 Adhesive tape.
 Tape, Adhesive. R. G. Drew. 1,760,820; May 27.
 Tape and making same. M. C. Dodge. 1,758,033; May 13.
 Tape and making the same. M. C. Dodge. 1,762,917; June 10.
 Tape and projecting images therefrom, Apparatus for feeding. H. H. Lynn. 1,771,500; July 29.
 Tape and projecting images therefrom, Apparatus for feeding. J. Ward. 1,771,499; July 29.
 Tape-applying apparatus. L. K. Butler. 1,787,138; Dec. 30.
 Tape-applying machine. L. K. Butler. 1,782,562; Nov. 25.
 Tape-applying machine. J. P. Byron. 1,782,563; Nov. 25.
 Tape, Bias insulating. H. I. Diamond. 1,781,896; Nov. 18.
 Tape cutter. C. G. Kronmiller. 1,753,894; Apr. 8.
 Tape for electrical purposes, Making. J. B. Sidebotham, jr. 1,748,737; Feb. 25.
 Tape, Garment-fastening. D. Silberman. 1,779,193; Oct. 21.
 Tape having braidlike wrinkles or plaits from solidifiable viscous solution, Device for manufacturing a. T. Izumi. 1,752,636; Apr. 1.
 Tape, Hook-and-eye. L. Locke. 1,763,540; June 10.
 Tape marker for rope, Flat paper-. M. C. Dodge. 1,762,918; June 10.
 Tape measure. G. R. Hipple. 1,786,845; Dec. 30.
 Tape, Method of and machine for applying. F. M. Furber. 1,775,070; Sept. 2.
 Tape puller. R. C. Underwood. 1,776,093; Sept. 16.
 Tape-serving machine. T. H. Krueger. 1,742,603; Jan. 7.
 Tape, Stitchless hook. D. Silberman. 1,765,181; June 17.
 Taper and the art of mounting this. H. E. Brunner. 1,771,769; July 29.
 Taper-thread tap, Collapsing. A. F. Breitenstein. 1,782,804; Nov. 25.
 Taping machine for box blanks. L. H. Schroeder. 1,750,943; Mar. 18.
 Tapper and protector for toe-dancing shoes. W. J. Haney. Re17,752; July 29.
 Tappet. E. R. Klemm. 1,757,721; May 6.
 Tappet. G. Schneider and H. Russell. 1,747,490; Feb. 18.
 Tappet, Self-adjusting. R. H. Hamilton. 1,786,237; Dec. 23.
 Tapping attachment. G. W. Emrick. 1,758,656; May 13.
 Tapping attachment. H. G. Procnier. 1,781,192; Nov. 11.
 Tapping head for threading machines. P. J. Shrum. 1,772,018; Aug. 5.
 Tapping machine. D. C. Lopez. 1,778,265; Oct. 14.
 Tapping machine, Hydraulic automatic multiple. R. M. Galloway. 1,747,111; Feb. 11.
 Tapping machines, Spindle feed for. B. S. T. Bishop and H. A. Jacobson. 1,747,418; Feb. 18.
 Tapping or like machine. W. R. Fox and H. D. Corwin. 1,754,621; Apr. 15.
 Tar distillation. A. A. MacCubbin and J. Zaverntnik, jr. 1,759,816; May 20.
 Tar-separating apparatus. H. Hennebutte and E. Goutal. 1,760,058; May 27.
 Tar separator. G. W. Watts. 1,781,618; Nov. 11.
 Tars, Discontinuous distillation of. L. Kahl. 1,742,258; Jan. 7.
 Target. R. J. Blackman. 1,777,249; Sept. 30.
 Target. J. J. James. 1,778,323; Oct. 14.
 Target. B. O. Mattson. 1,754,030; Apr. 8.
 Target for amusement devices. W. A. Tratsch. 1,750,945; Mar. 18.
 Target, Golfer's practice. G. Lester. 1,784,363; Dec. 9.
 Target towing and releasing device. W. A. Lamkey. 1,752,010; Mar. 25.
 Target trap. W. I. Spangler. 1,771,865; July 29.

- Tassel. C. P. Schlegel. Des. 80,397; Jan. 21.
 Tassel, Shade. C. P. Schlegel. Des. 80,399; Jan. 21.
 Tassel-forming machine. W. T. McShea, A. C. Parlini, and E. Richter. 1,771,305; July 22.
 Tassel-making art. S. J. Rosenthal. 1,780,602; Nov. 4.
 Taxicab indicator. O. C. Roosen. 1,763,821; June 17.
 Taximeter. J. A. Costuma, H. E. Bauer, and C. L. Lovercheck. 1,780,780; Nov. 4.
 Taximeter. J. Gluck. 1,762,862; June 10.
 Taximeter construction. J. Gluck. 1,744,307; Jan. 21.
 Taximeters, Device for setting to zero for. R. Popp. 1,748,189; Feb. 25.
 Tea-ball box and mounting tea balls therein. W. K. Mitchell. 1,762,558; June 10.
 Tea cartridge. B. Hirschhorn. 1,775,347; Sept. 9.
 Tea cartridge. B. Hirschhorn. 1,780,484; Nov. 4.
 Tea-cartridge package and manufacturing the same. G. N. Witt. 1,746,899; Feb. 11.
 Tea, Flavoring. L. Aronson and A. Feldblet. 1,750,768; Mar. 18.
 Tea or coffee pot. H. L. Brookes. 1,777,909; Oct. 7.
 Teapot. J. L. A. Harrison. 1,779,736; Oct. 28.
 Teapot. C. A. Matson. 1,748,297; Feb. 25.
 Teapot. G. L. Parkinson. 1,758,407; May 13.
 Teapot. J. W. Schachter. 1,785,787; Dec. 23.
 Teapot or similar article. E. Fairchild. Des. 80,412; Jan. 28.
 Teapot or similar article. A. F. Saunders. Des. 81,109; May 6.
 Teapot spouts or like articles of pottery, Press and/or process for the manufacture of. W. Coulter. 1,773,447; Aug. 19.
 Teaching device. M. Peelen. 1,756,208; Apr. 29.
 Tearing strip and friction closure can, Combination. J. M. Young. 1,750,251; Mar. 11.
 Teat cup. J. J. Stampen. 1,786,786; Dec. 30.
 Teeter or merry-go-round, Child's. R. C. Kenney. 1,746,260; Feb. 11.
 Teeter, Rotary. E. H. Taylor. 1,764,230-31; June 17.
 Teeth, Backing for artificial. F. H. Grant. 1,744,043; Jan. 21.
 Teeth, Bicuspid and molar bridge. R. W. Beck. 1,782,251; Nov. 18.
 Teeth for excavating dippers and the like. W. E. Miley. 1,748,359; Feb. 25.
 Teeth, Molding artificial. T. E. Dimelow. 1,745,570; Feb. 4.
 Teeth, Production of artificial. K. Taeschner. 1,751,178; Mar. 18.
 Telautograph. G. S. Tiffany. 1,770,761; July 15.
 Telautography. H. G. Bartholomew and M. L. D. McFarlane. Re17,793; Sept. 2.
 Telautograph, Mechanical. M. Aftergut and J. Prashker. 1,746,331; Feb. 11.
 Telechronometer. G. Babcock. 1,747,210; Feb. 18.
 Teledynamic control apparatus. A. D. G. Delalande. 1,744,620; Jan. 21.
 Teledynamic control system. E. H. Loftin. 1,766,524; June 24.
 Telegraph alarm system, Carrier-. V. P. Thorp and W. T. Rea. 1,749,048; Mar. 4.
 Telegraph and recorder system, Ship's. L. F. Carter and F. S. Hodgman. 1,787,066; Dec. 30.
 Telegraph and telephone conductors, Manufacture of. E. Fischer. 1,742,639; Jan. 7.
 Telegraph apparatus. W. S. Terriber. 1,759,026; May 20.
 Telegraph cable system, Multichannel. C. F. Nelson. 1,755,485; Apr. 22.
 Telegraph circuits, Superimposed. R. V. Morgenstern. 1,758,900; May 13.
 Telegraph currents, Substation rectification of carrier. L. C. Roberts. 1,779,495; Oct. 28.
 Telegraph exchange system. A. F. Connery. 1,773,952; Aug. 26.
 Telegraph exchange system, Printing-. G. S. Vernam. 1,762,252; June 10.
 Telegraph key. R. Steeneck. 1,773,325; Aug. 19.
 Telegraph machine, Bridge duplex. S. D. Wilburn. 1,744,063; Jan. 21.
 Telegraph machine, Coupon-printing. F. J. Haupt and E. J. Sortore. 1,774,971; Sept. 2.
 Telegraph-printer tape-feed mechanism. R. F. Dirkes and E. R. Wheeler. 1,754,985; Apr. 15.
 Telegraph printers, Coupon-feed mechanism for. J. W. Long and E. J. Sortore. 1,770,888; July 15.
 Telegraph, Printing. G. S. Hiltz and W. F. Purcell. 1,752,084; Mar. 25.
 Telegraph receiver. S. Morton and H. L. Krum. 1,745,633; Feb. 4.
 Telegraph receiving system, Wireless-. C. S. Franklin, and B. J. Witt. 1,773,354; Aug. 19.
 Telegraph receiving system, Wireless-. C. S. Franklin, B. J. Witt, G. M. Wright and S. B. Smith. 1,773,355; Aug. 19.
 Telegraph repeater, Regenerative. R. D. Parker and G. S. Vernam. 1,771,445-6; July 29.
 Telegraph repeater, Regenerative. G. S. Vernam. 1,771,453; July 29.
 Telegraph repeating device. E. T. Burton. 1,778,377; Oct. 14.
 Telegraph repeating system. F. S. Kinkead. 1,752,436; Apr. 1.
 Telegraph sending and writing instrument. W. E. Harding. 1,769,834; July 1.
 Telegraph service, System for furnishing intermittent. L. C. Roberts. 1,749,844; Mar. 11.
 Telegraph signals transmitted by radio, Neutralizing disturbances, especially of. A. Jipp. 1,770,485; July 15.
 Telegraph system. A. A. Clokey. 1,779,462; Oct. 28.
 Telegraph system. H. L. Krum and J. O. Carr. 1,764,316; June 17.
 Telegraph system. D. P. Loye. 1,749,825; Mar. 11.
 Telegraph system. T. U. White. 1,765,472; June 24.
 Telegraph system. T. U. White. 1,765,555; June 24.
 Telegraph system, Alternating-current. A. L. Matte. 1,759,950; May 27.
 Telegraph system and apparatus therefor. E. E. Kleinschmidt. 1,758,194; May 13.
 Telegraph system, Carrier-current. W. T. Rea. 1,773,789; Aug. 26.
 Telegraph system, Carrier-current. W. T. Rea. 1,779,492-3; Oct. 28.
 Telegraph system, Carrier-current. V. P. Thorp. 1,773,798; Aug. 26.
 Telegraph system, Duplex. J. H. Bell. 1,762,952; June 10.
 Telegraph system, Duplex. J. W. Milnor and W. D. Cannon. 1,766,919; June 24.
 Telegraph system, Duplex. J. W. Milnor and W. D. Cannon. 1,773,371; Aug. 19.
 Telegraph system for loaded cables, Duplex. J. J. Gilbert. 1,753,336; Apr. 8.
 Telegraph system, Multiplex. H. H. Haglund. 1,749,735; Mar. 4.
 Telegraph system, Printing-. G. S. Hiltz and W. F. Purcell. 1,767,128; June 24.
 Telegraph systems, Interference neutralizer for alternating-current. L. A. Kelley. 1,752,303; Apr. 1.
 Telegraph systems, Interference neutralizer for alternating-current. L. A. Kelley, N. Monk, and V. P. Thorp. 1,752,346; Apr. 1.
 Telegraph systems, Suppression of interference in carrier. R. H. Clapp. 1,752,330; Apr. 1.
 Telegraph transmission, Measuring the efficiency of. J. W. Milnor and F. B. Bramhall. 1,775,687; Sept. 16.
 Telegraph transmitter and regenerator, Combination. W. C. Perry. 1,762,795; June 10.
 Telegraphic receiving apparatus. F. G. Creed. Re17,725; July 8.
 Telegraphic receiving apparatus. F. G. Creed. 1,773,958; Aug. 26.
 Telegraphic recorder. E. A. Faller. 1,764,830; June 17.
 Telegraphic transmitter. C. F. McElroy. 1,759,584; May 20.
 Telegraphic transmitting instrument. W. D. Cooper. 1,785,072; Dec. 16.
 Telegraphing in Morse code and apparatus therefor. R. L. A. Schoemaker. 1,780,507; Nov. 4.
 Telegraphy. H. D. Colman. 1,745,007-8; Jan. 28.
 Telegraphy and telephony, Arrangement for wireless. A. Leib. 1,754,326; Apr. 15.
 Telegraphy and telephony, Arrangement for wireless. W. Moser. 1,757,467; May 6.
 Telegraphy, Facsimile. J. L. Baird. 1,757,352; May 6.
 Telegraphy, Multichannel. F. E. Pernot. 1,770,800; July 15.
 Telegraphy or telephony, Apparatus for radio. C. Mieville. 1,774,720; Sept. 2.
 Telegraphy, Preventing distorted signals and wandering zero in cable. H. Angel. 1,747,853; Feb. 18.
 Telegraphy, Printing. E. E. Kleinschmidt. 1,781,905; Nov. 18.
 Telegraphy, Synchronous. A. A. Clokey. 1,742,899; Jan. 7.
 Telegraphy system, Secret. F. Cartier. 1,767,121; June 24.
 Telegraphy, Tone reception for carrier. R. B. Shanck. 1,779,500; Oct. 28.
 Telephone. R. P. A. Andersson. 1,772,198; Aug. 5.
 Telephone. J. O. Cadieux. Re17,751; July 29.
 Telephone. L. J. Loeffler. 1,749,593; Mar. 4.
 Telephone. H. D. Sterick. 1,777,586; Oct. 7.
 Telephone and telegraph circuit. P. B. Ritter. 1,780,244; Nov. 4.
 Telephone and telegraph circuits. J. W. Cook. 1,749,416; Mar. 4.
 Telephone and telegraph system. L. C. Roberts. 1,780,245; Nov. 4.
 Telephone and telegraph system, Composite. H. Nyquist and S. Brand. 1,754,240; Apr. 15.
 Telephone apparatus, Automatic coin-controlled. C. A. Cambay. 1,757,03; May 6.
 Telephone apparatus for automatic telephone exchanges, Coin-operated. W. Kruse. 1,780,754; Nov. 4.
 Telephone appliance. J. S. Jones. 1,777,924; Oct. 7.
 Telephone appliance. E. McCann. 1,757,463; May 6.
 Telephone arrangement. A. Archangelsky, and R. Goldberg. 1,780,146; Oct. 28.
 Telephone attachment. J. R. Ellis. 1,786,986; Dec. 30.
 Telephone attachment. D. Lord. 1,762,998; June 10.
 Telephone attachment. J. A. Weis. 1,745,236; Jan. 28.
 Telephone attachment, Dial-. A. G. Bradford. 1,762,809; June 10.
 Telephone bracket, Disappearing. A. Gustavson. 1,766,901; June 24.
 Telephone cable circuits, Interquad capacity balancing of. H. Jordan and R. Goldschmidt. 1,751,333; Mar. 18.
 Telephone circuits, Apparatus for testing and repairing. H. Nyquist. 1,769,962; July 8.

- Telephone circuits, Device for eliminating the transmission of extraneous noises in. C. A. Bulkeley. 1,779,461; Oct. 28.
- Telephone circuits, Line balance for loaded. A. C. Bartlett. 1,767,199-200; June 24.
- Telephone conference arrangement. G. Crisson. 1,773,776; Aug. 26.
- Telephone-conconnector take-up. J. E. Bolling. 1,782,191; Nov. 18.
- Telephone conversations, Recording. N. H. Holland. 1,780,919; Nov. 11.
- Telephone device. A. P. Young and J. H. Butcher. 1,758,813; May 13.
- Telephone device, Dial. A. L. Porter. 1,765,445; June 24.
- Telephone device, Sanitary. C. Miller. 1,784,700; Dec. 9.
- Telephone-dial light. A. S. Higbie. 1,747,299; Feb. 18.
- Telephone dial-turning stick. O. Shinn. 1,772,325; Aug. 5.
- Telephone exchange, Automatic. E. H. Clark and W. W. Carpenter. 1,767,960; June 24.
- Telephone-exchange equipment. D. C. Meyer. 1,763,060; June 10.
- Telephone-exchange equipment. P. B. Murphy. 1,763,006; June 10.
- Telephone-exchange system. H. M. Bascom and W. T. Haines. 1,748,166; Feb. 25.
- Telephone-exchange system. W. W. Carpenter. 1,747,224; Feb. 18.
- Telephone-exchange system. E. H. Clark. 1,743,429; Jan. 14.
- Telephone-exchange system. S. H. Everett. 1,757,708; May 6.
- Telephone-exchange system. A. E. Hague. 1,781,385; Nov. 11.
- Telephone-exchange system. A. E. Hague and G. H. Peterson. 1,753,338; Apr. 8.
- Telephone-exchange system. F. S. Irvine. 1,742,916; Jan. 7.
- Telephone-exchange system. A. E. Lundell and E. H. Clark. 1,767,854; June 24.
- Telephone-exchange system. W. H. Matthies. 1,742,920; Jan. 7.
- Telephone-exchange system. G. H. Morency. 1,784,905; Dec. 16.
- Telephone-exchange system. R. I. D. Nicoll, R. C. Davis, and E. Von Nostitz. 1,742,927; Jan. 7.
- Telephone-exchange system. R. L. Stokely. 1,753,321; Apr. 8.
- Telephone-exchange system. R. S. Wilbur. 1,743,415; Jan. 14.
- Telephone-exchange system. E. P. G. Wright, J. H. E. Baker, and A. H. Cameron. 1,757,446; May 6.
- Telephone-exchange system, Automatic. B. Brander. 1,748,538; Feb. 25.
- Telephone-exchange system, Automatic. E. H. Clark and W. W. Carpenter. 1,767,959; June 24.
- Telephone-exchange system, Automatic. E. H. Clark and W. W. Carpenter. 1,767,961-2; June 24.
- Telephone-exchange system, Automatic. F. Trachsel. 1,782,491; Nov. 25.
- Telephone exchange system, Automatic. K. F. Wincrantz and K. G. Johnsson. 1,772,235; Aug. 5.
- Telephone, Hand. L. Bernhard. Des. 81,473; July 1.
- Telephone, Hand. L. Bernhard. Des. 81,475; July 1.
- Telephone, Hand. R. Clarke. Des. 81,477; July 1.
- Telephone, Hand. G. B. Jensen. Des. 81,539; July 8.
- Telephone, Hand. L. J. Loeffler. Des. 82,615; Nov. 25.
- Telephone, Hand. J. Vassos. Des. 81,511; July 1.
- Telephone, Hand. J. Vassos. Des. 81,513; July 1.
- Telephone, Hand. J. Vassos. Des. 82,068; Sept. 16.
- Telephone hand set. L. C. Pocock. 1,779,490; Oct. 28.
- Telephone hand set. R. F. Stehlik. 1,743,290; Jan. 14.
- Telephone, Head. H. Küchenmeister. 1,747,778; Feb. 18.
- Telephone head set. A. Y. Dodge. 1,780,178; Nov. 4.
- Telephone instrument. G. Babcock. 1,747,923; Feb. 18.
- Telephone instrument. J. Schneider and G. Heckmann. 1,762,641; June 10.
- Telephone-instrument signaling. J. O. Cadieux. 1,771,324; July 22.
- Telephone instrument switching. J. O. Cadieux. 1,782,806; Nov. 25.
- Telephone lock, Dial. F. B. MacCarthy. 1,776,837; Sept. 30.
- Telephone magnet system. R. T. Kingsford. 1,771,127; July 22.
- Telephone metering system. W. W. Carpenter. 1,778,309; Oct. 14.
- Telephone metering system. A. E. Hague. 1,778,319; Oct. 14.
- Telephone mouthpiece. G. Dorsey. 1,778,627; Oct. 14.
- Telephone mouthpieces, Sanitary attachment for. P. Roca. 1,757,781; May 6.
- Telephone or signaling systems with tube senders, Circuit arrangement for. W. Schaffer. 1,748,561; Feb. 25.
- Telephone-pad attachment. H. E. Kaplan and B. L. Bouer. 1,767,003; June 24.
- Telephone radio transmission. G. K. Gann, L. O. Painter, H. L. Johnson, and P. L. Frykman. 1,746,646; Feb. 11.
- Telephone receiver. R. D. Fay. 1,763,846; June 17.
- Telephone receiver. K. P. Seacord. 1,746,800; Feb. 11.
- Telephone receiver, Loud-speaking. A. A. Thomas. 1,753,812; Apr. 8.
- Telephone-receiver mounting. K. Kodama. 1,749,289; Mar. 4.
- Telephone-receiver signal, Automatic. A. L. Szwajkart. 1,752,211; Mar. 25.
- Telephone response device. J. R. McKeldin and F. W. Maxstadt. 1,778,980; Oct. 21.
- Telephone-ringing system. P. Norton. 1,778,768; Oct. 21.
- Telephone set. C. B. Fowler. 1,752,429; Apr. 1.
- Telephone set, Portable. W. J. Stanton and H. A. Gosling. 1,766,960; June 24.
- Telephone signaling system. E. W. Niles and W. H. Edwards. 1,754,239; Apr. 15.
- Telephone stand. D. W. Oviatt. 1,766,143; June 24.
- Telephone-station equipment. N. H. Saunders and T. C. Riebe. 1,783,310; Dec. 2.
- Telephone subscribers' loops for transmission and reception of broadcasting, Apparatus for using. G. O. Squier. 1,742,422; Jan. 7.
- Telephone substation equipment. J. A. Dickman. 1,781,916; Nov. 18.
- Telephone switching system. N. H. Saunders. 1,759,869; May 27.
- Telephone system. O. Anders. 1,753,279; Apr. 8.
- Telephone system. F. Appelius. 1,777,709; Oct. 7.
- Telephone system. J. I. Bellamy. 1,760,625-6; May 27.
- Telephone system. L. J. Bowne and C. D. Koechling. 1,747,219; Feb. 18.
- Telephone system. E. D. Butz. 1,778,378; Oct. 14.
- Telephone system. R. E. Collis. 1,743,708; Jan. 14.
- Telephone system. R. E. Collis. 1,762,763; June 10.
- Telephone system. T. F. Crocker. 1,770,392; July 15.
- Telephone system. T. F. Crocker. 1,771,842; July 29.
- Telephone system. T. F. Crocker. 1,776,653; Sept. 23.
- Telephone system. T. F. Crocker. 1,780,617; Nov. 4.
- Telephone system. T. V. Curley. 1,753,334; Apr. 8.
- Telephone system. J. W. Dehn. 1,752,550; Apr. 1.
- Telephone system. H. M. Friendly. 1,757,564; May 6.
- Telephone system. H. M. Friendly. 1,776,021-2; Sept. 16.
- Telephone system. J. R. Gould. 1,762,778; June 10.
- Telephone system. R. F. Gould. 1,775,522; Sept. 9.
- Telephone system. L. M. Grandin. 1,782,847; Nov. 25.
- Telephone system. G. Grimsen. 1,745,791; Feb. 4.
- Telephone system. E. E. Hinrichsen. Re17,666; May 13.
- Telephone system. E. E. Hinrichsen. 1,747,241; Feb. 18.
- Telephone system. E. E. Hinrichsen. 1,762,986; June 10.
- Telephone system. H. B. Johnson. 1,767,929; June 24.
- Telephone system. G. Kiner. 1,759,855; May 27.
- Telephone system. G. V. King. 1,763,157; June 10.
- Telephone system. C. D. Koechling and G. V. King. 1,763,161; June 10.
- Telephone system. F. A. Korn. 1,752,438; Apr. 1.
- Telephone system. J. A. Krecek. 1,763,893; June 17.
- Telephone system. C. E. Lomax. 1,744,396; Jan. 21.
- Telephone system. C. E. Lomax. 1,750,934; Mar. 18.
- Telephone system. C. E. Lomax. 1,763,602; June 10.
- Telephone system. R. C. Mathes. 1,752,498; Apr. 1.
- Telephone system. R. C. Mathes. 1,768,264; June 24.
- Telephone system. W. H. Matthies. 1,748,239; Feb. 25.
- Telephone system. F. Merk. 1,784,698; Dec. 9.
- Telephone system. J. E. Ostline. 1,745,037; Jan. 28.
- Telephone system. J. E. Ostline. 1,763,901; June 17.
- Telephone system. J. E. Ostline. 1,777,049; Sept. 30.
- Telephone system. J. E. Ostline, T. R. Rayner, and T. P. Preist. 1,774,335; Aug. 26.
- Telephone system. R. C. Paine. 1,742,930; Jan. 7.
- Telephone system. O. A. Pearce. 1,766,936; June 24.
- Telephone system. G. H. Peterson and W. A. Rhodes. 1,785,818; Dec. 23.
- Telephone system. H. E. Phelps and J. Davidson, jr. 1,744,918; Jan. 28.
- Telephone system. A. J. Ray. 1,744,013; Jan. 14.
- Telephone system. A. J. Ray. 1,745,038; Jan. 28.
- Telephone system. W. A. Rhodes. 1,757,217; May 6.
- Telephone system. W. M. Rosekrans. 1,756,102; Apr. 29.
- Telephone system. L. L. Ruggles. 1,752,543; Apr. 1.
- Telephone system. L. L. Ruggles. 1,776,570; Sept. 23.
- Telephone system. N. H. Saunders. 1,772,690; Aug. 12.
- Telephone system. R. Schenk. 1,767,943; June 24.
- Telephone system. W. Schulz. 1,771,657; July 29.
- Telephone system. W. Schulz, M. Frischke, and K. Schiffmann. 1,783,312; Dec. 2.
- Telephone system. L. M. Simpson. 1,745,039-40; Jan. 28.
- Telephone system. T. S. Skillman. 1,763,013; June 10.
- Telephone system. R. F. Stehlik. 1,767,861-2; June 24.
- Telephone system. R. F. Stehlik. 1,786,410; Dec. 23.
- Telephone system. W. B. Strickler. 1,747,849; Feb. 18.
- Telephone system. F. Tench. 1,743,407; Jan. 14.
- Telephone system. V. S. Tharp. 1,752,470; Apr. 1.
- Telephone system. V. S. Tharp. 1,757,101; May 6.
- Telephone system. V. S. Tharp. 1,761,160; June 3.
- Telephone system. R. Trechinski. 1,779,758; Oct. 28.
- Telephone system. H. von Beckerath. 1,746,327; Feb. 11.
- Telephone system. B. A. Wallace. 1,744,845; Jan. 28.
- Telephone system. B. A. Wallace. 1,772,587; Aug. 12.
- Telephone system. A. Waschnack. Re17,703; June 17.
- Telephone system. J. Wicks. 1,742,334; Jan. 7.
- Telephone system. J. Wicks. 1,753,761; Apr. 8.
- Telephone system. J. Wicks. 1,777,062; Sept. 30.
- Telephone system. J. Wicks. 1,778,204; Oct. 14.
- Telephone system. E. P. G. Wright. 1,762,751; June 10.
- Telephone system, Automatic. H. M. Friendly. Des. 17,638; Apr. 8.
- Telephone system, Automatic. H. M. Friendly. 1,744,696; Jan. 21.
- Telephone system, Automatic. H. M. Friendly. 1,759,190; May 20.

- Telephone system, Automatic. H. M. Friendly. 1,760,823; May 27.
- Telephone system, Automatic. H. M. Friendly. 1,772,713; Aug. 12.
- Telephone system, Automatic. J. E. Gardner. 1,761,115; June 3.
- Telephone system, Automatic. C. Gillings. 1,769,056; July 1.
- Telephone system, Automatic. R. F. Gould. 1,743,130; Jan. 14.
- Telephone system, Automatic. R. F. Gould. 1,763,887; June 17.
- Telephone system, Automatic. M. Langer. 1,745,999; Feb. 4.
- Telephone system, Automatic. C. E. Lomax. 1,747,478; Feb. 18.
- Telephone system, Automatic. F. Lubberger and M. Langer. 1,750,848; Mar. 18.
- Telephone system, Automatic. F. Merk. 1,759,267; May 20.
- Telephone system, Automatic. R. G. Richardson. 1,760,851; May 27.
- Telephone system, Automatic. N. H. Saunders. 1,778,230; Oct. 14.
- Telephone system, Automatic. R. F. Stehlik. 1,772,561; Aug. 12.
- Telephone system, Automatic. M. Tchoubritch. 1,781,609; Nov. 11.
- Telephone system, Automatic. V. S. Tharp. 1,747,402; Feb. 18.
- Telephone system, Automatic. J. Wicks. 1,751,260; Mar. 18.
- Telephone system, Automatic. J. Wicks. 1,753,491; Apr. 8.
- Telephone system, Automatic. J. Wicks. 1,772,472; Aug. 12.
- Telephone system, Automatic. J. Wicks. 1,774,343; Aug. 26.
- Telephone system, Automatic. B. D. Willis. 1,755,378; Apr. 22.
- Telephone system, Automatic and semiautomatic. R. Trechinski. 1,751,431; Mar. 18.
- Telephone system, Automatic toll switching. W. W. Carpenter and R. E. Hersey. 1,780,906; Nov. 11.
- Telephone system, Duplex high-frequency. R. D. Duncan, jr. 1,757,114; May 6.
- Telephone system, Manual. J. H. Levis, jr. 1,750,806; Mar. 18.
- Telephone system, Measured-service. A. Timme. 1,744,593; Jan. 21.
- Telephone system, Multioffice. W. Münchenhagen. 1,752,500; Apr. 1.
- Telephone system, Multioffice. M. L. Nelson. Re17,632; Apr. 1.
- Telephone system, Multioffice. R. F. Stehlik. 1,775,834; Sept. 16.
- Telephone system, Party-line. O. C. Levy. 1,783,295; Dec. 2.
- Telephone system, Party-line. N. H. Saunders. 1,765,619; June 24.
- Telephone system, Remote-control. W. T. Powell. 1,766,402; June 24.
- Telephone system, Semiautomatic. F. P. A. Gohorel. 1,760,640; May 27.
- Telephone systems, Signalling means for. G. Crisson. 1,755,243; Apr. 22.
- Telephone, telegraph and other service lines against induced currents from adjacent power lines, Protecting. C. H. Weaver. 1,772,649; Aug. 12.
- Telephone, Toy. H. Bregman. 1,777,427; Oct. 7.
- Telephone transmission, Privacy system for. L. Espenschied. 1,757,181; May 6.
- Telephone transmitter. W. H. Clayton. 1,748,441; Feb. 25.
- Telephone transmitter. L. C. Pocock. 1,778,400; Oct. 14.
- Telephone transmitters, Detachable base for. M. Luce, jr. 1,760,153; May 27.
- Telephone trunk circuit. R. I. D. Nicoll. 1,742,928; Jan. 7.
- Telephone trunking system. N. H. Saunders. 1,756,214; Apr. 29.
- Telephone trunking system. J. Wicks. 1,748,966; Mar. 4.
- Telephones, Auxiliary base and switch attachment for. C. F. Johanning. 1,783,936; Dec. 2.
- Telephonic apparatus for deep-sea diving. F. Troisi. 1,770,821; July 15.
- Telephonic communication, Method and apparatus of. S. Ruben. 1,752,811; Apr. 1.
- Telephonic receiver. F. J. Reichmann. 1,768,630; July 1.
- Telephonic relay, Insulating. F. C. Doble. 1,774,745; Sept. 2.
- Telephonic sounds and conversations and system therefor, Device for electrically recording. M. J. Johnson. 1,782,619; Nov. 25.
- Telephonometer. J. L. McCoy and G. De Croce. 1,765,598; June 24.
- Telephony over power lines, Carrier-wave. C. A. Boddie. 1,765,480; June 24.
- Telescope bench light. A. S. Thompson. 1,777,185; Sept. 30.
- Telescope constructed as a breech sight, Aiming. I. Pechan. 1,771,345; July 22.
- Telescope for ordnance, machine guns, and the like, Sighting. C. von Hofe, K. Petschenig, and J. Schlier. 1,744,994; Jan. 28.
- Telescope-sight mounting. D. A. Baker. 1,770,451; July 15.
- Thermometer control. C. H. Kuhlman. 1,770,000; July 8.
- Television. C. D. Fahrney. 1,777,556; Oct. 7.
- Television. R. W. Strange. 1,776,298; Sept. 23.
- Television and telephotography. B. Rtcheouloff. 1,745,029; Jan. 28.
- Television and the like, Method and apparatus for. A. M. Nicolson. 1,779,747; Oct. 28.
- Television apparatus. J. J. Arnaud. 1,756,232; Apr. 29.
- Television apparatus. P. L. Clark. 1,776,148; Sept. 16.
- Television apparatus. E. Deutsch. 1,768,893; July 1.
- Television apparatus. C. W. Hough. 1,760,198; May 27.
- Television apparatus. G. T. Schmidling. 1,765,453; June 24.
- Television apparatus. L. Tschörner. 1,779,863; Oct. 28.
- Television apparatus and the like. J. L. Baird. 1,781,800; Nov. 18.
- Television device. F. R. Tanimoto. 1,769,608; July 1.
- Television or like system and apparatus. J. L. Baird. 1,781,210; Nov. 11.
- Television receiving system. P. T. Farnsworth. 1,773,981; Aug. 26.
- Television, Scanning device for. H. W. and J. F. Ballard. 1,773,161; Aug. 19.
- Television, Scanning system for. A. McL. Nicolson. 1,779,749; Oct. 28.
- Television sending and receiving apparatus. C. J. Wagner. 1,765,292; June 17.
- Television system. A. Dauvillier. 1,766,885; June 24.
- Television system. P. T. Farnsworth. 1,773,980; Aug. 26.
- Television system. A. N. Goldsmith and J. Weinberger. 1,770,205; July 8.
- Television system. W. H. Whitten and T. R. Goldsborough. 1,768,874; July 1.
- Television, System for transmission and reception of. G. Wald. 1,754,491; Apr. 15.
- Television system, High-speed. A. McL. Nicolson. 1,779,748; Oct. 28.
- Television, System of. P. Torradadella. 1,764,232; June 17.
- Television transmitting and receiving apparatus. A. L. Barnes. 1,774,348; Aug. 26.
- Telex controller and supervisor. R. J. Wensley. 1,765,471; June 24.
- Telex, Talking. R. J. Wensley. 1,765,554; June 24.
- Tellurian. D. Phillips. 1,758,759; May 13.
- Temperature and pressure control, Combined. T. G. McCann. 1,746,666; Feb. 11.
- Temperature compensator. J. Zubaty. 1,761,951; June 3.
- Temperature control. G. Schwarz. 1,766,260; June 24.
- Temperature control. L. E. Warner. 1,765,387; June 24.
- Temperature-control apparatus. L. A. M. Phelan and C. Hotchkiss. 1,764,344; June 17.
- Temperature-control apparatus. C. Wilhjelm. 1,767,637; June 24.
- Temperature-control device. M. Goudard. 1,787,310; Dec. 30.
- Temperature-control device. A. H. Simmons. 1,743,073; Jan. 7.
- Temperature control for glass, Automatic. J. F. Rule. 1,750,966; Mar. 18.
- Temperature control for oil. W. R. Strickland. 1,761,942; June 3.
- Temperature control in pulverizing mills, Automatic. J. Crites and W. A. Koren. 1,783,358; Dec. 2.
- Temperature-control means for refrigerators. H. G. Butzow. 1,768,886; July 1.
- Temperature-controlling apparatus. E. T. Johnsson. Re17,646; Apr. 22.
- Temperature-controlling apparatus. J. A. Spencer. 1,773,698; Aug. 19.
- Temperature-controlling device, Automatic. A. Penn. 1,786,083; Dec. 23.
- Temperature-controlling means, Motor-. S. H. Page. 1,785,207; Dec. 16.
- Temperature detector. W. Smith. 1,752,117; Mar. 25.
- Temperature-indicating device. E. L. Fonseca. 1,772,279; Aug. 5.
- Temperature-indicating device. P. G. Waterloo. 1,785,662; Dec. 16.
- Temperature-indicating instrument for pressing irons. F. J. Clark. 1,746,929; Feb. 11.
- Temperature indicator. E. S. Halsey. 1,779,066; Oct. 21.
- Temperature indicator. C. W. Wyman. 1,778,655; Oct. 14.
- Temperature indicator for hair-curling devices. A. E. Pausser. 1,752,198; Mar. 25.
- Temperature indicator for transformers and the like. H. Schlaich. 1,787,327; Dec. 30.
- Temperature indicator for waffle irons. A. M. Young and F. W. Cuffe. 1,776,606; Sept. 23.
- Temperature indicator, Mean-. M. Taylor. 1,782,106; Nov. 18.
- Temperature-measuring device. E. D. Phinney. 1,758,532; May 13.
- Temperature of heating surfaces, Method of and apparatus for controlling the. C. J. Haniman. 1,769,949; July 8.
- Temperature of molten glass, Automatically controlling the. J. F. Rule. 1,750,967; Mar. 18.
- Temperature recorder, Continuous iron-. H. W. Dietert. 1,784,420; Dec. 9.

- Temperature-recording apparatus, Multiple automatic. F. D. Potter. 1,779,619; Oct. 28.
- Temperature-regulating apparatus. J. H. Payne. 1,760,520; May 27.
- Temperature-regulating apparatus. F. A. and H. A. Taylor. 1,751,370; Mar. 18.
- Temperature-regulating system. L. L. Cunningham. 1,768,890; July 1.
- Temperature regulation, Dual-control. J. H. Godfrey. 1,750,001; Mar. 11.
- Temperature-regulation system for frequency control or stabilizing apparatus. C. B. Mirick. 1,746,125; Feb. 4.
- Temperature regulator, Constant. H. Essex, O. Gelormini and T. Masterson. 1,776,901; Sept. 30.
- Temperature regulator for stoves. A. G. Sherman. Des. 82,001; Sept. 9.
- Temperature-responsive device. L. J. J. B. Chéneau. 1,781,630; Nov. 11.
- Temperature-responsive element. H. Schlaich. 1,771,193; July 22.
- Temperature-responsive elements into engine-cooling systems, Introducing. H. Schlaich. 1,745,063; Jan. 28.
- Temperature responsive inductance. H. M. Witherow. 1,761,764-5; June 3.
- Temperatures of waffle irons and the like, Device for indicating cooking. J. F. Smart. 1,763,991; June 17.
- Tempering furnace, Rotary. E. Goerig. 1,784,427; Dec. 9.
- Tempering machine. B. H. Urschel. 1,742,739; Jan. 7.
- Template for assembling strips of tire-chain material. C. J. Burkley and E. G. Kimmich. 1,781,651; Nov. 11.
- Template for forming key openings in railway draft rigging. C. J. Nash. 1,758,235; May 13.
- Template or gauge for use in marking and cutting window drapes. T. G. L. Bowman. 1,742,684; Jan. 7.
- Templates, Follower for line. W. Kosfeld. 1,778,977; Oct. 21.
- Tender. W. Kleinow. 1,745,170; Jan. 28.
- Tennis-net-stretching device. G. L. Lane. 1,768,615; July 1.
- Tennis racket or similar article. H. W. Hall. Des. 81,875; Aug. 26.
- Tennis-racket press or similar article. A. Halpin. Des. 81,387; June 17.
- Tennis string. G. S. Mathey. 1,770,794; July 15.
- Tenoning cutter head. J. Dumont. 1,750,394; Mar. 11.
- Tensiometer. W. B. Klemperer. 1,757,933; May 6.
- Tension adjuster, Drive-chain. R. S. Kelso. 1,767,371; June 24.
- Tension-bar mechanism for knitting machines. R. Ullrich. 1,763,280; June 10.
- Tension device. H. D. Clinton. 1,762,049; June 3.
- Tension device. V. J. Gover. 1,750,515; Mar. 11.
- Tension device. H. H. C. Grondahl. 1,744,760; Jan. 28.
- Tension device. L. T. Houghton. 1,762,476; June 10.
- Tension device. G. W. Jacques. 1,767,075; June 24.
- Tension device. E. F. Parks. 1,776,638; Sept. 23.
- Tension device for shuttles. L. C. Baldwin. 1,764,710; June 17.
- Tension device for winding machines. D. Palin. 1,752,195; Mar. 25.
- Tension engine. T. S. Miller. 1,742,482; Jan. 7.
- Tension-holding member for concrete-reinforcement-tensioning devices. H. Sorensen. 1,785,214; Dec. 16.
- Tension-indicating device. J. R. Lucas. 1,768,991; July 1.
- Tension indicator and compensator for warping carriages. W. G. Trautvetter. 1,769,244; July 1.
- Tension indicator, Portable. W. R. Martin. 1,771,339; July 22.
- Tension regulator. L. B. Case. 1,752,147; Mar. 25.
- Tension roll. T. Moore. 1,773,743; Aug. 26.
- Tensioning device. E. Hano. 1,765,149; June 17.
- Tensioning device. J. M. Kerr. 1,767,531; June 24.
- Tensioning device for driving belts. A. Brown. 1,744,746; Jan. 28.
- Tensioning device for driving belts. M. I. Mathewson and A. Brown. 1,744,781; Jan. 28.
- Tensioning device for elastic threads. C. F. Kenyon. 1,781,817; Nov. 18.
- Tensioning material, Method and apparatus for. F. C. Biggert, jr. 1,776,775; Sept. 30.
- Tensioning spring. W. Rödgers, jr. 1,765,179; June 17.
- Tent. F. G. Garrett. 1,773,395; Aug. 19.
- Tent. A. P. MacLean. 1,751,518; Mar. 25.
- Tent. A. F. and W. H. Margot. 1,745,264; Jan. 28.
- Tent. B. J. Nickles. 1,773,847; Aug. 26.
- Tent. A. A. Tennant. 1,775,145; Sept. 9.
- Tent. S. E. Wrigley. 1,786,928; Dec. 30.
- Tent, Combination umbrella. W. H. Wells. 1,774,909; Sept. 2.
- Tent for use with automobiles. P. F. King. 1,774,017; Aug. 26.
- Tent frame. D. Strombeck. 1,772,646; Aug. 12.
- Tent frame, Knockdown. E. W. Seaman. 1,744,146; Jan. 21.
- Tent, Multipole umbrella. C. D. McDonald. 1,774,719; Sept. 2.
- Tent, Sun-bath. H. F. and B. W. Branstetter. 1,745,831; Feb. 4.
- Tenter clip. W. A. Stelling. 1,781,138; Nov. 11.
- Tenter machine. J. H. Hamilton and J. H. Williams. 1,758,697; May 13.
- Tentering machine. T. W. France. 1,754,089; Apr. 8.
- Tentering machine. J. H. Hamilton. 1,754,099; Apr. 8.
- Tentering machine. J. J. Hoey. 1,746,473; Feb. 11.
- Tentering machines. A. O. Hurxthal. 1,749,584; Mar. 4.
- Tentering machines, Automatic stop-motion feeler for. W. A. Hogan. 1,776,224; Sept. 16.
- Terminal. J. Kelleher. 1,764,045; June 17.
- Terminal and making same. A. F. Herman. 1,751,405; Mar. 18.
- Terminal, Battery. A. Baunach. 1,746,514; Feb. 11.
- Terminal, Battery. E. Berg. 1,742,571; Jan. 7.
- Terminal, Battery. A. H. Walde. 1,756,445; Apr. 29.
- Terminal block for current transformers. J. B. Gibbs. 1,786,746; Dec. 30.
- Terminal cap. M. B. Grout. 1,778,896; Oct. 21.
- Terminal clamp, Storage-battery. J. G. Sparkes. 1,767,903; June 24.
- Terminal connector. D. Knoepfle. 1,742,865; Jan. 7.
- Terminal connector. L. R. Sutherland. 1,747,268; Feb. 18.
- Terminal connector, Battery-. W. T. Stone. 1,779,756; Oct. 28.
- Terminal connector for electric conductors. C. T. Nietman. 1,767,808; June 24.
- Terminal, Dispatch-system. J. T. Cowley. 1,769,677; July 1.
- Terminal, Dry-cell. H. W. Jones and C. H. Strohl. 1,773,310; Aug. 19.
- Terminal for aircraft, Floating. H. Sundstedt. 1,776,453; Sept. 23.
- Terminal for electric wires. O. H. Brown. 1,750,793; Mar. 18.
- Terminal for fluid-supply pipes, Outlet. A. S. Doty and L. T. Richey. 1,753,853; Apr. 8.
- Terminal for pneumatic-dispatch systems. J. T. Cowley. 1,769,676; July 1.
- Terminal for rail bonds. W. B. Wardrop. 1,748,532; Feb. 25.
- Terminal hook, Cable-. K. Gleason. 1,780,184; Nov. 4.
- Terminal housing, Cable-. A. O. Austin. 1,748,696; Feb. 25.
- Terminal mounting, Adjustable. A. F. C. Lotz. 1,766,220; June 24.
- Terminal post for electric appliances. M. L. Warner. 1,769,325; July 1.
- Terminal puller. E. C. Stephens. 1,752,267; Mar. 25.
- Terminal, Removable. F. C. Holtz. 1,773,143; Aug. 19.
- Terminal, Strap clamp. E. G. K. Anderson. 1,748,564; Feb. 25.
- Terminal structure. R. E. Marbury. 1,786,765; Dec. 30.
- Terminal, Switch. M. Guett. 1,751,325; Mar. 18.
- Terminal with connecting pieces, Binding. A. P. G. Guillard. 1,774,970; Sept. 2.
- Terminals, Making conductor. A. H. Adams. 1,764,592; June 17.
- Terracing and grading machine. C. H. Brown and P. Frazier. 1,774,469; Aug. 26.
- Terra-cotta article. A. F. Hottinger. 1,786,753; Dec. 30.
- Test gauge. A. England. 1,765,574; June 24.
- Test set. C. A. Anderson. 1,778,207; Oct. 14.
- Test tube or bottle cap and manufacturing the same. H. A. Sayford. 1,747,030; Feb. 11.
- Tester for paper pulp, Slowness. A. B. Green. 1,774,830; Sept. 2.
- Tester, Soil. M. R. Malsbury. 1,775,134; Sept. 9.
- Testing apparatus. H. S. Taylor. 1,784,978; Dec. 16.
- Testing apparatus, Electrical. C. Paulson. 1,743,386; Jan. 14.
- Testing device. H. O. Hem. 1,746,351; Feb. 11.
- Testing device. J. L. Theobald. 1,782,127; Nov. 18.
- Testing device for electrical circuits. L. S. Brach. 1,778,883; Oct. 21.
- Testing device for impulse senders. T. P. Preist. 1,784,612; Dec. 9.
- Testing device, Spark-plug-. W. N. Clouse. 1,749,664; Mar. 4.
- Testing dock and salvage vessel, Combined. L. Y. Spear. 1,764,903; June 17.
- Testing equipment. J. I. Bellamy and R. G. Richardson. 1,761,251; June 3.
- Testing equipment for automatic telephone systems. W. A. Brandt. 1,775,550; Sept. 9.
- Testing ignition of automobiles, Mechanism for. B. J. Haskins. 1,748,417; Feb. 25.
- Testing instrument. P. E. Chapman. 1,759,479; May 20.
- Testing instrument for electrical condensers. C. C. Jones. 1,786,910; Dec. 30.
- Testing machine. A. J. Amsler. 1,780,696; Nov. 4.
- Testing machine. J. A. Cowley. 1,758,688; May 13.
- Testing machine. E. Eger. 1,762,164; June 10.
- Testing machine. H. O. Hem. 1,746,352; Feb. 11.
- Testing machine. R. B. Lewis. 1,763,400; June 10.
- Testing machine. S. N. Senna. 1,749,265; Mar. 4.
- Testing machine. F. A. Valentine and D. C. Scott. 1,749,991; Mar. 11.
- Testing machine, Brake-. H. W. Langbein. 1,746,780; Feb. 11.
- Testing machine, Brake-pressure-. J. C. Zeder. 1,777,423; Oct. 7.
- Testing materials, Apparatus for. J. Gogan. 1,746,891; Feb. 11.

- Testing materials, Method and apparatus for use in. R. Esnault-Pelterie. 1,781,002; Nov. 11.
- Testing outfit. C. J. Villella. 1,786,971; Dec. 30.
- Testing system. W. Bresters. 1,763,878; June 17.
- Testing system. B. G. Dunham. 1,780,910; Nov. 11.
- Testing system. H. W. O'Neill. 1,780,937; Nov. 11.
- Testing system. S. E. Stromberg. 1,760,920; June 3.
- Testing switch, Meter-. T. J. Newman. 1,761,638; June 3.
- Testing the dryness of fibrous material. C. Q. Ives. 1,744,120; Jan. 21.
- Test-tube rack. C. Fowler. 1,763,461; June 10.
- Tetra-alkylated thiuramdisulphides, Manufacturing. H. S. Adams and L. Meuser. 1,782,111; Nov. 18.
- Tetrahydronaphthostyrls and preparing the same. K. Schirmacher, H. Schlichenmaier, and W. Kross. 1,742,332; Jan. 7.
- Tetrathio diphospho organic compound. B. L. Johnson. 1,763,852; June 17.
- Textile. F. Rindge. 1,758,622; May 13.
- Textile article, Woven. A. S. Herrmann. 1,775,346; Sept. 9.
- Textile crayon process. L. H. Cook. 1,764,006; June 17.
- Textile elements or yarn derived from rayon filaments or fibers, Treatment of. W. M. Sternberg. 1,770,047; July 8.
- Textile fabric. F. W. Bader. Des. 81,046; Apr. 29.
- Textile fabric. F. W. Bader. Des. 81,428; June 24.
- Textile fabric. F. W. Bader. Des. 81,772; Aug. 12.
- Textile fabric. F. W. Bader. Des. 82,537; Nov. 18.
- Textile fabric. F. W. Bader. Des. 82,597; Nov. 25.
- Textile fabric. L. Barker. Des. 81,825; Aug. 19.
- Textile fabric. L. Barker. Des. 81,863; Aug. 26.
- Textile fabric. L. Barker. Des. 81,910; Sept. 2.
- Textile fabric. D. V. Belknap. Des. 81,431; June 24.
- Textile fabric. D. V. Belknap. Des. 81,472; July 1.
- Textile fabric. D. V. Belknap. Des. 81,518-19; July 8.
- Textile fabric. D. V. Belknap. Des. 81,827; Aug. 19.
- Textile fabric. C. B. Bennett. Des. 82,015; Sept. 16.
- Textile fabric. L. Biva. Des. 82,129; Sept. 30.
- Textile fabric. L. Biva. Des. 82,304-8; Oct. 21.
- Textile fabric. L. Biva. Des. 82,476; Nov. 11.
- Textile fabric. R. Dalby. Des. 82,140; Sept. 30.
- Textile fabric. H. D'Armon. Des. 81,963-7; Sept. 9.
- Textile fabric. I. De Lancy. Des. 81,182; May 20.
- Textile fabric. I. De Lancy. Des. 81,325; June 10.
- Textile fabric. A. de Rose. Des. 80,937; Apr. 15.
- Textile fabric. G. Ehrenzweig. Des. 80,410-11; Jan. 28.
- Textile fabric. A. Flory. Des. 82,143; Sept. 30.
- Textile fabric. J. L. Freund. Des. 80,413; Jan. 28.
- Textile fabric. V. Hamill. Des. 80,527; Feb. 18.
- Textile fabric. V. Hamill. Des. 80,529; Feb. 18.
- Textile fabric. V. Hamill. Des. 81,789-90; Aug. 12.
- Textile fabric. V. Hamill. Des. 81,928-9; Sept. 2.
- Textile fabric. V. Hamill. Des. 82,744; Dec. 9.
- Textile fabric. E. B. Isaacs. Des. 82,157; Sept. 30.
- Textile fabric. R. Kay. Des. 81,903; Aug. 26.
- Textile fabric. B. W. Lewis. Des. 82,166; Sept. 30.
- Textile fabric. S. W. Long. Des. 81,904; Aug. 26.
- Textile fabric. H. Maurus. Des. 81,755; Aug. 5.
- Textile fabric. H. Maurus. Des. 81,838; Aug. 19.
- Textile fabric. H. Maurus. Des. 81,861; Aug. 19.
- Textile fabric. H. Maurus. Des. 81,885; Aug. 26.
- Textile fabric. H. Maurus. Des. 82,408; Oct. 28.
- Textile fabric. H. Maurus. Des. 82,511; Nov. 11.
- Textile fabric. W. H. Mayer, jr. Des. 82,101; Sept. 23.
- Textile fabric. B. S. Nash. Des. 81,015; Apr. 22.
- Textile fabric. B. S. Nash. Des. 82,952; Dec. 30.
- Textile fabric. E. Parsons. Des. 82,691; Dec. 2.
- Textile fabric. C. F. Pearce, jr. No. 82,757; Dec. 9.
- Textile fabric. G. H. Perkins. Des. 81,844; Aug. 19.
- Textile fabric. G. H. Perkins. Des. 82,278; Oct. 14.
- Textile fabric. N. E. Randall. Des. 82,176; Sept. 30.
- Textile fabric. J. T. Stewart. Des. 81,905; Aug. 26.
- Textile fabric. J. R. Thomas. Des. 81,906; Aug. 26.
- Textile fabric. H. L. Van Benthuyzen. Des. 82,124; Sept. 23.
- Textile fabric. D. Winter. Des. 82,203; Sept. 30.
- Textile fabric, Elastic narrow. O. E. Huber. Des. 81,390-1; June 17.
- Textile fabric or similar article. C. P. Fenlon. Des. 81,688; July 29.
- Textile fabric or similar article. C. P. Fenlon. Des. 82,022; Sept. 16.
- Textile fabric or similar article. B. S. Nash. Des. 80,694; Mar. 11.
- Textile fabric or similar article. E. M. Parsons. Des. 80,696; Mar. 11.
- Textile fabric or similar article. E. M. Parsons. Des. 82,052; Sept. 16.
- Textile fabric or similar article. W. W. Weber. Des. 80,342-3; Jan. 14.
- Textile fabric or similar article of manufacture. H. Haug. Des. 81,235-6; May 27.
- Textile fabric or similar article of manufacture. C. Hoffman. Des. 81,238; May 27.
- Textile fabric or similar article of manufacture. E. C. Kenton. Des. 81,540; July 8.
- Textile fabric or similar article of manufacture. J. H. Mack. Des. 81,252; May 27.
- Textile fabric or similar article of manufacture. W. Ramsay. Des. 81,255; May 27.
- Textile fabric or similar article of manufacture. H. M. Schweer. Des. 82,912; Dec. 23.
- Textile fabric, Printed. W. H. Adams. Des. 81,909; Sept. 2.
- Textile fabrics, Apparatus for the liquid treatment of. T. Parkinson. 1,772,108; Aug. 5.
- Textile fabrics, Making. P. H. Walsh. 1,743,068; Jan. 7.
- Textile fabrics, Process of and apparatus for dyeing. P. Mijer. 1,758,234; May 13.
- Textile fabrics, Treating. A. Milhomme. 1,781,296; Nov. 11.
- Textile fibers, Apparatus for twisting. V. Baudonnel and J. Berthier. 1,776,059; Sept. 16.
- Textile fibers by means of ozone, Bleaching. E. Crespi and M. P. Otto. 1,760,042; May 27.
- Textile fibers with a gaseous current such as ozonized air, Apparatus for bleaching. E. Crespi and M. P. Otto. 1,750,093; Mar. 11.
- Textile goods, Method of and apparatus for finishing. J. Höfner. 1,758,665; May 13.
- Textile machine. E. O. Roe. 1,771,656; July 29.
- Textile machines, Clearer and slub catcher for. W. M. Hastings. 1,784,141; Dec. 9.
- Textile materials, Degreasing. W. Pfaffendorf. 1,780,885; Nov. 4.
- Textile panel for a mattress covering. H. Haug. Des. 82,884-6; Dec. 23.
- Textile panel for a mattress covering. H. Haug. Des. 82,936; Dec. 30.
- Textile product, Making a. W. Nicolet. 1,764,575; June 17.
- Textile products with reduced lustre, Preparing artificial. T. Koch. 1,784,014; Dec. 9.
- Textile products with reduced luster from viscose, Preparing artificial. T. Koch. 1,780,018; Nov. 11.
- Textile roving, Mechanism for drawing. F. Casablanca. 1,760,745; May 27.
- Textile rovings, Imparting a false twist to G. K. Quaas. 1,772,109; Aug. 5.
- Textiles, Apparatus for tensioning and smoothing. C. H. Crowell. 1,747,755; Feb. 18.
- Textiles, Method and machine for testing. J. P. Laetsch and P. Litty. 1,776,514; Sept. 23.
- Textiles of cellulose fiber, Treating. A. W. Buhlmann. 1,786,421; Dec. 30.
- Textures, Device for drying. O. Pieron. 1,759,804; May 20.
- Texturing and coloring apparatus, Clay. R. B. Keplinger and P. A. Kanengeiser. 1,761,631; June 3.
- Thawing apparatus. C. K. Steins. 1,747,912; Feb. 18.
- Theater chair. C. C. Adelsperger and H. D. Fitzgerald. 1,769,731; July 1.
- Theater chair. F. Medler and C. H. Kurasch. 1,775,862; Sept. 16.
- Theater, Illuminated moving-picture. D. Farnum. 1,754,674; Apr. 15.
- Theater or like chair. C. C. Andrews. 1,743,802; Jan. 14.
- Theater seat. E. M. Squires. 1,774,950; Sept. 2.
- Theater switch panel. B. F. Fuller. 1,760,943; June 3.
- Theatrical effects, Producing. W. Herrschaft. 1,785,347; Dec. 16.
- Theatrical illusions, Apparatus for producing. F. Greenwood. 1,760,842; May 27.
- Theatrical impressions, Method of and apparatus for presenting. J. H. Leavell. 1,749,187; Mar. 4.
- Theft alarm. H. Garvey, jr. 1,755,644; Apr. 22.
- Theft appliance. A. M. Levey. 1,778,502; Oct. 14.
- Theft-preventing appliance. W. E. Aikman. 1,775,924; Sept. 16.
- Theft-preventing device. J. Harrington. 1,751,629; Mar. 25.
- Theft-preventing device. H. Schwarze. 1,753,580; Apr. 8.
- Theft-prevention apparatus. A. J. Pichl. 1,765,736; June 24.
- Theftproof device, Gasoline-. M. MacLiver. 1,766,916; June 24.
- Theft protection for vehicles. W. M. Thomas. 1,747,194; Feb. 18.
- Theodolite and other angle-measuring instruments. T. Y. Baker and R. W. Cheshire. 1,754,872; Apr. 15.
- Theodolite, Repeating. J. Mahler. 1,777,853; Oct. 7.
- Therapeutic apparatus. F. A. Anderson. 1,755,418; Apr. 22.
- Therapeutic articulating apparatus. P. Henze and G. S. Gillberg. 1,765,669; June 24.
- Therapeutic device. W. Ramsay. 1,747,986; Feb. 18.
- Therapeutic device, Orificial. J. W. D. Chesney. 1,771,076; July 22.
- Therapeutic-lamp unit. R. H. Maxson. 1,776,863; Sept. 30.
- Therapeutic pad. J. M. Nunnally. 1,754,763; Apr. 15.
- Therapeutic substance and preparing the same. W. B. Coffey and J. D. Humber. 1,771,976; July 29.
- Therapeutic tablet. E. B. Vliet and E. H. Volwiler. 1,754,809; Apr. 15.
- Therapeutical appliance, Electrically-heated. R. C. Walker. 1,786,373; Dec. 23.
- Therapeutical instrument. M. Fujii. 1,752,338; Apr. 1.
- Therapy apparatus, Colonic. E. Adamson. 1,746,510; Feb. 11.
- Thermal building. W. C. Miss. 1,747,313; Feb. 18.
- Thermal control system. G. C. Pearce. 1,783,520; Dec. 2.
- Thermal cut-out and guard. G. R. Brown. 1,782,459; Nov. 25.
- Thermal-efficiency furnace, High-. W. T. Palmer. 1,786,082; Dec. 23.
- Thermal plant. J. D. Houston. 1,781,062; Nov. 11.

- Thermal-responsive controlling device. O. C. Traver. 1,743,053; Jan. 7.
- Thermally-actuated motive device. C. and E. Scott-Snell. 1,773,551; Aug. 19.
- Thermionic device. S. J. Lane. 1,768,698; July 1.
- Thermionic device. D. C. Wilkerson. 1,752,132; Mar. 25.
- Thermionic generator. E. Green. 1,748,713; Feb. 25.
- Thermionic receiving device for wireless telegraphy and telephony. H. J. Round. 1,759,593; May 20.
- Thermionic tube. V. Bush. 1,756,481; Apr. 29.
- Thermionic tube. E. Lübcke. 1,771,717; July 29.
- Thermionic tube. O. T. McIlvaine. 1,750,238; Mar. 11.
- Thermionic tube, Multiple-grid. S. Loewe. 1,779,550; Oct. 28.
- Thermit mixture. J. H. Deppeler. 1,750,162; Mar. 11.
- Thermocouple. K. Fujii. 1,771,887; July 29.
- Thermoelectric couples, Compensating apparatus for. J. J. Carney. 1,745,149; Jan. 28.
- Thermoelectrically-operated device for the protection of rotary dynamo-electric machine. H. B. Poynder. 1,752,609; Apr. 1.
- Thermoelectronic device. J. F. Hendry. 1,758,833; May 13.
- Thermoinsulating structure and manufacturing the same. H. B. Lindsay. 1,753,896; Apr. 8.
- Thermometer. H. D. Bolton. Des. 82,076; Sept. 23.
- Thermometer. H. B. Brown. Des. 81,262; May 27.
- Thermometer. H. B. Brown. Des. 81,622-3; July 22.
- Thermometer. B. Noyes, jr. 1,750,422; Mar. 11.
- Thermometer. J. W. Place. 1,748,144; Feb. 25.
- Thermometer bulb. M. E. Cheney. 1,746,853; Feb. 11.
- Thermometer-bulb-forming method. M. E. Cheney. 1,773,950; Aug. 26.
- Thermometer, Clinical. J. A. Boutin. 1,782,599; Nov. 25.
- Thermometer, Electrical. J. W. Allen. 1,784,922; Dec. 16.
- Thermometer mounting. O. H. Brown. 1,747,222; Feb. 18.
- Thermometer, Pocket. J. L. Schwartz. 1,764,987; June 17.
- Thermometer, Recording. W. Barstow. 1,752,362; Apr. 1.
- Thermometer tube and making the same. M. Moeller. 1,753,801; Apr. 8.
- Thermometers, Sterile indicating means in sterilizing. E. O. Lindberg. 1,756,064; Apr. 29.
- Thermoplastic material and producing the same. P. C. Christensen. 1,746,070; Feb. 4.
- Thermoresponsive device. H. D. James and A. J. Mottlau. 1,743,142; Jan. 14.
- Thermostat. J. L. Breese, jr. 1,757,951; May 13.
- Thermostat. W. M. Chace. 1,769,622; July 1.
- Thermostat. A. Escher. 1,758,787; May 13.
- Thermostat. J. E. Eshbaugh. 1,755,984; Apr. 22.
- Thermostat. J. E. Eshbaugh. 1,761,910; June 3.
- Thermostat. G. W. Gail. 1,751,319; Mar. 18.
- Thermostat. A. Graue. 1,775,900; Sept. 16.
- Thermostat. J. H. Grayson. 1,744,465; Jan. 21.
- Thermostat. J. J. Kenney. 1,786,852; Dec. 30.
- Thermostat. J. J. Lawler. 1,783,574; Dec. 2.
- Thermostat. E. J. Levy. 1,763,802; June 17.
- Thermostat. E. J. Levy. 1,781,287; Nov. 11.
- Thermostat. P. S. Martin. 1,760,878; June 3.
- Thermostat. C. H. Morrow. 1,762,188; June 10.
- Thermostat. H. W. Partlow. 1,743,385; Jan. 14.
- Thermostat. B. J. Pepper. 1,784,465; Dec. 9.
- Thermostat. G. A. Robertshaw. 1,771,316; July 22.
- Thermostat. A. A. Thomas. 1,766,965; June 24.
- Thermostat. I. T. Wedin. 1,761,946; June 3.
- Thermostat. G. Wünsch. 1,776,240; Sept. 16.
- Thermostat and similar control mechanism. M. Mason. 1,782,045; Nov. 18.
- Thermostat, Arc-controlling. M. L. Patterson. 1,778,770; Oct. 21.
- Thermostat cartridge. C. B. Sawyer. 1,764,087; June 17.
- Thermostat, Compensating. G. H. Whittingham. 1,737,708; Aug. 19.
- Thermostat control. P. B. Parks. 1,760,081-2; May 27.
- Thermostat-controlled fan. W. J. Hughes. 1,787,041; Dec. 30.
- Thermostat controller. J. R. Replogle. 1,753,945; Apr. 8.
- Thermostat, Electric. S. D. Livingston. 1,745,856; Feb. 4.
- Thermostat electric switch for heating pads. W. K. Taverender. 1,779,149; Oct. 21.
- Thermostat, Electrical. J. F. Malsbary. 1,752,532; Apr. 1.
- Thermostat heater for destroying moths. H. Maffoni. 1,766,525; June 24.
- Thermostat indicator. H. E. Rider. 1,771,098; July 22.
- Thermostat, Oven. E. E. Ledbetter. 1,762,179; June 10.
- Thermostat, Room. C. I. Hall. Des. 81,788; Aug. 12.
- Thermostat switch. V. O. Beam. 1,777,272; Sept. 30.
- Thermostat switch. D. Gray. 1,746,771; Feb. 11.
- Thermostat, Wet-bulb. W. L. Fleisher. 1,757,081; May 6.
- Thermostatic apparatus. H. G. Leupold. 1,780,758; Nov. 4.
- Thermostatic circulation control. J. D. Durant. 1,774,506; Sept. 2.
- Thermostatic control apparatus. A. W. Walker. 1,783,320; Dec. 2.
- Thermostatic control device. Le R. W. Willis. 1,770,365; July 8.
- Thermostatic control for automatic refrigerating systems. H. E. Thompson. 1,747,958; Feb. 18.
- Thermostatic control for electrically heated apparatus. A. E. Whittier. 1,757,986; May 13.
- Thermostatic control for stove ovens. A. H. Tinnerman. 1,764,765; June 17.
- Thermostatic control mechanism. E. L. Fonseca. 1,772,441; Aug. 5.
- Thermostatic control of a vent in a chamber; H. M. Cone. Re17,676; May 27.
- Thermostatic controlling apparatus. H. W. Sweatt and F. S. Denison. 1,768,940; July 1.
- Thermostatic device. H. D. Dorfman. 1,763,137; June 10.
- Thermostatic device. W. H. Pascoe and J. W. Tatter. 1,772,570; Aug. 12.
- Thermostatic device. S. Perry. 1,756,660; Apr. 29.
- Thermostatic device. E. A. Rutenber. 1,783,309; Dec. 2.
- Thermostatic element. W. M. Chace. 1,769,623; July 1.
- Thermostatic instrument. A. G. Strand. 1,773,761; Aug. 26.
- Thermostatic regulator. A. J. Hemings. 1,761,300; June 3.
- Thermostatic regulator. F. W. Powers. 1,763,180; June 10.
- Thermostatic regulator for internal-combustion engines. P. Gwisdalla. 1,769,133; July 1.
- Thermostatic switch. M. Kasser. 1,777,000; Sept. 30.
- Thermostatic switch. E. J. Levy. 1,781,288; Nov. 11.
- Thermostatic switch. H. D. Matthews. 1,783,179; Dec. 2.
- Thermostatic switch. L. A. M. Phelan. 1,764,345; June 17.
- Thermostats, Dirt trap for. C. H. Morrow. 1,785,387; Dec. 16.
- Thermostats, Making bimetallic strips for. F. W. Miller. 1,751,489; Mar. 25.
- Thermostatically-actuated device. G. O. Wilms and A. J. Dawe. 1,785,852; Dec. 23.
- Thermostatically-controlled mechanism. W. E. Smith, S. R. Hemphill, and J. J. Sullivan. 1,779,514; Oct. 28.
- Thermostatically-operated device. C. L. Rayfield. 1,785,787; Dec. 23.
- Thiazole compounds, Manufacture of aromatic. H. A. Merkle. 1,753,898; Apr. 8.
- Thiazoles, Preparing. L. B. Sebrell and J. Teppema. 1,735,656; Dec. 16.
- Thickness gauging and stamping machine. E. K. Standish. 1,766,726; June 24.
- Thickness-gauging device for leather, etc. W. S. Griffith. 1,766,745; June 24.
- Thimble structure. C. H. Johnson. 1,744,269; Jan. 21.
- Thin-place preventer, Automatic. W. F. Clayton. 1,787,359; Dec. 30.
- Thiocyanates of the alkaline-earth metals, Obtaining. R. R. Fulton. 1,751,274; Mar. 18.
- Thiosemicarbazones of hydroxy arsenobenzene and preparing the same. K. Streitwolf and A. Fehrlé. 1,785,660; Dec. 16.
- Thiophene derivatives of the benzanthrone series and preparing the same. A. Luettringhaus, P. Nawiasky and A. Ehrhardt. 1,778,159; Oct. 14.
- Thirty-six-speed head. D. C. Klausmeyer and H. M. Norris. 1,763,158; June 10.
- Thrasher and like harvesting machine, Reaping. H. S. Taylor. 1,771,359; July 22.
- Thrasher, Harvester. A. C. Lindgren. 1,769,031; July 1.
- Thrasher, Mowing. G. W. Ingle. 1,744,898; Jan. 28.
- Thrashers, Feeder for. A. E. W. Johnson and A. W. Wessman. 1,768,985; July 1.
- Thrashers for transport, Narrowing harvester. C. R. Rancy and A. E. W. Johnson. 1,769,037; July 1.
- Thrashers, Sack chute for harvester. W. F. MacGregor and R. K. Norman. 1,782,995; Nov. 25.
- Thrashing and straw-reducing machine, Axial. F. Schlayer. 1,744,144; Jan. 21.
- Thrashing and straw-reducing machine, Axial. F. Schlayer. 1,744,335; Jan. 21.
- Thrashing machine. A. H. Barhorst. 1,772,978; Aug. 12.
- Thrashing machine. D. E. Humbke. 1,779,705; Oct. 28.
- Thrashing machine. F. Schlayer. 1,744,334; Jan. 21.
- Thrashing machine. W. H. Worthington. 1,771,240; July 22.
- Thrashing machine. I. Zaymusz. 1,750,083; Mar. 11.
- Thrashing machine, Axial. F. Schlayer. 1,776,396; Sept. 23.
- Thrashing machine, Peanut. C. R. Livermon. 1,744,906; Jan. 28.
- Thrashing machines, Feeding device for. F. P. Ryder. 1,752,577; Apr. 1.
- Thrashing machines, Feeding mechanism for. A. J. Peterson. 1,759,709; May 20.
- Thrashing machines, Stripper tooth for. C. R. Livermon. 1,776,736; Sept. 23.
- Thrashing machines, Stripping finger adjustment for. C. R. Livermon. 1,749,040; Mar. 4.
- Thrashing or straw-reducing machine, Axial. F. Schlayer. 1,744,336; Jan. 21.
- Thread board and guide for spinning frames. F. K. Hendrickson and S. H. Helland. 1,771,923; July 29.
- Thread carrier. H. F. Paget. 1,752,754; Apr. 1.
- Thread cleaner. F. Bauman. 1,758,424; May 13.
- Thread coating, waxing, and impregnating attachment for winding machines. M. W. Becker. 1,771,568; July 29.
- Thread controlling device for creels. F. B. Javery. 1,765,590; June 24.
- Thread cutter. W. G. Funk. 1,754,092; Apr. 8.
- Thread cutter. H. Lindner. 1,768,089; June 24.
- Thread cutter. T. F. Naumann. 1,752,611; Apr. 1.
- Thread cutting and forming machine. F. W. Bommer. 1,764,775; June 17.

- Thread-cutting device. T. M. Lilleberg. 1,752,915; Apr. 1.
- Thread-cutting die. A. J. Prance. 1,777,380; Oct. 7.
- Thread-cutting dies, Making. O. W. Berg. 1,773,471; Aug. 19.
- Thread-cutting machine. F. W. Bommer. 1,756,172; Apr. 29.
- Thread-cutting temple, Intermittent. H. H. Burdett. 1,758,882; May 13.
- Thread doubling and twisting machine. M. F. Haas. 1,777,612; Oct. 7.
- Thread for oil savers, Removable. J. N. Locke. 1,759,909; May 27.
- Thread guide. P. Uhlig and W. Ulrich. 1,760,453; May 27.
- Thread guide for shuttles. W. P. Craig. 1,786,602; Dec. 30.
- Thread holder for the threading guides of stocking machines. M. Mueller. 1,773,541; Aug. 19.
- Thread in cakes, Method of and apparatus for laying up. W. H. Furness. 1,770,397; July 15.
- Thread-laying mechanism for sewing machines, Covering. W. M. Hanneman. 1,765,150; June 17.
- Thread, Making rubber. F. W. Bommer. 1,756,171; Apr. 29.
- Thread-moistening device. J. Amon. 1,760,032; May 27.
- Thread or yarn guide. F. Alz. 1,772,236; Aug. 5.
- Thread protector. J. P. Leonard. 1,751,210; Mar. 18.
- Thread protector. H. D. Scott. 1,749,162; Mar. 4.
- Thread protector. P. J. Shrum. 1,762,248; June 10.
- Thread protector. P. J. Shrum. 1,774,569; Sept. 2.
- Thread protector. H. A. Unke. 1,776,528; Sept. 23.
- Thread protector. H. A. Unke. 1,783,892; Dec. 2.
- Thread-rolling machine. S. A. Swanson. 1,780,608; Nov. 4.
- Thread-rolling machine, High-speed. J. A. Kinney. 1,783,796; Dec. 2.
- Thread-swelling machine. C. F. Roberts. 1,762,562; June 10.
- Thread-tensioning device. B. T. Leveque. 1,778,081; Oct. 14.
- Threading device, Tuft-frame. C. Alvord. 1,786,813; Dec. 30.
- Threading die. W. J. Hogg. 1,783,539; Dec. 2.
- Threading-die-operating attachment. W. J. Hogg. 1,762,988; June 10.
- Threadless coupling. M. Schawrow. 1,784,393; Dec. 9.
- Threads, Adjustable means for catching slugs in. H. C. Bacon. 1,743,650; Jan. 14.
- Threads by the cupro-ammunium stretch spinning process, Process and apparatus for the production of artificial. H. Winkelmann. 1,761,860; June 3.
- Threads, cords, and fabrics. C. W. Palmer and S. M. Fulton. 1,777,445; Oct. 7.
- Threads, fabrics, or other materials composed of or containing artificial filaments and product, Treatment of. C. W. Palmer and S. M. Fulton. 1,774,184; Aug. 26.
- Threads, Manufacture of hollow artificial. H. Karplus. 1,770,310; July 8.
- Threads of derivatives of cellulose, Process and apparatus for the manufacture of artificial. K. Hoffmann. 1,754,427; Apr. 15.
- Threads or fabrics containing cellulose acetate, Treatment of. G. Lardy. 1,778,327; Oct. 14.
- Threads, Separating device for intercrossing. W. Ramser. 1,786,238; Dec. 23.
- 3-arylamino-1-8-naphthylsultam compounds and making the same. W. Neelmeier and T. Nocken. 1,777,931; Oct. 7.
- 3-hydroxy benzaldehyde, Chlorination of. D. W. Bissell and F. H. Krantz. 1,776,803; Sept. 30.
- Threshold or sill. W. B. Anderson. 1,768,730; July 1.
- Throttle. J. K. Scott. 1,771,195; July 22.
- Throttle, Choke-operated. J. Good. 1,764,621; June 17.
- Throttle control, Automobile gas. W. J. Staker. 1,768,380; June 24.
- Throttle control for internal-combustion engines. F. H. Heitger. 1,766,711; June 24.
- Throttle, Foot. P. A. Gianera. 1,782,035; Nov. 18.
- Throttle mechanism for internal-combustion engines. F. Jehle. 1,784,671; Dec. 9.
- Throttle-operating mechanism. N. T. McKee. 1,753,297; Apr. 8.
- Throw dart and target for the same. M. Schoen. 1,774,765; Sept. 2.
- Thumb guard, Manicurists'. M. V. Shane. 1,783,984; Dec. 9.
- Thumb saver. C. B. Morrison. 1,755,014; Apr. 15.
- Thumb-sucking preventer. B. S. Dunham. 1,772,601; Aug. 12.
- Thymol, Producing. H. Jordan. 1,768,257; June 24.
- Thymol, Production of. H. Jordan, W. Schoeller, and R. Clerc. 1,784,598; Dec. 9.
- Thymol, Production of. W. Schoeller and H. Jordan. 1,786,922; Dec. 30.
- Ticker-tape control. J. H. Chidester. 1,783,008; Nov. 25.
- Ticket, Advertising or price. A. E. Hurst. 1,757,964; May 13.
- Ticket-canceling machine. G. Klein and P. Massot. 1,762,301; June 10.
- Ticket-delivery mechanism. L. Scher. 1,750,196; Mar. 11.
- Ticket dispensing. H. Ruscher. 1,776,602; Sept. 23.
- Ticket for telephone service, Memorandum. G. D. Cox. 1,784,813; Dec. 16.
- Ticket-issuing machine. W. L. Sullivan. 1,765,951; June 24.
- Ticket-punching apparatus. C. W. A. Comley. 1,768,665; July 1.
- Tickets, Method of and apparatus for making. S. L. H. Eberhardt. 1,785,250; Dec. 16.
- Ticking. B. S. Nash. Des. 80,906; Apr. 8.
- Ticking fabric. B. S. Nash. Des. 81,016; Apr. 22.
- Tidal energy, System and method of utilizing. D. P. Cooper. 1,760,632; May 27.
- Tide or wave motor. P. M. Sealy and J. Carroll. 1,763,191; June 10.
- Tides for power purposes, Utilizing the. A. Defour. 1,785,896; Dec. 23.
- Tides, waves, or currents, Utilization of the energy of. P. Shishkoff. 1,768,716; July 1.
- Tie: See—
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| Bag or sack tie. | Railroad tie. |
| Bow tie. | Railway tie. |
| Concrete tie. | Railway-track tie. |
| Cord tie. | Ski tie. |
| Metallic tie. | Sleeper tie. |
| Mine tie. | Wall tie. |
| Rail tie. | |
- Tie. W. Weinschreider. 1,751,963; Mar. 25.
- Tie and drive for demountable rims. E. R. Jacobi and F. H. Le Jeune. 1,747,474; Feb. 18.
- Tie and spacer for concrete forms. A. M. Kinninger. 1,776,438; Sept. 23.
- Tie and spreader for concrete molds, Combination. J. C. Nelson. Re17,733; July 15.
- Tie-bar construction for vehicles. I. Ornberg. 1,770,547; July 15.
- Tie-bar hanger. C. L. Snyder. 1,765,107; June 17.
- Tie-boring machine, Portable. J. Triana. 1,767,327; June 24.
- Tie clasp. O. Carlson. 1,764,778; June 17.
- Tie for cards, sheets, etc. F. C. Many. 1,784,299; Dec. 9.
- Tie for metal straps. L. M. Harvey. 1,783,239; Dec. 2.
- Tie hanger. R. M. Andrews. 1,770,190; July 8.
- Tie liner and making the same. J. V. Moore. 1,756,901; Apr. 29.
- Tie, making the same, and material used in the manufacture thereof, Four-in-hand. S. L. Samter. 1,762,591; June 10.
- Tie plate. B. F. Beckman. 1,767,647; June 24.
- Tie plate. W. S. Boyce. 1,776,882; Sept. 30.
- Tie plate. B. M. Cheney. 1,754,500; Apr. 15.
- Tie plate. G. W. Drew. 1,746,526; Feb. 11.
- Tie rack. C. K. Freeman. 1,754,940; Apr. 15.
- Tie plate. W. Schwier. 1,771,146; July 22.
- Tie plate. J. T. Warriner. 1,778,649; Oct. 14.
- Tie plate and key. J. A. McGrew. 1,781,122; Nov. 11.
- Tie plate and rail anchor, Combined. W. A. McFarland. 1,767,937; June 24.
- Tie plate, Combination. F. C. Hasse and I. Allison. 1,779,212; Oct. 21.
- Tie-plate machine. H. M. Ely. 1,746,032; Feb. 4.
- Tie rack. S. Soloff. 1,769,805; July 1.
- Tie-rod construction. J. T. Trumble. 1,768,347; June 24.
- Tie, tie piece goods, and method of making. N. J. Strauss. 1,782,183; Nov. 18.
- Tie wire and spreader. C. M. Alley. 1,746,298; Feb. 11.
- Tightening means for rotary machines. O. R. P. Berglund. 1,766,872; June 24.
- Tile and fixture mounting. W. G. Webster. 1,744,187; Jan. 21.
- Tile and making the same, Decorated. V. Lefebure. 1,772,257; Aug. 5.
- Tile and mounting therefor, Lip. J. W. Wildermuth. 1,777,456; Oct. 7.
- Tile, Apparatus for manufacturing hollow. R. A. Shipley. 1,752,702; Apr. 1.
- Tile assembling and pasting machine, Multicolor. F. B. Yingling. 1,745,823; Feb. 4.
- Tile band, Drain-. G. F. Butler. 1,747,500; Feb. 18.
- Tile band, Drain-. G. F. Butler and C. L. Haman. 1,747,501; Feb. 18.
- Tile block. B. B. Bolton. Des. 82,657; Dec. 2.
- Tile block. H. O. Nelson and R. J. La Belle. Des. 82,106; Sept. 23.
- Tile for building purposes, Hollow. F. Koch. 1,764,798; June 17.
- Tile for drip ledge, Special. T. G. Coghlan. 1,753,332; Apr. 8.
- Tile-forming machine. H. W. Reel. 1,784,847; Dec. 16.
- Tile-hanger bar, Composite. L. S. Abbott. 1,751,676; Mar. 25.
- Tile, Hip. R. S. Schmieder. 1,755,412; Apr. 22.
- Tile machine. B. R. Simmons. 1,782,051; Nov. 18.
- Tile machine, Roofing-. R. Gretsche. 1,777,917; Oct. 7.
- Tile, Metal. E. L. C. Clark and S. O'Hara. 1,770,067; July 8.
- Tile-molding machine. J. Pessagno. 1,765,847; June 24.
- Tile-mounting machine, Ceramic-. L. N. Yinger. 1,763,494; June 10.
- Tile-panel backing. N. H. Cederquist. 1,747,426; Feb. 18.
- Tile-roof closure. J. Giordano. 1,752,593; Apr. 1.
- Tile setter. W. McCoy. 1,778,561; Oct. 14.
- Tile, Wall-facing. V. Sciamanna. 1,771,354; July 22.
- Tiles, Apparatus for making. J. W. Thomas. 1,781,992; Nov. 18.
- Till and cash register, Money. H. C. Price. 1,746,715; Feb. 11.
- Till, Double-compartment money. L. R. Sherwood and T. L. Little. 1,754,911; Apr. 15.

- Tillage wheel. G. E. Karl. Des. 82,205; Sept. 30.
 Tiller. G. Peneff. 1,783,153; Nov. 25.
 Tilling machine. N. C. Storey. 1,743,836; Jan. 14.
 Tilling machine, Rotary. E. H. W. Foot. 1,754,311; Apr. 15.
 Tilt for covering open trucks. L. van Hülst. 1,770,329; July 8.
 Tilting and dumping body. E. R. Barrett. 1,743,094; Jan. 14.
 Tilting casting box. H. A. W. Wood. 1,783,323; Dec. 2.
 Tilting chair. A. Stoll. 1,755,228; Apr. 22.
 Timber and the like, Drying or treating. F. W. Cherrington. 1,756,281; Apr. 29.
 Timber and the like, Manufacture of artificial. A. E. Millington. 1,742,410; Jan. 7.
 Timber clamp. G. B. Bosco. 1,742,634; Jan. 7.
 Timber-handling device. C. E. Doty and O. G. Desch. 1,756,057; Apr. 29.
 Timber, Method and apparatus for assorting. V. Schaubberger. 1,775,871; Sept. 16.
 Timber splicer. C. M. Markham. 1,783,622; Dec. 2.
 Time-control mechanism. W. P. Frisch. 1,763,230; June 10.
 Time-controlled apparatus. R. W. Johnson. 1,774,275; Aug. 26.
 Time-controlled means for operating electric lights. M. E. Neagus. 1,769,804; July 1.
 Time-controlled mechanism. J. Stellato. 1,778,695; Oct. 14.
 Time-controlled switch. G. M. Brunner. 1,754,933; Apr. 15.
 Time-controlled switch. W. J. Coward. 1,767,347; June 24.
 Time-delay-controlling device and system. B. W. Jones. 1,768,452; June 24.
 Time-element device. J. Eaton. 1,774,966; Sept. 2.
 Time-element electroresponsive device and system employing the same. C. F. Carpenter and D. I. Bohn. 1,761,772; June 3.
 Time fuse with clockwork, Mechanical. P. Liebergeld. 1,786,664; Dec. 30.
 Time indicator. F. W. Gibson. 1,754,203; Apr. 8.
 Timepiece. K. D. Long. 1,760,760; May 27.
 Timepiece, Electromagnetic-impulse. F. Marti. 1,752,446; Apr. 1.
 Timepieces, Operating mechanisms for. N. D. Holbrook. 1,773,308; Aug. 19.
 Time recorder. J. W. Bryce. 1,773,421; Aug. 19.
 Time recorder. J. W. Bryce. 1,786,979; Dec. 30.
 Time recorder. J. W. Yates. 1,755,906; Apr. 22.
 Time-recording apparatus. F. P. A. E. Delpech. 1,751,529; Mar. 25.
 Time-recording instrument. J. Brendle. 1,746,884; Feb. 11.
 Time-recording machine. R. M. Barbour and H. H. Knipe. 1,763,740; June 17.
 Time-stamping mechanism, Portable. E. Salustri and G. Salustri. 1,780,770; Nov. 4.
 Time switch. H. R. Miller. 1,776,519; Sept. 23.
 Timeswitch. C. E. Smith. 1,743,574; Jan. 14.
 Time switch, Automatic. B. F. and F. W. Flegel. 1,756,543; Apr. 29.
 Time switch, Automatic electric. J. L. Thomas. 1,778,093; Oct. 14.
 Time switch, Electric. D. L. Chandler. 1,761,652; June 3.
 Time switch, Electric. S. C. Vincent. 1,767,103; June 24.
 Time-switch mechanism. G. K. Ernst. 1,758,222; May 13.
 Time-switch mechanism. M. S. Thomas. 1,769,657; July 1.
 Timer. C. W. Hunter. 1,773,186; Aug. 19.
 Timer. T. J. Smulski. 1,757,342; May 6.
 Timer, Athletic. J. H. Steele. 1,766,558; June 24.
 Timer for automatically controlling electric stoves. R. M. G. Phillips. 1,758,619; May 13.
 Timer for electric circuits. A. R. Johnson. 1,779,545; Oct. 28.
 Timer for ignition systems. E. C. Newton. 1,761,225; June 3.
 Timer insulation, Laminated. L. A. Alexander. 1,754,493; Apr. 15.
 Timer mechanism. R. D. Smith. 1,762,101; June 3.
 Timing. C. K. Woodbridge. 1,781,041; Nov. 11.
 Timing and controlling impulses, Device for. H. N. Packard. 1,743,231; Jan. 14.
 Timing apparatus. E. Spengeman. 1,784,031; Dec. 9.
 Timing controller for electric motors. E. W. Seeger. 1,767,620; June 24.
 Timing device. C. H. Oslund. 1,770,530; July 15.
 Timing device. P. P. Yohe and W. Christie. 1,759,638; May 20.
 Timing device, Auxiliary. C. S. Pinkerton. 1,743,233; Jan. 14.
 Timing device, Electric. E. E. Charlton. 1,762,811; June 10.
 Timing device for balance-wheel units of watches and clocks. C. B. Greenberg. 1,778,421; Oct. 14.
 Timing device for boiling eggs. C. Lurtz. 1,769,884; July 1.
 Timing device for well pumps, Motor-driven. S. B. Redfield. 1,779,251; Oct. 21.
 Timing indicator for internal-combustion engines. W. D. Havens. 1,782,142; Nov. 18.
 Timing means, Air starter. J. M. Winton. 1,762,206; June 10.
 Timing mechanical operations, Mechanism for. C. F. Ball. 1,766,770; June 24.
 Timing mechanism. W. E. Curtis. 1,772,246; Aug. 5.
 Timing mechanism, Automatic. C. E. Steere. 1,787,217; Dec. 30.
 Timing mechanism for glass feeders. O. M. Tucker and W. A. Reeves. 1,760,999; June 3.
 Timing switch, Automatic variable. C. H. Bissell. 1,745,975; Feb. 4.
 Tin chlorides, Making. W. S. Smith. 1,777,132; Sept. 30.
 Tin compounds from solutions, Separating. H. M. Schleicher. 1,742,284; Jan. 7.
 Tin contained in the residues of tin-plate manufacture, Recovery of the. J. H. Laley. 1,784,490; Dec. 9.
 Tin-edging machine. J. W. Dixon. 1,760,046; May 27.
 Tin from ores or materials containing tin, Extraction of. E. A. Ashcroft. 1,780,106; Oct. 28.
 Tin from ores or materials containing tin, Extraction of. E. A. Ashcroft. 1,786,386; Dec. 23.
 Tin machine. J. R. Dougan. 1,779,358; Oct. 21.
 Tin-pack-handling mechanism for heating furnaces. J. W. Perry. 1,772,554; Aug. 12.
 Tin pot. J. T. McQuiston. 1,785,322; Dec. 16.
 Tinning apparatus. H. W. Bundy. 1,785,762; Dec. 23.
 Tinsel garland. B. E. Franke. 1,773,580; Aug. 19.
 Tip. W. A. Vollmer. 1,751,372; Mar. 18.
 Tip for gas-burning apparatus. A. J. and I. F. Fausek. 1,762,166; June 10.
 Tipping machine. W. H. Harrison, jr. 1,780,916; Nov. 11.
 Tire. C. J. Dolding. Des. 82,254; Oct. 14.
 Tire. J. C. Hitchner. 1,749,766; Mar. 11.
 Tire. G. D. Kratz and E. Schnedarek. Des. 81,752; Aug. 5.
 Tire. J. J. McDonald. Des. 82,441; Nov. 4.
 Tire. R. H. Nesmith. Des. 81,592; July 15.
 Tire. F. G. Schenuit. 1,754,836; Apr. 15.
 Tire. W. E. Shively. Des. 81,160; May 13.
 Tire. A. H. Shoemaker. Des. 82,002; Sept. 9.
 Tire. R. Smith. Des. 81,210; May 20.
 Tire alarm. L. C. Galli. 1,768,048; June 24.
 Tire alarm. R. L. Sim. 1,768,999; July 1.
 Tire and marking the same. V. L. Smithers. 1,784,118; Dec. 9.
 Tire and rim construction, Pneumatic. A. H. Shoemaker. 1,756,665; Apr. 29.
 Tire and wheel, Pneumatic. C. K. Welch. 1,786,101; Dec. 23.
 Tire, Antisplash. H. Waterfall. 1,757,754; May 6.
 Tire, Automobile. H. C. Hower. Des. 81,647; July 22.
 Tire, Automobile. B. Omoto. Des. 81,719; July 29.
 Tire-balancing mechanism. H. C. Wood. 1,744,431; Jan. 21.
 Tire bands, Apparatus for treating. A. O. Abbott, jr. 1,756,529; Apr. 29.
 Tire-bead reenforcement. R. C. Pierce. 1,763,179; June 10.
 Tire-bead-reenforcing element. R. C. Pierce. 1,767,772; June 24.
 Tire beads, Apparatus for reenforcing. H. D. Stevens. 1,787,411; Dec. 30.
 Tire beads, Method and apparatus for building. W. C. Stevens. 1,759,669; May 20.
 Tire beads, Reenforcement for. S. W. Alderfer. 1,749,899; Mar. 11.
 Tire boot. W. R. Pinneo. 1,785,390; Dec. 16.
 Tire-building apparatus. J. H. Doty. 1,769,421; July 1.
 Tire-building apparatus. W. F. Koleta. 1,775,080; Sept. 2.
 Tire-building apparatus. C. E. Maynard. 1,748,299; Feb. 25.
 Tire building apparatus. J. A. Shively. 1,779,399; Oct. 21.
 Tire-building apparatus. F. Slusher. 1,753,973; Apr. 8.
 Tire-building drum. P. A. Frank. 1,777,405; Oct. 7.
 Tire-building form, Collapsible. J. E. Palmer. 1,749,886; Mar. 11.
 Tire-building machine. P. W. Lehman. 1,762,824-5; June 10.
 Tire-building machine. N. H. Myers and F. Goodall. 1,745,183; Jan. 28.
 Tire-building machine. W. C. State. 1,785,659; Dec. 16.
 Tire-building machine. W. C. Stevens. 1,768,341; June 24.
 Tire-building machine. W. C. Stevens. 1,787,413; Dec. 30.
 Tire-building machine. W. E. Swern. 1,754,583; Apr. 15.
 Tire-building machine. J. Vrbanac. 1,762,850; June 10.
 Tire-building machine. G. F. Wikle. 1,748,263; Feb. 25.
 Tire-building machine. G. F. Wikle. 1,757,105; May 6.
 Tire-building machine, Flat. E. Hutchen. 1,767,288; June 24.
 Tire-building machines, Strip-applying device for. W. C. Stevens. 1,787,414; Dec. 30.
 Tire-building method and apparatus. N. L. Warner. 1,769,404; July 1.
 Tire carrier. C. J. Bock. 1,761,968; June 3.
 Tire carrier. A. Heber. 1,761,916; June 3.
 Tire carrier. W. S. Stockton. 1,748,089; Feb. 25.
 Tire carrier, Double. F. A. Smith. 1,773,284; Aug. 19.
 Tire carrier, Spare. J. L. Gilmore. 1,779,877; Oct. 28.
 Tire carrier, Truck. O. E. Hunt and A. G. Geistert. 1,761,920; June 3.
 Tire carrier, Underslung. L. M. Spencer. 1,761,941; June 3.
 Tire casing. B. R. Prall. Des. 82,390; Oct. 28.
 Tire-casing expander. G. W. Hebbeler. 1,762,227; June 10.

- Tire-casing spreader. C. E. Weaver and E. W. Kelley. 1,753,035; Apr. 1.
- Tire casings, Building. H. L. Smith. 1,762,839; June 10.
- Tire casings, Making. J. Howard. 1,759,848; May 27.
- Tire casings, Manufacture of pneumatic. G. L. Mather. 1,762,830; June 10.
- Tire casings, Manufacture of pneumatic. G. F. Wikle. 1,762,849; June 10.
- Tire casings, Manufacturing. E. Hopkinson. Re17,618; Mar. 4.
- Tire chain. A. Frykman. 1,764,785; June 17.
- Tire chain. A. O. Ouelette. 1,774,036; Aug. 26.
- Tire chain. F. Romain. 1,768,153; June 24.
- Tire-chain end hook. J. C. Bourquin. 1,771,950; July 29.
- Tire-chain hook. A. Drinkwater. 1,755,870; Apr. 22.
- Tire-chain lock. B. E. Lang. 1,782,510; Nov. 25.
- Tire-chain tread. C. L. Hoff and G. G. Naugle. 1,745,797; Feb. 4.
- Tire chain which is permanently attached to the wheels, Nonskid. M. W. Conrow. 1,786,229; Dec. 23.
- Tire changer. G. E. Weaver and E. K. Hall. 1,748,092; Feb. 25.
- Tire-changing machine. A. C. Senger. 1,758,264; May 13.
- Tire construction. F. W. Krone. 1,770,313; July 8.
- Tire cores, Collapsing mechanism for. E. G. Templeton. 1,775,626; Sept. 9.
- Tire-deflation indicator. R. Depee. 1,765,213; June 17.
- Tire-deflation signal. H. S. Christiphersen. 1,763,639; June 17.
- Tire-deflation signal. A. S. Craig. 1,750,509; Mar. 11.
- Tire-deflation signal. W. L. Galbraith. 1,773,394; Aug. 19.
- Tire-deflation switch. J. Berger. 1,750,563; Mar. 11.
- Tire-deflation switch. J. B. Garside. 1,769,427; July 1.
- Tire-detreading machine. K. W. Liebau. 1,745,021; Jan. 28.
- Tire expander. R. V. Ritchey. 1,759,713; May 20.
- Tire-fabric cutting and band-building machine. W. F. Koleta. 1,746,119; Feb. 4.
- Tire fabrics, Treating. F. L. Sessions. 1,747,533; Feb. 18.
- Tire-finishing machine. C. H. Desautels. 1,757,113; May 6.
- Tire flap. R. S. Burdette. 1,785,691; Dec. 16.
- Tire-flap-making apparatus. E. D. Putt. 1,787,168; Dec. 30.
- Tire for lugged traction wheels, Over. O. R. Schoenrock. 1,786,871; Dec. 30.
- Tire for motor-vehicle wheels. E. Hibbert. 1,752,845; Apr. 1.
- Tire-forming machine. R. S. Kirk. 1,763,589; June 10.
- Tire-forming machine. W. E. Swern. 1,779,376-7; Oct. 21.
- Tire-forming machine. Centrifugal. E. F. Maas. 1,757,934; May 6.
- Tire gauge. W. E. Gochnauer. 1,783,116; Nov. 25.
- Tire gauge. P. W. Pfeiffer. 1,774,153; Aug. 26.
- Tire indicator switch. S. G. Bond. 1,773,215; Aug. 19.
- Tire inflater. D. H. Spicer. 1,779,565; Oct. 28.
- Tire-inflater mechanism. W. M. Griffin and R. J. Jauch. 1,779,670; Oct. 28.
- Tire-inflating device. G. H. Davis. 1,750,214; Mar. 11.
- Tire-inflating mechanism, Automatic. D. H. Spicer. 1,779,566; Oct. 28.
- Tire-inflation device. S. M. Weisberg. Des. 82,468; Nov. 4.
- Tire interliner. R. Schäfer and A. Meier. 1,779,014; Oct. 21.
- Tire-lining apparatus. H. M. Brown. 1,763,611; June 10.
- Tire-lining machine. W. C. State. 1,750,437; Mar. 11.
- Tire lock. C. A. Meloy. 1,766,664; June 24.
- Tire lock, Auto. J. Manly. 1,774,936; Sept. 2.
- Tire lock, Automobile. J. Lauro. 1,753,124; Apr. 1.
- Tire lock, Spare. G. R. Reed. 1,768,293; June 24.
- Tire lug. T. W. Bechtold. 1,779,689; Oct. 28.
- Tire-making machine. M. C. Scrote. 1,748,622; Feb. 25.
- Tire mender. J. M. Boscardin. 1,753,688; Apr. 8.
- Tire mold, Rubber. L. A. Lausen. 1,757,376; May 6.
- Tire molds, Producing. G. W. Bungay. 1,776,145; Sept. 16.
- Tire mounting and dismounting device. W. H. McFarland. 1,742,315; Jan. 7.
- Tire or similar article. F. S. Young. Des. 82,867; Dec. 16.
- Tire-plugging method and means therefor. R. T. Griffiths. 1,754,624; Apr. 15.
- Tire, Pneumatic. H. B. Marston. 1,759,410; May 20.
- Tire, Pneumatic. R. E. Jenkinson. 1,781,657; Nov. 11.
- Tire, Pneumatic. W. E. Shively. 1,785,657; Dec. 16.
- Tire, Pneumatic. H. B. Whitlark. 1,762,905; June 10.
- Tire-pressure gauge. E. O. Anderson. 1,745,202; Jan. 28.
- Tire-pressure gauge. A. Watters. 1,742,740; Jan. 7.
- Tire protector. M. A. Peterson. 1,766,531; June 24.
- Tire protector, Auto. U. W. Hutchings. 1,759,159; May 20.
- Tire. Punctureproof pneumatic. H. C. Anderson. 1,767,502; June 24.
- Tire remover and carrier. E. Freivogel. 1,762,163; June 10.
- Tire remover, Automobile. E. Freivogel. 1,742,590; Jan. 7.
- Tire-repairing unit and process. W. B. Burke. 1,778,183; Oct. 14.
- Tire, Resilient. M. Leupold. 1,783,091; Nov. 25.
- Tire, Resilient. A. Tyler. 1,748,318; Feb. 25.
- Tire-retreading mold. E. A. Glynn. 1,760,944; June 3.
- Tire-retreading mold. H. J. Woock. 1,764,378; June 17.
- Tire rim. W. H. Baird and T. O. Baird. 1,769,097; July 1.
- Tire-rim and rim-ring tools. H. Eulberg. 1,744,535; Jan. 21.
- Tire-rim lug, Automobile. A. C. Breyer. 1,758,310; May 13.
- Tire-rim-mounting means. C. E. Michaud and L. Lapierre. 1,755,999; Apr. 22.
- Tire rims, Locking device for. M. D. Perkins. 1,778,466; Oct. 14.
- Tire signal. W. A. Harned. 1,769,508; July 1.
- Tire signal. H. and F. Tastenhoye. 1,773,505; Aug. 19.
- Tire, Skidless. L. G. Peters. 1,759,590; May 20.
- Tire spreader. F. De Franco. 1,771,401; July 29.
- Tire spreader. S. Leavitt. 1,776,037; Sept. 16.
- Tire spreader. J. A. Rekenhaller. 1,760,719; May 27.
- Tire-spreading machine. A. C. Hopkins. 1,759,052; May 20.
- Tire structure. F. C. Cave. 1,758,353; May 13.
- Tire structure, Cushion-. A. L. Schoff and F. H. Meyer. 1,743,688; Jan. 14.
- Tire-testing machine. W. C. Stevens. 1,753,175; Apr. 1.
- Tire trimmer. C. E. Maynard. 1,757,127; May 6.
- Tire trimmer, Bicycle-. A. R. Krause. 1,781,398; Nov. 11.
- Tire-valve cap, Theftproof. H. Heinrich. 1,767,884; June 24.
- Tire-valve dust cap and locking mechanism therefor. J. T. Ryan. 1,782,584; Nov. 25.
- Tire, Vehicle. R. E. Jenkinson. 1,769,694; July 1.
- Tire, Vehicle. C. M. Manly. 1,780,306; Nov. 4.
- Tire, Vehicle nonskid. W. Zak. Des. 81,978; Sept. 9.
- Tire vulcanizer. J. Q. Adams. 1,752,829; Apr. 1.
- Tires, Air-service control and register for pneumatic. A. M. Baird and F. J. Partridge. 1,786,103; Dec. 23.
- Tires and product, Building. A. O. Abbott. 1,770,895; July 22.
- Tires, Apparatus for manufacturing. A. O. Abbott, Jr. 1,752,136; Mar. 25.
- Tires, Constructing pneumatic. B. Darrow. 1,779,391; Oct. 21.
- Tires, Inflating pneumatic. R. H. Daneel. 1,772,212; Aug. 5.
- Tires, Making. V. C. Anderson. 1,744,025; Jan. 21.
- Tires, Making. B. Darrow. 1,779,392; Oct. 21.
- Tires, Making. C. M. Manly. 1,762,723; June 10.
- Tires, Making. A. J. Musselman. 1,779,244; Oct. 21.
- Tires, Making. W. E. Shively. 1,779,400; Oct. 21.
- Tires, Making cord. A. E. Preyer. 1,770,531; July 15.
- Tires, Method and apparatus for vulcanizing. A. J. Fleiter. 1,778,071; Oct. 14.
- Tires, Method of and apparatus for manufacturing pneumatic. A. O. Abbott, Jr. 1,762,752; June 10.
- Tires, Method of and apparatus for retreading. R. D. Vincent. 1,748,590; Feb. 25.
- Tires, Method of and machine for removing wire cores from the beads of rubber. L. B. Gamel. 1,746,998; Feb. 11.
- Tires, Portable device for regrooving solid. G. W. Fleming. 1,743,125; Jan. 14.
- Tires, Retreading. R. S. Burdette. 1,746,763; Feb. 11.
- Tires, Signal cap for pneumatic. F. Y. Wynkoop. 1,756,273; Apr. 29.
- Tires, Traction device for. C. R. Stewart. 1,783,161; Nov. 25.
- Titanic oxide, Production of. M. Schnetka. 1,758,472; May 13.
- Titanium compounds, Precipitating. P. Farup. 1,773,727; Aug. 26.
- Titanium containing compounds, Manufacture of. F. G. C. Stephens, L. J. Anderson and W. A. Cash. 1,748,429; Feb. 25.
- Titanium dioxide, Production of. W. Mecklenburg. 1,758,528; May 13.
- Titanium oxide and producing the same. F. von Bichowsky. 1,742,674; Jan. 7.
- Title attachment for sound cameras. F. H. Owens. 1,765,998; June 24.
- Toaster. B. A. Lapin. Des. 80,734; Mar. 18.
- Toaster. W. H. McLelland and G. O. Knutson. Des. 81,297; June 3.
- Toaster. E. A. Rutenber. Des. 82,965; Dec. 30.
- Toaster. A. B. Starr. Des. 82,290; Oct. 14.
- Toaster. R. L. Uhl. 1,769,893; July 1.
- Toaster, Bread. H. S. Denison. Des. 81,052; Apr. 29.
- Toaster, Electric. H. G. Heckmann. Des. 81,190; May 20.
- Toaster, Electric. E. S. Johnson. 1,756,784; Apr. 29.
- Toaster, Electric. F. Kuhn and L. H. Thomas. 1,762,176; June 10.
- Toaster, Electric. G. F. Wells. 1,769,973; July 8.
- Toaster, Turnover. G. F. Webb. 1,753,541; Apr. 8.
- Toasting machine. W. J. McCaig and L. E. Padelford. 1,773,109; Aug. 19.
- Toasting machine, Sandwich-. G. Lines. 1,758,121; May 13.
- Tobacco box, Combination. F. Jaskiewicz and J. Latko. 1,768,691; July 1.
- Tobacco can. A. E. Calvird. 1,785,294; Dec. 16.
- Tobacco cartridge for pipes. E. Blank. 1,769,896; July 1.
- Tobacco, Casing. H. P. Wurman. 1,750,656; Mar. 18.
- Tobacco curing. W. A. Pike, H. M. Pike, and W. T. Henry. 1,768,142; June 24.
- Tobacco, Loosening and spreading cut. H. Schünemann. 1,755,081; Apr. 15.
- Tobacco pipe. S. Gunnlaugsson. 1,752,431; Apr. 1.

- Tobacco pipe. S. Gunnlaugsson. 1,763,514; June 10.
 Tobacco pipe. P. Mancusi. 1,761,636; June 3.
 Tobacco pipe. B. M. Markstein. 1,762,636; June 10.
 Tobacco pipe. G. A. Milkie. 1,780,029; Oct. 28.
 Tobacco pipe. E. C. Sasser. 1,763,185; June 10.
 Tobacco portions of uniform size, Device for producing. P. Nordenfelt and E. Granstedt. 1,774,942; Sept. 2.
 Tobacco, Process and apparatus for preparing raw. V. Lorentz. 1,753,573; Apr. 8.
 Tobacco, Process and device for ozonizing. S. Rosenhoch. 1,757,477; May 6.
 Tobacco-stemming machine. H. Weigand and O. E. Schobert. 1,775,378; Sept. 9.
 Tobacco-stripping machine. M. G. P. Phillips. 1,772,015; Aug. 5.
 Toe for shoes, Semisoft box. W. H. Baynard. 1,774,412; Aug. 26.
 Toe plate. J. F. Waidelich, jr. 1,760,676; May 27.
 Toggle. C. S. Morrison. 1,753,058; Apr. 1.
 Toggle brace for hinged members. A. Levine. 1,779,281; Oct. 21.
 Toggle switch, Dustproof. R. H. Cunningham. 1,759,300; May 20.
 Toilet accessory. W. Friedman. 1,743,813; Jan. 14.
 Toilet and cosmetic preparation. M. Aisen. 1,743,512; Jan. 14.
 Toilet article. H. M. Baker and J. R. Gier, jr. 1,766,478; June 24.
 Toilet article. J. A. Burhans. 1,778,243; Oct. 14.
 Toilet article. C. N. Coryell. 1,749,565; Mar. 4.
 Toilet bowl, Silent jet, air-venting, refill. J. R. Smith. 1,742,790; Jan. 7.
 Toilet flusher. L. B. Nordlund. 1,784,944; Dec. 16.
 Toilet for children, Portable. C. F. Pfisterer, O. Krueger, and W. Kaiser. 1,757,684; May 6.
 Toilet material, Manufacturing. T. Hashimoto. 1,756,152; Apr. 29.
 Toilet, Portable. I. E. Ledger. 1,764,843; June 17.
 Toilet, Sanitary. F. M. McHenry and T. S. Wilkes. 1,751,012; Mar. 18.
 Toilet seat. J. W. Bishop. 1,784,619; Dec. 9.
 Toilet seat. B. C. Booth. 1,784,620; Dec. 9.
 Toilet seat. B. C. Booth. 1,784,807; Dec. 9.
 Toilet seat. F. Brousseau. 1,774,868; Sept. 2.
 Toilet seat. C. A. Meath. 1,752,499; Apr. 1.
 Toilet seat, Adjustable ventilating. G. F. Kahl. 1,767,930; June 24.
 Toilet-seat covers, Forming. W. P. McCorkindale. 1,773,591; Aug. 19.
 Token, Shadowgraphic. G. R. Lamade. Des. 81,799; Aug. 12.
 Toll-service trunking system. T. F. Crocker. 1,786,480; Dec. 30.
 Toll-service trunking system, Automatic. V. S. Tharp. 1,777,420; Oct. 7.
 Toll switching system. V. S. Tharp. 1,775,146; Sept. 9.
 Toluol and propylene from cymol, Obtaining. K. Schöllkopf. 1,747,604; Feb. 18.
 Tomato juice, Producing pure. W. J. Kemp. 1,746,657; Feb. 11.
 Tone amplifier for sound-reproducing apparatus. F. Wilhelm and K. J. Müller. 1,754,538; Apr. 15.
 Tone arm. J. A. Fischer. 1,752,245; Mar. 25.
 Tone arm and electrical pick-up, Combined. E. R. F. Johnson and S. T. Williams. 1,742,257; Jan. 7.
 Tone producer with universal audion, Electrical. F. E. Miller. 1,782,542; Nov. 25.
 Tone-producing triangle. C. Kitching. 1,752,529; Apr. 1.
 Tong. W. E. Root. 1,750,817; Mar. 18.
 Tong-actuating device for well-drilling rigs. J. R. Lucas. 1,765,492; June 24.
 Tongs. E. T. Bergquist. 1,777,248; Sept. 30.
 Tongs. C. P. Fay. 1,745,411; Feb. 4.
 Tongs. W. G. Heny and E. G. Schutz. 1,751,155; Mar. 18.
 Tongs. T. H. Mills. 1,764,221; June 17.
 Tongs. H. F. Smith. 1,747,605; Feb. 18.
 Tongs. D. J. Weeden. 1,764,919; June 17.
 Tongs and stove-lid lifter, Combined coal or clinker. J. E. Wisniewski. 1,778,137; Oct. 14.
 Tongs, Break-out. E. E. Greve. 1,775,343; Sept. 9.
 Tongs, Egg. C. L. Rose. 1,767,553; June 24.
 Tongs, Fish. A. Sargent. 1,767,898; June 24.
 Tongs for poison bait. J. L. Alford, sr. 1,779,761; Oct. 28.
 Tongs for sugar, candy, etc. G. M. Sorensen. 1,749,614; Mar. 4.
 Tongs, Hog. F. W. Welk. 1,759,970; May 27.
 Tongs, Hoisting. W. E. Tornquist. 1,782,326; Nov. 18.
 Tongs, Ice. E. V. Harkness. 1,755,256; Apr. 22.
 Tongs, Multiple-size. R. Adams. Re17,597; Feb. 18.
 Tongs, Nail. D. R. Wilson. 1,787,331; Dec. 30.
 Tongs, Picking. R. C. Hopkins. 1,781,875; Nov. 18.
 Tongs, Positive pipe. R. Ramsay. 1,768,787; July 1.
 Tongs, Stemmer-feeder. W. Smith. 1,776,956; Sept. 30.
 Tongs, Turbine-spinning. E. W. Klug. 1,774,752; Sept. 2.
 Tongue and teeth for dolls' heads. S. Marcus. 1,758,163; May 13.
 Tongue and teeth set for dolls and the like. S. Marcus. 1,744,129; Jan. 21.
 Tongue and teeth set for dolls and the like. S. Marcus. 1,758,164; May 13.
 Tongue extension. E. E. Koch. 1,751,700; Mar. 25.
 Tonnage regulator, Pulp-stock. M. O. Schur. 1,744,145; Jan. 21.
 Tonneau construction. D. B. Good. 1,774,199; Aug. 26.
 Tonometer. B. D. La Force. 1,743,461; Jan. 14.
 Tonsillotome. A. C. Campbell. 1,750,874; Mar. 18.
 Tool. W. Bartels. 1,746,513; Feb. 11.
 Tool. W. F. Clay. 1,787,358; Dec. 30.
 Tool. T. F. Connors. 1,752,064; Mar. 25.
 Tool. G. H. Gilman. 1,771,675; July 29.
 Tool. R. A. Kaplan. 1,768,692; July 1.
 Tool. R. E. McIntosh. 1,769,591; July 1.
 Tool. F. D. Oesterle. 1,764,641; June 17.
 Tool. L. Ottinger. 1,750,121; Mar. 11.
 Tool. R. S. Pearson. 1,747,790; Feb. 18.
 Tool. J. W. Phelps. 1,778,399; Oct. 14.
 Tool. F. L. Stancliff. 1,773,637; Aug. 19.
 Tool. D. M. Thorne. 1,761,998; June 3.
 Tool. E. V. Wills. 1,750,079; Mar. 11.
 Tool, Abrading. J. E. Sims. 1,759,523; May 20.
 Tool, Agricultural. F. H. Kerr. 1,782,690; Nov. 25.
 Tool, Adjusting. G. F. Altice and W. L. Young. 1,753,545; Apr. 8.
 Tool and appliance, Well. N. K. Smith. 1,766,556; June 24.
 Tool and joint, Well. I. Thomas. 1,777,591; Oct. 7.
 Tool and method for removing generators. W. S. Fisher. 1,753,780; Apr. 8.
 Tool and method of flanging, Cutting and flanging. J. Zang. Re17,746; July 22.
 Tool and tire carrier, Combined rim. J. A. Plourde and A. J. Tetreault. 1,756,304; Apr. 29.
 Tool and sample taker, Bailing. J. F. Dornacher. 1,786,152; Dec. 23.
 Tool, Animal catching and holding. W. H. Laub. 1,759,054; May 20.
 Tool applicable to remove refractory screws, Turning. F. R. Rosan. 1,761,156; June 3.
 Tool, Armored-conduit-cutting. I. L. Blake. 1,767,342; June 24.
 Tool attachment, Machine. E. J. Kearney. 1,763,711; June 17.
 Tool, Automatic machine. W. S. Davenport and W. A. Thomas. 1,750,836; Mar. 18.
 Tool, Automatic or other nut-making and like machine. C. G. Garrard. 1,771,534; July 29.
 Tool, Automatic thread-cutting. P. O. Hecht. 1,754,949; Apr. 15.
 Tool, Automobile. G. E. Swanby. 1,784,033; Dec. 9.
 Tool, Automobile electromagnetic specialty. E. M. Barry. 1,772,126; Aug. 5.
 Tool, Auxiliary valve. P. Palmgreen. 1,772,013; Aug. 5.
 Tool, Axial pulling. J. W. Howell. 1,783,649; Dec. 2.
 Tool, Basket-lidding. G. E. Missman. 1,758,052; May 13.
 Tool, Beading. E. W. Stevens. 1,769,002; July 1.
 Tool, Bending. R. C. Paratschek. 1,746,011; Feb. 4.
 Tool, Blocking. H., sr., and J. F. McElwee. 1,770,621; July 15.
 Tool, Boilermaker's. H. A. Lacerda. 1,779,323; Oct. 21.
 Tool, Boring. E. E. Davis. 1,746,381; Feb. 11.
 Tool, Boring. J. S. Stevenson, jr. 1,748,152; Feb. 25.
 Tool box. J. E. Coe. 1,779,159; Oct. 21.
 Tool box. C. R. Fairleigh. 1,755,475; Apr. 22.
 Tool box. A. J. Wells. 1,767,332; June 24.
 Tool, Brake-setting. G. A. Countryman. 1,776,579; Sept. 23.
 Tool, Brick-mason. J. A. Kaufman. 1,764,106; June 17.
 Tool, Broaching. L. C. Blomstrom. 1,770,728; July 15.
 Tool, Bumping-out. W. Ferguson. 1,783,078; Nov. 25.
 Tool, Burning-in. C. F. Allgaier. 1,782,952; Nov. 25.
 Tool, Bushing-removing. P. C. Stephenson. 1,763,331; June 10.
 Tool, Bushing removing and replacing. C. A. Sease. 1,759,285; May 20.
 Tool, Calking or stamping. J. E. Phillips. 1,747,842; Feb. 18.
 Tool carrier. M. Gilmore. 1,755,112; Apr. 15.
 Tool chest, Barber's. F. E. Titcomb. 1,763,488; June 10.
 Tool, Cleaning. H. Cave and C. F. Smith. 1,761,180; June 3.
 Tool, Cleat-forming. C. W. Stransky. 1,749,517; Mar. 4.
 Tool, Clip-applying. G. O. Brandt. 1,751,071; Mar. 18.
 Tool, Coil-bending. A. P. Watts. 1,755,571; Apr. 22.
 Tool, Combination. J. E. Bergman. 1,775,270; Sept. 9.
 Tool, Combination. N. Jenkins. 1,784,488; Dec. 9.
 Tool, Combination. B. R. Ritter. 1,770,182; July 8.
 Tool, Combination. A. Rutquist. 1,780,506; Nov. 4.
 Tool, Combination. J. T. Sweeney. 1,742,225; Jan. 7.
 Tool, Combination. J. T. Sweeney. 1,767,489; June 24.
 Tool, Combination. G. N. Vivenoy. 1,757,029; May 6.
 Tool, Combination. L. Wernicke. 1,772,925; Aug. 12.
 Tool, Combination packer and setting. W. L. Church. 1,776,772; Sept. 30.
 Tool, Combination rod and tubing fishing. C. A. Towne. 1,778,968; Oct. 21.
 Tool combination, Seven-. G. C. McCaskill. 1,770,418; July 15.
 Tool, Combination tap and die fishing. F. J. Hinderliter. 1,751,998; Mar. 25.
 Tool, Combined fishing and swaging. A. B. Watkins. 1,764,481; June 17.
 Tool, Combined lifting and carrying. R. A. Stevenson. 1,783,680; Dec. 2.
 Tool, Combined pipe-cutting and bur-removing. P. P. Kerrigan. 1,758,521; May 13.
 Tool, Compound. C. W. Steele. 1,766,727; June 24.
 Tool, Concrete-form-binding. W. A. Eull and V. R. Mackle. 1,743,811; Jan. 14.

- Tool, Container-top-affixing. E. F. Hulbert. 1,747,440; Feb. 18.
- Tool, Convertible. V. Kalfus. 1,764,513; June 17.
- Tool, Crimping. R. L. Paris. 1,743,475; Jan. 14.
- Tool, Cultivator. E. Calkins and A. Nielsen. 1,758,217; May 13.
- Tool, Cutter. J. Quinn. 1,785,978; Dec. 23.
- Tool, Cutting. H. Jansen. 1,769,433; July 1.
- Tool, Cutting. J. A. Markstrum. 1,766,136; June 24.
- Tool, Cutting. J. E. Ridler. 1,752,653; Apr. 1.
- Tool, Cutting. J. Rife. 1,756,955; May 6.
- Tool, Cutting. W. W. Shoemaker. 1,781,863; Nov. 18.
- Tool, Cutting. E. D. Smith. 1,770,951; July 22.
- Tool, Cutting. G. Van Yahres. 1,743,988; Jan. 14.
- Tool, Cutting. L. A. Wilson. 1,775,380; Sept. 9.
- Tool, Cylinder-grinding. H. C. Heon. 1,774,711; Sept. 2.
- Tool, Cylinder-grinding. F. G. Wacker and H. W. Zimmerman. 1,775,230; Sept. 9.
- Tool, Cylindrical honing. W. F. Emerson. 1,742,466; Jan. 7.
- Tool, Deep-well. C. A. Langstaff. 1,766,177; June 24.
- Tool, Dental. H. E. S. Chayes. 1,745,602; Feb. 4.
- Tool, Dental. J. M. Craigo. 1,780,117; Oct. 28.
- Tool-dislodging device. N. B. Chace. 1,761,181; June 3.
- Tool, Door-straightening. W. S. Bryan. 1,771,287; July 22.
- Tool, Double-sealing. B. Nowland. 1,778,534; Oct. 14.
- Tool-dressing apparatus. C. G. Warren. 1,753,843; Apr. 8.
- Tool, Drilling. J. H. Hollestelle. 1,766,253; June 24.
- Tool, Drilling. W. Sasse. 1,746,716; Feb. 11.
- Tool, Driven-well. L. Steiner and V. Gutmann. 1,747,606; Feb. 18.
- Tool, Electric. L. F. Meunier. 1,743,860; Jan. 14.
- Tool, Electric percussive. C. S. Weyandt. 1,753,454; Apr. 8.
- Tool, Electric welding. J. Endebak. 1,754,353; Apr. 15.
- Tool, Electrically-operated hand. L. G. Bates. 1,772,852; Aug. 12.
- Tool, Expansion boring. C. C. Koeln. 1,768,962; July 1.
- Tool, Extracting. E. Nordstrom. 1,760,433; May 27.
- Tool, Fencing. C. H. Purcell. 1,765,241; June 17.
- Tool, Fender-straightening. S. Nelson. 1,775,968; Sept. 16.
- Tool, Fire-fighting. J. C. Kortick. 1,749,103; Mar. 4.
- Tool, Fishing. M. F. Aloï. 1,754,344; Apr. 15.
- Tool, Fishing. A. G. Baumbach. 1,749,869; Mar. 11.
- Tool, Fishing. G. K. Beckett. 1,761,463; June 3.
- Tool, Fishing. W. J. Bromley. 1,744,722; Jan. 28.
- Tool, Fishing. J. B. Byron. 1,767,741; June 24.
- Tool, Fishing. L. F. Davis. 1,773,962; Aug. 26.
- Tool, Fishing. A. O. Hamblen. 1,748,980; Mar. 4.
- Tool, Fishing. C. P. Harris. 1,786,111; Dec. 23.
- Tool, Fishing. E. A. Hazen. 1,782,613; Nov. 25.
- Tool, Fishing. R. I. Henderson. 1,772,437; Aug. 5.
- Tool, Fishing. W. S. Jones. 1,752,669; Apr. 1.
- Tool, Fishing. W. J. T. Jurey. 1,780,017; Oct. 28.
- Tool, Fishing. W. E. Niles. 1,775,291; Sept. 9.
- Tool, Fishing. J. M. Sauls. 1,754,696; Apr. 15.
- Tool, Fishing. F. J. Spang. 1,752,656; Apr. 1.
- Tool, Fishing. H. A. Young. 1,762,006; June 3.
- Tool, Flexible-handled. F. English. 1,758,504; May 13.
- Tool, Fluid-operated. G. C. Pearson. 1,744,917; Jan. 28.
- Tool, Fluid-operated reciprocating machine. J. L. and A. T. Holman. 1,750,890; Mar. 18.
- Tool, Fluid-pressure. G. M. Nell. 1,760,277; May 27.
- Tool, Fluid-pressure. E. Penberthy. 1,769,036; July 1.
- Tool for applying rail anchors. C. B. Shepherd. 1,746,288; Feb. 11.
- Tool for bolt anchors, Setting. C. C. Tomkinson. 1,746,326; Feb. 11.
- Tool for cleaning commutators. J. Mulder. 1,763,561; June 10.
- Tool for compressing valve springs. A. A. Holsen. 1,753,888; Apr. 8.
- Tool for connecting rods, Reaming. W. Aab. 1,763,917; June 17.
- Tool for corporation stops. E. M. Reedy. 1,777,628; Oct. 7.
- Tool for delivering, separating, and applying roll gold leaf. G. E. Littlefield. 1,775,728; Sept. 16.
- Tool for ditching or dredging machines, Excavating. H. Fischer. 1,763,769; June 17.
- Tool for extracting bushings. J. J. Quint. 1,746,280; Feb. 11.
- Tool for finishing gear teeth. C. H. Schurr. 1,745,344; Jan. 28.
- Tool for form ties, Adjusting. H. H. Lampert. 1,751,823; Mar. 25.
- Tool for gripping armored cables. P. Wiggins. 1,775,335; Sept. 9.
- Tool for holding bushings for valve stems. W. P. Dodge. 1,775,022; Sept. 2.
- Tool for hydraulic boring appliances, Expandable boring. M. A. Kapeluchnikoff. 1,752,092; Mar. 25.
- Tool for manipulating lamp-socket parts. I. Wolarsky. 1,761,510; June 3.
- Tool for measuring the caster of axles. C. H. Phelps. 1,766,306; June 24.
- Tool for milling eye sockets in doll heads. L. J. Grubman. 1,747,897; Feb. 18.
- Tool for milling eye sockets in doll heads. L. J. Grubman. 1,775,393; Sept. 9.
- Tool for milling eye sockets in doll heads and similar hollow structures. L. J. Grubman. 1,747,898; Feb. 18.
- Tool for milling insulated wires. R. M. Martens. 1,743,826; Jan. 14.
- Tool for permanently removing suckers from tobacco plants. W. E. Wall. 1,779,379; Oct. 21.
- Tool for pipe joints, Seaming. A. G. Perkins. 1,743,477; Jan. 14.
- Tool for reaming and fitting valve seats. G. E. Moen. 1,777,047; Sept. 30.
- Tool for refacing valves. L. O. Beard. 1,744,734; Jan. 28.
- Tool for removing bearing races, bushings, and the like. J. W. Howell. 1,778,802; Oct. 21.
- Tool for removing caps from jars. J. Schleinker. 1,750,820; Mar. 18.
- Tool for removing glass and other objects from automobiles. C. O. Williams. 1,751,181; Mar. 18.
- Tool for repairing chains, Bench. W. W. Holcomb. 1,748,128; Feb. 25.
- Tool for scarifying the interior of tubing. E. P. Kerruish. 1,785,905; Dec. 23.
- Tool for sucker rods, Fishing. O. J. Thompson. 1,750,248; Mar. 11.
- Tool for trimming paper. C. E. Galvin. 1,770,690; July 15.
- Tool for use in high-pressure lubricating systems. C. E. Norton. 1,744,793; Jan. 28.
- Tool for use in wells, Holding. C. L. Brewster and W. P. Henry. 1,758,998; May 20.
- Tool for working in earth, rock, metal, wood, and the like. Rotating. O. Rolfsen. 1,773,408; Aug. 19.
- Tool, Fuse-handling. F. H. Roselle. 1,752,575; Apr. 1.
- Tool, Garden. G. R. Bellah. 1,749,271; Mar. 4.
- Tool, Garden. O. M. Bullock. 1,767,119; June 24.
- Tool, Garden. H. Fordyce. 1,770,072; July 8.
- Tool, Garden. A. Pearson. 1,784,108; Dec. 9.
- Tool, Hand. W. A. Bernard. 1,760,627; May 27.
- Tool, Hand. R. W. Hurd. 1,768,604; July 1.
- Tool, Hand. A. Wendt. 1,756,773; Apr. 29.
- Tool handle. H. L. Bassett. 1,785,608; Dec. 16.
- Tool handle. L. A. McConnell. 1,775,044; Sept. 2.
- Tool handle. E. M. Pfauser. 1,764,690; June 17.
- Tool handle, Reinforced safety. E. Cohn. 1,764,677; June 17.
- Tool handles, Wedge for. J. J. Sprunger. 1,786,636; Dec. 30.
- Tool head and fastener. E. F. Nichols. 1,768,138; June 24.
- Tool head, Brush-cutting. C. H. Rich. 1,775,226; Sept. 9.
- Tool head for radial drills. L. C. Cole. 1,759,543; May 20.
- Tool-holding socket. W. R. Paige and J. H. Hanson. 1,753,471; Apr. 8.
- Tool, Hose-clamp-applying. J. Kiviaho. 1,783,123; Nov. 25.
- Tool, Household. W. Johnson. 1,779,170; Oct. 21.
- Tool, Insulating cutting and scraping. G. S. Ott. 1,771,733; July 29.
- Tool, Jewel-setting. S. Helfgott. 1,757,120; May 6.
- Tool, Lapping. R. D. Streby. 1,756,014; Apr. 29.
- Tool, Laundry. J. C. Schofield. 1,757,146; May 6.
- Tool, Layout centering. H. W. Meesel. 1,758,959; May 20.
- Tool, Letting-in. P. H. Mack. 1,749,827; Mar. 11.
- Tool, Logging. O. Magnusson. 1,744,909; Jan. 28.
- Tool, Machine. E. P. Bullard, jr. 1,749,374; Mar. 4.
- Tool, Machine. A. Bussy. 1,765,203; June 17.
- Tool, Machine. W. F. Groene and H. J. Siekmann. 1,744,885; Jan. 28.
- Tool, Machine. A. M. Johnson. 1,782,573; Nov. 25.
- Tool, Machine. J. V. Löf. 1,776,976; Sept. 30.
- Tool, Machine. E. H. Simonsen. 1,761,847; June 3.
- Tool, Machine. A. Trosch. 1,775,006; Sept. 2.
- Tool, Metal-working. H. W. Johnson. 1,778,949; Oct. 21.
- Tool, Mixing. J. Hetherington. 1,766,171; June 24.
- Tool, Mortising. W. M. Knuorek. 1,785,351; Dec. 16.
- Tool, Mortising. L. Ubrin. 1,762,457; June 10.
- Tool, Motor-driven. T. C. Weiss. 1,785,798; Dec. 23.
- Tool, Nailing. J. E. Hoffman. 1,767,926; June 24.
- Tool, Nut-splitting. P. S. Brant and F. Thomas. 1,778,791; Oct. 21.
- Tool, Oil-well fishing. F. J. Hinderliter. 1,763,703; June 17.
- Tool, Oil-well fishing. F. J. Hinderliter. 1,776,028; Sept. 16.
- Tool, Oil-well fishing. W. B. Wigle. 1,766,368; June 24.
- Tool or implement for feeding punch presses and the like. C. H. Harris. 1,743,212; Jan. 14.
- Tool or work clamp, Power-operated. W. Chipperfield. 1,746,886; Feb. 11.
- Tool organization, Machine. E. J. Kearney and J. B. Armitage. 1,782,235; Nov. 18.
- Tool, Package-banding. G. Kool and A. van Duyn. 1,778,530; Oct. 14.
- Tool, particularly a grinding machine, Machine. K. Jung. 1,771,540; July 29.
- Tool, Percussive. G. H. Gilman. 1,756,190; Apr. 29.
- Tool, Percussive. W. A. Smith, sr., J. I. Hulshiber, and G. H. Fuehrer. 1,779,645; Oct. 28.
- Tool, Percussive. J. Smrdel. 1,774,905; Sept. 2.
- Tool, Pipe bending. A. B. Allen. 1,752,220; Mar. 25.
- Tool, Pipe-bending. J. F. Heer. 1,767,362; June 24.
- Tool, Pipe-cutting. R. O. Pickin. 1,772,085; Aug. 5.
- Tool, Pile driving. L. L. Richardson. 1,783,523; Dec. 2.
- Tool, Pipe-flanging. C. A. McGough. 1,754,637; Apr. 15.
- Tool, Pipe-tightening. J. F. Heer. 1,777,084; Sept. 30.
- Tool, Piston-ring. J. H. Moen. 1,774,561; Sept. 2.
- Tool, Plaster-scoring. E. J. Benson. 1,760,107; May 27.
- Tool, Plugging. H. Lentulo. 1,771,182; July 22.

- Tool, Portable. J. M. Crowe. 1,780,173; Nov. 4.
Tool, Pneumatic. C. E. Southerland. 1,746,617; Feb. 11.
Tool, Pneumatic cleaning. F. Luckensmeier. 1,782,308; Nov. 18.
Tool, Pneumatic cleaning. I. H. Spencer. 1,752,034; Mar. 25.
Tool, Portable bit-dressing. C. H. Bergquist. 1,745,143; Jan. 28.
Tool, Portable boring. C. Zigenheim. 1,759,726; May 20.
Tool, Portable grinding. E. A. Hall. 1,760,493; May 27.
Tool, Portable grinding. E. S. McGonegal. 1,756,949; May 6.
Tool, Power. L. I. Browne. 1,754,348; Apr. 15.
Tool, Pressure-applying. E. J. Burger and A. H. Carey. 1,758,781; May 13.
Tool rack. D. L. Van Meter and B. A. Triesch. 1,748,259; Feb. 25.
Tool rack, Shop. M. Russian. 1,743,570; Jan. 14.
Tool, Radius. J. W. Parker. 1,755,152; Apr. 15.
Tool, Reborring. A. T. Green. 1,784,876; Feb. 25.
Tool, Recessing. J. H. Abramson. 1,753,103; Apr. 1.
Tool, Renewable head. J. G. Salazar. 1,781,344; Nov. 11.
Tool retainer. H. C. Gustafson. 1,766,511; June 24.
Tool retainer. W. G. Naismith. 1,747,985; Feb. 18.
Tool retainer. W. G. Naismith. 1,776,922; Sept. 30.
Tool retainer. G. C. Pearson. 1,753,249; Apr. 8.
Tool retainer. E. W. Stevens. 1,757,444; May 6.
Tool retainer for pneumatic tools. W. F. Zimmermann. 1,787,229; Dec. 30.
Tool-retaining coupling. E. W. Stevens. 1,787,178; Dec. 30.
Tool-retaining device. M. J. Schlitters, jr., and S. Imerman. 1,784,911; Dec. 16.
Tool, Rim. J. G. Gordon. 1,773,780; Aug. 26.
Tool, Rim. F. C. Hebert. 1,757,427; May 6.
Tool, Rim. J. Otti. 1,772,363; Aug. 5.
Tool, Rim. J. A. Patterson. 1,771,860; July 29.
Tool, Rim. C. F. Rubsam. 1,770,015; July 8.
Tool, Rim-collapsing. J. G. Swain and M. W. Mitchell. 1,757,752; May 6.
Tool, Ring. H. M. Bramberry. 1,764,146; June 17.
Tool, Rock-cutting. O. Rolfsen. 1,753,969; Apr. 8.
Tool, Rod-bending. C. G. Fillmore. 1,749,476; Mar. 4.
Tool, Rotary motor. J. J. N. Van Hamersveld. 1,759,473; May 20.
Tool, Rotary well-drilling. C. B. Kennedye. 1,786,414; Dec. 23.
Tool, Run-repairing multiple-needle hand. W. H. Leavin. 1,756,294; Apr. 29.
Tool, Saw-tensioning. F. W. Bernero. 1,776,463; Sept. 23.
Tool, Sealing. R. E. Westphal. 1,784,213; Dec. 9.
Tool, Seating and unseating. E. Turgeon. 1,743,505; Jan. 14.
Tool-securing device. F. L. Hurd and C. B. Tibbetts. 1,783,961; Dec. 9.
Tool, Shaping. W. Ruthven. 1,752,507; Apr. 1.
Tool, Sheet-metal bumping-out. W. Ferguson. 1,754,994; Apr. 15.
Tool, Sheet-metal bumping-out. W. Ferguson. 1,767,659; June 24.
Tool, Sheet-metal-bumping-out. W. Ferguson. 1,783,077; Nov. 25.
Tool, Sheet-metal-working. C. McCurley. 1,764,457; June 17.
Tool, Shore-adjusting. G. B. Bosco. 1,756,173; Apr. 29.
Tool, Socket-wrench. E. H. Peterson and N. F. McNaught. 1,744,413; Jan. 21.
Tool, Soldering. S. Baracate. 1,754,382; Apr. 15.
Tool, Splicing-clamp. F. B. Stoner. 1,779,053; Oct. 21.
Tool, Split-rim operating. E. K. Baker. 1,742,373; Jan. 7.
Tool, Stitch-removing. A. Ruskowsky. 1,747,845; Feb. 18.
Tool stop mechanism, Machine-. W. Schroder. 1,768,495; June 24.
Tool, Striking or hammering. E. H. W. Weibull. 1,753,910; Apr. 8.
Tool, Striping. V. M. Dirkes and G. L. Terna. 1,749,326; Mar. 4.
Tool, Swinging-cutter cutting-off. A. L. Segelhorst. 1,767,018; June 24.
Tool, Terminal. J. B. Broughton. 1,773,945; Aug. 26.
Tool, Threading. S. H. Osgood. 1,779,074; Oct. 21.
Tool, Tire. A. P. Blaesser. 1,776,804; Sept. 30.
Tool, Tire. J. W. Cox and E. A. Randall. 1,768,032; June 24.
Tool, Tire. J. L. Husak. 1,759,849; May 27.
Tool, Tire-building. C. J. Merz. 1,751,873; Mar. 25.
Tool, Tire-repairing. N. A. Plummer. 1,778,686; Oct. 14.
Tool, Tire-rim. J. H. Huffman. 1,767,365; June 24.
Tool, Trip casing spear oil-well rotary fishing. P. C. Corey. 1,765,864; June 24.
Tool, Tube-facing. W. van Ee and A. H. Watson. 1,751,776; Mar. 25.
Tool, Twisting. C. F. Bailey. 1,760,468; May 27.
Tool, Universal and automatic machine. M. and A. Schwob. 1,744,809; Jan. 28.
Tool, Universal valve seating and counter-boring. E. P. Campbell. 1,761,326; June 3.
Tool, Vacuum fishing. E. F. Salveson. 1,777,581; Oct. 7.
Tool, Valve. F. M. Daniels. 1,757,006; May 6.
Tool, Valve. J. C. Stribling. 1,760,725; May 27.
Tool, Valve-bag closing and sealing. A. L. Currier. 1,754,462; Apr. 15.
Tool, Valve-lifting. A. Kaufman. 1,786,715; Dec. 30.
Tool, Valve-reaming. G. E. Moen. 1,781,338; Nov. 11.
Tool, Valve-reseating. M. B. Skinner. 1,763,330; June 10.
Tool, Valve-spring-lifting. A. L. Mettler. 1,764,519; June 17.
Tool, Valve-stem lock-replacing. I. J. Clark. 1,779,306; Oct. 21.
Tool, Variable-stroke. H. C. Gustafson. 1,774,266; Aug. 26.
Tool, Wax-applying. A. E. Kenyon. 1,767,079; June 24.
Tool, Weeding. A. Roesch and J. Roettinger. 1,785,531; Dec. 16.
Tool, Well. A. F. Brown. 1,751,789; Mar. 25.
Tool, Well. L. S. Hamer and J. Q. Little. 1,780,482; Nov. 4.
Tool, Well. A. A. Helmecke. 1,781,903; Nov. 18.
Tool, Well. W. A. Vock and A. C. Towne. 1,757,064; May 6.
Tool, Well-drilling. C. E. Brinton. 1,781,049; Nov. 11.
Tool, Well-drilling. C. B. Kennedye. 1,786,413; Dec. 23.
Tool, Well-drilling. C. B. Kennedye. 1,786,415; Dec. 23.
Tool, Well fishing. L. E. Davis. 1,785,299; Dec. 16.
Tool, Well-testing. W. O. Daniels. 1,745,833; Feb. 4.
Tool, Wire-splicing. H. G. Barsch. 1,747,812; Feb. 18.
Tool, Wire-strapping. M. H. Stratton. 1,776,868; Sept. 30.
Tool, Wire-stretching. E. H. Miller. 1,775,207; Sept. 9.
Tool, Wire-tying. R. H. Hambly. 1,779,733; Oct. 28.
Tool, Wireworking. A. O'Brien. 1,773,058; Aug. 12.
Tool with radial cage, cutter, and guide. Trepan. E. Williams. 1,780,325; Nov. 4.
Tool, Woodworker's. J. E. Clement. 1,756,851; Apr. 29.
Tool, Woodworking. E. H. St. Onge. 1,770,557; July 15.
Tool, Writing. C. F. Doeblner. 1,756,242; Apr. 29.
Tools and the like, Attachment for fishing. M. S. Black. 1,777,481; Oct. 7.
Tools and the like from materials such as carbides, the alloys thereof, and the like, Manufacture of bodies for. K. Schröter and H. Wolf. 1,757,846; May 6.
Tools, Attachment for machine. T. Trecker and J. B. Armitage. 1,750,373; Mar. 11.
Tools, Combined guide and supporting bracket for valve-boring. A. T. Green. 1,748,877; Feb. 25.
Tools, Cross-slide carriage for machine. J. L. Bayer. 1,779,527; Oct. 28.
Tools, Cutting. H. Klopstock. 1,756,516; Apr. 29.
Tools, Device for holding cutting. H. E. Elliott. 1,776,281; Sept. 23.
Tools, Feed finger for machine. J. R. O'Connell. 1,756,258; Apr. 29.
Tools, Feeding device for machine. K. Tessky. 1,786,876; Dec. 30.
Tools for turning and boring spherical surfaces, Attachment for machine. J. J. N. Van Hamersveld, W. C. De Graff, and L. M. Cole. 1,744,252; Jan. 21.
Tools, Front head for pneumatic. J. H. Jowett. 1,784,012; Dec. 9.
Tools, Grinding relief on. E. Wildhaber. 1,778,541; Oct. 14.
Tools, Guarding and guiding attachment for. S. F. Short. 1,782,448; Nov. 25.
Tools, Guide for broaching. C. C. Hansen. 1,742,765; Jan. 7.
Tools, Guide wheel for woodworking. A. Wikstrom. 1,753,959; Apr. 8.
Tools, Hammer head for rotating rock-cutting. O. Rolfsen. 1,753,970; Apr. 8.
Tools, Implement retainer for pneumatic. R. O. Allen. 1,759,562; May 20.
Tools, Jaw chuck for machine. W. Berg. 1,766,276; June 24.
Tools, Making metal-working. E. F. Smith. 1,761,755; June 3.
Tools, Making multiple diameter-cut. D. W. Klein. 1,747,117; Feb. 11.
Tools, Making stone-planer. W. F. Bromm. 1,758,780; May 13.
Tools, Safety attachment for machine. O. L. Klugh and T. E. Haverstick. 1,783,476; Dec. 2.
Tools switch, Motor-driven-. T. C. Weiss. 1,751,781; Mar. 25.
Tools, Taper turning or boring mechanism for machine. J. L. Bayer and J. J. N. Van Hamersveld. 1,763,745; June 17.
Tools, Way-guard construction for machine. J. J. N. Van Hamersveld. 1,779,520; Oct. 28.
Tools, Work-positioning mechanism for machine. J. C. and R. D. Shaw. 1,757,929; May 6.
Tools, Zeroizing scale for work-positioning mechanism for machine. J. C. and R. D. Shaw. 1,785,395; Dec. 16.
Tooth and interlocking key, Biproximal. F. E. Burden. 1,753,644; Apr. 8.
Tooth, Artificial. F. H. Grant. 1,744,042; Jan. 21.
Tooth, Artificial. S. Myerson. 1,752,538; Apr. 1.
Tooth, Artificial. F. S. Trusler. 1,784,322; Dec. 9.
Tooth, Artificial. A. E. Vongunten. 1,781,908; Nov. 18.
Tooth, Artificial porcelain-root. J. H. Moyer. 1,780,979; Nov. 11.
Toothbrush. G. O. Burlew. 1,770,195; July 8.
Toothbrush. T. Christian. 1,780,066; Oct. 28.
Toothbrush. S. Czencz. 1,776,312; Sept. 23.
Toothbrush. S. Eisenberg. 1,784,986; Dec. 16.
Toothbrush. L. O. Graves. 1,753,290; Apr. 8.
Toothbrush. R. G. Hawksley. 1,776,808; Sept. 30.
Toothbrush. C. F. Healy. 1,773,041; Aug. 12.

- Toothbrush. E. R. Hoff. 1,742,596; Jan. 7.
 Toothbrush. R. B. Kingman. 1,744,271; Jan. 21.
 Toothbrush. P. Lee. 1,746,784; Feb. 11.
 Toothbrush. C. M. McArthur. 1,783,151; Nov. 25.
 Toothbrush. R. R. Myers. 1,753,385; Apr. 8.
 Toothbrush. P. J. Noel. 1,748,895; Feb. 25.
 Toothbrush. R. E. Rawson. 1,752,393; Apr. 1.
 Toothbrush. S. Tolmach. 1,779,057; Oct. 21.
 Toothbrush. G. R. Weisz. 1,750,500; Mar. 11.
 Toothbrush, Fountain. W. P. Weber. 1,768,301; June 24.
 Toothbrush-marking machine. D. S. Dyas. 1,746,229; Feb. 4.
 Toothbrush, Rotary. C. McLellan. 1,774,031; Aug. 26.
 Toothbrush sterilizer, toothbrush and tooth-paste-tube holder, Combination. C. W. Berger. 1,746,815; Feb. 11.
 Tooth clamp. L. Haller. 1,785,624; Dec. 16.
 Tooth-cleaning device. C. C. Wahl. 1,759,075; May 20.
 Tooth-contact device, Resilient. G. R. De Nise. 1,747,351; Feb. 18.
 Tooth display. J. A. Pommer. 1,771,271; July 22.
 Tooth, False. D. Zaslove. 1,743,873; Jan. 14.
 Tooth mounting, Spring-. R. Bradshaw. 1,743,592; Jan. 14.
 Toothpick. G. H. Heymann and E. D. Rose. 1,746,591; Feb. 11.
 Tooth structure, Artificial-. W. M. Floyd. 1,742,310; Jan. 7.
 Toothed articles, Grinding. F. J. Lanborn. 1,753,707; Apr. 8.
 Top. M. Alland. 1,780,547; Nov. 4.
 Top. R. C. Colwell. 1,772,208; Aug. 5.
 Top and bottom box, Collapsible extension. R. A. Gross. 1,758,511; May 13.
 Top and dice game, Arithmetical. V. D. Brittingham. 1,750,620; Mar. 18.
 Top and means for spinning same. F. Dochnal. 1,771,489; July 29.
 Top, Automobile. R. W. Bulkeley. 1,765,714; June 24.
 Top, Baby-carriage. J. A. Hewitt. 1,758,112; May 13.
 Top bracket. S. R. Lawton. 1,768,364; June 24.
 Top, Collapsible. W. A. Hourd. 1,754,235; Apr. 15.
 Top, Convertible automobile. B. B. Ellerbeck. 1,784,279; Dec. 9.
 Top, Detachable vehicle. H. Stacks. 1,753,031; Apr. 1.
 Top for bottled carbonated liquids, Dispensing. J. A. Murdock. 1,759,459; May 20.
 Top, Folding. J. Boca. 1,784,779; Dec. 9.
 Top for box cars, Hinged. B. B. Campbell. 1,747,423; Feb. 18.
 Top for containers, Sprinkler. C. P. Cook. 1,756,422; Apr. 29.
 Top for furniture. P. Bergmann. 1,770,293; July 8.
 Top for gas stoves, Auxiliary. G. G. Glenn. 1,753,886; Apr. 8.
 Top for percolators. W. G. Billerman. 1,756,449; Apr. 29.
 Top for smokers' stands. H. Dalton. Des. 82,603; Nov. 25.
 Top for type cabinets, Adjustable. M. W. Haynes. 1,753,048; Apr. 1.
 Top for vehicles and the like. F. K. Lewis. 1,758,195; May 13.
 Top gauge mechanism for fastener-setting machines. G. W. Jacques. 1,767,074; June 24.
 Top, Hot. A. R. Rowe. 1,761,494; June 3.
 Top-lift-trimming machine. F. H. Hummel. 1,774,887; Sept. 2.
 Top, Motor-vehicle. F. A. Selje. 1,748,736; Feb. 25.
 Top, Novelty. V. O. Raimondi. 1,783,627; Dec. 2.
 Top of electric ranges, Cooking. F. W. Moffat. 1,758,579; May 13.
 Top, Pulling hand. C. D. Bell. 1,784,684; Dec. 9.
 Top, Rumble-seat. O. Altenbach. 1,760,334; May 27.
 Top, Rumble-seat. L. A. Baum. 1,759,932; May 27.
 Top, Rumble-seat. W. H. Clark. 1,778,584; Oct. 14.
 Top, Rumble-seat. J. N. Wiener and H. Aretsky. 1,748,031; Feb. 18.
 Top-sealing process. A. J. Weiss. 1,756,409; Apr. 29.
 Top-securing means for baskets. R. A. Dennison. 1,765,301; June 17.
 Top, Set-off vehicle. W. F. Kasper and E. J. McKernan. 1,751,924; Mar. 25.
 Top, table. E. W. Bonfield. 1,750,256; Mar. 11.
 Top, Table. W. C. Rastetter. 1,761,585; June 3.
 Top, Vehicle. E. A. Wright. 1,759,250; May 20.
 Top, Whipping. H. Vollhardt. 1,783,593; Dec. 2.
 Tops, Apparatus for forming manhole. W. F. Stuewe. 1,757,552; May 6.
 Topper, Beet. C. A. J. Andersen. 1,752,285; Apr. 1.
 Torch. P. M. Forster. 1,782,872; Nov. 25.
 Torch, Alcohol. J. M. Imfield. 1,772,254; Aug. 5.
 Torch apparatus and carton-sealing machine. J. L. Anderson. 1,752,139; Mar. 25.
 Torch, Cutting. F. A. Ost. 1,745,115; Jan. 28.
 Torch, Cutting and welding. A. F. Jenkins. 1,784,964; Dec. 16.
 Torch, Hydrocarbon. W. L. Richardson. 1,755,664; Apr. 22.
 Torch, Liquid-fuel. T. C. Wilson and R. J. Petty. 1,773,418; Aug. 19.
 Torch, Soldering. G. E. Jubb and E. B. Libby. 1,771,334; July 22.
 Torch structure. C. F. Lambert. 1,750,846; Mar. 18.
 Torch, Welding. A. Krebs. 1,755,882; Apr. 22.
 Torch, Welding. J. Nagy. 1,758,054; May 13.
 Torches, Auxiliary jet cutting tip for cutting. C. J. Coblerly. 1,751,191; Mar. 18.
 Toroidal inductance device. E. C. Hagemann. 1,784,833; Dec. 16.
 Torpedo and making same. M. Rutter and E. E. Lechler. 1,760,004; May 27.
 Torpedo-firing operations, Method and apparatus for. C. L. Florisson. 1,782,294; Nov. 18.
 Torpedoes and the like, Safety manufacturing and packaging. G. J. J. Clark. 1,744,751; Jan. 28.
 Torpedoes from single-pontoon seaplanes, Launching. V. J. Burnelli. 1,774,471; Aug. 26.
 Torpedoes, Lateral stabilization for. J. H. Hammond, jr. 1,772,348; Aug. 5.
 Torpedoes, Making track. H. W. Kelly. 1,774,925; Sept. 2.
 Torpedoes, Method and apparatus for directing. L. Marmonier. 1,755,125; Apr. 15.
 Torpedoes, Spring clip for railway signal. T. B. Dutcher. 1,754,150; Apr. 8.
 Torque brake. A. W. Harrison. 1,786,996; Dec. 30.
 Torque converter. W. Hurlburt. 1,754,893; Apr. 15.
 Torque cushioning mechanism. G. C. Carhart. 1,749,315; Mar. 4.
 Torque-impulse multiplier. G. B. Coleman. 1,785,338; Dec. 16.
 Torque transmitter. L. M. Karnasch. 1,764,266; June 17.
 Torque-transmitting mechanism, Intermittently-operating. R. L. Loomis. 1,742,918; Jan. 7.
 Torsion balance. M. Dunbar. 1,773,032; Aug. 12.
 Torsion balance for gravitational measurements. K. Kilchling. 1,774,516; Sept. 2.
 Torsion balance for measuring the gravitation. W. Schweydar. 1,747,651; Feb. 18.
 Torsion meter. L. G. P. Thring. 1,781,560; Nov. 11.
 Tortilla-forming machine. L. Romero. 1,763,445; June 10.
 Tourniquet. W. E. Hatch. 1,743,452; Jan. 14.
 Tourniquet. W. A. Owen. 1,771,689; July 29.
 Towel and producing the same, Paper. G. A. Richter, M. O. Schur, and R. H. Rasch. 1,745,557; Feb. 4.
 Towel bar. V. E. Starner. 1,775,919; Sept. 16.
 Towel bar, Vitrous. E. W. Koering. 1,773,586; Aug. 19.
 Towel, Combination bath. P. Heiberg. 1,749,100; Mar. 4.
 Towel machine. E. E. and W. S. Shelley. 1,769,238; July 1.
 Towel rack. F. Jacobs. 1,748,228; Feb. 25.
 Towel rack. W. S. Monroe. 1,759,319; May 20.
 Towel rack. W. B. Stephenson. 1,757,981; May 13.
 Towel rack. S. Weis. 1,769,326; July 1.
 Towel rack, Swinging-arm. C. A. Mosgrove. 1,782,828; Nov. 25.
 Towel, Sanitary manicuring. L. Grom. 1,755,113; Apr. 15.
 Towel stand, Closed-back. F. M. Steiner and G. Olson. 1,765,504; June 24.
 Tower anchorage. R. W. Luippold. 1,777,469; Oct. 7.
 Tower, Bubble. W. E. Teter. 1,748,855; Feb. 25.
 Tower, Cooling. R. O. Anderson, U. S. Rudy, and B. M. Gessel. 1,785,572; Dec. 16.
 Tower, Fractionating. J. C. Black. 1,776,061; Sept. 16.
 Tower grid, Bubble. L. E. Winkler and F. C. Koch. 1,774,581; Sept. 2.
 Tower, Service. C. J. Stirdivant. 1,758,131; May 13.
 Tower, Spray-cooling. C. R. Kranz. 1,780,020; Oct. 28.
 Towing bar. F. Ayler. 1,768,304; June 24.
 Towing bar. E. C. Molitor. 1,745,702; Feb. 4.
 Towing block. R. F. Symonds. 1,758,722; May 13.
 Towing dolly. L. D. Nilson. 1,764,971; June 17.
 Towing hitch. E. Swick. 1,786,093; Dec. 23.
 Towing mechanism. E. F. Green. 1,783,189; Dec. 2.
 Towing, mooring, and the like, Apparatus for. R. H. Rogers. 1,768,295; June 24.
 Towing, mooring, and the like, Apparatus for. R. H. Rogers. 1,768,420; June 24.
 Towline. M. L. Harris. 1,772,420; Aug. 5.
 Towline device. E. C. Gignac. 1,771,082; July 22.
 Toy. R. E. Andrew. 1,759,181; May 20.
 Toy. V. Aznak and V. Bodourian. 1,776,964; Sept. 30.
 Toy. H. S. Barnes. 1,767,503; June 24.
 Toy. A. A. Bissiri. 1,771,991; Aug. 5.
 Toy. M. O. Bland. 1,755,346; Apr. 22.
 Toy. R. H. Brown. 1,757,002; May 6.
 Toy. J. H. Buhrie. 1,765,258; June 17.
 Toy. F. M. Buschor and L. E. Hierholzer. 1,769,488; July 1.
 Toy. J. A. Colbert. 1,766,282; June 24.
 Toy. J. T. Cooney. 1,762,051; June 3.
 Toy. M. Cramer. Des. 82,315; Oct. 21.
 Toy. N. Deakides. Des. 82,801; Dec. 16.
 Toy. H. O. Drotning. 1,752,978; Apr. 1.
 Toy. M. O. Fixen. 1,762,620; June 10.
 Toy. H. R. Fonda. 1,773,617; Aug. 19.
 Toy. A. R. Fuchs. 1,772,890; Aug. 12.
 Toy. J. V. Giesler. Des. 81,328; June 10.
 Toy. J. V. Giesler. Des. 81,578-9; July 15.
 Toy. T. J. Goodrum. 1,778,384; Oct. 14.
 Toy. B. Gordon. 1,771,920; July 29.
 Toy. F. J. Goriup. 1,754,823; Apr. 15.
 Toy. A. J. Graf. 1,744,544; Jan. 21.
 Toy. R. Guyot. 1,780,385; Nov. 4.
 Toy. C. F. Hanselmann. 1,772,394; Aug. 5.
 Toy. H. W. Hepner. 1,753,926; Apr. 8.

- Toy. D. G. Kelly. 1,744,904; Jan. 28.
 Toy. J. E. Kline. 1,784,692; Dec. 9.
 Toy. E. P. Lehmann and K. Rupp. 1,781,333; Nov. 11.
 Toy. A. T. Linney. Des. 81,012; Apr. 22.
 Toy. W. M. Lister. 1,754,564; Apr. 15.
 Toy. S. L. Long. 1,774,280; Aug. 26.
 Toy. L. Marx. 1,782,786; Nov. 25.
 Toy. L. Marx. 1,783,511; Dec. 2.
 Toy. J. F. McIntosh. 1,745,434; Feb. 4.
 Toy. F. McKaie. 1,765,238; June 17.
 Toy. E. S. Miles. Des. 80,904; Apr. 8.
 Toy. R. E. Morgan. 1,769,450; July 1.
 Toy. J. R. Muhn. Des. 81,841; Aug. 19.
 Toy. J. Perkins. 1,763,903; June 17.
 Toy. G. Reich and H. R. Le Grand. 1,764,982; June 17.
 Toy. T. Reiss. 1,765,701; June 24.
 Toy. J. W. Richter. 1,745,232; Jan. 28.
 Toy. A. L. Romero. 1,779,620; Oct. 28.
 Toy. A. W. Salo. 1,747,487; Feb. 18.
 Toy. J. Skibinski. 1,777,703; Oct. 7.
 Toy. B. and B. Squier. 1,753,320; Apr. 8.
 Toy. A. S. Toth. 1,742,737; Jan. 7.
 Toy. G. Trumpf. Des. 80,759; Mar. 18.
 Toy. J. Van Eerde. 1,777,940; Oct. 7.
 Toy. C. Westerlund. 1,755,619; Apr. 22.
 Toy. R. B. Weimer. 1,755,161; Apr. 15.
 Toy. W. A. Wilcox. 1,766,008; June 24.
 Toy. W. R. Williams. 1,780,855; Nov. 4.
 Toy. W. D. Wood. 1,769,327; July 1.
 Toy, Aerial. H. B. Faber and L. L. Driggs, jr. 1,785,770; Dec. 23.
 Toy aeroplane. J. Chluda. 1,771,397; July 29.
 Toy aeroplane. J. R. Harris. 1,776,222; Sept. 16.
 Toy aeroplane. W. L. Holcombe. 1,745,300; Jan. 28.
 Toy aeroplane. F. J. Mee. 1,767,769; June 24.
 Toy aeroplane. J. C. Reeder. 1,779,333; Oct. 21.
 Toy aeroplane. F. S. Rimer. 1,784,946; Dec. 16.
 Toy aeroplane. J. L. Rubel. Des. 80,331; Jan. 14.
 Toy aeroplane. J. M. Schutte. 1,756,564; Jan. 14.
 Toy aeroplane. W. T. Welch. 1,778,699; Oct. 14.
 Toy aircraft, Straddleboard. F. A. Berg. 1,744,860; Jan. 28.
 Toy, Air-operated. J. M. Abrams. 1,756,050; Apr. 29.
 Toy airplane. T. A. Hodgdon. 1,758,399; May 13.
 Toy airplane. H. L. Kraeft. 1,772,256; Aug. 5.
 Toy airplane. W. Kramer. 1,782,385; Nov. 18.
 Toy airplane. A. Leach. 1,748,421; Feb. 25.
 Toy airplane. J. H. Pennick. 1,775,252; Sept. 9.
 Toy airplane. E. A. Wright. Des. 82,235; Oct. 7.
 Toy, Airplane headgear. A. F. Wittekind. 1,776,175; Sept. 16.
 Toy airplane landing gear. H. T. Kingsbury. 1,784,730; Dec. 9.
 Toy airship. F. J. McBride. 1,765,435; June 24.
 Toy and display device, Educational. C. and C. D. Fisher. 1,785,442; Dec. 16.
 Toy animal. H. S. Hitchcock. 1,756,555; Apr. 29.
 Toy animal. J. S. Hooks. Des. 81,646; July 22.
 Toy animal. W. R. Howell. Des. 81,192; May 20.
 Toy animal. E. S. Mooney. 1,761,143; June 3.
 Toy animal. A. E. Woolnought. Des. 80,299; Jan. 7.
 Toy, Animated. H. E. Price. 1,782,477; Nov. 25.
 Toy, Aquatic. G. B. Ely. 1,743,333; Jan. 14.
 Toy axle stamping and cutting machine. C. A. Wood. 1,753,978; Apr. 8.
 Toy, Balloon. J. F. Mulholland. 1,773,315; Aug. 19.
 Toy balloon. A. P. Witten. 1,762,603; June 10.
 Toy bellows and reed. E. Bocchino. 1,769,251; July 1.
 Toy bird. V. V. Kunkel. 1,782,042; Nov. 18.
 Toy block. S. W. Strouse. Des. 81,117; May 6.
 Toy boat, Automotive. J. D. Van Vliet. 1,770,248; July 8.
 Toy bomber, Aircraft. F. A. Berg. 1,783,949; Dec. 9.
 Toy box wagon. M. M. Goldberg. 1,757,243; May 6.
 Toy bridge. H. Jade. 1,750,519; Mar. 11.
 Toy builder. O. E. Main and L. L. Smelser. 1,746,839; Feb. 11.
 Toy, Building. D. F. Greene. 1,771,783; July 29.
 Toy building construction. A. C. Gilbert. 1,758,887; May 13.
 Toy building construction. A. C. Gilbert. 1,763,300; June 10.
 Toy building structure. A. C. Friedel. 1,742,905; Jan. 7.
 Toy cannon. C. C. Blackmore. 1,765,561; June 24.
 Toy climbing tractor. L. T. Savage. Des. 81,352; June 10.
 Toy, Combination. J. P. Bauer. 1,765,645-6; June 24.
 Toy, Confection musical. H. A. Myers. 1,759,953; May 27.
 Toy, Construction. A. C. Gilbert. 1,763,302; June 10.
 Toy, Construction. A. C. Gilbert. 1,777,667; Oct. 7.
 Toy construction. H. L. Kraeft. 1,784,634; Dec. 9.
 Toy construction, Sheet-metal. H. L. Kraeft. 1,764,732; June 17.
 Toy construction, Sheet-metal. H. L. Kraeft. 1,784,633; Dec. 9.
 Toy, Convertible vehicle. F. A. Lundahl. 1,775,251; Sept. 9.
 Toy, Dancing. B. P. Merwin. 1,763,004; June 10.
 Toy dog. R. Firth. Des. 80,559; Feb. 18.
 Toy dog. J. L. Kallus. Des. 80,767; Mar. 18.
 Toy dog team and sled. J. E. Davis. Des. 82,489; Nov. 11.
 Toy dump cart. F. A. Lundahl. 1,758,755; May 13.
 Toy, Electric. A. L. Macklin. 1,753,127; Apr. 1.
 Toy electric crane. G. L. Sherwood. 1,745,276; Jan. 28.
 Toy electric locomotive. H. E. Morton. 1,766,185; June 24.
 Toy electric locomotives, Motor control for. F. Mize. 1,757,676; May 6.
 Toy electric motor. C. T. Hoffman. 1,760,498; May 27.
 Toy electric railroads, Track switch for. H. S. Becker. 1,783,069; Nov. 25.
 Toy, Electrical. L. Caruso. 1,781,537; Nov. 11.
 Toy, Electrical. M. L. Jurgensen. 1,780,487; Nov. 4.
 Toy electrically-operated shovel. A. P. Williams. 1,780,806; Nov. 4.
 Toy elevator. E. A. Stillman. 1,770,018; July 8.
 Toy fence, Electric. J. P. Schrey. 1,754,123; Apr. 8.
 Toy fighting plane. C. S. Beebe. 1,753,681; Apr. 8.
 Toy, Figure. H. S. Barnes. 1,774,785; Sept. 2.
 Toy figure. H. A. Gifford. Des. 81,580; July 15.
 Toy figure. B. B. Trosper. 1,751,773; Mar. 25.
 Toy figure. P. M. Weamer. Des. 80,979-85; Apr. 15.
 Toy, Figure. A. J. Wilson. 1,773,834; Aug. 26.
 Toy, Figure wheeled. F. M. Mulligan. 1,781,471; Nov. 11.
 Toy, Figure wheeled. J. G. Sessler. 1,746,056; Feb. 4.
 Toy figures, Making. V. Keney. 1,783,720; Dec. 2.
 Toy gas cannon. M. F. Grimm. 1,757,523; May 6.
 Toy glider. E. B. Wilder, B. B. Baker, and W. Wilder. Des. 80,987-8; Apr. 15.
 Toy grasshopper. R. A. Blake. 1,783,996; Dec. 9.
 Toy gun. W. E. Arndt and F. W. Clement. 1,774,346; Aug. 26.
 Toy gun. L. V. Aronson. 1,755,142; Apr. 15.
 Toy gun. E. A. Christoph. 1,768,117; June 24.
 Toy gun. J. B. Fisher. 1,748,215; Feb. 25.
 Toy gun. A. T. Linney. Des. 81,059; Apr. 29.
 Toy gun. J. T. Waite. 1,779,507; Oct. 28.
 Toy hand car. F. A. Lundahl. Des. 82,334; Oct. 21.
 Toy handkerchief case and purse. S. A. Campbell and L. I. Van Buskirk. 1,759,974; May 27.
 Toy, Helicopter. P. M. C. Frohwerk. 1,775,756; Sept. 16.
 Toy horse. D. E. Foltz. 1,759,740; May 20.
 Toy house. J. H. Frier, jr. 1,758,314; May 13.
 Toy house. A. Thompson. 1,756,526; Apr. 29.
 Toy locomotive. M. Caruso. 1,774,128; Aug. 26.
 Toy locomotive wheel. J. T. Galligan. 1,754,995; Apr. 15.
 Toy machine gun. A. M. Goodloe. 1,759,304; May 20.
 Toy machine gun. M. R. Pattison. Des. 80,907; Apr. 8.
 Toy, Mechanical. S. Berger. 1,742,844; Jan. 7.
 Toy, Mechanical. S. I. Berger. 1,771,243; July 22.
 Toy, Mechanical. J. Bulkowski. 1,781,804; Nov. 18.
 Toy, Mechanical. E. D. Fox. 1,762,574; June 10.
 Toy, Mechanical. C. Katagiri. 1,780,557; Nov. 4.
 Toy, Mechanical. G. Mazigian. 1,763,804; June 17.
 Toy, Mechanical. F. B. Rentz. 1,758,061; May 13.
 Toy, Mechanical. M. E. Simmons. 1,776,640; Sept. 23.
 Toy, Mechanical. J. W. Thompson. 1,754,916; Apr. 15.
 Toy, Mechanical. J. L. Whatley. 1,779,349; Oct. 21.
 Toy, Mechanically-operated figure. A. E. Derus. 1,782,843; Nov. 25.
 Toy, Metal structural. H. W. Graves. 1,766,022; June 24.
 Toy, Motion. C. R. Crew. 1,786,737; Dec. 30.
 Toy motor, Electric. C. Berger. 1,771,609; July 29.
 Toy, Musical. H. N. Barnum. 1,777,712; Oct. 7.
 Toy, musical. M. Goubert. 1,774,436; Aug. 26.
 Toy, Musical. G. A. Heimer. 1,768,199; June 24.
 Toy, Musical. H. A. Myers. 1,751,490-1; Mar. 25.
 Toy, Musical educational. I. Cash. 1,754,458-9; Apr. 15.
 Toy or amusement vehicle. L. Alexander. 1,759,180; May 20.
 Toy or similar article. W. E. Disney. Des. 82,802; Dec. 16.
 Toy palpating heart. H. H. D. Klinker. 1,763,467; June 10.
 Toy parachute. P. Anderson. 1,780,734; Nov. 4.
 Toy parachute. G. J. Grossman. 1,765,721; June 24.
 Toy parachute. S. D. Warner. 1,775,299; Sept. 9.
 Toy, Picture. C. Bustamante. 1,750,991; Mar. 18.
 Toy pistol. F. T. Baum and C. G. Norris. 1,759,084; May 20.
 Toy pistol. E. Fey. 1,768,677; July 1.
 Toy pistol. A. T. Linney. 1,776,916; Sept. 30.
 Toy pistol. C. F. Meyer, jr. 1,751,488; Mar. 25.
 Toy poodle dog, Decorative. A. Sopp. Des. 80,916; Apr. 8.
 Toy projectile. M. Monge. 1,760,657; May 27.
 Toy, Radio. W. L. Jobe, sr. 1,763,788; June 17.
 Toy railroads and the like, Automatic safety cut-out for. H. S. Becker. 1,781,969; Nov. 18.
 Toy railway signaling system. J. C. Koerber. 1,750,322; Mar. 11.
 Toy railway system. P. P. Saunier. 1,779,148; Oct. 21.
 Toy railway track. W. E. Thorn. 1,758,093; May 13.
 Toy railway track. P. S. Westcott. 1,773,560; Aug. 19.
 Toy repeating gun. L. Marx. 1,759,128; May 20.
 Toy repeating pistol. K. Rabenschlag. 1,770,996; July 22.
 Toy, Rocking. H. Kitz. 1,754,109; Apr. 8.
 Toy savings bank. N. Tregor. Des. 80,350; Jan. 14.
 Toy scenic railway. R. Vezzuso and J. Petrino. 1,765,510; June 24.
 Toy seesaw. L. J. Rousseau. Des. 81,350; June 10.
 Toy, Self-propelled. M. K. Parkhurst. 1,775,914; Sept. 16.
 Toy set, Electrically-operated. D. L. Mathias. 1,747,255; Feb. 18.
 Toy sewing machine. H. E. Tautz. 1,749,114; Mar. 4.
 Toy ship. L. H. Baxter. Des. 82,073-5; Sept. 23.
 Toy ship. L. H. Baxter. Des. 82,411; Nov. 4.

- Toy soldier. P. J. Hemmer and H. Waneck. Des. 80,531; Feb. 18.
- Toy, Sound-producing. O. M. Beall. 1,766,095; June 24.
- Toy, Spark. C. Arnold. 1,787,349; Dec. 30.
- Toy, Sparkler. J. E. Malkin. 1,781,516; Nov. 11.
- Toy steeplechase. C. W. Parke. 1,778,038; Oct. 14.
- Toy, Structural. T. I. Potter. 1,779,826; Oct. 28.
- Toy, Stuffed. B. Stinson, E. Schmidt, M. Milovich, and S. Milovich. Des. 82,292; Oct. 14.
- Toy suburban station. J. E. Cuff. Des. 80,434; Feb. 4.
- Toy, Surf-rider. J. E. Brubaker. Des. 80,477; Feb. 11.
- Toy target. F. T. Baum. 1,749,689; Mar. 4.
- Toy telephone. N. W. Hill. 1,778,555-7; Oct. 14.
- Toy telephone. B. F. Schuchman. 1,749,447; Mar. 4.
- Toy top. J. M. Krause. Des. 82,435; Nov. 4.
- Toy trackage. L. G. Handy. 1,753,147; Apr. 1.
- Toy tracks, Automatic signaling means for. H. S. Becker. 1,784,778; Dec. 9.
- Toy tractor. R. D. Conboy. 1,754,307; Apr. 15.
- Toy, Traffic-simulating. S. I. Berger. 1,753,282; Apr. 8.
- Toy train tracks, Electric connector for. H. C. Ives. 1,782,991; Nov. 25.
- Toy, Trick egg. F. M. Osgood. 1,763,814; June 17.
- Toy vehicle. L. A. Colella. 1,764,199; June 17.
- Toy vehicle. A. I. Linden. 1,769,701; July 1.
- Toy, Vehicle. F. A. Lundahl. 1,755,483; Apr. 22.
- Toy, vehicle. L. Marx. Des. 82,440; Nov. 4.
- Toy vehicle. J. Mohr. 1,785,783; Dec. 23.
- Toy vehicle. H. F. Montague. 1,748,183; Feb. 25.
- Toy vehicle. F. F. Taylor. 1,750,547; Mar. 11.
- Toy vehicle, Elastic-propelled. M. Alland. 1,750,152; Mar. 11.
- Toy vehicle, Elastic-propelled sound-emitting. M. Alland. 1,762,461; June 10.
- Toy vehicle frame. O. R. Burns. 1,787,034; Dec. 30.
- Toy vehicles, Truck for. J. C. Koerber. 1,749,384; Mar. 4.
- Toy weapon. W. Sadtler. 1,782,479; Nov. 25.
- Toy weapon. L. G. Taylor. 1,768,944; July 1.
- Toy, Wheel-bearing figure. C. A. Wetzel. Des. 82,232-4; Oct. 7.
- Toy, Wheel-bearing figure. C. A. Wetzell. Des. 82,294; Oct. 14.
- Toy, Wheeled. J. D. and I. B. Davidson. 1,743,325; Jan. 14.
- Toy, Wheeled. H. L. Kraeft. 1,764,733; June 17.
- Toy, Wheeled. J. R. Muhn. Des. 82,102-3; Sept. 23.
- Toy, Wheeled. A. Rapisardi. 1,766,541; June 24.
- Toy, Wheeled. P. Strong. 1,755,035; Apr. 15.
- Toy, Wheeled. W. T. Watson. 1,777,237; Sept. 30.
- Toy, Wheeled sounding. T. Fuqua. 1,773,667; Aug. 19.
- Toy whistle. M. A. Hoyer. 1,775,150; Sept. 9.
- Toy whistling clown. A. D. Cowan. Des. 80,878; Apr. 8.
- Toy windmill. H. G. Dugan. 1,749,804; Mar. 11.
- Toy windmill. O. Scheibe. Des. 82,587; Nov. 18.
- Toys, Wheel for. C. M. Watrous. 1,743,944; Jan. 14.
- Tracer compositions, Making. W. S. Heitmann. 1,748,288; Feb. 25.
- Tracer control for lathes, Electric. J. C. and R. D. Shaw. 1,772,431; Aug. 5.
- Tracer-control machine for diesinking and the like, Electric. E. R. Lochman. 1,774,279; Aug. 26.
- Tracer, Dead-reckoning. M. F. Bates. 1,785,241; Dec. 16.
- Tracings to blue-print machines, Feeding. H. J. Brunk. 1,767,833; June 24.
- Track-aligning device. E. G. Erickson. 1,742,951; Jan. 7.
- Track ballast-cleaning machine, Railway-. A. Scheuchzer. 1,778,690; Oct. 14.
- Track bolt. M. Lapham. 1,772,582; Aug. 12.
- Track brace. G. Ashton. 1,760,934; June 3.
- Track brake arrangement and control means therefor. G. Hannauer and E. M. Wilcox. 1,751,995; Mar. 25.
- Track brake, Railway-. J. E. Stephenson. 1,766,559; June 24.
- Track-clearing device. V. Ciriello. 1,776,179; Sept. 16.
- Track connector. J. L. Cowen. 1,742,200; Jan. 7.
- Track construction. H. P. Schmeck. 1,755,030; Apr. 15.
- Track construction, Railway-. J. J. Burns. 1,765,565; June 24.
- Track construction, Railway-. A. Enstrom. 1,743,662; Jan. 14.
- Track construction, Railway-. F. Heinemann. 1,778,362; Oct. 14.
- Track crossover for railroads. P. L. Kopp. 1,743,924; Jan. 14.
- Track for tracklaying vehicles. F. Kohlberger. 1,760,504; May 27.
- Track for tracklaying vehicles, Endless. H. A. Knox. 1,774,797; Sept. 2.
- Track for use in furnaces. L. J. Stanbery and N. T. Branche. 1,753,220; Apr. 8.
- Track for vehicles, Chain. J. H. Robertson. 1,774,815; Sept. 2.
- Track frame for tractors. O. L. Gilliland. 1,772,714; Aug. 12.
- Track, Industrial railway. G. D. Baldwin. 1,753,327; Apr. 8.
- Track installation to control railway trains. T. E. and J. E. Clark. 1,780,416; Nov. 4.
- Track insulation. L. W. Tarr. 1,758,867; May 13.
- Track jack. T. H. Talboys. 1,780,989; Nov. 11.
- Tracklaying vehicles, Suspension for. H. A. Knox. 1,744,229; Jan. 21.
- Track level and gauge, Combined. J. E. Busby. 1,751,393; Mar. 18.
- Track liner. B. S. McClellan. 1,756,372; Apr. 29.
- Track, Mine railroad. J. Steinberg. 1,755,462; Apr. 22.
- Track rails, Device for retaining. B. P. Andreianoff. 1,770,872; July 15.
- Track sander. E. J. Gilligan and A. H. McLean. 1,781,637; Nov. 11.
- Track sander. J. H. and J. W. Hanlon. 1,755,598; Apr. 22.
- Track sander for motor vehicles. F. Florian. 1,784,832; Dec. 16.
- Track-shifting apparatus. G. J. Holt and W. Longevin. 1,784,963; Dec. 16.
- Track shoe. W. Turnbull. 1,786,924; Dec. 30.
- Track structure for toy electric railways. J. C. Koerber. 1,779,605; Oct. 28.
- Track structure, Railroad-. W. Dalton. 1,742,987; Jan. 7.
- Track structure, Railroad-. G. W. Muller. 1,761,148; June 3.
- Track structure, Railway-. L. M. Coon. 1,743,598; Jan. 14.
- Track structure, Railway-. R. L. Gillispie. 1,774,263; Aug. 26.
- Track switch, Automatic. G. Tezaravics. 1,770,868; July 15.
- Track switch, Electrically-operated. G. Bonte. 1,777,825; Oct. 7.
- Track switch, Electrically-operated. F. H. Richterkesing. 1,756,700; Apr. 29.
- Track switch, Electrically-operated. S. S. Stolp. 1,743,405; Jan. 14.
- Track-tying device, Railway-. J. G. Mueller. 1,747,382; Feb. 18.
- Trackway. M. G. Hilpert. 1,764,306; June 17.
- Trackway apparatus for automatic train-control systems. G. W. Baughman. 1,786,818; Dec. 30.
- Trackway, Elevated. L. F. Berthold and W. Loudon. 1,757,651; May 6.
- Traction control for combined harvesters. F. E. Sharp. 1,763,265; June 10.
- Traction device. A. O. Lombard. 1,774,835; Sept. 2.
- Traction device. L. Marsch. 1,777,928; Oct. 7.
- Traction device. G. W. Perks. 1,753,349; Apr. 8.
- Traction device for vehicle driving wheels. A. Sjodin. 1,777,773; Oct. 7.
- Traction driving mechanism. H. E. Brey. 1,758,216; May 13.
- Traction lug. B. Arps. 1,780,513; Nov. 4.
- Traction unit, Creeping. M. L. Fykse. 1,759,049; May 20.
- Traction wheel. B. R. Benjamin. 1,748,405; Feb. 25.
- Traction wheel. E. London. 1,786,855; Dec. 30.
- Traction wheel, Adjustable disappearing-lug. V. C. Huene-mann. 1,781,461; Nov. 11.
- Tractive power unit. W. H. Baker. 1,743,751; Jan. 14.
- Tractor. W. I. Ballentine and P. R. Thompson. 1,750,453; Mar. 11.
- Tractor. F. V. Donald. 1,768,673; July 1.
- Tractor. F. A. Halleck. 1,771,625; July 29.
- Tractor. C. O. Howard and F. M. Blair. 1,761,669; June 3.
- Tractor. W. C. Rarig. 1,758,584; May 13.
- Tractor. O. Thomas and P. R. Thompson. 1,768,645; July 1.
- Tractor. L. W. Witry. 1,749,202; Mar. 4.
- Tractor. L. W. Witry. 1,760,932; June 3.
- Tractor. J. A. Wright. 1,781,206; Nov. 11.
- Tractor and trailer. N. Finch. 1,766,780; June 24.
- Tractor and trailer, Combined. J. J. Gund. Des. 81,186; May 20.
- Tractor attachment. P. H. Davey. 1,772,071; Aug. 5.
- Tractor attachment. J. L. Hipple. 1,748,418; Feb. 25.
- Tractor attachment. E. W. Lilly. 1,767,992; June 24.
- Tractor attachment for automobiles. H. Armstrong. 1,747,412; Feb. 18.
- Tractor attachment for corn pickers. G. W. Lang. 1,766,439; June 24.
- Tractor attachment for feeding and elevating snow. N. P. Nelson and F. W. James. 1,764,084; June 17.
- Tractor, Band. I. M. Kosinetz. 1,772,316; Aug. 5.
- Tractor-chain links, Detachable wheel guide for. J. T. Moore. 1,760,249; May 27.
- Tractor clutch-throw-out means. A. E. Rackow. 1,767,396; June 24.
- Tractor control. L. G. W. Feldermann. 1,757,660; May 6.
- Tractor, Crawler. W. H. Whitacre. 1,744,516; Jan. 21.
- Tractor cultivator. B. R. Benjamin. 1,755,806; Apr. 22.
- Tractor cultivator. B. R. Benjamin. 1,760,336; May 27.
- Tractor cultivator, Combination. A. G. and A. Ronning. 1,769,038; July 1.
- Tractor, Cushion-tire tracklayer. W. H. Smyth. 1,763,826; June 17.
- Tractor disk-harrow. W. C. Dwyer. 1,769,123; July 1.
- Tractor-drawn implements, Hitching device for. E. H. Daniel. 1,765,788; June 24.
- Tractor-equipment combination. W. D. Shoemaker and F. L. Young. 1,755,136; Apr. 15.
- Tractor for overhead carrier systems. W. G. Wehr. 1,759,177; May 20.
- Tractor, Garden. H. E. Esch and E. A. Buchanan. 1,754,617; Apr. 15.
- Tractor guide. O. T. Nichol. 1,747,730; Feb. 18.
- Tractor guide. O. T. Nichol. 1,760,079; May 27.
- Tractor guide. R. G. Sellon. 1,766,004; June 24.
- Tractor guide. E. W. Skelton and G. R. Knotwell. 1,768,218; June 24.

- Tractor, Hillside. W. G. Rogers. 1,780,799; Nov. 4.
 Tractor hitch. E. W. and G. D. Baldwin. 1,775,268; Sept. 9.
 Tractor hitch. E. E. Bashor and E. N. Wray. 1,767,114; June 24.
 Tractor hitch. T. Drabek. 1,762,919; June 10.
 Tractor hitch. E. W. Johnson. 1,758,951; May 20.
 Tractor hitch and control apparatus. W. A. Wallace and E. B. and E. C. Holmquist. 1,745,069; Jan. 28.
 Tractor hitch for dump rakes and the like. B. R. Benjamin and C. Pearson. 1,769,102; July 1.
 Tractor implement. B. R. Benjamin. 1,769,103; July 1.
 Tractor implement. W. S. Graham and J. L. Hipple. 1,775,639; Sept. 16.
 Tractor, Mechanical. C. Bouche. 1,776,486; Sept. 23.
 Tractor pilot structure. O. T. Nichol. 1,784,534; Dec. 9.
 Tractor plow. T. Brown and C. G. Strandlund. 1,745,472; Feb. 4.
 Tractor power lift. D. J. Goodwill. 1,777,487; Oct. 7.
 Tractor shoe. J. C. Haggart, jr. 1,765,580; June 24.
 Tractor toy. L. L. Maillard. 1,760,423; May 27.
 Tractor, Track-laying. F. O. Snow, jr. 1,772,761; Aug. 12.
 Tractor, Track-laying. R. H. White. 1,781,486; Nov. 11.
 Tractor trailer. C. H. Land. 1,753,011; Apr. 1.
 Tractor trailer. C. H. Land. 1,774,894; Sept. 2.
 Tractor trailer. C. H. Land. 1,781,399; Nov. 11.
 Tractor wheel. B. R. Benjamin. 1,768,972; July 1.
 Tractor wheel. J. A. Grant. 1,755,160; Apr. 15.
 Tractor wheel. J. W. Tatter. 1,779,994; Oct. 28.
 Tractor wheel. R. M. Waters. 1,775,008; Sept. 2.
 Tractor wheel. C. H. Wilks. 1,782,643; Nov. 25.
 Tractor wheel, Spring. W. E. Lagerfeldt. 1,759,860; May 27.
 Tractor wheels, Creeper attachment for. J. T. Moore. 1,764,520; June 17.
 Tractors, Attachment for. J. D. Cummings. 1,783,282; Dec. 2.
 Tractors, Attachment for. J. N. Kinney. 1,770,784; July 15.
 Tractors, Attachment for. J. N. Kinney. 1,771,931; July 29.
 Tractors, Attachment for farm. L. E. Morrow. 1,760,882; June 3.
 Tractors, Corn harvesting and husking attachment for. H. W. Hopkins. 1,776,627; Sept. 23.
 Tractors, Ditcher for. E. A. and F. W. Abeling. 1,768,019; June 24.
 Tractors, Draft attachment for. W. L. Paul. 1,759,063; May 20.
 Tractors, Driving attachment for. J. E. Horste. 1,786,067; Dec. 23.
 Tractors, Earth-working attachment for. A. S. Hughes. 1,785,122; Dec. 16.
 Tractors, Farm implement attachment for. C. A. Enz. 1,760,128; May 27.
 Tractors from a distance, Device for controlling. G. A. Trauger. 1,755,526; Apr. 22.
 Tractors, Hitch mechanism for. W. I. Ballentine and P. R. Thompson. 1,776,408; Sept. 23.
 Tractors, Leveling device. F. E. Sharp. 1,753,807; Apr. 8.
 Tractors, Lister attachment for. W. M. Anderson. 1,786,591; Dec. 30.
 Tractors, Loading attachment for. C. Underland. 1,784,558; Dec. 9.
 Tractors, Mower attachment for. C. Pearson. 1,757,214; May 6.
 Tractors, Power take-off for. F. E. Webb. 1,765,188; June 17.
 Tractors, Transmission mechanism for. G. W. Engstrom. 1,751,579; Mar. 25.
 Tractors, Winch attachment for. R. B. Otwell. 1,752,962; Apr. 1.
 Trade-marking carbon paper. W. Mendel. 1,769,592; July 1.
 Traffic button, Disappearing safety. L. A. Springer. 1,777,585; Oct. 7.
 Traffic control, Method and system of crossing. J. P. Tarbox. 1,769,555; July 1.
 Traffic-control system for radio broadcast distribution. E. E. Clement. 1,754,878; Apr. 15.
 Traffic-controlling and fire-alarm apparatus, System for operating. H. Garrett. 1,743,965; Jan. 14.
 Traffic-controlling apparatus, Railway. V. S. Alexander. 1,785,725; Dec. 23.
 Traffic-controlling apparatus, Railway. W. P. Allen. 1,754,734; Apr. 15.
 Traffic-controlling apparatus, Railway. G. W. Baughman. 1,770,386; July 15.
 Traffic-controlling apparatus, Railway. G. W. Baughman. 1,780,737; Nov. 4.
 Traffic-controlling apparatus, Railway. H. G. Blosser. 1,773,165; Aug. 19.
 Traffic-controlling apparatus, Railway. H. G. Blosser and R. A. McCann. 1,784,816; Dec. 16.
 Traffic-controlling apparatus, Railway. P. N. Bossart. 1,748,751; Feb. 25.
 Traffic-controlling apparatus, Railway. P. N. Bossart. 1,753,982; Apr. 8.
 Traffic-controlling apparatus, Railway. P. N. Bossart. 1,773,297; Aug. 19.
 Traffic-controlling apparatus, Railway. P. N. Bossart. 1,773,472; Aug. 19.
 Traffic-controlling apparatus, Railway. P. N. Bossart. 1,775,016; Sept. 2.
 Traffic-controlling apparatus, Railway. C. C. Buchanan. 1,773,515; Aug. 19.
 Traffic-controlling apparatus, Railway. J. P. Coleman. 1,775,811; Sept. 16.
 Traffic-controlling apparatus, Railway. C. W. Failor. Re17,752; July 29.
 Traffic-controlling apparatus, Railway. P. H. Geiger. Re17,763; Aug. 5.
 Traffic-controlling apparatus, Railway. P. H. Geiger. 1,775,025; Sept. 2.
 Traffic-controlling apparatus, Railway. R. M. Gilson. 1,753,699; Apr. 8.
 Traffic-controlling apparatus, Railway. R. M. Gilson. 1,770,772; July 15.
 Traffic-controlling apparatus, Railway. R. M. Gilson. 1,771,215; July 22.
 Traffic-controlling apparatus, Railway. L. O. Grondahl. 1,750,801; Mar. 18.
 Traffic-controlling apparatus, Railway. L. F. Howard. 1,770,699; July 15.
 Traffic-controlling apparatus, Railway. L. L. Lockrow. 1,745,629; Feb. 4.
 Traffic-controlling apparatus, Railway. H. S. Loomis. 1,774,982; Sept. 2.
 Traffic-controlling apparatus, Railway. H. S. Loomis and H. A. Thompson. 1,771,715; July 29.
 Traffic-controlling apparatus, Railway. S. M. Lucas. 1,770,705; July 15.
 Traffic-controlling apparatus, Railway. R. A. McCann. 1,744,832; Jan. 28.
 Traffic-controlling apparatus, Railway. R. A. McCann. 1,749,082; Mar. 4.
 Traffic-controlling apparatus, Railway. R. A. McCann. 1,755,357; Apr. 22.
 Traffic-controlling apparatus, Railway. J. B. Myers. 1,749,834; Mar. 11.
 Traffic-controlling apparatus, Railway. L. L. Nettleton. 1,772,781; Aug. 12.
 Traffic-controlling apparatus, Railway. L. E. Spray. 1,748,804; Feb. 25.
 Traffic-controlling apparatus, Railway. P. P. Stoker. 1,750,247; Mar. 11.
 Traffic-controlling apparatus, Railway. H. A. Thompson. 1,750,441; Mar. 11.
 Traffic-controlling apparatus, Railway. H. A. Thompson. 1,781,827; Nov. 18.
 Traffic-controlling apparatus, Railway. H. A. Thompson. 1,784,851; Dec. 16.
 Traffic-controlling apparatus, Railway. J. J. Vanhorn. 1,782,156; Nov. 18.
 Traffic-controlling apparatus, Railway. H. C. Vantassel. 1,771,196; July 22.
 Traffic-controlling apparatus, Railway. H. A. Wallace. 1,746,328; Feb. 11.
 Traffic-controlling apparatus, Railway. H. A. Wallace. 1,778,539; Oct. 14.
 Traffic-controlling system and apparatus, Railway. M. H. Loughridge. 1,778,328; Oct. 14.
 Traffic-controlling system, Railway. H. P. Ober. 1,748,921; Feb. 25.
 Traffic-controlling system, Railway. M. C. Twitchell. 1,766,567; June 24.
 Traffic delays of automobiles, Indicating. R. Watson. 1,745,284; Jan. 28.
 Traffic, Handling automobile. B. H. Marshall. 1,773,917; Aug. 26.
 Traffic indicator. H. Rohrdantz. 1,752,756; Apr. 1.
 Traffic marker, Yielding upright. M. E. Hartzler and T. H. Ferguson. 1,766,073; June 24.
 Traffic register. F. A. Barney. 1,773,718; Aug. 26.
 Traffic signal. A. R. Ames. 1,756,144; Apr. 29.
 Traffic signal. R. Blesso. 1,779,582; Oct. 28.
 Traffic signal. C. J. Chamberland. 1,772,305; Aug. 5.
 Traffic signal. H. B. Copeland. 1,741,107; Jan. 21.
 Traffic signal. B. Currin. 1,761,519; June 3.
 Traffic signal. H. I. Diamond. 1,770,128; July 8.
 Traffic signal. S. Fujii, H. Yamaki, and R. Ramos. 1,778,853; Oct. 21.
 Traffic signal. P. P. Horni. Re17,642; Apr. 15.
 Traffic signal. P. P. Horni. Des. 81,694; July 29.
 Traffic signal. P. P. Horni. 1,770,272; July 8.
 Traffic signal. H. Johnson. 1,767,369; June 24.
 Traffic signal. O. E. Johnson. 1,757,050; May 6.
 Traffic signal. O. C. Matthews and D. F. Malcom. 1,749,387; Mar. 4.
 Traffic signal. A. O. Olafson. 1,743,383; Jan. 14.
 Traffic signal. A. O. Olafson. 1,749,390; Mar. 4.
 Traffic signal. K. C. Parkhurst. 1,776,447; Sept. 23.
 Traffic signal. E. H. Piron. 1,759,368; May 20.
 Traffic signal. L. Swam. 1,765,508; June 24.
 Traffic signal. E. C. Taylor. 1,758,205; May 13.
 Traffic signal. L. M. Torrence. 1,758,481; May 13.
 Traffic signal. F. C. Vogler. 1,771,667; July 29.
 Traffic signal and booth therefor, Combination. T. R. Pavelsky. 1,750,190; Mar. 11.
 Traffic-signal light, Pedestrian-vehicular. J. A. Harriss. Des. 81,536; July 8.
 Traffic-signal projector. A. I. Crook. 1,768,191; June 24.
 Traffic signal, Variable. R. O. Nelson. Re17,602; Feb. 18.
 Traffic signal, Vehicle. G. R. Call. 1,752,289; Apr. 1.
 Traffic signaling system. K. W. Mackall. 1,756,490; Apr. 29.
 Traffic stop. E. L. Stanton. 1,786,678; Dec. 30.
 Traffic supervisor. R. J. Wensley and V. K. Zworykin. 1,743,175; Jan. 14.

- Trailer. P. B. and E. P. Chojnacki. 1,756,239; Apr. 29.
 Trailer. S. Cohen. 1,744,527; Jan. 21.
 Trailer. S. Cohen. 1,771,206; July 22.
 Trailer. R. B. Fageol. 1,747,580; Feb. 18.
 Trailer, Automobile transporting. S. B. Winn. 1,777,422; Oct. 7.
 Trailer brake. C. Carriger. 1,748,635; Feb. 25.
 Trailer brake, Two-wheel. S. B. Winn. 1,746,453; Feb. 11.
 Trailer construction. C. G. Clement. 1,771,572; July 29.
 Trailer construction. D. R. Thomas. 1,786,463; Dec. 30.
 Trailer coupler. H. P. Williams. 1,745,136; Jan. 28.
 Trailer, Dump. A. P. and S. F. Armington. 1,752,056; Mar. 25.
 Trailer for automobile bodies. R. T. Romine. 1,750,128; Mar. 11.
 Trailer for vehicles. P. L. Melanson. 1,779,887; Oct. 28.
 Trailer-frame structure. D. H. Davis and L. E. Williams. 1,743,436-7; Jan. 14.
 Trailer-frame structure. L. E. Williams. 1,780,776; Nov. 4.
 Trailer, Heavy-duty. D. H. Davis. 1,762,915; June 10.
 Trailer hitch. C. and J. Jones. 1,777,090; Sept. 30.
 Trailer hitch, Four-wheeled. J. B. Johnson. 1,752,638; Apr. 1.
 Trailer, Pole. D. H. Davis and L. E. Williams. 1,748,976; Mar. 4.
 Trailer, Pole. F. M. Reid. 1,742,413; Jan. 7.
 Trailer, Straight-frame. C. G. Clement. 1,771,571; July 29.
 Trailer vehicle. A. B. Cadman. 1,761,816; June 3.
 Trailers, Articulated tongue for. L. E. Williams. 1,748,967; Mar. 4.
 Train-annunciating apparatus. P. H. Crago. 1,781,497; Nov. 11.
 Train annunciator, Automatic. W. F. McKennon and R. C. Berk. 1,744,325; Jan. 21.
 Train-classification signal, Reversible. W. J. Frost. 1,755,577; Apr. 22.
 Train control. N. C. L. Brown. 1,742,751; Jan. 7.
 Train control. C. S. Bushnell. 1,748,909; Feb. 25.
 Train control. C. S. Bushnell. 1,757,410; May 6.
 Train control. W. D. Cloud. 1,785,693; Dec. 16.
 Train control. F. L. Dodgson. 1,743,810; Jan. 14.
 Train control. W. K. Howe. 1,759,404; May 20.
 Train control. W. K. Howe. 1,765,334; June 17.
 Train control. H. B. Taylor. 1,785,706; Dec. 16.
 Train-control and cab signal system. M. H. Loughbridge and J. S. Holliday. 1,755,447; Apr. 22.
 Train control and signal, Automatic. C. W. Brewster. 1,765,355; June 17.
 Train control and signaling device. W. C. Nein. 1,748,919; Feb. 25.
 Train-control apparatus, Simplex normal danger automatic. A. L. Ruthven. 1,754,906; Apr. 15.
 Train control, Automatic. D. H. Schwyer. 1,758,765; May 13.
 Train control, Automatic. P. J. Simmen. 1,749,234; Mar. 4.
 Train control, Automatic. P. J. Simmen. 1,786,783; Dec. 30.
 Train control, Continuous. A. L. Ruthven. 1,754,907; Apr. 15.
 Train-control device. C. C. Farmer. 1,742,381; Jan. 7.
 Train control, Electric. W. M. Beck. 1,758,308; May 13.
 Train-control equipment, Apparatus for testing automatic. C. F. Stoltz and G. W. Ferling. 1,780,726; Nov. 4.
 Train-control equipment, Automatic. T. H. Thomas. 1,765,509; June 24.
 Train control, Pneumatic. T. W. Varley and W. C. Nein. 1,765,782; June 24.
 Train control, Run-down and reset. A. L. Ruthven. 1,754,905; Apr. 15.
 Train-control system. A. H. Adams. 1,742,188-9; Jan. 7.
 Train-control system. L. M. Aspinwall. 1,786,815; Dec. 30.
 Train-control system. T. Bodde. 1,783,491; Dec. 2.
 Train-control system. T. E. and J. E. Clark. 1,770,371; July 8.
 Train-control system. J. S. Holliday. 1,747,368; Feb. 18.
 Train-control system. A. E. Hudd. 1,767,678; May 27.
 Train-control system. A. E. Hudd. 1,775,030; Sept. 2.
 Train-control system. W. H. Reichard. 1,766,544; June 24.
 Train-control system. P. X. Rice. 1,775,051; Sept. 2.
 Train-control system. F. M. Rosenzweig. 1,773,154; Aug. 19.
 Train-control system. A. G. Shaver and B. W. Melsel. 1,742,617; Jan. 7.
 Train-control system. P. J. Simmen. 1,745,064; Jan. 28.
 Train-control system, Automatic. C. S. Bushnell. 1,767,578; June 24.
 Train-control system, Automatic. A. M. Conti. 1,775,422; Sept. 9.
 Train-control system, Automatic. W. H. Reichard. 1,785,703; Dec. 16.
 Train-control system for railroads. W. D. Hailes. 1,748,915; Feb. 25.
 Train-control system for railroads, Automatic. J. A. Peabody. 1,765,803; June 24.
 Train-control system, Induction. A. G. Shaver. 1,773,155; Aug. 19.
 Train control, System of. P. J. Simmen. 1,767,557; June 24.
 Train control, System of automatic. M. H. Loughbridge. 1,775,169; Sept. 9.
 Train-control system of the permissive type, Automatic. N. D. Preston. 1,744,012; Jan. 14.
 Train-control system, Track relayless. W. H. Reichard. 1,766,543; June 24.
 Train-control systems, Acknowledging device for. C. A. Christofferson. 1,755,772; Apr. 22.
 Train control, Wireless. J. H. Hammond, jr. 1,786,610; Dec. 30.
 Train-controlling apparatus. F. J. McAvoy. 1,771,718; July 29.
 Train-counting apparatus. P. P. Stoker. 1,782,052; Nov. 18.
 Train-dispatching system for railroads. S. N. Wight. 1,759,383; May 20.
 Train-dispatching system for railroads. S. N. Wight. 1,770,364; July 8.
 Train-indicating apparatus, Railway. C. A. Brooks. 1,770,897; July 22.
 Train-indicating apparatus, Railway. J. J. Vanhorn. 1,786,795; Dec. 30.
 Train, Miniature Interurban. F. M. McFalls and G. H. Brown. 1,758,123; May 13.
 Train-order and signal hoop. F. W. Foltz. 1,746,388; Feb. 11.
 Train-order device. W. T. Boyd. 1,756,848; Apr. 29.
 Train-pipe connector, Automatic. J. Robinson. 1,773,790; Aug. 26.
 Train signal. E. W. Swartwout. 1,769,892; July 1.
 Train-speed-control system for railroads, Automatic. W. H. Reichard. 1,748,922; Feb. 25.
 Train-stopping device. A. P. Hradesky. 1,771,926; July 29.
 Train-wire device, Electric. C. C. Farmer. 1,750,633; Mar. 18.
 Trains, Drawbar and slack control for. W. Coyle. 1,747,226; Feb. 18.
 Tramway, Aerial. M. P. Morrison. 1,760,077; May 27.
 Transfer-binding case and release stand therefor. R. F. Power. 1,784,315; Dec. 9.
 Transfer device for registering apparatus. G. Mombar. 1,743,562; Jan. 14.
 Transfer for multicolored designs and markings. H. S. Sadtler. 1,759,868; May 27.
 Transfer-gripper-operating mechanism. A. G. Jacobson. 1,764,104; June 17.
 Transfer mechanism. W. J. Pasinski. 1,774,289; Aug. 26.
 Transfer mechanism. K. V. Rudin. 1,777,898; Oct. 7.
 Transfer mechanism. O. J. Sundstrand. 1,758,016; May 13.
 Transfer mechanism for calculating machines. A. A. Horton. 1,767,674; June 24.
 Transfer press. F. T. Sheedy, H. C. Wood, and L. Traung. 1,783,888; Dec. 2.
 Transferring liquefied gases from one container to another. C. W. P. Heyland. 1,753,785; Apr. 8.
 Transferring subjects to metal surfaces. H. L. Krebs. 1,742,710; Jan. 7.
 Transformation mechanism for calculating machines. W. S. Gubelmann. 1,742,527; Jan. 7.
 Transformer. L. F. Blume. 1,752,880; Apr. 1.
 Transformer. F. F. Brand. 1,760,540; May 27.
 Transformer. L. H. Burnham. 1,742,985; Jan. 7.
 Transformer. J. C. Daley and E. G. Goddard. 1,786,422; Dec. 30.
 Transformer. J. C. Daley, E. G. Goddard, and J. J. Sola. 1,777,256; Sept. 30.
 Transformer. P. R. Dijksterhuis and Y. B. F. J. Groeneveld. 1,761,110; June 3.
 Transformer. L. H. Hill. 1,763,152; June 10.
 Transformer. J. C. Howes. 1,771,297; July 22.
 Transformer. G. E. Jansson. 1,768,256; June 24.
 Transformer. W. Köchling. 1,761,732; June 3.
 Transformer. A. Meyerhans. 1,749,388; Mar. 4.
 Transformer. A. J. Sorensen. 1,784,030; Dec. 9.
 Transformer. F. J. Vogel. 1,751,223; Mar. 18.
 Transformer, Adjustable. R. Strohschneider. 1,771,551; July 29.
 Transformer and electron-tube socket, Combined. J. W. Simmons. 1,787,871; Nov. 18.
 Transformer and operating same. L. C. Nichols. 1,761,580; June 3.
 Transformer apparatus. J. Jonas. 1,746,259; Feb. 11.
 Transformer arrangement, Neutralizing. T. Shaw. 1,769,969; July 8.
 Transformer, choke coil, and core therefor. N. H. Clough. 1,779,269; Oct. 21.
 Transformer core. W. E. Schwenzer. 1,775,053; Sept. 2.
 Transformer core. A. W. Thompson and F. J. Vogel. 1,760,998; June 3.
 Transformer-core structure. H. L. Cole. 1,765,483; June 24.
 Transformer, Current. A. Boyajian and W. F. Skeats. 1,743,752; Jan. 14.
 Transformer, Current. F. J. Fischer. 1,765,913; June 24.
 Transformer, Current. H. Klemm. 1,786,853; Dec. 30.
 Transformer, Electric. J. G. Wellings and C. G. Mayo. 1,748,857; Feb. 25.
 Transformer, Electrical. P. McDonough. 1,742,608; Jan. 7.
 Transformer, Electrical. A. E. Mignot. 1,776,078; Sept. 16.
 Transformer for arc welding by alternating current, Regulating. F. Wörtmann. 1,767,497; June 24.
 Transformer for high-frequency currents, Current. A. M. Trogner. 1,766,048; June 24.

- Transformer, High-frequency. H. G. and H. A. Maerlender. 1,784,297; Dec. 9.
- Transformer, High-frequency differential. M. Vos. 1,781,308; Nov. 11.
- Transformer, High-voltage electric. S. Z. De Ferranti. 1,745,983; Feb. 4.
- Transformer, Radio frequency. C. D. Whitlock. 1,775,880; Sept. 16.
- Transformer, Regulating. G. Burnengo. 1,762,008; June 3.
- Transformer, Regulating. W. Petersen. 1,771,816; July 29.
- Transformer, Subway. G. N. Brown. 1,768,522; June 24.
- Transformer-supporting structure. E. J. Le Blond. 1,749,252; Mar. 4.
- Transformer system. H. Whittle. 1,785,062; Dec. 16.
- Transformer, Tuned. C. J. Fitch. 1,762,221; June 10.
- Transformers, Arrangement for reducing the stray reactance of cascade. E. Paffner. 1,747,528; Feb. 18.
- Transformers, Device for the selective protection of high-tension. J. Jonas. 1,748,451; Feb. 25.
- Transformers, Fault detector for. C. R. Wegener. 1,776,873; Sept. 30.
- Transformers, Protective winding for. H. L. Bernarde. 1,746,629; Feb. 11.
- Transformers, Regulating. K. Kurda and P. Shade. 1,764,320; June 17.
- Transformers, Tap changer for electric. W. A. Coates and J. Fowler. 1,763,133; June 10.
- Transit apparatus. J. A. Harriss. 1,784,728; Dec. 9.
- Transits, Angle-recording attachment for. J. A. Gendron. 1,759,482; May 20.
- Translating device, Piezo-electric. A. A. Thomas. 1,769,360; July 1.
- Transmission. Z. Alexander. 1,753,104; Apr. 1.
- Transmission. G. H. Bennett. 1,760,867; June 3.
- Transmission. L. Blackmore. 1,761,966; June 3.
- Transmission. G. B. Coleman. 1,767,916; June 24.
- Transmission. C. Cotta and C. R. Marthinus. 1,778,970; Oct. 21.
- Transmission. E. L. Engelhardt. 1,773,526; Aug. 19.
- Transmission. T. L. Fawick. 1,757,995; May 13.
- Transmission. H. Ford. 1,749,099; Mar. 4.
- Transmission. H. Ford. 1,758,597; May 13.
- Transmission. G. Heinisch. 1,745,760; Feb. 4.
- Transmission. K. L. Herrmann. 1,759,943; May 27.
- Transmission. S. C. Igo. 1,754,953; Apr. 15.
- Transmission. A. H. Jessen. 1,743,781; Jan. 14.
- Transmission. O. K. Kelley. 1,768,481; June 24.
- Transmission. H. A. Knox and B. F. Baker. 1,757,052; May 6.
- Transmission. N. W. Littlejohn. 1,778,365; Oct. 14.
- Transmission. J. M. Mann. 1,777,099; Sept. 30.
- Transmission. L. C. Martinsen. 1,755,186; Apr. 22.
- Transmission. D. D. Maurer. 1,783,513; Dec. 2.
- Transmission. B. A. Mitchell. 1,771,806; July 29.
- Transmission. G. W. Morrison. 1,760,991; June 3.
- Transmission. E. A. Nelson. 1,775,944; Sept. 16.
- Transmission. T. J. O'Connor. 1,764,849; June 17.
- Transmission. F. H. Sandherr. 1,777,860; Oct. 7.
- Transmission. B. Stevens. 1,754,654; Apr. 15.
- Transmission. C. E. Swenson. 1,764,994; June 17.
- Transmission. C. F. Van der Spek. 1,772,503; Aug. 12.
- Transmission. W. W. Wells. 1,782,184; Nov. 18.
- Transmission. E. Wildhaber. 1,784,919-20; Dec. 16.
- Transmission. F. E. Wyman. 1,742,744; Jan. 7.
- Transmission and control mechanism for machine tools. J. B. Armitage. Des. 17,699; June 17.
- Transmission and control mechanism, Milling-machine. F. A. Parsons. Re17,734; July 15.
- Transmission and reception by means of electric waves, Arrangement for directional. W. Hahneemann. 1,764,441; June 17.
- Transmission and speed actuator, Cushioned power. E. H. Lichtenberg. 1,770,175; July 8.
- Transmission apparatus. M. T. Voigt. 1,756,576; Apr. 29.
- Transmission appliance, Belt-driven power-. J. S. Wearn. Re17,698; June 10.
- Transmission, Automatic. H. E. Christie and K. W. Couse. 1,780,293; Nov. 4.
- Transmission, Automatic. A. M. Lane. 1,773,535; Aug. 19.
- Transmission, Automatic. C. G. Mitchell. 1,784,742; Dec. 9.
- Transmission, Automatic hydraulic. A. A. Johnson. 1,752,385; Apr. 1.
- Transmission, Automotive self-actuated variable. A. C. Peterson. 1,778,604; Oct. 14.
- Transmission, Auxiliary. H. Ford. 1,752,980; Apr. 1.
- Transmission band. G. R. Hoffman. 1,787,376; Dec. 30.
- Transmission brake. H. B. Shields. 1,754,286; Apr. 15.
- Transmission control. K. R. Manville. 1,774,026; Aug. 26.
- Transmission control. P. L. Tenney and H. E. Fidler. 1,783,931; Dec. 2.
- Transmission dampener. C. D. Peterson. 1,786,408; Dec. 23.
- Transmission-declutching mechanism. J. F. Gaylord. 1,758,106; May 13.
- Transmission device. H. E. Brice. 1,770,295; July 8.
- Transmission device. B. A. Mitchell. 1,771,807; July 29.
- Transmission device. E. S. Ostler. 1,767,472; June 24.
- Transmission device. N. Ransohoff. 1,760,210; May 27.
- Transmission device, Fluid-pressure. G. Cassady. 1,767,276; June 24.
- Transmission device, Inertia. J. A. Malm. 1,746,544; Feb. 11.
- Transmission efficiency, Maintaining constant. M. K. Zinn. 1,743,260; Jan. 14.
- Transmission, Electric. J. Zubaty. 1,769,281; July 1.
- Transmission, Electromagnetic. J. G. Frank. 1,754,675; Apr. 15.
- Transmission, Electrooptical. F. Gray. 1,759,504; May 20.
- Transmission, Flexible automatic. G. H. Hines. 1,768,839; July 1.
- Transmission, Flexible automatic. Gail H. Hines. 1,771,040; July 22.
- Transmission fluid, Hydraulic. R. A. Norton. 1,764,032; June 17.
- Transmission for motor vehicles, Hydraulic. W. E. Lape. 1,773,587; Aug. 19.
- Transmission for tickers, Automatic tape-controlled. E. R. Wheeler. 1,765,042; June 17.
- Transmission, Four-speed. P. L. Tenney. 1,756,917; Apr. 29.
- Transmission, Gear. L. K. Braren. 1,773,568; Aug. 19.
- Transmission, Gear. F. W. Hild. 1,784,593; Dec. 9.
- Transmission, Gear. F. C. Thompson. 1,766,415; June 24.
- Transmission-gear head, Oil-tight. E. Eaton. 1,755,776; Apr. 22.
- Transmission-level-controlling device. C. H. Fetter. 1,777,355; Oct. 7.
- Transmission line. A. O. Austin. 1,773,659; Aug. 19.
- Transmission-line device. N. A. Wahlberg. 1,750,249; Mar. 11.
- Transmission-line device. N. A. Wahlberg. 1,786,801; Dec. 30.
- Transmission lines, Cooling system for underground electric. F. W. Gay. 1,754,314; Apr. 15.
- Transmission lock. J. H. Bolles and F. C. Pearson. 1,762,116; June 3.
- Transmission lock. C. L. Johnson. 1,769,137; July 1.
- Transmission lock, Bridge-controlled. W. S. Rugg and H. J. Murray. 1,743,730; Jan. 14.
- Transmission lock, Safety. E. Nelson. 1,743,976; Jan. 14.
- Transmission-measuring system. F. H. Best. 1,746,239; Feb. 11.
- Transmission-measuring system. A. B. Clark and F. H. Best. 1,746,241; Feb. 11.
- Transmission mechanism. G. C. Carhart. 1,752,062; Mar. 25.
- Transmission mechanism. G. C. Carhart. 1,755,769; Apr. 22.
- Transmission mechanism. G. C. Carhart. 1,773,217; Aug. 19.
- Transmission mechanism. D. C. Dobbins. 1,782,342-3; Nov. 18.
- Transmission mechanism. J. Farley. 1,782,605; Nov. 25.
- Transmission mechanism. R. C. Goddard. 1,749,879; Mar. 11.
- Transmission mechanism. J. A. Johnson. 1,781,925; Nov. 18.
- Transmission mechanism. J. R. Kinney. 1,743,716; Jan. 14.
- Transmission mechanism. R. Petit. 1,774,843; Sept. 2.
- Transmission mechanism. K. J. Strigl. 1,750,787; Mar. 18.
- Transmission mechanism. F. A. Sweet. 1,751,770; Mar. 25.
- Transmission mechanism. H. H. Ward. 1,771,454; July 29.
- Transmission mechanism, Automatic. J. Nelson. 1,767,939; June 24.
- Transmission mechanism, Automatic. J. G. Vincent. 1,744,182; Jan. 21.
- Transmission mechanism, Automatic variable. W. Pitt. 1,752,755; Apr. 1.
- Transmission mechanism, Differential. E. C. Reid. 1,749,889; Mar. 11.
- Transmission mechanism, Electromagnetic. C. F. Ahlm. 1,780,150; Nov. 4.
- Transmission mechanism, Fluid-. W. C. Dunn. 1,761,255; June 3.
- Transmission mechanism, Fluid-controlled. C. H. Norrlin. 1,759,801; May 20.
- Transmission mechanism for excavators. G. T. Ronk. 1,757,336; May 6.
- Transmission mechanism for vending or like machines. L. H. Larsen and S. C. McKeown. 1,752,642; Apr. 1.
- Transmission mechanism, Friction. W. A. Ready. 1,744,675; Jan. 21.
- Transmission mechanism, Hydraulic. W. E. Parker. 1,763,565; June 10.
- Transmission mechanism, Variable-speed-. C. Gardner. 1,758,252; May 13.
- Transmission mechanism, Variable-speed power. F. A. Hayes. 1,756,061; Apr. 29.
- Transmission mechanism, Vibration. V. Himmer. 1,746,039; Feb. 4.
- Transmission, Motor-vehicle. F. A. Howard. 1,743,076; Jan. 7.
- Transmission network. T. E. Shea. 1,752,461; Apr. 1.
- Transmission of control impulses, Device for the remote. M. Eule. 1,771,170; July 22.
- Transmission of messages by electromagnetic waves. E. Bräuer. 1,768,287; June 24.

- Transmission of motion of rotating bodies, Device for. K. Kozaki. 1,745,898; Feb. 4.
- Transmission of orders, Device for the distant. R. Mercier. 1,759,318; May 20.
- Transmission of sound from gramophone records, Apparatus for the electrical. L. H. Pearson. 1,762,834; June 10.
- Transmission or torque converter, Variable. E. W. Rohrbacher. 1,767,311; June 24.
- Transmission, Overgear. H. Drew. 1,761,907; June 3.
- Transmission, Overgear. C. H. Sterling. 1,783,930; Dec. 2.
- Transmission, Overspeed. C. H. Sterling. 1,783,393; Dec. 2.
- Transmission regulation. E. Bruce. 1,778,750; Oct. 21.
- Transmission, Reversible inertia. J. A. Malm. 1,746,545; Feb. 11.
- Transmission, Semiautomatic gear-engaging. E. D. Bieretz and J. J. Neal. 1,772,029; Aug. 5.
- Transmission, Shock-absorbing. B. F. Seymour. 1,769,276; July 1.
- Transmission, Shuttle. J. R. Black. 1,743,844; Jan. 14.
- Transmission, Straight-line. J. A. Johnson. 1,781,924; Nov. 18.
- Transmission system. H. A. Affel. 1,773,126; Aug. 19.
- Transmission system. A. C. Dickieson. 1,762,768; June 10.
- Transmission system. R. D. Evans and H. K. Sels. 1,772,480; Aug. 12.
- Transmission system. C. L. Goodrum. 1,762,777; June 10.
- Transmission system. C. W. Hough. 1,757,121; May 6.
- Transmission system. F. J. Singer. 1,762,278-9; June 10.
- Transmission system. H. L. Tanner. 1,745,961; Feb. 4.
- Transmission system. H. L. Tanner. 1,768,966; July 1.
- Transmission system, Carrier-wave telegraphic. W. G. Fluharty. 1,749,739; Mar. 4.
- Transmission system, Electrical. E. W. Chafee and F. C. Narvesen. 1,743,189; Jan. 14.
- Transmission system, Electrical. R. G. McCurdy. 1,759,952; May 27.
- Transmission system, Electrooptical. F. Gray. 1,769,920; July 8.
- Transmission system, Electrooptical. F. Gray and J. R. Hefele. 1,769,918-19; July 8.
- Transmission system, Electrooptical. F. W. Reynolds. 1,773,119; Aug. 19.
- Transmission system, Facsimile. V. K. Zworykin. 1,786,812; Dec. 30.
- Transmission system for printing telegraphy, Carrier. H. A. Affel and B. P. Hamilton. 1,743,588; Jan. 14.
- Transmission system, Hydraulic. A. G. Ronning. 1,762,590; June 10.
- Transmission system, Mechanical. H. C. Harrison. 1,784,871; Dec. 16.
- Transmission systems, Measurement of echo effects in. D. Thierbach. 1,743,408; Jan. 14.
- Transmission, Three-speed. R. T. Wise. 1,745,075; Jan. 28.
- Transmission tower, Universal. P. H. Thomas. 1,746,804; Feb. 11.
- Transmission, Two-speed. R. T. Wise. 1,777,997; Oct. 7.
- Transmission, Vehicle. J. W. Beggs. 1,771,072; July 22.
- Transmission unit, Combined. P. E. Matthews. 1,743,226; Jan. 14.
- Transmission, Variable-speed. J. L. Allen. 1,766,240; June 24.
- Transmission, Variable-speed. H. B. Greening and J. W. Galloway. 1,787,267; Dec. 30.
- Transmission, Variable-speed. P. M. Stracke. 1,766,266; June 24.
- Transmission, Variable-speed gear. D. R. Francis. 1,767,787; June 24.
- Transmitter. F. Cirelli. 1,758,650; May 13.
- Transmitter. H. F. Fruth. 1,759,898; May 27.
- Transmitter. H. F. Fruth and T. O. Westhafer. 1,764,619; June 17.
- Transmitter. E. E. Kleinschmidt. 1,766,713; June 24.
- Transmitter. A. Lauterer. 1,760,242; May 27.
- Transmitter. A. B. Smith. 1,772,691; Aug. 12.
- Transmitter, Arc-lamp lens-disk. C. F. Jenkins. 1,763,357; June 10.
- Transmitter case, Telephone-. G. B. French. Des. 81,184; May 20.
- Transmitter, Cell persistence. C. F. Jenkins. 1,756,291; Apr. 29.
- Transmitter, Double-grid-tube. G. Jobst and H. Roder. 1,770,407; July 15.
- Transmitter, Electric. A. A. Thomas. 1,768,168; June 24.
- Transmitter element. L. H. Richmond. 1,747,265; Feb. 18.
- Transmitter, Pole-changer. J. W. Snyder. 1,743,494; Jan. 14.
- Transmitter, Short-wave tube. W. Scheppmann. 1,747,797; Feb. 18.
- Transmitter, Telegraph. J. R. Youngblood. 1,742,296-7; Jan. 7.
- Transmitter, Telemetric. K. Moeger. 1,743,792; Jan. 14.
- Transmitting and amplifying electric impulses, Apparatus for. A. A. Thomas. 1,760,383; May 27.
- Transmitting and receiving system. C. P. Sweeney. 1,769,868; July 1.
- Transmitting arrangement, Facsimile. F. Schröter, O. Schriever, and P. Schnitzeler. 1,746,407; Feb. 11.
- Transmitting device, Flexible. G. P. Luckey. Re17,639; Apr. 8.
- Transmitting documents electrically, Method and apparatus for. E. Belin. 1,760,866; June 3.
- Transmitting energy between shafts. H. Grob. 1,759,784; May 20.
- Transmitting mechanism, Motion-. G. C. Carhart. 1,746,765; Feb. 11.
- Transmitting mechanism, Motion-. B. Vallance. 1,748,907; Feb. 25.
- Transmitting signals. J. L. Baird. 1,781,799; Nov. 18.
- Transmitting system and apparatus. E. L. Peterson. 1,747,791; Feb. 18.
- Transparency. A. Sabath. 1,761,802; June 3.
- Transparent material, Shatterproof. E. Hopkinson. 1,777,309; Oct. 7.
- Transplanter. E. B. Alvord. 1,776,016; Sept. 16.
- Transplanter. I. E. Hafer. 1,766,818; June 24.
- Transplanter. T. H. Oppenheim. 1,753,017; Apr. 1.
- Transplanter. S. W. Vollink. 1,765,467; June 24.
- Transplanter. J. A. Williams. 1,778,701; Oct. 14.
- Transplanting device. W. R. Ober. 1,783,026; Nov. 25.
- Transplanting device, Tree-. C. F. Irish. 1,763,707; June 17.
- Transplanting machine. G. W. Rosso. 1,750,054; Mar. 11.
- Transplanting machine. S. W. Vollink. 1,765,468-9; June 24.
- Transplanting pot. W. Lam. 1,774,019; Aug. 26.
- Transport, Automatic loading. G. H. Conor. 1,759,975; May 27.
- Transportable apparatus for projecting moving pictures. A. L. V. C. Debie. 1,758,783; May 13.
- Transportation of loads, Apparatus for the. H. J. Bordes-Pagès. 1,744,569; Jan. 21.
- Transportation system. H. W. Kirchner. 1,746,658; Feb. 11.
- Transporting mechanism. O. H. Hansen. 1,772,543; Aug. 12.
- Transposition device. C. E. Pfautz. 1,761,046; June 3.
- Trap: See—
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| Absorption trap. | Liquid-seal trap. |
| Animal trap. | Mercury trap. |
| Back-water trap. | Mole and gopher trap. |
| Bath trap. | Mole and rat trap. |
| Beetle trap. | Mousetrap. |
| Bird trap. | Poultry trap. |
| Blowfly trap. | Radiator trap. |
| Boiler return and vacuum trap. | Roach trap. |
| Cage rat trap. | Rat trap. |
| Crab trap. | Rodent trap. |
| Drain trap. | Sand and scale trap. |
| Fish trap. | Sediment trap. |
| Fishing trap. | Self-thawing trap. |
| Gas trap. | Scale trap. |
| Insect trap. | Steam trap. |
| | Target trap. |
- Trap. A. E. Armstrong. 1,766,970; June 24.
- Trap. M. J. Petersen. 1,783,670; Dec. 2.
- Trap. H. H. Sawyer. 1,765,941; June 24.
- Trap. R. F. Taylor. 1,766,200; June 24.
- Trap. F. Welier. 1,753,814; Apr. 8.
- Trap and floor drain, Back-water. C. D. Bruno. 1,771,770; July 29.
- Trap and separator for immiscible liquids. J. B. Maclean. 1,756,869; Apr. 29.
- Trap for ice fishing. P. M. Joyal. 1,778,422; Oct. 14.
- Trap for pipe lines, Air. A. D. Lindsey. 1,746,785; Feb. 11.
- Trap for refrigerating systems, Liquid. A. C. Schickler. 1,762,197; June 10.
- Trap for taking live animals. W. A. Gibbs. 1,765,144; June 17.
- Trap structure, Fish-. W. G. Hume. 1,783,716; Dec. 2.
- Travel-scope, Illusory. J. G. Boyd. 1,756,175; Apr. 29.
- Traveling bag. W. Finkelstein. 1,742,204; Jan. 7.
- Traveling bag. G. A. Laprade. 1,742,656; Jan. 7.
- Traveling bag. S. Podmayer. Des. 80,964; Apr. 15.
- Traveling block. H. J. Byers. 1,771,484; July 29.
- Traveling block (Antifriction). J. J. Regan. 1,771,059; July 22.
- Traveling case. S. Apter. Des. 82,596; Nov. 25.
- Traveling case. S. Apter. Des. 82,782; Dec. 16.
- Trawl reel. G. Henrikson. 1,768,981; July 1.
- Trawling device, Shrimp-. J. W. Enright. 1,745,251; Jan. 28.
- Tray. R. F. Bowtell. Des. 81,683; July 29.
- Tray. A. Cannella. Des. 82,249; Oct. 14.
- Tray. H. Ipsen. 1,770,927; July 22.
- Tray. M. S. Lower. 1,753,611; Apr. 8.
- Tray. C. H. Miller. 1,745,805; Feb. 4.
- Tray. S. F. Pratt. 1,757,475; May 6.
- Tray. N. Tufts. Des. 81,769; Aug. 5.
- Tray, Adjustable. D. A. Sullivan and H. Millman. 1,746,720; Feb. 11.
- Tray and advertising device, Combined change. C. L. Kee. 1,754,363; Apr. 15.
- Tray and candle holder, Combination. D. Condon. Des. 80,779; Mar. 25.
- Tray and cigarette-package container, Combined ash. J. A. Dann. 1,749,467; Mar. 4.
- Tray and emergency drinking cup, Handy ash. J. C. Backus and W. L. Pierotti. 1,751,463; Mar. 25.
- Tray and receiver, Ash. S. D. Locke. 1,755,741; Apr. 22.
- Tray and safety receptacle therefor, Money. C. T. James. 1,786,160; Dec. 23.

- Tray and stand, Combined ash. L. Hoffberg. Des. 80,765; Mar. 18.
- Tray and stand therefor, Combined spiritual mass card. J. S. Brennan. Des. 80,828; Apr. 1.
- Tray, Ash. R. N. Baylis. Des. 82,128; Sept. 30.
- Tray, Ash. A. Culin. Des. 82,799; Dec. 16.
- Tray, Ash. A. Earles and E. H. Barbe. 1,775,160; Sept. 9.
- Tray, Ash. E. M. Grilley. 1,785,305; Dec. 16.
- Tray, Ash. H. Kershaw. Des. 82,033; Sept. 16.
- Tray, Ash. J. F. Klein. Des. 81,882; Aug. 26.
- Tray, Ash. N. Mock. 1,779,976; Oct. 28.
- Tray, Ash. T. R. Moss. 1,779,327; Oct. 21.
- Tray, Ash. G. D. Rubenstein. 1,764,692; June 17.
- Tray, Ash. H. A. Stern. 1,764,907; June 17.
- Tray, Ash. M. Sussman. Des. 80,813; Mar. 25.
- Tray, Ash. F. E. Wakefield. Des. 80,712; Mar. 11.
- Tray attachment for chairs or couches provided with arms. A. D. Parkinson. 1,771,231; July 22.
- Tray attachment for smokers' and like stands. J. S. Kandel. 1,752,272; Mar. 25.
- Tray, Barrel-conveying. K. F. Snow. 1,784,615; Dec. 9.
- Tray, Card-index. M. McDonald. 1,753,525; Apr. 8.
- Tray, Card-ledger. J. R. Clark. 1,774,914; Sept. 2.
- Tray, Cigar. C. F. Backmyer. 1,771,834; July 29.
- Tray, Coin. E. J. Brandt. 1,757,613; May 6.
- Tray, Combination. A. W. Kehler. Des. 80,842; Apr. 1.
- Tray, Combination smoker's. J. Henderson. 1,759,051; May 20.
- Tray, Compartment. D. Fisher. Des. 81,130; May 13.
- Tray, Drier. C. Dering. 1,777,402; Oct. 7.
- Tray, Electric service. H. G. Ford. 1,754,619; Apr. 15.
- Tray, Filing. S. Smiley, jr. 1,787,410; Dec. 30.
- Tray for dishwashing machines, Metal dish. W. B. Kauffmann. 1,760,307; May 27.
- Tray for incubators, Egg-turning. E. L. Godfrey and G. W. Wrenthmore. 1,768,197; June 24.
- Tray for pottery fabricating apparatus. W. J. Miller. 1,783,197; Dec. 2.
- Tray for refrigerating units. F. C. Geiler. 1,780,422; Nov. 4.
- Tray for refrigerators, Ice-cube. C. T. Hatch. 1,764,787; June 17.
- Tray for use on store counters, Display. E. O. Henderson. 1,787,373; Dec. 30.
- Tray for valve chambers, Protecting. C. H. Stout. 1,766,469; June 24.
- Tray, Hosiery-pressing. E. J. Schremp. 1,760,917; June 3.
- Tray, Ice-cream cone. A. D. Roese and G. L. Rea. Des. 80,426; Jan. 28.
- Tray, Ice-cube. C. B. Rhodes. 1,755,795; Apr. 22.
- Tray, Laundry. H. A. Blanchard. 1,771,570; July 29.
- Tray, Laundry. H. A. Blanchard. 1,771,611; July 29.
- Tray or similar article. J. C. Kelly. Des. 80,625; Mar. 4.
- Tray or similar article. W. C. McCartney. Des. 81,309; June 3.
- Tray or similar article. C. W. Meinecke. Des. 82,046; Sept. 16.
- Tray or similar article, Ash. A. von Frankenberg. Des. 80,502; Feb. 11.
- Tray or similar article, Ash. A. von Frankenberg. Des. 80,649; Mar. 4.
- Tray or similar article, Ash. A. von Frankenberg. Des. 82,197; Sept. 30.
- Tray or similar article, Ash. A. von Frankenberg. Des. 82,463; Nov. 4.
- Tray or similar article, Glass relish. J. C. Kelly. Des. 80,954; Apr. 15.
- Tray or similar article, Sandwich. W. C. McCartney. Des. 81,989; Sept. 9.
- Tray or smoker's stand, Ash. O. Reich. 1,756,760; Apr. 29.
- Tray or the like, Ash. A. Klein. Des. 82,894; Dec. 23.
- Tray, Posting. C. C. Benedict and H. A. Tullis. 1,755,764; Apr. 22.
- Tray, Posting. P. Bergmann. 1,760,805; May 27.
- Tray, Posting. P. Bergmann. 1,783,871; Dec. 2.
- Tray, Posting. R. M. Van Valkenburgh. 1,753,453; Apr. 8.
- Tray press, Automatic. P. N. Braun. 1,771,245; July 22.
- Tray, Record. R. R. West. 1,786,411; Dec. 23.
- Tray, Sand. J. H. Phillips. 1,744,079; Jan. 21.
- Tray, Self-serving. G. Glass, sr. 1,754,094; Apr. 8.
- Tray, Serving. C. H. Green. 1,754,713; Apr. 15.
- Tray, Sheet-handling. H. S. Jones. 1,767,241; June 24.
- Tray structure for wall shelving. W. F. Richardson. 1,772,497; Aug. 12.
- Tray, Vehicle service. A. C. Wood. 1,786,471; Dec. 30.
- Trays, Compressor plate for filing. N. S. Welk. 1,745,132; Jan. 28.
- Tread applier. H. T. Kraft. 1,781,285; Nov. 11.
- Tread for automobile running boards. G. E. Whitlock. 1,761,247; June 3.
- Tread forming and finishing machine. A. R. Krause. 1,767,246; June 24.
- Tread-forming machine. A. R. Krause and H. O. Hutchens. 1,768,912; July 1.
- Tread, Safety. H. G. Chapin. 1,757,992; May 13.
- Tread stock and making the same. W. B. Wescott. 1,767,234; June 24.
- Tread switch. G. Thom. 1,786,098; Dec. 23.
- Tread, Tractor. G. A. Sanguinetti. 1,747,488; Feb. 18.
- Treads for tires, Apparatus for manipulating rubber. J. E. Perrault and H. G. Ellis. 1,751,597; Mar. 25.
- Treads, Method and apparatus for applying tire. C. E. Maynard. 1,760,879; June 3.
- Treadle switch. E. Werner. 1,758,548; May 13.
- Treadles, Cushion pad for foot. J. Saltzman. 1,763,987; June 17.
- Treasure chest. H. P. Shriver. Des. 82,063; Sept. 16.
- Treating dispersions. F. R. Moser. 1,759,913; May 27.
- Treating material, Apparatus for. K. T. Potthoff. 1,757,735; May 6.
- Treatment for liners. P. Beebe. 1,785,667; Dec. 16.
- Treatment of loaded conductors, Heat. G. W. Elmen. 1,763,884; June 17.
- Tree: See—
- Artificial tree. Stocking tree.
- Shoe-tree.
- Tree, Artificial. A. Blazic. 1,749,097; Mar. 4.
- Tree excavating and removing apparatus. C. F. Irish. 1,770,407; July 15.
- Tree falling and lowering device. F. C. Fraser. 1,767,444; June 24.
- Tree lifter. F. Buehler. 1,761,425; June 3.
- Tree-moving apparatus. P. H. and J. A. Davey. 1,764,935; June 17.
- Tree protector. C. Hansen. 1,764,442; June 17.
- Tree pruner. J. P. Warrenfeltz. 1,765,187; June 17.
- Tree trimmer. M. Donkel. 1,761,469; June 3.
- Trees and apparatus therefor, Treating. P. H. Davey, H. L. Jacobs, and J. A. Davey. 1,756,453; Apr. 29.
- Trees, Fumigating. C. Vaughn. 1,757,276; May 6.
- Trees, Protecting. W. O. Snelling. 1,745,725; Feb. 4.
- Trees, Method of and apparatus for treating fruit. T. W. Johnson. 1,783,430; Dec. 2.
- Tremolo device, Adjustable. B. E. Mills. 1,750,325; Mar. 11.
- Trenching machine. R. L. Brown. 1,756,971; May 6.
- Trenching machine. H. Lamont. 1,777,439; Oct. 7.
- Trestle. M. W. Pitner. 1,778,566; Oct. 14.
- Trestle unloading apparatus. H. Adams. 1,761,166; June 3.
- Triaryl phosphates, Purification of. W. Gibson and C. R. Henshaw. 1,781,225; Nov. 11.
- Tricalcium saccharate, Continuous washing of. C. Steffen, jr. 1,757,979; May 13.
- Trigger switches, Guard for. E. A. Fowler. 1,767,873; June 24.
- Triglycerides with other esters, Conversion of. C. Van Loon. 1,744,596; Jan. 21.
- Trihalogenated ms-benzdianthrones. M. A. Kunz and K. Köberle. 1,758,841; May 13.
- Trihalogen benzene sulphochloride and preparing the same. R. Herz, E. Runne, and E. Albrecht. 1,763,556; June 10.
- Trim-saw lift unit. J. L. Goodspeed. 1,783,362; Dec. 2.
- Trimmer: See—
- Ditch trimmer. Lumber trimmer.
- Edge trimmer. Tire trimmer.
- Gum-stock trimmer. Tree trimmer.
- Hedge trimmer. Veneer trimmer.
- Trimmer. O. C. Beloin. 1,778,995; Oct. 21.
- Trimmer. O. O. Johnson. 1,786,849; Dec. 30.
- Trimmer for pottery-making machines. J. M. Strand. 1,775,215; Sept. 9.
- Trimmer or similar article, Hedge. G. S. Raven. Des. 80,288; Jan. 7.
- Trimmers, Straightedge for wall-paper. F. E. Edgren. 1,781,499; Nov. 11.
- Trimming device for tire-building machines. E. G. Templeton. 1,763,568; June 10.
- Trimming for automobiles, furniture, and the like. H. W. Buhler. 1,775,668; Sept. 16.
- Trimming installation. F. S. Carr. 1,760,265-6; May 27.
- Trimming machine. A. Cocozella. 1,747,577; Feb. 18.
- Trimming machine. S. J. Finn. 1,753,406; Apr. 8.
- Trimming machine. S. J. Finn. 1,761,011; June 3.
- Trimming machine. S. J. Finn. 1,774,549; Sept. 2.
- Trimming machine. P. R. Hoopes. 1,749,882; Mar. 11.
- Trimming machine. P. R. Hoopes. 1,756,826; Apr. 29.
- Trimming machine. W. J. Kent. 1,777,313; Oct. 7.
- Trimming machine. N. E. Sargeant. 1,786,676; Dec. 30.
- Trimming machine. F. E. Tower. 1,761,096; June 3.
- Trimming machine, Cone. E. Hamwi. 1,775,026; Sept. 2.
- Trimming machine, Rubber-tube. W. Nicholas. 1,753,299; Apr. 8.
- Trimming-material assembly. W. J. Hoskyns. 1,758,666; May 13.
- Trimming mechanism for grinding wheels. J. W. Snarry. 1,764,901; June 17.
- Trimming mechanism, Selvage. H. A. Davis. Re17,582; Feb. 4.
- Trimming strips, Apparatus for producing stitched. K. Maier. 1,764,846; June 17.
- Triodes, Protective system for. R. L. Davis. 1,749,568; Mar. 4.
- Trip block. J. Jordan. 1,745,696; Feb. 4.
- Trip device. A. E. Rutledge and E. T. Cleary. 1,761,052; June 3.
- Triphenyl methyl esters of dialkyl carbanic acids and preparing the same. S. M. Cadwell. 1,775,985; Sept. 16.
- Trip hook. G. J. Doering. 1,786,523; Dec. 30.
- Triplex web press. H. A. W. Wood. 1,757,157; May 6.
- Trip lock. C. N. Fairchild. 1,774,259; Aug. 26.
- Tripod. F. E. Garbutt and L. M. Griffith. 1,776,555; Sept. 23.
- Tripod, Camera. I. I. Green. 1,780,383; Nov. 4.
- Tripod head. I. Pechan. 1,780,039; Oct. 28.

- Tripod mounting for firearms. M. de Boigne. 1,778,626; Oct. 14.
 Tripping mechanism. B. P. Graves and W. F. Smith. 1,761,121; June 3.
 Trolley. W. Robertson. 1,744,987; Jan. 28.
 Trolley collector. A. W. Baumgarten and L. A. Bischman. 1,747,924; Feb. 18.
 Trolley collector. J. R. Blackhall. 1,777,955; Oct. 7.
 Trolley conveyer and trip hook therefor. O. R. Roddy. 1,768,493 June 24.
 Trolley Crane. A. E. Hogrebe. 1,781,281; Nov. 11.
 Trolley ear and attachment therefor. A. G. Scott. 1,787,091; Dec. 30.
 Trolley harp. L. Danesi. 1,775,388; Sept. 9.
 Trolley harp. J. D. Duby and G. W. Keilholz. 1,745,610; Feb. 4.
 Trolley head, Electric. K. M. Wilkins. 1,743,300; Jan. 14.
 Trolley hoist. C. H. Locher and J. P. Burt. 1,767,467; June 24.
 Trolley, Load-carrying. G. L. Hoxie. 1,772,005; Aug. 5.
 Trolley pole. E. D. Moore. 1,787,013; Dec. 30.
 Trolley-pole base. F. R. Dippman and E. D. Moore. 1,770,229; July 8.
 Trolley-pole base. E. D. Moore. 1,787,012; Dec. 30.
 Trolley retriever. P. N. Van Epp. 1,756,074; Apr. 29.
 Trolley silencer. E. D. Moore and F. R. Dippman. 1,786,717; Dec. 30.
 Trolley, Sliding. G. S. and O. Moore. 1,755,303; Apr. 22.
 Trolley suspension clamp. L. Johnston and F. A. Tice. 1,765,836; June 24.
 Trolley wheel. W. F. Graham. 1,763,303; June 10.
 Trolley-wire contactor. G. D. Rabun. 1,786,449; Dec. 30.
 Trolling spoon. G. F. Harvey. 1,755,647; Apr. 22.
 Trombone brace, Hand-adapted. E. Williams. 1,782,452; Nov. 25.
 Trough finder. H. Morgan and W. Stephenson. 1,757,917; May 6.
 Trough. F. C. Carrington. 1,776,548; Sept. 23.
 Trough and making same, Feeding. E. C. Lorentzen. 1,779,178; Oct. 21.
 Trough, Deck. J. G. Claybourn and L. Foote. 1,770,840; July 15.
 Trough, Eaves. M. Rachlin. Des. 82,957; Dec. 30.
 Trough, Food. A. W. Rowley. 1,774,947; Sept. 2.
 Trough for poultry, Feeding. A. B. Moe. 1,771,647; July 29.
 Trough for rolling mills, Looping. J. R. George. 1,752,841; Apr. 1.
 Trough, Poultry feed and water. O. H. Greene. 1,749,808; Mar. 11.
 Trough, Poultry feeding. R. E. Jones. 1,770,754; July 15.
 Trough, Stock-feeding. W. H. Miller. 1,759,131; May 20.
 Trough, Water. F. W. Guymon. 1,773,039; Aug. 12.
 Trough, Wiring. J. C. Lewis. 1,770,212; July 8.
 Trouser creaser. W. Walter. 1,744,937; Jan. 28.
 Trouser creaser and shaper, Combination. G. Prebensen. 1,755,893; Apr. 22.
 Trousers. M. Liberman. 1,780,356; Nov. 4.
 Trousers. S. F. Stein. 1,766,698; June 24.
 Trousers and height of waist bands, Device for measuring the inseams of men's. D. W. Dockstader. 1,783,906; Dec. 2.
 Trousers, Construction of. S. F. Stein. 1,766,697; June 24.
 Trousers hanger. K. Francesics. 1,780,153; Nov. 4.
 Trousers support and attaching means. C. F. Perthel. 1,752,199; Mar. 25.
 Trowel, Mason's molding. J. R. Baker and R. B. Parsons. 1,744,097; Jan. 21.
 Trowel, Plasterer's. J. Rooney. 1,763,066; June 10.
 Troweling machine for concrete or other plastic material. J. E. Kirkham. 1,780,427; Nov. 4.
 Truck. S. M. Chase. 1,757,953; May 13.
 Truck. J. W. Coates. 1,766,104; June 24.
 Truck. J. R. Dunbeck. 1,774,791; Sept. 2.
 Truck. C. Klein. 1,772,951; Aug. 12.
 Truck. F. G. Koehler. 1,749,978; Mar. 11.
 Truck. J. A. Lamont. 1,742,476; Jan. 7.
 Truck. R. D. Marx. 1,750,677; Mar. 18.
 Truck. C. M. Medairy. 1,749,107; Mar. 4.
 Truck. G. Parker. 1,784,746; Dec. 9.
 Truck. J. M. Rohlfing. 1,748,147; Feb. 25.
 Truck. J. A. Schoenberg and H. A. Sandholm. 1,763,542; June 10.
 Truck. W. Stuebing, jr. 1,785,368; Dec. 16.
 Truck. K. K. Wright. 1,778,654; Oct. 14.
 Truck. W. Zeindler. 1,785,064; Dec. 16.
 Truck and attachment therefor. Industrial. E. H. Remde. 1,753,720; Apr. 8.
 Truck and making same, Car. O. J. Horger. 1,742,860; Jan. 7.
 Truck and the like, Industrial. L. B. Jones. 1,750,639; Mar. 18.
 Truck, Antibanking car. T. H. Symington. 1,742,672; Jan. 7.
 Truck, Automobile. L. F. Phaneuf. 1,770,086; July 8.
 Truck, Automobile lift. R. J. Burrows. 1,782,865; Nov. 25.
 Truck bodies, Floor and corner structure for. S. E. Travis, jr. 1,762,000; June 3.
 Truck bodies, Sign-board structure for. S. E. Travis, jr. 1,761,999; June 3.
 Truck body. V. W. Coddington. 1,763,342; June 10.
 Truck body. S. E. Travis, jr. 1,759,876; May 27.
 Truck body. D. B. Youngblood. 1,781,208; Nov. 11.
 Truck body, Coal-. P. M. Thorn. 1,760,093; May 27.
 Truck-body partition. W. H. Edwards. 1,764,615; June 17.
 Truck-body-tilting apparatus. E. R. Barrett. 1,744,943; Jan. 28.
 Truck bolster. H. C. Dreibuss and G. S. Chiles. 1,757,765; May 6.
 Truck bolster. H. C. Dreibuss and G. S. Chiles. 1,781,106; Nov. 11.
 Truck bolster. M. H. Martin. 1,754,633; Apr. 15.
 Truck bolster, Cast-metal. H. C. Dreibuss and G. S. Chiles. 1,749,972; Mar. 11.
 Truck bolster, Railway-car-. T. H. Symington. 1,785,056; Dec. 16.
 Truck, Car. H. W. Alden and N. R. Brownier. 1,748,747; Feb. 25.
 Truck, Car. F. L. Barber and E. W. Webb. 1,787,031; Dec. 30.
 Truck, Car. N. R. Brownier. 1,782,192; Nov. 18.
 Truck, Car. S. P. Bush. 1,752,728; Apr. 1.
 Truck, Car. S. P. Bush. 1,758,350; May 13.
 Truck, Car. G. Cambaccini. 1,759,743; May 20.
 Truck, Car. A. H. Filander and G. T. Johnson. 1,745,664; Feb. 4.
 Truck, Car. M. R. Hansen. 1,760,196; May 27.
 Truck, Car. B. W. Kadel. 1,745,697-8; Feb. 4.
 Truck, Car. W. F. Kiesel, jr. 1,747,871; Feb. 18.
 Truck, Car. E. Latshaw. 1,763,434; June 10.
 Truck, Car. M. H. Martin. 1,783,737; Dec. 2.
 Truck, Car. P. J. McCullough. 1,757,936; May 6.
 Truck, Car. L. W. Melcher. 1,744,277; Jan. 21.
 Truck, Car. D. R. Richards. 1,744,986; Jan. 28.
 Truck, Car. H. D. Taylor. 1,757,272; May 6.
 Truck, Collapsible. J. A. Link. 1,773,190; Aug. 19.
 Truck construction. O. W. Fry. 1,750,665; Mar. 18.
 Truck construction, Car-. S. P. Bush. 1,745,736; Feb. 4.
 Truck construction, Car-. G. T. Johnson. 1,745,679; Feb. 4.
 Truck construction, Six-wheel-. C. L. Orr. 1,749,715; Mar. 4.
 Truck construction, Six-wheel-. C. L. Orr. 1,758,329; May 13.
 Truck, Continuous-tread. J. D. Rauch. 1,765,739; June 24.
 Truck, Convertible basket. W. A. Parsons. 1,742,485; Jan. 7.
 Truck, Crawling traction. B. S. Ferguson. 1,781,170; Nov. 11.
 Truck, Delivery. W. B. Fageol. 1,777,966; Oct. 7.
 Truck, Delivery. E. R. Whitney. Re17,610; Mar. 4.
 Truck, Direct-drive electric railway. V. G. Apple. 1,783,269; Dec. 2.
 Truck, Dumping. R. J. Burrown and H. D. Burnside. 1,786,560; Dec. 30.
 Truck, Dumping. A. S. Hughes and H. F. Gorsuch. 1,748,292; Feb. 25.
 Truck, Electric locomotive. A. Wallace. 1,776,174; Sept. 16.
 Truck, Electric motor. R. E. Jacobs. 1,786,069; Dec. 23.
 Truck, Elevating. D. E. Hennessy. 1,769,995; July 8.
 Truck, Elevating hand. R. Nuttall. 1,763,535; June 10.
 Truck end gate. E. C. Mikkelsen. 1,775,909; Sept. 16.
 Truck equalizer for steam shovels and the like. G. C. Voit. 1,745,820; Feb. 4.
 Truck, Fire. A. de la Mare. Des. 82,661; Dec. 2.
 Truck, Flexible convertible railroad-car. T. D. Phillips. 1,769,359; July 1.
 Truck for freight handling, Motor. W. C. Brinton. 1,745,598; Feb. 4.
 Truck for motor vehicles. R. D. Evans. 1,779,393; Oct. 21.
 Truck for railroad cars. A. H. Filander. 1,745,665; Feb. 4.
 Truck for railway rolling stock. R. F. Hall. 1,782,093; Nov. 18.
 Truck for tanks, Hoisting and tilting. C. T. Small. 1,753,756; Apr. 8.
 Truck for tractors, Front. B. R. Benjamin. 1,744,436; Jan. 21.
 Truck for transporting cementitious materials. O. T. and O. J. Graham. 1,780,973; Nov. 11.
 Truck for transporting concrete. E. N. Jones. 1,756,091; Apr. 29.
 Truck for winding machines, Bobbin-supply. J. O. McKean. 1,783,911; Dec. 2.
 Truck, Hand. W. A. Allison. 1,769,981; July 8.
 Truck, Hand. H. T. Hollowell. 1,745,258; Jan. 28.
 Truck, Hand. H. T. Hollowell. 1,768,053; June 24.
 Truck, Hand. F. J. Miller. 1,748,578; Feb. 25.
 Truck, Hand. T. H. Phillips. 1,744,672; Jan. 21.
 Truck, Hand. C. R. Tibbetts. 1,757,490; May 6.
 Truck, Hospital. A. Sheaser. 1,775,785; Sept. 16.
 Truck, Industrial. E. J. Abbe. 1,753,731; Apr. 8.
 Truck, Industrial. E. H. Remde. 1,768,149; June 24.
 Truck, Industrial. R. T. Romine. 1,772,733; Aug. 12.
 Truck, Industrial. E. H. Remde. 1,771,060; July 22.
 Truck, Industrial. E. H. Remde. 1,773,860; Aug. 26.
 Truck, Industrial. E. H. Remde. 1,777,476; Oct. 7.
 Truck, Janitor's. A. S. Thompson. 1,746,134; Feb. 4.
 Truck, Lift. A. M. Barrett. 1,773,931-5; Aug. 26.
 Truck, Lift. P. Groenke. 1,743,542; Jan. 14.
 Truck, Lift. C. L. Moorman. 1,750,277; Mar. 11.

- Truck, Lift. W. Stuebing, jr. 1,785,369; Dec. 16.
 Truck, Lifting. R. G. Hibbard. 1,744,894; Jan. 28.
 Truck, Lifting. W. Stuebing, jr. 1,750,289; Mar. 11.
 Truck, Lifting. W. Stuebing, jr. 1,776,523; Sept. 23.
 Truck load sections or trays. L. W. Shelhamer. 1,782,667; Nov. 25.
 Truck, Locomotive. E. O. Elliott. 1,774,361; Aug. 26.
 Truck, Locomotive. C. F. Krauss and H. K. Harwick. Re-17,764; Aug. 5.
 Truck, Locomotive. C. F. Krauss and H. K. Harwick. 1,750,527; Mar. 11.
 Truck, Locomotive trailer. C. T. Westlake. Re17,655; Apr. 29.
 Truck, Mining-machine. G. Bodin. 1,765,400; June 24.
 Truck, Mining-machine. O. D. Levin. 1,774,203; Aug. 26.
 Truck, Motor-car. H. D. Taylor. 1,778,203; Oct. 14.
 Truck on which boosters are mounted, Engine. H. Glaenzer. 1,784,790; Dec. 9.
 Truck, Porters. A. C. McHaffie. 1,765,985; June 24.
 Truck, Pump. W. H. Coburn and C. Kiernan. 1,759,252; May 20.
 Truck, Railway. D. S. Barrows. 1,753,105; Apr. 1.
 Truck, Railway. D. S. Barrows. 1,756,168; Apr. 29.
 Truck, Railway. D. S. Barrows. 1,775,114; Sept. 9.
 Truck, Railway. C. J. W. Clasen. 1,763,221-2; June 10.
 Truck, Railway. C. J. Ellis. 1,754,505; Apr. 15.
 Truck, Railway. O. K. Kjolseth. 1,751,336; Mar. 18.
 Truck, Railway. C. P. Noser. 1,785,970; Dec. 23.
 Truck, Railway. E. L. Schellens. 1,747,185; Feb. 18.
 Truck, Railway-car. C. J. W. Clasen. 1,748,035; Feb. 18.
 Truck, Railway-car. J. H. Elliott. 1,745,211; Jan. 28.
 Truck, Refrigerating. A. C. Smith. 1,758,477; May 13.
 Truck, Roller-bearing. J. A. Lamont. 1,765,432; June 24.
 Truck, Self filling and dumping. W. J. Zajkowski. 1,742,798; Jan. 7.
 Truck side frame. C. Hankins. 1,745,673; Feb. 4.
 Truck side frame. T. H. Symington. 1,745,728; Feb. 4.
 Truck side frame, Car-. J. W. Bettendorf. 1,750,344; Mar. 11.
 Truck, Snow-hauling. J. A. Ortiz. 1,785,423; Dec. 16.
 Truck, Sound-insulated coach. G. C. Batz. 1,779,157; Oct. 21.
 Truck spring, Manually and automatically adjustable. C. H. Linn. 1,744,558; Jan. 21.
 Truck spring, Railway-car. C. Hankins. 1,751,917; Mar. 25.
 Truck spring, Railway-car. C. Hankins. 1,764,163-5; June 17.
 Truck structure, Railway. H. M. Pfleger. 1,765,879; June 24.
 Truck tank. A. Davis, jr. 1,774,086; Aug. 26.
 Truck tanks, Siphon outlet for. A. A. Kramer. 1,757,317; May 6.
 Truck, Trailer. C. B. Harbison. 1,777,752; Oct. 7.
 Truck trailer, Motor-. J. Salomonsen. 1,787,213; Dec. 30.
 Truck train, Dumping-. R. H. Crisler. 1,749,274; Mar. 4.
 Truck, Two-wheel locomotive. J. S. Keen and E. M. Shannon. 1,780,082; Oct. 28.
 Truck, Utility. J. W. Strippel. 1,742,735; Jan. 7.
 Trucks, Leveling freight. B. F. Fitch. 1,778,852; Oct. 21.
 Trucks, Package tying and conveying. C. W. Halteman. 1,777,694; Oct. 7.
 Trucks, Resilient unit for car. J. F. O'Connor. 1,743,864; Jan. 14.
 Trucks, Sand spreader for. M. Lachner. 1,751,928; Mar. 25.
 Trucks, Tiering means for elevating. G. M. Turner. 1,742,738; Jan. 7.
 Trucks, Wheeled attachment for motor. W. R. McCulla. 1,751,871; Mar. 25.
 Truing and sharpening machine. Lawn-mower reel. W. O. Blackmun. 1,766,277; June 24.
 Truing device. H. W. Holmes. 1,750,175; Mar. 11.
 Truing device for abrasive wheels used in producing ground articles. L. R. Heim. 1,772,544; Aug. 12.
 Truing mechanism. G. W. Binns. 1,753,682; Apr. 8.
 Truing wedge for matrix-setting and line-casting machines. E. G. Albrecht. 1,767,110; June 24.
 Trumpet, Ear. H. D. Hinternes. 1,761,666; June 3.
 Trunk. J. V. Bosque. 1,772,304; Aug. 5.
 Trunk. M. F. Griffin. Des. 81,533; July 8.
 Trunk. R. E. Harris. 1,769,642; July 1.
 Trunk and luggage carrier, Combined. O. S. Nelson. 1,771,650; July 29.
 Trunk and luggage rack. W. W. Wilson. 1,753,077; Apr. 1.
 Trunk attachment. W. W. Tooker. 1,747,959; Feb. 18.
 Trunk, Automobile. C. Billburg. 1,777,390; Oct. 7.
 Trunk, Automobile. J. C. Hoffman. 1,770,309; July 8.
 Trunk, Expansive vehicle. J. C. Hoffman. 1,768,405; June 24.
 Trunk, Hand wardrobe. G. W. Woods. 1,745,137; Jan. 28.
 Trunk lock. C. Hinde. 1,745,422; Feb. 4.
 Trunk lock. A. J. Komenak. 1,761,570; June 3.
 Trunk lock. A. T. Long. 1,747,120; Feb. 11.
 Trunk, Metallic. L. M. La Duke. 1,767,143; June 24.
 Trunk, Wardrobe. G. P. Cragin. 1,771,161-2; July 22.
 Trunking system. F. S. Entz. 1,763,036; June 10.
 Trunking system. W. A. Rhodes and J. F. Dahl. 1,746,793; Feb. 11.
 Trunking system, Automatic toll-serve. V. S. Tharp and J. Wicks. 1,786,041; Dec. 23.
 Trunking system, Interoffice. W. T. Powell. Re17,839; Oct. 21.
 Trunnion for barrels or other articles. J. R. Coe. 1,758,824; May 13.
 Trunnion joint and the lubrication thereof and of associated parts. J. Bijur. 1,756,335-6; Apr. 29.
 Truss. T. M. Cameron. 1,776,864; Sept. 30.
 Truss. G. F. Hogan. 1,747,714; Feb. 18.
 Truss. J. G. Homan. 1,771,256; July 22.
 Truss. J. L. McKeown. 1,762,786; June 10.
 Truss, Abdominal. E. Koerber. 1,773,147; Aug. 19.
 Truss and like appliance, Surgical. A. J. Plumb. 1,778,001; Oct. 7.
 Truss brace. L. F. Crowley. 1,780,579; Nov. 4.
 Truss, Hernia. G. Swallow. 1,776,986; Sept. 30.
 Truss, Hernial. H. Graham. 1,780,074; Oct. 28.
 Truss pad. F. E. Chesterman. 1,750,461; Mar. 11.
 Truss, Roof. C. R. Spink. 1,744,342; Jan. 21.
 Trussed structure. H. F. Frease. 1,774,827; Sept. 2.
 Trussed structure. F. H. Moyer and C. A. Frahm. 1,751,747; Mar. 25.
 Tub: See—
 Rinse tub. Sea tub.
 Tub. J. Barta. 1,778,620; Oct. 14.
 Tub beater. R. H. Breyfogel. 1,774,195; Aug. 26.
 Tub for babies, Bathing. R. L. Smith. 1,766,557; June 24.
 Tub stand. W. E. Rideout. 1,759,371; May 20.
 Tubs, trucks, and the like, Derailing. C. O. Deacon. 1,776,107-8; Sept. 16.
 Tube: See—
 Circulating tube. Mail tube.
 Collapsible tube. Permanent-waving tube.
 Discharge tube. Power tube.
 Dispensing tube. Pyrometer tube.
 Drill tube. Radiator tube.
 Electric tube. Radio tube.
 Electrical discharge tube. Rectifying tube.
 Finned tube. Sample tube.
 Fluorescent tube. Superheater tube.
 Gas-filled tube. Swimming tube.
 Hearing tube. Thermionic tube.
 Heat-conducting tube. Vacuum tube.
 Inner tube. X-Ray tube.
 Mail and parcel tube.
 Tube. E. J. Elting. Des. 82,255; Oct. 14.
 Tube. H. S. Gillett. 1,761,034; June 3.
 Tube adapter. C. F. Goudy. 1,774,646; Sept. 2.
 Tube and cleaner for domestic boilers and heaters, Cold-water. W. Eiermann. 1,767,919; June 24.
 Tube and cleaner for domestic boilers and heaters, Cold-water. W. Eiermann. 1,768,039; June 24.
 Tube and flue expander. G. Wiedeke. 1,744,850; Jan. 28.
 Tube and forming the same. S. A. Neidich. 1,769,598; July 1.
 Tube and method therefor, Externally and internally finned. H. W. Bundy. 1,777,782; Oct. 7.
 Tube and pipe coupling, Combined. A. La R. Parker. 1,774,841; Sept. 2.
 Tube apparatus, Electron-. S. Ruben. 1,755,796; Apr. 22.
 Tube assembly for heat-transfer devices. W. A. Daley. 1,767,652; June 24.
 Tube beacon, Electroluminescent. A. L. Brandt, sr. 1,746,024; Feb. 4.
 Tube bender. C. N. Matthews. 1,762,234; June 10.
 Tube boiler, Water-. K. L. Martin. 1,777,674; Oct. 7.
 Tube cap. G. Hawkins. 1,779,703; Oct. 28.
 Tube cap, Paste. R. M. Witt. 1,772,379; Aug. 5.
 Tube carrier, Selective pneumatic-. W. H. Francis. 1,776,068; Sept. 16.
 Tube-centering mechanism. W. G. Dows. 1,746,696; Feb. 11.
 Tube circuits and the like and controlling the same, Vacuum-. E. R. Stoekle. 1,773,503; Aug. 19.
 Tube cleaner. F. W. Linaker and T. M. Bruback. 1,748,387; Feb. 25.
 Tube cleaner. T. C. Wilson. 1,771,428; July 29.
 Tube closure or header. H. B. Coffin. 1,758,909; May 13.
 Tube compressor, Toilet-paste-. A. O. Schaefer. 1,783,101; Nov. 25.
 Tube containing auxiliary electrodes. Discharged. J. M. Schmierer. 1,750,058; Mar. 11.
 Tube cooler, Rotary. R. Bernhard. 1,769,412; July 1.
 Tube cutter. S. N. Arnold. 1,748,099; Feb. 25.
 Tube cutting and rotating machine. O. F. Kleeb and H. J. Fullerton. 1,745,699; Feb. 4.
 Tube-cutting machine. O. Glässer and E. Flemnitz. 1,753,827; Apr. 8.
 Tube developer, Portable. R. F. Allin. 1,743,012; Jan. 7.
 Tube evacuator. E. S. Grigsby. 1,760,945; June 3.
 Tube expander. O. Zein. 1,752,408; Apr. 1.
 Tube expander and flarer. G. R. Maupin. 1,747,376; Feb. 18.
 Tube expander and flarer. G. R. Maupin. 1,747,723; Feb. 18.
 Tube expanders and the like, Operating device for. G. Wiedeke. 1,785,103; Dec. 16.
 Tube-flanging wrench. J. Canny and H. Blondeau. 1,783,639; Dec. 2.
 Tube for inflatable bodies, Filling. S. Saul. 1,762,893; June 10.
 Tube for the winding of yarns and threads. A. Lindenberg. 1,769,928; July 8.
 Tube forming and reeling machine. L. A. Becker and J. M. Munson. 1,787,232; Dec. 30.
 Tube-forming method and means. T. L. Fawick. 1,768,589; July 1.
 Tube generator, Polyphase electron-. R. D. Duncan, jr. 1,745,611; Feb. 4.

- Tube joint. J. F. Arthur. 1,768,095; June 24.
 Tube joints, Making. G. L. Tarbox and C. W. Spicer. 1,775,055; Sept. 2.
 Tube making, Vacuum-. F. S. McCullough. 1,787,082; Dec. 30.
 Tube mill. W. Jaedel. 1,780,132; Oct. 28.
 Tube mill, etc. M. Treschow. 1,747,609; Feb. 18.
 Tube mills, Feeding mechanism for. A. G. Place. 1,767,810; June 24.
 Tube mounting. N. C. Schellenger. 1,768,297; June 24.
 Tube or shaft, Metallic. A. E. Lard. 1,774,385; Aug. 26.
 Tube-polishing machine and method of polishing tubes. H. D. Stevens. 1,768,330; June 24.
 Tube protector, Collapsible-. N. O. Johnson. 1,782,429; Nov. 25.
 Tube-rotating apparatus. R. C. Stiefel. 1,762,427; June 10.
 Tube sheet. C. W. Gordon. 1,756,458; Apr. 29.
 Tube shield. R. Ramsdell. 1,782,443; Nov. 25.
 Tube-skiving apparatus. H. E. Waner and W. B. Freeman. 1,771,471; July 29.
 Tube socket. N. C. Schellenger. 1,768,298; June 24.
 Tube sockets, Adapter for vacuum-. G. Butzke. 1,778,062; Oct. 14.
 Tube-splicing apparatus. F. J. Shook. 1,761,754; June 3.
 Tube-splicing press. C. E. Maynard. 1,786,440; Dec. 30.
 Tube still furnace. H. Thomas. 1,782,885; Nov. 25.
 Tube-stock feeding, measuring, and cutting machine. A. R. Krause and A. C. Hirsch. 1,782,658; Nov. 25.
 Tube-stripping machine. H. T. Kraft. 1,755,065; Apr. 15.
 Tube-stripping machine, Inner-. A. R. Krause and A. C. Hirsch. 1,773,364; Aug. 19.
 Tube system, Discharge-. W. Hahnemann. 1,750,102; Mar. 11.
 Tube system, Pneumatic. W. V. McGuinness. 1,784,968; Dec. 16.
 Tube-tapering apparatus. F. Müller. 1,783,384; Dec. 2.
 Tube temperature and loss indicating device. L. A. Gebhard. 1,762,859; June 10.
 Tube transmitter, Externally-controlled. F. Trautwein. 1,749,269; Mar. 4.
 Tube-transporting device. O. Bamberger. 1,783,555; Dec. 2.
 Tube vulcanizer. A. J. Fleiter, H. C. Bostwick, and T. A. Miller. 1,756,058; Apr. 29.
 Tubing. H. W. Bundy. 1,763,755; June 17.
 Tubing and manufacturing the same, Integral finned. A. A. Locke. 1,761,733; June 3.
 Tubing cleaner and protector. J. C. Armstrong and J. E. Wallis. 1,758,995; May 20.
 Tubing drain. W. H. Allen and M. E. Standifer. 1,756,499; Apr. 29.
 Tubing, Flexible. G. L. Wanamaker. 1,775,334; Sept. 9.
 Tubing for newel posts, Square. H. Felsenthal. 1,785,025; Dec. 16.
 Tubing for oil wells. H. A. Bardeen. 1,774,075; Aug. 26.
 Tubing hook. W. A. O'Bannon. 1,747,128; Feb. 11.
 Tubing-line attachment. A. L. Billenwillms. 1,750,564; Mar. 11.
 Tubing machine. J. W. Devine. 1,768,671; July 1.
 Tubing, Making. C. E. Githler. 1,767,923; June 24.
 Tubing, Making electrically-welded. J. W. Holt. 1,783,571; Dec. 2.
 Tubing, Method of and apparatus for making. H. R. Boals. 1,749,016; Mar. 4.
 Tubes, Accessory device for collapsible. F. Wolf. 1,773,248; Aug. 19.
 Tubes and other containers, Closure to paste. W. G. Clara. 1,775,119; Sept. 9.
 Tubes and analogous articles with lead, Device for treating rough. G. de Dudzele. 1,780,870; Nov. 4.
 Tubes and the like, Making flanged. H. S. Holmes. 1,776,855; Sept. 30.
 Tubes, Apparatus for cleaning economizer. J. E. Bell. 1,764,189; June 17.
 Tubes, Apparatus for exhausting. G. van der Hoeven. 1,777,022; Sept. 30.
 Tubes, Apparatus for extruding. C. S. McChesney and H. H. Clark. 1,744,130; Jan. 21.
 Tubes, Apparatus for forming tapered. L. H. Brinkman. 1,778,181; Oct. 14.
 Tubes, Attachment for collapsible. G. S. Turner. 1,765,114; June 17.
 Tubes, Cap structure for collapsible. F. L. Fox. 1,753,239; Apr. 8.
 Tubes, End connector for. M. A. Capeliuschnicoff. 1,785,727; Dec. 23.
 Tubes from a hollow block, Method of and apparatus for rolling. M. Roeckner. 1,767,896; June 24.
 Tubes from hollow blocks, Rolling. M. Roeckner. 1,771,420; July 29.
 Tubes, Holder for collapsible. F. Wolf. 1,775,797; Sept. 16.
 Tubes in flyer spinning and like frames, Oiling groups of spinning. T. A., H. A., and J. Boyd. 1,775,584; Sept. 9.
 Tubes internally and externally, Electroplating. V. L. Soderberg and C. R. Gleason. 1,759,171; May 20.
 Tubes, Making progressively-reduced. W. Withington. 1,765,709; June 24.
 Tubes, Making rubber. C. E. Snyder. 1,763,106; June 10.
 Tubes, Manufacture of butt and lap welded. D. W. Chisholm. 1,745,741; Feb. 4.
 Tubes, Method and apparatus for forming. P. A. Favre. 1,743,960; Jan. 14.
 Tubes, Method and apparatus for manufacture of seamless metallic. T. H. Nelson. 1,773,748; Aug. 26.
 Tubes, Method and machine for hanging. E. K. Holmes. 1,775,766; Sept. 16.
 Tubes, Method of and machine for making heat-transmitting. W. J. Still. 1,778,514; Oct. 14.
 Tubes of celluloid and the like, Making. W. Mendel. 1,755,786; Apr. 22.
 Tubes of surface condensers and the like to prevent corrosive action, Method of and in apparatus for treating the. J. Austin and H. Smith. 1,758,810; May 13.
 Tubes or shafts, Producing metallic. A. E. Lard. 1,774,386; Aug. 26.
 Tubes, Packing. L. M. Littlefield. 1,784,366; Dec. 9.
 Tubes, poles, and the like from reenforced concrete centrifugally, Device for the production of. P. Zehnder. 1,752,626; Apr. 1.
 Tubes, Rolling. A. T. Keller. 1,782,968; Nov. 25.
 Tubes, Shaping. E. J. Gulick. 1,764,561; June 17.
 Tubes to bulbs, Attaching capillary. H. Schlaich. 1,771,194; July 22.
 Tubes with smooth ribs, Method and device for making ribbed. H. Dorndorf. 1,775,555; Sept. 9.
 Tubular articles, Manufacturing. W. Merrill. 1,773,924; Aug. 26.
 Tubular articles, Method and apparatus for rolling. H. S. Newlin and W. E. Date. 1,760,278; May 27.
 Tubular articles, Method of and apparatus for forming heads on. R. K. Hopkins. 1,751,085; Mar. 18.
 Tubular articles, Method of and apparatus for operating on. H. F. Gruman. 1,786,298; Dec. 23.
 Tubular bodies, Process and device for drying. J. Voss. 1,759,495; May 20.
 Tubular burner. R. Thurm. 1,758,414; May 13.
 Tubular burner. R. Thurm and E. O. Engels. 1,758,628; May 13.
 Tubular-column-forming machine. E. W. Riemenschneider. 1,765,384; June 24.
 Tubular device, Electrical. G. S. Faber. 1,762,220; June 10.
 Tubular member. E. B. Carns. 1,750,833; Mar. 18.
 Tubular members, Attachment for. J. S. Reid. 1,786,721; Dec. 30.
 Tubular members, Connecting. E. P. Lehmann. 1,785,129; Dec. 16.
 Tubular members, Uniting. F. R. Grady. 1,753,005; Apr. 1.
 Tubular objects, Making tapered. M. L. Hunker. 1,748,772; Feb. 25.
 Tubular structure and forming the same, Fabricated. R. W. Griswold, 2d. 1,773,357; Aug. 19.
 Tucking attachment for knitting machines. A. E. Page. 1,763,439; June 10.
 Tufting machine. C. A. Dahlen. 1,757,795; May 6.
 Tufts on wire brushes, Machine for making. W. Hertzberg. 1,757,367; May 6.
 Tumbler. E. B. Adams. Des. 80,508; Feb. 18.
 Tumbler. E. E. Bartlett. Des. 81,427; June 17.
 Tumbler. J. Kirkpatrick. Des. 81,984; Sept. 9.
 Tumbler. J. M. Payne, jr. Des. 82,953-4; Dec. 30.
 Tumbler and bottle opener, Combination. C. E. Tapp. 1,755,086; Apr. 15.
 Tumbler and conveyer, Fruit. F. S. Colvin and J. V. Rogers. 1,763,883; June 17.
 Tumbler or similar article. E. E. Bartlett. Des. 80,596; Mar. 4.
 Tumbler or similar article. J. E. Marsden. Des. 81,061; Apr. 29.
 Tumbler or similar article. O. J. Mosser. Des. 80,330; Jan. 14.
 Tumbler or similar article. A. C. Parker. Des. 82,238; Oct. 7.
 Tuner. M. M. Eells. 1,755,982; Apr. 22.
 Tungsten filament, Thoriated. J. H. Ramage. 1,764,644; June 17.
 Tuning device for radio apparatus. M. S. Howard. 1,765,587; June 24.
 Tuning device, Selector. J. O. Prescott. 1,759,664; May 20.
 Tuning device, Selector. J. O. Prescott. 1,783,671; Dec. 2.
 Tuning fork, Adjustable. A. F. Connery and F. G. Hallden. 1,746,106; Feb. 4.
 Tuning fork, Electrical. F. Holweck. 1,781,513; Nov. 11.
 Tuning forks to generate audio frequency current as a medium for sound, Method of and apparatus for employing. M. Schumm. 1,753,069; Apr. 1.
 Tuning mechanism. L. S. Hubbell. 1,777,796; Oct. 7.
 Tuning peg for stringed musical instruments. J. G. Sparkes. 1,743,007; Jan. 7.
 Tuning-slide-actuating mechanism. E. J. Gulick. 1,759,824; May 20.
 Tuning system, Electrical. F. A. Kolster. 1,743,039; Jan. 7.
 Tuning unit. W. K. McIver. 1,772,839; Aug. 12.
 Tuning units to dial controls, Attachment for connecting. S. A. Shapiro. 1,751,560; Mar. 25.
 Tunnel. R. V. Proctor. 1,785,096; Dec. 16.
 Tunnel kiln. A. McD. Duckham. 1,758,785; May 13.
 Tunnel liner. R. V. Proctor and H. M. Schaab. 1,757,813; May 6.
 Tunnels, shafts, and the like, Lining for. J. H. Humphries. 1,779,275; Oct. 21.
 Tunnels with concrete and apparatus therefor, Lining. R. C. Hackley. 1,751,147; Mar. 18.
 Turbine. R. G. Dugas. 1,776,893; Sept. 30.

- Turbine. E. N. Fales. 1,786,057; Dec. 23.
 Turbine. S. Hackenberg. 1,781,059; Nov. 11.
 Turbine. H. J. Hanzlik. 1,762,332; June 10.
 Turbine. C. Rix. 1,777,450; Oct. 7.
 Turbine and condenser, Combined. F. Hodgkinson. 1,763,237; June 10.
 Turbine and valve structure for use therewith, Elastic-fluid. J. Schmidt. 1,774,997; Sept. 2.
 Turbine apparatus. L. F. Moody. 1,776,392; Sept. 23.
 Turbine arrangement, Cruising-. J. F. Metten. 1,756,298; Apr. 29.
 Turbine assemblage, Elastic-fluid-. J. H. Doran. 1,760,545; May 27.
 Turbine, Axial-flow steam. A. Lysholm. 1,745,429; Feb. 4.
 Turbine, Back-pressure. K. Frey. 1,750,262; Mar. 11.
 Turbine blade. J. L. Ray. 1,762,352; June 10.
 Turbine blade. H. F. Schmidt. 1,762,361; June 10.
 Turbine blade and producing same. R. C. Allen. 1,771,023; July 22.
 Turbine blading. R. C. Allen. 1,751,570; Mar. 25.
 Turbine blading and lashing therefor. H. R. Stevenson. 1,749,449; Mar. 4.
 Turbine blades, Apparatus for making. R. C. Allen. 1,771,368; July 22.
 Turbine blades, Making. J. L. Ray. 1,751,758; Mar. 25.
 Turbine-control mechanism, Bleeder. O. N. Bryant. 1,778,004; Oct. 7.
 Turbine cooled by steam, Gas. H. Holzwarth. 1,776,832; Sept. 30.
 Turbine, Elastic-fluid. K. Baumann. 1,779,417; Oct. 28.
 Turbine, Elastic-fluid. R. H. Collingham. 1,743,759; Jan. 14.
 Turbine, Elastic-fluid. L. C. Fletcher. 1,786,942; Dec. 30.
 Turbine, Elastic-fluid. H. L. Guy. 1,786,993; Dec. 30.
 Turbine, Elastic-fluid. J. H. Horan. 1,778,066; Oct. 14.
 Turbine, Elastic-fluid. H. F. Schmidt. 1,756,958; May 6.
 Turbine, Explosion. H. Holzwarth. 1,757,574; May 6.
 Turbine, Gas. S. Abrahams. 1,756,446; Apr. 29.
 Turbine, Gas. C. E. Hemminger. 1,774,972; Sept. 2.
 Turbine, High-pressure steam. W. Pape. 1,750,814; Mar. 18.
 Turbine, Hydraulic. L. F. Moody. 1,769,887; July 1.
 Turbine, Hydraulic. L. F. Moody. 1,786,166; Dec. 23.
 Turbine, Hydraulic. F. Nagler. 1,748,893; Feb. 25.
 Turbine motor. G. McDowell. 1,778,331; Oct. 14.
 Turbine, Multistage combustion. H. Holzwarth. 1,757,045; May 6.
 Turbine, Multistage gas. H. Holzwarth. 1,775,527; Sept. 9.
 Turbine-regulating device. G. A. Biggs. 1,782,456; Nov. 25.
 Turbine-regulating means. R. G. Standerwick. 1,759,763; May 20.
 Turbine, Steam. C. F. J. Charliss. 1,777,428; Oct. 7.
 Turbine, Steam. K. Röder. 1,759,817; May 20.
 Turbine, Steam. K. Röder. 1,787,263; Dec. 30.
 Turbine support. J. L. Ray. 1,751,602; Mar. 25.
 Turbine-wheel propeller or motor. L. L. Kahn. 1,775,593; Sept. 9.
 Turbine with a high specific speed, water. R. Hofmann. 1,748,768; Feb. 25.
 Turbines and the like, Emergency governing mechanism for elastic-fluid. R. J. Caughey. 1,756,850; Apr. 29.
 Turbines, Blade system of gas or steam. A. Lysholm. 1,777,098; Sept. 30.
 Turbines, Control mechanism for air. L. Constantin. 1,757,039; May 6.
 Turbines, Lubricating steam. G. W. Burkhardt. 1,778,447; Oct. 14.
 Turbines, Runner for. L. F. Moody. 1,762,124; June 3.
 Turbines, Starting steam. H. A. Bucher. 1,748,634; Feb. 25.
 Turn signal. L. M. Bearland. 1,749,690; Mar. 4.
 Turning and boring mill. E. A. Muller. 1,762,561; June 10.
 Turning and heading machine. W. Kirchner and F. J. Sheldon. 1,750,932; Mar. 18.
 Turning device for sprinkling systems, Automatic. B. J. Nelson. 1,755,455; Apr. 22.
 Turning machine, Automatic. G. F. Yager. 1,773,035; Aug. 12.
 Turning machines, Feed-control means for. C. L. Mattison. 1,780,203; Nov. 4.
 Turning signal, Automobile. J. Johnson. 1,746,480; Feb. 11.
 Turnout, Portable. H. Boushear. 1,757,165; May 6.
 Turnstile, Coin-controlled. W. W. Slawson. 1,772,468; Aug. 12.
 Turnstile, Multiple - coin - controlled. G. E. Grover. 1,758,514; May 13.
 Turntable. G. W. Bowen. 1,770,567; July 15.
 Turntable. E. C. Cook. 1,753,550; Apr. 8.
 Turntable. T. W. Mundt. 1,786,258; Dec. 23.
 Turntable. R. Thompson. 1,768,014; June 24.
 Turntable. J. L. Wood and V. Willoughby. 1,748,095; Feb. 25.
 Turntable for tripods and the like. C. A. Bornmann. 1,771,523; July 29.
 Turntable for vehicles. O. L. Coffey. 1,772,858; Aug. 12.
 Turntable or revolving show stand for shop windows and the like. A. Schlick. 1,768,217; June 24.
 Turntable, Vehicle-propelled. G. S. Exon. 1,772,075; Aug. 5.
 Turpentine and pine-tar oils into heavier oils, Converting. E. B. Smith. 1,784,949; Dec. 16.
 Turpentine, Refining the raw oil of. F. Schlosser and M. Paquin. 1,755,668; Apr. 22.
 Turpentine substitute from pine oil, Producing. I. W. Humphrey. 1,772,895; Aug. 12.
 Turret indexing and locking means. M. S. Curtis. 1,748,540; Feb. 25.
 Tuyère. R. E. Brakeman. 1,773,944; Aug. 26.
 Tuyère. A. H. Fosdick. 1,762,814; June 10.
 Tuyère. A. Laist. 1,769,146; July 1.
 Tuyère for blast furnaces. E. H. Holzworth. 1,759,114; May 20.
 Tuyère for metallurgical blast furnaces. W. A. Haven. 1,772,864; Aug. 12.
 Tuyère, Water-cooled. R. H. Ledbetter. 1,774,444; Aug. 26.
 Tweezers. I. B. Glass. 1,767,175; June 24.
 Tweezers. S. Segal. 1,758,475; May 13.
 Tweezers. C. W. Stickel and W. R. Tuttle. 1,785,919; Dec. 23.
 Tweezers, Soldering. J. Aderer. 1,758,490; May 13.
 Twin-unit heater. E. H. Seelert. 1,778,732; Oct. 21.
 Twine cutter. J. Arthur. 1,776,715; Sept. 23.
 Twine cutter. W. O. Carley. 1,764,287; June 17.
 Twine cutter. A. G. Croft. 1,760,043; May 27.
 Twine holder for grain binders. L. A. Paradise. 1,762,583; June 10.
 Twist drill. G. L. Peakes. 1,762,736; June 10.
 Twist-off preventer. J. A. Zublin. 1,759,337; May 20.
 Twister. J. E. De Courcy. 1,744,619; Jan. 21.
 Twister head. F. K. Hendrickson and H. Mitchell. 1,774,371; Aug. 26.
 Twister ring and traveler. G. H. Gilligan. 1,748,710; Feb. 25.
 Twister rings, Traveler for. L. S. Hall. 1,777,846; Oct. 7.
 Twisting frame, Flyer. F. Bauman. 1,772,303; Aug. 5.
 Twisting machine. H. M. Hessenbruch. 1,772,139; Aug. 5.
 Twisting machine. J. E. Millett. 1,766,222; June 24.
 Twisting machine. W. K. Weston. 1,784,859; Dec. 16.
 Twisting machines, Yarn stop motion for. C. Aveyard. 1,783,897; Dec. 2.
 Twisting traveler for twisting rings. H. J. Murphy. 1,773,631; Aug. 19.
 2-amine-beta-phenyl-anthraquinone by amination, Preparation of. P. H. Groggins. 1,786,531; Dec. 30.
 2-aminoanthraquinone, Purification of. W. M. Murch and W. J. Cauwenberg. 1,744,055; Jan. 21.
 2-aryl-4,6-dihydroxypyrimidines. J. Hilger. 1,766,748; June 24.
 Two-cycle engine. G. A. B. Spencer and H. B. Cornish. 1,750,201; Mar. 11.
 Two-cycle motor. H. J. Kratzer. 1,745,493; Feb. 4.
 Two-cycle V-motor. E. H. Belden. 1,785,175; Dec. 16.
 Two-post three-shaft draw works. E. W. Goesser. 1,763,511; June 10.
 Two-row lister. L. W. Crouse. 1,759,546; May 20.
 2-7 dinitro-anthraquinone, Manufacture of. R. E. Schmidt and B. Stein. 1,758,855; May 13.
 Two-step switch. O. A. Colby. 1,765,567; June 24.
 Two-stroke-cycle engine. A. Zoller. 1,745,824; Feb. 4.
 2-substituted-1-methyl-phenyl-3-mercaptans. E. Hoffa and H. Heyna. 1,762,270; June 10.
 2,3-benzocarbazole-1,4-quinones and preparing the same. H. T. Bucherer. 1,763,216; June 10.
 Twyer. W. G. Crothers. 1,761,182; June 3.
 Tying device. E. P. Gummo. 1,749,280; Mar. 4.
 Tying machine, Wire-. T. J. King, jr. 1,781,181; Nov. 11.
 Tying mechanism, Bale-. D. M. Simpson. 1,757,817; May 6.
 Tympano. C. H. Strupe. 1,755,569; Apr. 22.
 Type and holder for printing machines, Combined. H. W. Lamb and F. S. Ougheltree. 1,769,583; July 1.
 Type burnisher. F. G. Wilding. 1,744,820; Jan. 28.
 Type-casting machine. C. W. Eddy. 1,750,166; Mar. 11.
 Type chase. F. A. Putnam. 1,759,022; May 20.
 Type concrete-mixing machine, Automatic tilting-. J. F. Robb. 1,761,801; June 3.
 Type gauge. C. E. Ordway. 1,744,411; Jan. 21.
 Type levers, Setting. H. Luce. 1,783,177; Dec. 2.
 Type-bar-actuating mechanism. M. Garbell. 1,777,465-6; Oct. 7.
 Type bar, Coding and decoding. J. L. Aldritt. 1,776,246; Sept. 23.
 Type bar, Compound. B. K. F. Ewald. 1,780,674; Nov. 4.
 Type-composing machine and other similar instrument. T. Cahill. 1,775,222; Sept. 9.
 Type, Device for loading. L. H. Morse. 1,775,438; Sept. 9.
 Type instrument, Percussion. O. H. Liebich. 1,772,670; Aug. 12.
 Type-page frame. E. B. Howe. 1,783,042; Nov. 25.
 Typewriter. J. H. Barr. 1,773,933; Aug. 26.
 Typewriter. W. P. Lamar. 1,770,160; July 8.
 Typewriter. A. F. Schauss. 1,768,155; June 24.
 Typewriter. R. G. Thompson. 1,761,758; June 3.
 Typewriter. E. H. Moyle. 1,781,071; Nov. 11.
 Typewriter attachment. J. H. Barton. 1,781,312; Nov. 11.
 Typewriter attachment. A. Marcellus. 1,760,366; May 27.
 Typewriter, Automatic. K. D. Evans. 1,769,624-6; July 1.
 Typewriter calculating machine. C. E. A. Claus. 1,777,430; Oct. 7.
 Typewriter chair. O. O. Krabol. 1,775,433; Sept. 9.
 Typewriter carriages, Speed-controlling means for. E. W. Bache and J. Grice. 1,753,195; Apr. 8.

- Typewriter-carrying case. W. E. Barnard. 1,763,999; June 17.
- Typewriter escapement mechanism. C. K. Rainey. 1,755,514; Apr. 22.
- Typewriter line indicator. D. Murdock. 1,757,541; May 6.
- Typewriter, Power-operated. R. G. Thompson. 1,775,057; Sept. 2.
- Typewriter punch with column cut-out. H. A. Weinlich. 1,780,610; Nov. 4.
- Typewriter table. P. S. Kelley. Des. 81,750; Aug. 5.
- Typewriter stand, Adjustable. A., J. W., and W. J. Makoski. 1,783,661; Dec. 2.
- Typewriter word register. L. M. Llorens. 1,749,079; Mar. 4.
- Typewriters and other machines, Key action for. O. U. Desha. 1,759,393; May 20.
- Typewriters and other machines, Key action for. O. U. Desha. 1,759,441; May 20.
- Typewriters and other machines, Key action for. O. U. Desha. 1,765,326; June 17.
- Typewriters and the like, Type head for. A. Rodrian. 1,751,761; Mar. 25.
- Typewriters, Copyholder attachment for. L. T. Mathews. 1,781,552; Nov. 11.
- Typewriters, etc., Paper-roll adjustment for. C. W. Jefries. 1,756,753; Apr. 29.
- Typewriters, Pneumatic operating mechanism for. J. R. MacPherson and P. E. Hill. 1,777,212; Sept. 30.
- Typewriting and adding machine, Combined. B. C. Stickney. 1,765,507; June 24.
- Typewriting and card-perforating machine, Combined. J. A. B. Smith. Re17,634; Apr. 1.
- Typewriting and card-perforating machine, Combined. A. G. F. Kurowski and J. A. B. Smith. 1,745,172; Jan. 28.
- Typewriting and card-punching machine, Combined. J. A. B. Smith. 1,745,512; Feb. 4.
- Typewriting and computing machine, Combined. F. A. Hart. 1,754,679; Apr. 15.
- Typewriting and computing machine, Combined. F. A. Hart. 1,767,792; June 24.
- Typewriting and computing machine, Combined. H. L. Pitman. 1,743,866; Jan. 14.
- Typewriting and computing machine, Combined. H. L. Pitman. 1,764,978; June 17.
- Typewriting and computing machine, Combined. H. Resch. 1,744,502; Jan. 21.
- Typewriting and computing machine, Combined. O. G. Schaaf and F. W. Christiansen. 1,747,680; Feb. 18.
- Typewriting and computing machine, Combined. H. H. Steele. 1,759,329; May 20.
- Typewriting and computing machine, Combined. O. Thieme. 1,747,686; Feb. 18.
- Typewriting machine. H. F. Bardwell. 1,753,495; Apr. 8.
- Typewriting machine. E. E. Barney. 1,748,968; Mar. 4.
- Typewriting machine. C. C. Bridwell. 1,781,629; Nov. 11.
- Typewriting machine. F. U. Conard. 1,763,344; June 10.
- Typewriting machine. G. O. Degener. 1,783,604; Dec. 2.
- Typewriting machine. G. O. Degener. 1,773,098; Aug. 19.
- Typewriting machine. G. O. Degener. 1,757,516; May 6.
- Typewriting machine. G. O. Degener. 1,781,570-1; Nov. 11.
- Typewriting machine. G. O. Degener. 1,784,047; Dec. 9.
- Typewriting machine. G. O. Degener. 1,781,720; Nov. 18.
- Typewriting machine. G. de la Peña Concepcion. 1,750,507; Mar. 11.
- Typewriting machine. W. A. Dobson. 1,767,278; June 24.
- Typewriting machine. K. Gommel. 1,748,172; Feb. 25.
- Typewriting machine. A. E. Goetz. 1,764,620; June 17.
- Typewriting machine. G. G. Going. 1,752,482; Apr. 1.
- Typewriting machine. G. G. Going. 1,758,109; May 13.
- Typewriting machine. G. G. Going. 1,760,641; May 27.
- Typewriting machine. G. G. Going. 1,767,875-8; June 24.
- Typewriting machine. S. B. Hall. 1,748,475; Feb. 25.
- Typewriting machine. G. F. Handley. 1,781,579; Nov. 11.
- Typewriting machine. G. F. Handley. 1,781,725; Nov. 18.
- Typewriting machine. G. F. Handley. 1,785,445; Dec. 16.
- Typewriting machine. F. A. Hart. 1,752,484; Apr. 1.
- Typewriting machine. W. J. Hausman. 1,779,432; Oct. 28.
- Typewriting machine. W. F. Helmond. 1,748,648-9; Feb. 25.
- Typewriting machine. W. F. Helmond. 1,756,513; Apr. 29.
- Typewriting machine. W. F. Helmond. 1,762,173; June 10.
- Typewriting machine. C. A. Joerissen. 1,753,890; Apr. 8.
- Typewriting machine. A. G. Kupetz. 1,743,859; Jan. 14.
- Typewriting machine. A. G. F. Kurowski. 1,745,494; Feb. 4.
- Typewriting machine. A. G. F. Kurowski. 1,752,491; Apr. 1.
- Typewriting machine. A. G. F. Kurowski. 1,755,183; Apr. 22.
- Typewriting machine. A. G. F. Kurowski. 1,761,795; June 3.
- Typewriting machine. A. G. F. Kurowski. 1,764,321; June 17.
- Typewriting machine. A. G. F. Kurowski. 1,765,727-8; June 24.
- Typewriting machine. A. F. Lear. 1,761,080; June 3.
- Typewriting machine. L. C. Myers. 1,749,835; Mar. 11.
- Typewriting machine. L. C. Myers. 1,751,840; Mar. 25.
- Typewriting machine. L. C. Myers. 1,776,794; Sept. 30.
- Typewriting machine. L. A. Nemcovsky. 1,761,404-5; June 3.
- Typewriting machine. C. E. Norin. 1,756,433; Apr. 29.
- Typewriting machine. C. E. Norin. 1,762,345; June 10.
- Typewriting machine. C. E. Norin. 1,762,733; June 10.
- Typewriting machine. W. P. Quentell. 1,745,380; Feb. 4.
- Typewriting machine. D. Y. Read. 1,780,537; Nov. 4.
- Typewriting machine. H. Resch. 1,755,190; Apr. 22.
- Typewriting machine. E. G. Rowley. 1,764,416; June 17.
- Typewriting machine. J. C. M. Schneider. 1,763,372; June 10.
- Typewriting machine. J. A. B. Smith. 1,743,869; Jan. 14.
- Typewriting machine. J. A. B. Smith. 1,744,512; Jan. 21.
- Typewriting machine. J. A. B. Smith. 1,749,550; Mar. 4.
- Typewriting machine. J. A. B. Smith. 1,753,670; Apr. 8.
- Typewriting machine. J. A. B. Smith. 1,757,442; May 6.
- Typewriting machine. J. A. B. Smith. 1,761,056; June 3.
- Typewriting machine. J. A. B. Smith. 1,764,900; June 17.
- Typewriting machine. J. A. B. Smith. 1,765,503; June 24.
- Typewriting machine. J. A. B. Smith. 1,769,718; July 1.
- Typewriting machine. B. C. Stickney. 1,756,961; May 6.
- Typewriting machine. B. C. Stickney. 1,757,269; May 6.
- Typewriting machine. B. C. Stickney. 1,758,015; May 13.
- Typewriting machine. B. C. Stickney. 1,763,936; June 17.
- Typewriting machine. J. E. Straub. 1,768,166; June 24.
- Typewriting machine. H. H. Vickers. 1,743,640; Jan. 14.
- Typewriting machine. R. von Reppert. 1,755,197; Apr. 22.
- Typewriting machine. R. von Reppert. 1,755,281; Apr. 22.
- Typewriting machine for the blind. A. G. F. Kurowski and C. M. Lawrence. 1,767,247; June 24.
- Typewriting machines, Adding attachment for. G. O. Degener. 1,761,430-32; June 3.
- Typewriting machines, Feed device for the carriage of. M. Schmid. 1,753,134; Apr. 1.
- Typewriting machines, Mask for. B. J. Dowd. Des. 80,881; Apr. 8.
- Typewriting machines, Paper carriage for. M. Schmid. 1,750,363; Mar. 11.
- Typewriting machines, Sheet-guiding arrangement for. J. J. Cooper. 1,742,655; Jan. 14.
- Typewriting machines, Tabulating mechanism of. E. W. Bache and J. Grice. 1,772,768; Aug. 12.
- Typewriting machines, Work-feeding mechanism for. H. L. Wood. 1,749,791; Mar. 11.
- Typographical assembling and distributing machine. G. E. Marlatt. 1,772,751; Aug. 12.
- Typographical casting machine. A. W. F. Guest. 1,782,468; Nov. 25.
- Typographical casting machine. D. S. Kennedy. 1,771,962; July 29.
- Typographical casting machine. J. R. Rogers. 1,762,890; June 10.
- Typographical distributing machine. R. M. Grove. 1,762,863; June 10.
- Typographical distributing machine. J. R. Rogers. 1,762,889; June 10.
- Typographical machines, Justification means for. S. E. Sperry. 1,779,340; Oct. 21.
- Typographical machines, Safety device for. A. G. Sperry. 1,780,848; Nov. 4.
- Typographical machines, Transposition eliminator for. A. J. Ross. 1,772,637; Aug. 12.
- Typographical mold. R. Emery. 1,775,363; Sept. 9.
- Typographical mold. H. J. Megley. 1,752,099; Mar. 25.
- U-bolt construction. E. W. Goesser. 1,755,253; Apr. 22.
- Ultra-violet-light-generating system. F. W. Robinson and L. F. Bird. 1,750,024; Mar. 11.
- Ultra-violet sunlight rays into buildings, Projecting. J. W. D. Chesney. 1,747,928; Feb. 18.
- Ultra-violet transmitting glass. W. C. Taylor. 1,774,854; Sept. 2.
- Ultra-violet-transmitting glass and making the same. B. Long. 1,779,176; Oct. 21.
- Umbrella. C. R. Moses. 1,783,972; Dec. 9.
- Umbrella. W. F. Schoenhard. 1,769,315; July 1.
- Umbrella. H. Schröder. 1,780,946; Nov. 11.
- Umbrella. W. S. Timblin. 1,752,820; Apr. 1.
- Umbrella. W. S. Timblin. 1,752,821; Apr. 1.
- Umbrella and parasol. M. Alland. 1,768,969; July 1.
- Umbrella attachment. T. P. Garankin. 1,751,514; Mar. 25.
- Umbrella, Collapsible. N. Horowitz. 1,748,347; Feb. 25.
- Umbrella, Collapsible. M. Schwartz. 1,781,479; Nov. 11.
- Umbrella construction. C. H. Vennet, jr. 1,749,363; Mar. 4.
- Umbrella, Folding. S. Akrigg. 1,750,379; Mar. 11.
- Umbrella, Folding. A. McLean. 1,743,043; Jan. 7.
- Umbrella guard. H. M. Vandenhave. 1,755,039; Apr. 15.
- Umbrella handle. R. A. Kratochwill. 1,762,869; June 10.
- Umbrella, Head or hat supported. E. Anderson. 1,772,740; Aug. 12.
- Umbrella, parasol, and the like. A. Ryder. 1,753,666; Apr. 8.

- Umbrellas, walking sticks, handles of tennis bats, and the like, Attachment for. J. F. Shaw. 1,758,379; May 13.
- Uncoupling device. C. W. Booth. 1,781,491; Nov. 11.
- Uncoupling device. W. Kelso. 1,779,321; Oct. 21.
- Uncoupling device. O. K. Kjolseth. 1,770,785; July 15.
- Uncoupling device, Car. F. A. Jacobs. 1,755,505; Apr. 22.
- Uncoupling device for railway cars. H. Ackroyd and A. W. Powell. 1,772,411; Aug. 5.
- Uncoupling device for railway cars. E. Jones. 1,751,040; Mar. 18.
- Uncoupling mechanism. W. Kelso. 1,761,445; June 3.
- Undercarriage construction for aircraft. W. F. Bell. 1,779,690; Oct. 28.
- Undercarriage or landing wheels of aeroplanes and like aircraft, Braking of the. M. C. MacPherson. 1,749,495; Mar. 4.
- Undercutting device. E. J. Doncaster. 1,769,122; July 1.
- Underfeed furnace. G. E. Whitney. 1,772,021; Aug. 5.
- Underfloor duct system and method of making. H. S. Walker. 1,758,989; May 20.
- Undergarment. R. F. Albert. Des. 81,220; May 27.
- Undergarment. A. F. Foote. 1,765,411; June 24.
- Undergarment. E. J. Goldenblum. 1,773,620; Aug. 19.
- Undergarment. F. J. Lewis. 1,787,045; Dec. 30.
- Undergarment. F. E. McGill. 1,777,215; Sept. 30.
- Undergarment. H. V. Oldham. 1,751,355; Mar. 18.
- Undergarment for women. M. D. Neilson. 1,781,929; Nov. 18.
- Undergarment, Lady's. J. Chase. Des. 80,998; Apr. 22.
- Undergarment, Woman's. H. L. Redmond. 1,761,278; June 3.
- Underground cable system, High-voltage. D. C. Ober. 1,762,191; June 10.
- Underreamer. L. Campbell. 1,743,528; Jan. 14.
- Underreamer. H. F. Clement. 1,746,694; Feb. 11.
- Underreamer. E. Koppl. 1,772,491; Aug. 12.
- Underreamer. J. W. MacClatchie. 1,754,830; Apr. 15.
- Underreamer. J. T. Phipps. 1,767,474; June 24.
- Underreamer. E. C. Weisgerber. 1,764,133; June 17.
- Underreamer. E. Wilson. 1,779,575; Oct. 28.
- Underreamer, Expanding-roller. J. J. Santiago. 1,745,650; Feb. 4.
- Underreamer, Expansible. R. R. Crum. 1,750,627-9; Mar. 18.
- Underreamer, Hydraulic expanding. W. C. George. 1,785,949; Dec. 23.
- Underreamer, Rotary. S. M. Akeyson. 1,776,611; Sept. 23.
- Underreamer, Rotary expansion. J. J. Santiago. 1,774,763; Sept. 2.
- Underwear. H. H. Fessler. 1,764,252; June 17.
- Underwear garment. E. W. Robischon. 1,785,286; Dec. 16.
- Underwear or athletic pants. F. H. Negley. 1,784,744; Dec. 9.
- Unhairing agent. A. C. Orthmann. 1,763,319; June 10.
- Unicontrol apparatus for radio receiving sets. L. L. Jones. 1,787,275; Dec. 30.
- Uniform. R. H. and M. Wolfe. 1,754,381; Apr. 15.
- Unit construction, Interlocking-. P. Betzler. 1,757,763; May 6.
- Unit for speakers, Driving. N. M. Michailovsky. 1,755,552; Apr. 22.
- Unit plate rack, Multiple-. E. W. and A. H. Janke. 1,759,645; May 20.
- Unit ventilator. H. W. Page. 1,760,166; May 27.
- Uniting by sealing the insulating parts of high-tension insulators. F. Weckerle. 1,742,625; Jan. 7.
- Universal coupling. G. H. Hufferd. 1,743,672; Jan. 14.
- Universal indicator, Electric. W. Altner. 1,765,898; June 24.
- Universal joint. C. L. Anderson. 1,746,980; Feb. 11.
- Universal joint. C. H. Arbuthnot. 1,764,381; June 17.
- Universal joint. R. L. Chettick. 1,774,226; Aug. 26.
- Universal joint. W. A. Chryst. 1,749,322; Mar. 4.
- Universal joint. C. D. Cutting. 1,764,829; June 17.
- Universal joint. C. S. Dahlquist. 1,770,846; July 15.
- Universal joint. H. C. Harris. 1,768,759; July 1.
- Universal joint. J. A. Hellstrom. 1,777,263; Sept. 30.
- Universal joint. F. B. Hewel. 1,775,556; Sept. 9.
- Universal joint. R. Landis. 1,742,547; Jan. 7.
- Universal joint. F. W. Peters. 1,767,551; June 24.
- Universal joint. A. F. Pieper. 1,785,558; Dec. 16.
- Universal joint. A. W. Place. 1,747,529; Feb. 18.
- Universal joint. H. M. Roseberg. 1,772,915; Aug. 12.
- Universal joint. W. J. Smith and H. F. Braun. 1,778,170; Oct. 14.
- Universal joint. G. W. Van Doren. 1,782,492; Nov. 25.
- Universal joint. C. W. Weiss. 1,769,762; July 1.
- Universal joint. C. W. Weiss. 1,770,502; July 15.
- Universal joint. C. W. Weiss. 1,774,578; Sept. 2.
- Universal joint. J. F. Woveris. 1,763,206; June 10.
- Universal-joint assembly. C. E. Swenson. 1,774,679; Sept. 2.
- Universal joint, Double. E. Parville. 1,743,901; Jan. 14.
- Universal motor. B. L. Conley. 1,750,745; Mar. 18.
- Unloader. W. B. Walker. 1,743,055; Jan. 7.
- Unloader, Compressor. R. C. McAllister. 1,750,276; Mar. 11.
- Unloader, Dual-pressure. C. W. Metzgar. 1,754,331; Apr. 15.
- Unloading and stacking mechanism for biscuit ovens. G. R. Baker, C. Dumbleton, and J. Currie Paterson. 1,750,452; Mar. 11.
- Unloading apparatus for variable-volume compressors. A. V. Saharoff. 1,756,137; Apr. 29.
- Unloading device. D. W. Coe and C. E. Thompson. 1,749,935; Mar. 11.
- Unloading device. W. A. Miller. 1,758,457; May 13.
- Unloading device. H. L. Power. 1,767,013; June 24.
- Unloading device, Automobile. F. G. Belote. 1,745,829; Feb. 4.
- Unloading device, Crate-. F. D. Chapman. 1,744,363; Jan. 21.
- Unloading device for vehicles, Automatic. N. C. Pickard. 1,762,240; June 10.
- Unloading device, Grain-. A. Bouchard. 1,773,805; Aug. 26.
- Unloading device, Portable. A. Overholt. 1,746,127; Feb. 4.
- Unloading machine. E. L. Bradt. 1,783,823; Dec. 2.
- Unloading machine, Portable. W. K. Liggett. 1,786,665; Dec. 30.
- Unloading mechanism. F. D. Holdsworth. 1,769,783; July 1.
- Unloading mechanism for compressors. M. Riesner. 1,756,701; Apr. 29.
- Unloading system for compressors. W. E. Mathews. 1,769,898; July 1.
- Unraveling machine. G. F. McDougall. 1,773,055; Aug. 12.
- Unraveling machine. P. Strudel. 1,773,700; Aug. 19.
- Unraveling machine for horsehair, grass wrack, and the like. W. Schmid. 1,768,376; June 24.
- Unstacking machine. A. E. Bronson and A. M. Braden. 1,785,374; Dec. 16.
- Upholstered chair. L. Bernhard. Des. 80,602; Mar. 4.
- Upholstered seat. C. E. McCormick. 1,754,278; Apr. 15.
- Upholstering, Molding for. J. D. Bolender. 1,744,744; Jan. 28.
- Upholstery and the like, Securing. J. Ledwinka. 1,743,555; Jan. 14.
- Upholstery attachment. S. L. Warren. 1,754,921; Apr. 15.
- Upholstery device. F. Glazer. 1,780,474; Nov. 4.
- Upholstery-forming machine. F. W. Brintnall. 1,779,900; Oct. 28.
- Upholstery, harness, and pack for aircraft chairs, Padded. J. F. Smith. 1,784,996; Dec. 16.
- Upholstery in automobile bodies, Attaching. J. Ledwinks. 1,782,239; Nov. 18.
- Upholstery installation. F. S. Carr. 1,760,267; May 27.
- Upholstery installation. R. F. Walters. Re17,823; Oct. 7.
- Upholstery installation. R. F. Walters. 1,760,259-61; May 27.
- Upholstery, Metal chair. B. M. Stannard. 1,774,190; Aug. 26.
- Upholstery, Method and apparatus for filling. J. Ledwinka. 1,784,456; Dec. 9.
- Upholstery, Seat. A. F. Masury. 1,763,001; June 10.
- Upholstery-spring-attaching device. S. L. Warren. 1,763,077; June 10.
- Upholstery unit. A. H. Ackerman. 1,766,969; June 24.
- Upholstery welt. H. Wolfson and H. Gerstein. 1,748,094; Feb. 25.
- Upper-pulling machine. B. Jorgensen. 1,760,142; May 27.
- Uppers in lasted position, Device for holding. H. D. Webb. 1,776,825; Sept. 30.
- Uppers to soles of footwear, Attachment of. A. P. Robinson and H. Kennell. 1,771,143; July 22.
- Upsetting sheet metal. H. Junkers. 1,761,887-8; June 3.
- Uranium metal and product and making the same. J. A. Heany. 1,759,454; May 20.
- Urea, Manufacture of. H. C. Hetherington and H. J. Krase. 1,782,723; Nov. 25.
- Urea, Manufacture of. W. Meiser. 1,761,893; June 3.
- Urea, Producing. G. Barsky and P. W. Griffith. 1,758,641; May 13.
- Urethral bougie. A. De Sushko. 1,767,785; June 24.
- Urethral clip. R. H. Wappler. 1,750,654; Mar. 18.
- Urinal. M. Ivory and T. W. Allred. 1,767,240; June 24.
- Urinal. P. C. Smith. Des. 80,928; Apr. 8.
- Urinal for automobiles and other vehicles. R. Kovacs. 1,749,104; Mar. 4.
- Urinal, Prostatectomy. C. P. Olson and H. L. Evans. 1,758,236; May 13.
- Urn, Coffee. V. D. Carroll. 1,780,996; Nov. 11.
- Urn device, Coffee-. T. H. Mills. 1,750,239; Mar. 11.
- Urn, Flower. C. L. Agnell. 1,785,430; Dec. 16.
- Urn, Household coffee. H. L. Lambert. 1,774,927; Sept. 2.
- Urn or percolator, Electric tea. J. A. McBride. 1,762,303; June 10.
- Utensil clamp, Table-. E. Ottmann. 1,744,669; Jan. 21.
- Utensil-cleaning machine. K. H. Kazazian. 1,757,909; May 6.
- Utensil, Combination kitchen. J. G. Funk. 1,781,837; Nov. 18.
- Utensil, Cooking. N. P. Corner. 1,776,578; Sept. 23.
- Utensil, Cooking. G. F. Dillow. 1,757,656; May 6.
- Utensil, Cooking. W. O. Isaacson. 1,783,792; Dec. 2.
- Utensil, Cooking. S. Makagawa. 1,766,797; June 24.
- Utensil, Convertible. C. R. Fagley. 1,755,918; Apr. 22.
- Utensil, Culinary. I. B. Bjornson. 1,761,067; June 3.
- Utensil, Culinary. R. A. Cochran. 1,754,979; Apr. 15.
- Utensil, Electrically-heated. F. R. Lacy. 1,757,253; May 6.
- Utensil, Forked kitchen. E. R. Sparks. 1,768,011; June 24.

- Utensil for making drip coffee. J. A., sr., and J. M. Guerin. 1,753,783; Apr. 8.
- Utensil handle. F. H. Burns. 1,747,660; Feb. 18.
- Utensil, Household heating. F. G. Fischer. 1,762,014; June 3.
- Utensil, Kitchen. C. P. Cox. 1,746,072; Feb. 4.
- Utensil, Kitchen. A. C. Denmark and L. O. Bryant. 1,783,830; Dec. 2.
- Utensil, Kitchen. C. H. Hale and H. J. Kleefisch. 1,785,191; Dec. 16.
- Utensil, Kitchen. H. R. Johnson. 1,783,651; Dec. 2.
- Utensil, Kitchen. B. Lempek. 1,768,914; July 1.
- Utensil, Kitchen. H. M. Reed. 1,779,827; Oct. 28.
- Utensil, Kitchen. F. A. Robens. 1,772,324; Aug. 5.
- Utensil lifter, Cooking-. L. R. McIntyre. 1,769,448; July 1.
- Utensil, Safe heat cooking. R. E. Reardon. 1,768,148; June 24.
- Utensils, Apparatus for washing and drying. C. W. Rouse. 1,763,904; June 17.
- Utensils, Attachment of handles for aluminum cooking. J. H. Wilson. 1,744,851; Jan. 28.
- Utility chair. E. L. Bennett. 1,772,980; Aug. 12.
- Utility stand. L. M. Jones. 1,753,378; Apr. 8.
- Utilization of greensand. W. Vaughan and W. M. Bruce. 1,774,533; Sept. 2.
- V-pulleys and the like, Making. R. G. Nelson. 1,742,484; Jan. 7.
- Vaccine for hog cholera and manufacturing the same. M. Dorset. 1,784,928; Dec. 16.
- Vacuum apparatus. C. Krämer. 1,775,531; Sept. 9.
- Vacuum bell cap and downflow. P. C. Keith, jr. 1,776,589; Sept. 23.
- Vacuum brake. C. C. Farmer. 1,754,229; Apr. 15.
- Vacuum brake. F. K. Gruss. 1,742,444; Jan. 7.
- Vacuum chuck. A. Kadow. 1,744,313; Jan. 21.
- Vacuum cleaner. A. Bode. 1,744,099; Jan. 21.
- Vacuum cleaner. K. K. Cundiff. 1,785,675; Dec. 16.
- Vacuum cleaner. R. T. Hosking. 1,742,810; Jan. 7.
- Vacuum cleaner. J. Hutchinson. 1,763,397; June 10.
- Vacuum cleaner. E. Juelson. 1,774,062; Aug. 26.
- Vacuum cleaner. E. Juelson. 1,786,756; Dec. 30.
- Vacuum cleaner. N. H. Losey. 1,757,461; May 6.
- Vacuum cleaner. E. J. Muller. 1,785,873; Dec. 23.
- Vacuum cleaner. H. B. Sharman and A. E. Burrage. 1,783,058; Nov. 25.
- Vacuum cleaner. H. Shigyo. 1,755,969; Apr. 22.
- Vacuum cleaner. E. M. Squires. 1,748,853; Feb. 25.
- Vacuum cleaner. A. L. Wenner-Gren. 1,782,640; Nov. 25.
- Vacuum cleaner and condenser. G. W. Martin. 1,757,256; May 6.
- Vacuum-cleaner apparatus. H. C. Linn. 1,756,204; Apr. 29.
- Vacuum-cleaner attachment. F. W. Elworthy. 1,746,246; Feb. 11.
- Vacuum-cleaner attachment for automobiles. W. C. Reh-wold and J. G. Duff. 1,783,674; Dec. 2.
- Vacuum-cleaner bag. D. E. Stolpe. 1,764,127; June 17.
- Vacuum cleaner, Electric. J. Tuteur. Des. 81,678; July 22.
- Vacuum cleaning machine. P. Breton. 1,762,142; June 10.
- Vacuum cleaners, Attachment for. P. Fuhrmann. 1,764,439; June 17.
- Vacuum cleaners, Disinfecting attachment for. B. P. Smith. 1,783,859; Dec. 2.
- Vacuum-cup energizer. E. H. Odell. 1,757,135; May 6.
- Vacuum device. J. A. Belhumeur. 1,756,507; Apr. 29.
- Vacuum device and method of manufacture. H. C. Rentschler. 1,757,976; May 13.
- Vacuum distillation and rectification of paraffin distillate. N. E. Loomis and W. K. Lewis. 1,746,198; Feb. 4.
- Vacuum distillation, Process and apparatus for. P. Sub-kow. 1,771,143; July 22.
- Vacuum drying apparatus. A. E. Jonsson. 1,775,397; Sept. 9.
- Vacuum fuel-feed device. J. L. Andrews. 1,780,290; Nov. 4.
- Vacuum gauge. Y. Matunaga. 1,768,415; June 24.
- Vacuum inducing construction. A. Y. Dodge. 1,782,199; Nov. 18.
- Vacuum jar protective device. W. S. Watts. 1,778,408; Oct. 14.
- Vacuum pan. A. W. Baumann. 1,756,673; Apr. 29.
- Vacuum pan. C. E. Rogers. 1,746,795; Feb. 11.
- Vacuum sander. C. A. Pratte. 1,776,688; Sept. 23.
- Vacuum sealing machine. A. Podel. 1,767,475; June 24.
- Vacuum-sweeper construction. N. H. Losey. 1,769,522; July 1.
- Vacuum switch for alternating currents. H. Egg. 1,750,581; Mar. 11.
- Vacuum system. W. P. Whittington. 1,777,816; Oct. 7.
- Vacuum system for internal-combustion engines. W. R. Bamford and H. W. Hamilton. Re17,657; May 6.
- Vacuum system of control for dirigible bodies. H. G. Dorsey and A. D. Trenor. 1,772,343; Aug. 5.
- Vacuum system of oil conversion. A. E. Harnsberger. 1,763,604; June 10.
- Vacuum tank. C. S. Burton. 1,772,535; Aug. 12.
- Vacuum tank. C. S. Burton. 1,784,129-30; Dec. 9.
- Vacuum tank. H. B. Coats. 1,770,460; July 15.
- Vacuum tank. G. Ramsey. 1,756,034; Apr. 29.
- Vacuum tank. L. H. Wheeler. 1,756,895; Apr. 29.
- Vacuum tube. B. G. Blackman. 1,780,698; Nov. 4.
- Vacuum tube. W. H. T. Holden. 1,754,234; Apr. 15.
- Vacuum tube. E. G. Murphy. 1,777,011; Sept. 30.
- Vacuum tube. H. J. Nolte and W. I. Relyea. 1,780,033; Oct. 28.
- Vacuum tube. G. H. Perryman. 1,759,865; May 27.
- Vacuum tube. O. W. Pike. 1,758,803; May 13.
- Vacuum tube. B. Rosenbaum. 1,765,501; June 24.
- Vacuum tube and preparing the same. W. H. T. Holden. 1,755,257; Apr. 22.
- Vacuum-tube apparatus. S. Ruben. 1,755,272; Apr. 22.
- Vacuum-tube cathode-supply circuit. A. Leib. 1,757,318; May 6.
- Vacuum-tube circuits. S. E. Anderson. 1,743,701; Jan. 14.
- Vacuum-tube detector. R. S. Ohl. 1,760,957; June 3.
- Vacuum-tube filament connection and method of connect-ing. C. H. Braselton. 1,774,698; Sept. 2.
- Vacuum-tube generator. E. Y. Robinson. 1,760,996; June 3.
- Vacuum-tube generator system. H. Chireix. 1,755,386; Apr. 22.
- Vacuum-tube-lamp envelopes of special design, Producing. R. C. Smalley. 1,763,071; June 10.
- Vacuum-tube rectifier. M. K. Akers. 1,747,852; Feb. 18.
- Vacuum-tube rectifier. H. H. Strong. 1,764,283; June 17.
- Vacuum-tube structure. Electrical. L. Sutherland. 1,765,636; June 24.
- Vacuum-tube system. D. G. Little. 1,749,592; Mar. 4.
- Vacuum tube, Thermionic. C. W. Carter, jr. 1,762,212; June 10.
- Vacuum tube, Thermionic. W. H. T. Holden. 1,748,175; Feb. 25.
- Vacuum tube, Unipotential cathode. W. H. T. Holden. 1,745,369; Feb. 4.
- Vacuum tubes, Arrangement for protecting. A. Meissner. 1,763,805; June 17.
- Vacuum tubes, Exhausting. O. W. Pike. 1,746,164; Feb. 4.
- Vacuum tubes, Testing. E. Lipson. 1,755,609; Apr. 22.
- Vacuum-type inverted converter. L. W. Chubb. Re17,693; June 3.
- Vacuum vessels, Apparatus for closing. M. Urich. 1,746,974; Feb. 11.
- Vaginal irrigator. R. C. Lawry. 1,758,670; May 13.
- Valance for mattresses, cushions, pads and the like. T. M. Coghlan. 1,742,693; Jan. 7.
- Valve. C. H. Armstrong and J. Gordon. 1,772,199; Aug. 5.
- Valve. G. L. Baker. 1,763,942; June 17.
- Valve. J. J. Barker. 1,751,122; Mar. 18.
- Valve. H. A. Benedict and E. M. Moller. 1,746,814; Feb. 11.
- Valve. H. E. Brett. 1,753,818; Apr. 8.
- Valve. A. L. Bridgham. 1,766,703; June 24.
- Valve. C. F. Burgmann. 1,763,951; June 17.
- Valve. C. A. Campbell. 1,748,169; Feb. 25.
- Valve. W. M. Chace. 1,769,621; July 1.
- Valve. H. C. Chase. 1,755,536; Apr. 22.
- Valve. W. F. Conran. 1,752,836; Apr. 1.
- Valve. L. A. Cornelius. 1,750,462; Mar. 11.
- Valve. J. H. Cox. 1,783,281; Dec. 2.
- Valve. J. W. Dawson. 1,770,900; July 22.
- Valve. L. F. Doen. 1,759,891; May 27.
- Valve. L. F. Doen. 1,759,893; May 27.
- Valve. C. A. Dopp. 1,787,236; Dec. 30.
- Valve. V. L. Du Bois. 1,754,198; Apr. 8.
- Valve. G. S. Eble. 1,742,307; Jan. 7.
- Valve. J. H. Edmonds. 1,783,329; Dec. 2.
- Valve. W. H. Englebright. 1,777,608; Oct. 7.
- Valve. H. A. Feldbush. 1,754,747; Apr. 15.
- Valve. J. J. Frank. 1,762,266; June 10.
- Valve. J. J. Frank. 1,775,090-1; Sept. 9.
- Valve. L. O. French. 1,746,855; Feb. 11.
- Valve. E. Freud. 1,744,877; Jan. 28.
- Valve. I. B. Gilbert. 1,767,445; June 24.
- Valve. H. F. Gilg. 1,781,224; Nov. 11.
- Valve. J. C. Gipe. 1,761,721; June 3.
- Valve. W. H. Gohring. 1,779,064; Oct. 21.
- Valve. G. Gomand. 1,744,221; Jan. 21.
- Valve. J. E. Grainger, W. G. Dixon, and S. M. Shadbolt. 1,777,261; Sept. 30.
- Valve. W. Harper, jr. 1,776,504; Sept. 23.
- Valve. A. A. Hasselquist and I. H. M. Rognlie. 1,786,750; Dec. 30.
- Valve. P. J. Hoffman. 1,762,818; June 10.
- Valve. F. D. Holdsworth. 1,768,840-4; July 1.
- Valve. A. C. Hougland. 1,765,272; June 17.
- Valve. J. L. Hutchings. 1,752,667; Apr. 1.
- Valve. W. S. Ireland. 1,763,927; June 17.
- Valve. C. S. Johnson. 1,783,621; Dec. 2.
- Valve. H. L. Joyce. Des. 82,092; Sept. 23.
- Valve. B. Karsten. 1,761,129; June 3.
- Valve. R. J. Kehl. 1,779,740; Oct. 28.
- Valve. E. L. Kellan. 1,777,001; Sept. 30.
- Valve. R. O. Kirchhan. 1,782,238; Nov. 18.
- Valve. S. Kneass, jr. 1,782,970; Nov. 25.
- Valve. R. W. Leach and W. H. Bateman. 1,780,160; Nov. 4.
- Valve. R. W. Leach and W. H. Bateman. 1,780,828; Nov. 4.
- Valve. A. Lenning. 1,761,573; June 3.
- Valve. J. O. Lewis. 1,783,441; Dec. 2.
- Valve. J. W. MacClatchie. 1,785,278; Dec. 16.
- Valve. V. T. Malcolm. 1,778,765; Oct. 21.
- Valve. J. P. Marchal. 1,777,647; Oct. 7.
- Valve. F. J. Mawby. 1,753,524; Apr. 8.

- Valve. G. E. McCloskey. 1,751,591; Mar. 25.
 Valve. P. J. McCullough. 1,767,086; June 24.
 Valve. W. F. McKay. 1,749,774; Mar. 11.
 Valve. H. T. Melling. 1,780,562; Nov. 4.
 Valve. E. B. Moore. 1,759,060; May 20.
 Valve. A. W. Moseley. 1,778,865; Oct. 21.
 Valve. S. J. Nordstrom. Re17,724; July 8.
 Valve. S. J. Nordstrom. Re17,808; Sept. 16.
 Valve. S. J. Nordstrom. 1,755,406; Apr. 22.
 Valve. S. J. Nordstrom and J. C. Haun. 1,751,654; Mar. 25.
 Valve. F. J. O'Stroske. 1,784,381; Dec. 9.
 Valve. F. M. Pickering and A. G. Ford. 1,746,738; Feb. 11.
 Valve. H. R. Porter. 1,742,319; Jan. 7.
 Valve. J. R. Replogle. 1,780,242; Nov. 4.
 Valve. F. B. Rickenberg. 1,757,059; May 6.
 Valve. F. B. Rickenberg. 1,787,212; Dec. 30.
 Valve. C. W. and G. A. Robertshaw. 1,755,562; Apr. 22.
 Valve. G. Roberts and M. Dysthe. 1,746,055; Feb. 4.
 Valve. E. B. Sadtler. 1,767,228; June 24.
 Valve. G. J. Schmidt. 1,758,471; May 13.
 Valve. P. L. Scott. 1,746,367; Feb. 11.
 Valve. F. Seiffert. 1,753,723; Apr. 8.
 Valve. W. H. Siebs. 1,764,991; June 17.
 Valve. M. Smolensky. 1,761,595; June 3.
 Valve. W. H. Spire and R. E. Bissell. 1,767,409; June 24.
 Valve. L. P. Strong. 1,763,486; June 10.
 Valve. J. Sweet. 1,776,936; Sept. 30.
 Valve. N. Swindin. 1,779,503; Oct. 28.
 Valve. Z. D. Tallman. 1,778,092; Oct. 14.
 Valve. A. J. Weatherhead, jr. 1,743,413; Jan. 14.
 Valve. R. Welcker. 1,777,060; Sept. 30.
 Valve. A. W. Wheaton. 1,758,419; May 13.
 Valve. L. E. Whiton. 1,772,406; Aug. 5.
 Valve. W. G. Wilson. 1,749,119; Mar. 4.
 Valve. W. G. Wilson. 1,781,771; Nov. 18.
 Valve. A. E. Wolff. 1,768,184; June 24.
 Valve. D. R. Wolff. 1,756,615; Apr. 29.
 Valve, Accelerated dry-pipe. W. B. Griffith. 1,765,422; June 24.
 Valve action for internal-combustion engines. E. S. Cameron. 1,782,839; Nov. 25.
 Valve action for pipe organs. V. R. Brown. 1,767,738; June 24.
 Valve action for pipe organs. H. F. Waters. 1,767,724; June 24.
 Valve-actuated mechanism. R. Grant. 1,748,342; Feb. 25.
 Valve-actuated switch. W. J. Mackey. 1,762,066; June 3.
 Valve-actuating device. E. T. Turner. 1,763,728-9; June 17.
 Valve-actuating means, Selective. P. S. Shield. 1,755,153; Apr. 15.
 Valve-actuating mechanism. R. Grant. 1,743,340; Jan. 14.
 Valve-actuating mechanism. J. McNulty. 1,751,244; Mar. 18.
 Valve-actuating mechanism, Sleeve-. A. M. Niven. 1,764,972; June 17.
 Valve-actuating mechanism. C. C. Williams. 1,784,036; Dec. 9.
 Valve actuation for a burglar-repelling device. H. W. Montgomery. 1,783,515; Dec. 2.
 Valve-actuation means, Poppet-. R. E. and R. E. Wilson. 1,784,125; Dec. 9.
 Valve, Air. O. A. Amos. 1,762,148; June 10.
 Valve, Air. L. W. Eggleston. 1,777,274; Sept. 30.
 Valve, Air. F. W. Leuthesser. Des. 81,543; July 8.
 Valve, Air. W. J. Rudolph. 1,762,487; June 10.
 Valve, air. W. A. Russell. 1,767,704; June 24.
 Valve, Air. J. F. Schylander. 1,762,488; June 10.
 Valve, Air. O. G. Stolz. 1,77,385; Oct. 7.
 Valve, Air. F. H. Tweed. 1,778,612; Oct. 14.
 Valve, Air Bleeder. W. Noble. 1,747,456; Feb. 18.
 Valve, Air-relief. J. M. Barrett. 1,754,782; Apr. 15.
 Valve, Air-relief. W. A. Russell. 1,761,685; June 3.
 Valve and an exhaust valve for internal-combustion motors, Combination of an inlet. H. Kastrop. 1,771,336; July 22.
 Valve and bushing construction, Piston. S. S. Riegel. 1,781,342; Nov. 11.
 Valve and cap, Tire. W. H. David. 1,769,663; July 1.
 Valve and cock. W. B. Crosby. 1,743,015; Jan. 7.
 Valve and cock. E. B. Whitmarsh. 1,760,222; May 27.
 Valve and condenser, Pressure. J. Karmazin. 1,761,396; June 3.
 Valve and constructing the same, Refrigerating. A. J. Kusel. 1,780,593; Nov. 4.
 Valve and drain for boilers, Safety. T. J. Keenan. 1,765,162; June 17.
 Valve and head for gas engines. A. C. Hoecker. 1,753,515; Apr. 8.
 Valve and manufacturing same. E. H. Mueller. 1,753,833; Apr. 8.
 Valve and operating same. G. L. Fisk. 1,778,070; Oct. 14.
 Valve and regulating movement for engines. J. Leopold. 1,757,841; May 6.
 Valve and seat combination for bidet control. C. C. Campus. 1,785,935; Dec. 23.
 Valve and switch operating means. E. A. Larsson. 1,785,268; Dec. 16.
 Valve and the like, Steam-regulator. J. Mitchell and J. C. G. Cossey. 1,754,174; Apr. 8.
 Valve and union, Combined check. J. B. Teesdale. 1,764,186; June 17.
 Valve and valve gear, Internal-combustion-engine. C. H. M. Fry. 1,764,255; June 17.
 Valve and valve motion. R. Hildebrand. 1,775,490; Sept. 9.
 Valve and valve-operating mechanism. G. D. Reinhardt. 1,751,172; Mar. 18.
 Valve and vaporizer, Combined intake. L. L. Luce. 1,759,055; May 20.
 Valve, Angle or cross. H. R. Porter. 1,745,189; Jan. 28.
 Valve apparatus. G. F. Beach. 1,763,385; June 10.
 Valve apparatus, Automatic water-heater control-. J. C. Higgins. 1,755,476; Apr. 22.
 Valve assembly. J. J. McBride. 1,784,460; Dec. 9.
 Valve assembly, Sight-. L. Deutsch. 1,757,237; May 6.
 Valve, Atomizing. P. L. Scott. 1,755,192; Apr. 22.
 Valve attachment for dental vulcanizers, Safety-. B. H. Abert. 1,778,411; Oct. 14.
 Valve, Audio amplification. E. F. Miller. 1,742,662; Jan. 7.
 Valve, Automatic. F. A. Browne. 1,746,025-6; Feb. 4.
 Valve, Automatic. D. Gregg. 1,759,006; May 20.
 Valve, Automatic backwater. W. W. Shaw. 1,753,724; Apr. 8.
 Valve, Automatic control. C. R. Hardy. 1,760,355; May 27.
 Valve, Automatic control. J. F. Hoffman. 1,757,248; May 6.
 Valve, Automatic expansion. J. C. Scovel. 1,773,604; Aug. 19.
 Valve, Automatic fuel-shut-off. J. W. Jones. 1,757,430; May 6.
 Valve, Automatic fluid-temperature-control. F. L. Hutchinson. 1,756,688; Apr. 29.
 Valve, Automatic gas. H. B. Hull and C. Warner. 1,779,597; Oct. 28.
 Valve, Automatic gas-control. A. D. Taylor. 1,783,395; Dec. 2.
 Valve, Automatic gas shut-off. L. D. Lovekin. 1,752,677; Apr. 1.
 Valve, Automatic lubricating. A. Nelson. 1,748,424; Feb. 25.
 Valve, Automatic pressure-control. J. C. Scovel. 1,753,536; Apr. 8.
 Valve, Automatic regulating. J. Dewrance. 1,776,582; Sept. 23.
 Valve, Automatic safety. C. M. Lieber. 1,783,440; Dec. 2.
 Valve, Automatic temperature-relief. T. E. Morris. 1,755,964; Apr. 22.
 Valve, Automatic water-heater control. R. C. Hoyt. 1,786,948; Dec. 30.
 Valve bag. C. C. Martin. 1,782,738; Nov. 25.
 Valve bag and making the valve. J. C. Redington. 1,754,769; Apr. 15.
 Valve-bag machine, Multiply-. C. W. Oman. 1,745,312; Jan. 28.
 Valve bag, Siftproof. E. W. Menke, and J. C. Redington. 1,783,624; Dec. 2.
 Valve bags, Forming. J. C. Redington. 1,780,720; Nov. 4.
 Valve, Balanced. P. Hösel. 1,752,908; Apr. 1.
 Valve, Balanced. J. W. Tucker. 1,785,289; Dec. 16.
 Valve, Balanced coke-quenching. E. V. Anderson. 1,767,038; June 24.
 Valve, Balanced three-way. G. G. Morin. 1,765,090; June 17.
 Valve, Ball. J. W. Taylor. 1,767,021; June 24.
 Valve, Blower. T. W. Demarest. 1,744,451; Jan. 21.
 Valve, Blow-off or mud. H. D. Barr. 1,755,145; Apr. 15.
 Valve, Brake-pipe cut-off. T. H. Thomas. 1,786,177; Dec. 23.
 Valve, Built-in. E. M. Reedy. 1,768,212; June 24.
 Valve-bushing remover. J. B. Leftwich. 1,776,194; Sept. 16.
 Valve cage. A. C. Estep. 1,752,790; Apr. 1.
 Valve cage. M. Land. 1,774,928; Sept. 2.
 Valve cage. J. A. Yerkes. 1,777,539; Oct. 7.
 Valve cap. L. F. Gits. 1,746,999; Feb. 11.
 Valve cap. A. D. Whipple. 1,754,660; Apr. 15.
 Valve casing and the like and making the same. T. E. Murray, jr. 1,771,187; July 22.
 Valve, Check. O. C. Cox. 1,779,421; Oct. 28.
 Valve, Check. F. W. Leidecker. 1,779,322; Oct. 21.
 Valve, Check. J. F. Mullaney. 1,764,521; June 17.
 Valve, Check. R. Pearson. 1,756,567; Apr. 29.
 Valve, Check. H. R. Porter. 1,772,086; Aug. 5.
 Valve, Check. O. M. Summers. 1,747,332; Feb. 18.
 Valve-centering device. H. G. Miller. 1,786,023; Dec. 23.
 Valve closer, Automatic needle-. P. Kerouanton. 1,751,041; Mar. 18.
 Valve-closing means, Auxiliary. E. A. Robertson. 1,756,834; Apr. 29.
 Valve, cock, or the like. P. K. Saunders. 1,772,292; Aug. 5.
 Valve, Combined vent and safety. V. P. Diederich. 1,751,684; Mar. 25.
 Valve, Combined water seal and check. A. Messer. 1,776,077; Sept. 16.
 Valve, Compressor. A. J. Briggs. 1,751,230; Mar. 18.
 Valve, Compressor. F. R. Erbach. 1,753,922; Apr. 8.
 Valve, Compressor. A. S. Hawks. 1,756,060; Apr. 29.
 Valve, Compressor. W. E. Mathews. 1,769,899; July 1.
 Valve construction. J. K. Anderson. 1,759,081; May 20.
 Valve construction. C. F. Burgmann. 1,746,927; Feb. 11.
 Valve construction. E. A. Stephens. 1,765,632; June 24.

- Valve construction, Check-. C. F. Wray. 1,757,823; May 6.
- Valve construction, Coke-oven-. J. Van Ackeren. 1,743,410; Jan. 14.
- Valve construction, Engine-. A. C. F. and M. V. Luke. 1,768,618; July 1.
- Valve construction for automobile heaters. A. E. Linnendoll. 1,767,383; June 24.
- Valve construction for combustion turbines, Nozzle-. M. Sedlmelr. 1,756,139; Apr. 29.
- Valve construction for internal-combustion engines, Sliding-. H. A. Flogaus. 1,754,787; Apr. 15.
- Valve construction for slush pumps. H. P. Hickerson. 1,785,259; Dec. 16.
- Valve construction, Magnet-. P. R. Forman. 1,786,234; Dec. 23.
- Valve, Control. G. M. Agee. 1,754,138; Apr. 8.
- Valve control. E. J. Panish. 1,747,594; Feb. 18.
- Valve, Control. H. F. Vickers. 1,774,685; Sept. 2.
- Valve control, Choke and needle. G. Selzer. 1,783,677; Dec. 2.
- Valve control for driving engines. F. E. and C. H. Holbrook. 1,751,920; Mar. 25.
- Valve control, Hydrothermostatic. J. J. Lawler. 1,784,734; Dec. 9.
- Valve-control mechanism. H. L. Parr and J. H. Nelsen. 1,746,866; Feb. 11.
- Valve-control mechanism, Tank-. L. H. Duerr. 1,764,436; June 17.
- Valve-control system. E. W. Orton and C. V. Foulds. 1,751,098; Mar. 18.
- Valve control, Thermostatic. C. H. Morrow. 1,762,187; June 10.
- Valve-controlling apparatus. J. O. Woodsome. 1,749,406; Mar. 4.
- Valve-controlling mechanism. I. G. Perrett. 1,745,707; Feb. 4.
- Valve, Conversion. A. Moore. 1,766,669-70; June 24.
- Valve, Cooling capsule filled. R. E. Bissell. 1,786,285; Dec. 23.
- Valve, Cooling-fluid-control. J. C. Moody. 1,756,566; Apr. 29.
- Valve, Crank-case ventilator. C. H. Dearborn. 1,746,215; Feb. 4.
- Valve, Cushioned coke-quenching. E. V. Anderson. 1,767,037; June 24.
- Valve, Cut-off. H. J. Murray. 1,772,591; Aug. 12.
- Valve, Cut-out. F. Schiele. 1,783,628; Dec. 2.
- Valve device. L. J. Berkeley. 1,786,330; Dec. 23.
- Valve device. W. C. Landis. 1,771,410; July 29.
- Valve device, Brake-. C. D. Stewart. 1,765,635; June 24.
- Valve device, Feed-. C. C. Farmer. 1,754,227; Apr. 15.
- Valve device, Feed-. J. B. Wright. 1,754,250; Apr. 15.
- Valve device, Foot. J. C. McCune. 1,782,578; Nov. 25.
- Valve device, High-pressure. O. Pfoutz. 1,774,994; Sept. 2.
- Valve device, Triple-. T. H. Thomas. 1,742,426; Jan. 7.
- Valve device, Triple-. T. H. Thomas. 1,780,321; Nov. 4.
- Valve device, Warning-. C. N. Remfry. 1,775,696; Sept. 16.
- Valve, Diaphragm. M. Merker. 1,753,662; Apr. 8.
- Valve, Dispensing. W. J. Woywot. 1,772,061; Aug. 5.
- Valve, Distribution. C. W. Dake. 1,785,184; Dec. 16.
- Valve, Double flush. H. L. Blaun and J. G. Moskow. 1,767,043; June 24.
- Valve, Drain. J. L. Hutchings. 1,747,442; Feb. 18.
- Valve, Drift. F. Ball. 1,764,493; June 17.
- Valve, Drifting. D. T. Williams. 1,752,321; Apr. 1.
- Valve driving and timing mechanism. H. T. Mathieson. 1,777,758; Oct. 7.
- Valve, Dry-pipe. L. A. Grimes. 1,751,201; Mar. 18.
- Valve, Dry-pipe. W. K. Hodgman, jr. 1,767,129; June 24.
- Valve, Dump and seal tubing. H. F. Fortinberry. 1,784,050; Dec. 9.
- Valve, Electric. H. Cohn. 1,775,588; Sept. 9.
- Valve, Electric. J. J. Fagan and L. Kovacs. 1,755,057; Apr. 15.
- Valve, Electric. A. N. Fenton. 1,749,423; Mar. 4.
- Valve, Electric-current. R. C. Jacquelet. 1,765,335; June 17.
- Valve, Electrically-operated. C. T. Hibbard. Re17,689; June 3.
- Valve, Electrically-operated. E. L. Payne. 1,767,611; June 24.
- Valve, Electromagnetic. L. O. French. 1,758,105; May 13.
- Valve, Emergency cartridge-type shut-off. L. D. Lovekin. 1,782,760; Nov. 25.
- Valve, Emergency dump. A. G. Butler and G. A. Page, jr. 1,771,743; July 29.
- Valve, Emergency-gas-shut-off fire. L. D. Lovekin. 1,771,716; July 29.
- Valve employed for the operation of pneumatic musical instruments. G. Boreau. 1,743,876; Jan. 14.
- Valve, End train-pipe. E. H. Gold and E. A. Russell. 1,742,443; Jan. 7.
- Valve, End train-pipe. E. A. Russell. 1,777,580; Oct. 7.
- Valve, Engine. L. E. Edwards. 1,750,995; Mar. 18.
- Valve, Engine. J. H. Grube. 1,781,176; Nov. 11.
- Valve, Engine. W. M. Stieh, jr. 1,750,975; Mar. 18.
- Valve, Engine. D. Williams. 1,755,976; Apr. 22.
- Valve engine and oiling means, Sleeve-. W. S. Fisher. 1,754,189; Apr. 8.
- Valve engine, Overhead-. A. E. Chevrolet. 1,744,526; Jan. 21.
- Valve engine, Single-sleeve-. E. L. Gilbert. 1,749,701; Mar. 4.
- Valve engine, Sleeve-. J. Haltenberger. 1,756,684; Apr. 29.
- Valve engine, Sleeve-. F. E. Lonas. 1,763,664; June 17.
- Valve engine, Sleeve-. A. M. Niven. 1,764,742-3; June 17.
- Valve engines, Reconditioning poppet-. M. B. Covert. 1,759,096; May 20.
- Valve, Erosion-reducing. H. B. Lee. Re17,824; Oct. 14.
- Valve, Exhaust. W. Noble. 1,756,796; Apr. 29.
- Valve, Exhaust-pressure-control. H. Rowntree. 1,748,496; Feb. 25.
- Valve, Expansion. L. C. Roberts. 1,769,859; July 1.
- Valve, Feed-water. V. V. Veenschoten. 1,759,146; May 20.
- Valve fitting, Waste-. T. J. Kaufman. 1,758,226; May 13.
- Valve, Float. S. J. Steensen. 1,756,398; Apr. 29.
- Valve, Float-controlled. W. I. Kavin. 1,777,091; Sept. 30.
- Valve, Float-controlled. D. K. Warner. 1,761,000; June 3.
- Valve, Float-operated. C. L. Rayfield. 1,777,533; Oct. 7.
- Valve, Float-operated. G. Stanco. 1,746,619; Feb. 11.
- Valve, Flow-control. F. C. Fantz. 1,767,658; June 24.
- Valve, Fluid-actuated. R. Drath. 1,749,695; Mar. 4.
- Valve, Fluid-control. R. G. Le Tourneau. 1,760,308; May 27.
- Valve, Fluid-flow-controlling. C. H. Schmalz. 1,742,828; Jan. 7.
- Valve, Fluid-pressure relief. F. R. Jenkins. 1,773,268; Aug. 19.
- Valve, Flush. T. Collito. 1,771,772; July 29.
- Valve, Flush. S. P. Enright. 1,749,911; Mar. 11.
- Valve, Flush. S. P. Enright. 1,764,942; June 17.
- Valve, Flush. C. S. Hope. 1,750,317; Mar. 11.
- Valve, Flush. W. Mooney. 1,764,276; June 17.
- Valve, Flush. W. E. Sloan. 1,756,263; Apr. 29.
- Valve, Flush. W. H. Stadden. 1,767,561; June 24.
- Valve, Flush. H. Wesson. 1,782,221-2; Nov. 18.
- Valve, Flush. A. E. Wolff. 1,753,229; Apr. 8.
- Valve, Flush-tank. A. K. Barton. 1,769,485; July 1.
- Valve, Flushing. J. C. Owens. 1,755,558; Apr. 22.
- Valve, Flushing. F. A. Schossow. 1,742,973; Jan. 7.
- Valve, Flushing. B. B. Thomas and G. O. Forsberg. 1,763,188; June 10.
- Valve, Flushing. J. A. White. 1,759,724; May 20.
- Valve for acetylene generators, Feed. H. G. Irwin. 1,748,069; Feb. 25.
- Valve for acid tanks. M. C. Nelson. 1,763,593; June 10.
- Valve for air-brake systems, Engineer's brake. A. W. Nicholson. 1,751,943; Mar. 25.
- Valve for air brakes, Feed. C. A. Campbell. 1,781,747; Nov. 18.
- Valve for air gauges. H. and R. Stanley. 1,785,658; Dec. 16.
- Valve for automobile engines, Automatic braking-air-admission. G. S. C. Huffam and E. J. Bergin. 1,777,971; Oct. 7.
- Valve for automobile straight-air brakes, Retaining. H. O. Ferring. 1,742,383; Jan. 7.
- Valve for auxiliary reservoirs of air-brake systems, Automatic bleeder. J. M. Aikman. 1,758,136; May 13.
- Valve for ball and pebble mills, Discharge. R. Garlick and H. Sellman. 1,745,480; Feb. 4.
- Valve for cellar drains. C. Noe and H. Kreiss. 1,762,190; June 10.
- Valve for closures, Automatic. A. E. Smith. 1,748,682; Feb. 25.
- Valve for compressors and making the same. O. J. Dansereau and T. Officer. 1,768,830; July 1.
- Valve for compressors and the like, Check. F. D. Peltier. 1,779,447; Oct. 28.
- Valve for controlling fluids. R. E. Mitton. 1,757,259; May 6.
- Valve for Diesel engines, Fuel-injection. D. E. Selby. 1,760,322; May 27.
- Valve for domestic hot-water tanks, Temperature-controlled relief. L. D. Lovekin. 1,744,977; Jan. 28.
- Valve for drainage systems, Back-pressure. E. W. N. Boosey. 1,749,098; Mar. 4.
- Valve for drill pipes, Back-pressure. J. R. Mahan. 1,767,538; June 24.
- Valve for engines, Rotary. R. S. Trott. 1,774,773; Sept. 2.
- Valve for fluid-operated tools, Automatic. E. F. Terry, jr. 1,774,302; Aug. 26.
- Valve for fluid-pressure-operated railway dump cars, Pressure control and exhaust. J. P. Anderson. 1,777,821; Oct. 7.
- Valve for flush tanks. G. B. Mullen. 1,744,491; Jan. 21.
- Valve for Ford oiling systems, Relief. M. E. Cheney. 1,770,911; July 22.
- Valve for gas burners, Safety. A. Kalo. 1,748,554; Feb. 25.
- Valve for gas burners, Safety. C. E. Wise. 1,747,748; Feb. 18.
- Valve for gas ranges. F. J. Lieske. 1,749,290; Mar. 4.
- Valve for grease lubricating systems, Regulating. J. F. Culp. 1,781,539; Nov. 11.
- Valve for heating systems, Relief. J. Ellberg. 1,779,228; Oct. 21.
- Valve for homogenizing devices. J. M. McClatchie. 1,763,313; June 10.
- Valve for hot-water systems, Relief. J. A. Maynard. 1,774,805; Sept. 2.

- Valve for hydrocarbon-fuel-storage tanks, Water-locking suction. J. H. Viele. 1,751,371; Mar. 18.
- Valve for iceless refrigerators, Shut-off. W. C. Gibson. 1,747,359; Feb. 18.
- Valve for indicating pressures, Tire. E. A. Rockwell. 1,761,454; June 3.
- Valve for inflating hollow bodies, Air. S. Saul. 1,758,625; May 13.
- Valve for injector overflow, Safety. S. J. Roetz and W. J. Greene. 1,764,181; June 17.
- Valve for internal-combustion engines, Conversion. A. Moore. 1,766,672; June 24.
- Valve for internal-combustion engines, Fuel. T. V. Hemmingsen. 1,747,935; Feb. 18.
- Valve for internal-combustion engines, Injection. O. Petersen. 1,759,367; May 20.
- Valve for internal-combustion engines, Rotary. A. Baer. 1,775,581; Sept. 9.
- Valve for internal-combustion engines, Rotary. J. L. Smith and F. L. Gushard. 1,750,368; Mar. 11.
- Valve for internal-combustion engines, Rotary. H. C. Peterson and F. H. Russell. 1,751,528; Mar. 25.
- Valve for internal-combustion engines, Rotary reciprocating. A. W. Kath. 1,766,127-8; June 24.
- Valve for lifting devices. J. D. Cochran. 1,764,004; June 17.
- Valve for lifting devices, Control. J. D. Cochran. 1,764,005; June 17.
- Valve for locomotives, Auxiliary. F. W. Edwards. 1,867,515; June 24.
- Valve for locomotives, Twin. L. W. Hance. 1,750,592; Mar. 11.
- Valve for maintaining constant liquid height in tank. C. F. Peitzman. 1,787,420; Dec. 30.
- Valve for measuring and dispensing fluid. L. Campbell, jr. 1,756,279; Apr. 29.
- Valve for milking machines. M. Keener. 1,785,313; Dec. 16.
- Valve for oil and gas wells, Steam-operated emergency. S. C. Phillips. 1,779,637; Oct. 28.
- Valve for oil-distributing systems. O. Morgan and J. W. Stark. 1,770,988; July 22.
- Valve for oil pumps. H. W. Platenberg. 1,757,139; May 6.
- Valve for oil-well pumps. C. P. Kirkpatrick. 1,784,602; Dec. 9.
- Valve for organs and the like. W. H. Reisner. 1,769,966; July 8.
- Valve for pipe organs, Air. F. J. Flaherty. 1,747,894; Feb. 18.
- Valve for pneumatic conveyers. S. Williams. 1,755,464; Apr. 22.
- Valve for pneumatic displacement pumps. L. C. Bayles. 1,758,921; May 20.
- Valve for pneumatic tires or the like. E. V. Myers. 1,782,580; Nov. 25.
- Valve for pneumatic tools, Balanced throttle. R. A. Norling. 1,757,731; May 6.
- Valve for pumps, Controlling. R. V. Price. 1,744,002; Jan. 14.
- Valve for pumps, Relief. E. J. Wendell. 1,771,975; July 29.
- Valve for pumps, Rotary control. L. C. Huff. 1,776,834; Sept. 30.
- Valve for railway airbrakes, Emergency. S. Prawat and W. J. Kreczmer. 1,748,793; Feb. 25.
- Valve for reserve tanks for motor vehicles, Self-cleaning. F. Swoyer. 1,766,268; June 24.
- Valve for rock drills. J. C. Curtis. 1,783,829; Dec. 2.
- Valve for rock drills. E. B. Lear. 1,750,323; Mar. 11.
- Valve for rock drills. E. B. Lear. 1,761,134; June 3.
- Valve for rock drills. E. B. Lear. 1,771,181; July 22.
- Valve for rock drills. E. B. Lear. 1,781,021; Nov. 11.
- Valve for rock drills. A. R. Mack. 1,756,466; Apr. 29.
- Valve for rock drills. W. A. Smith, jr. 1,774,571-2; Sept. 2.
- Valve for rock drills. W. A. Smith, jr. 1,777,334-6; Oct. 7.
- Valve for rock drills. W. A. Smith, jr. 1,782,102; Nov. 18.
- Valve for rock drills. R. H. Wilhelm. 1,771,868; July 29.
- Valve for rock drills, Hole-. Cleaning. L. L. Richardson. 1,780,440; Nov. 4.
- Valve for sand-blast pressure tanks, Automatic air escape. G. A. Goesger. 1,761,174; June 3.
- Valve for self-acting regulators or governors, Frictionless sliding. H. Thoma. 1,763,994; June 17.
- Valve for single-chamber air-pressure brakes, Release. R. L. Leuchter. 1,755,962; Apr. 22.
- Valve for sirupers, Filling. A. R. Thompson. 1,753,729; Apr. 8.
- Valve for sprinkler systems, Torrent. L. M. Lewis. 1,765,840; June 24.
- Valve for steam driers, Entrainment discharge. C. G. Hawley. 1,748,067; Feb. 25.
- Valve for steam hydraulic systems, Overflow. W. H. Ridgway. 1,782,367; Nov. 18.
- Valve for steam locomotives, Automatic drifting. A. C. Beckwith and F. B. Farnsworth. 1,780,964; Nov. 11.
- Valve for tires, Safety. A. R. Miles. 1,759,796; May 20.
- Valve for the scavenging air pump and for the starting air in internal-combustion engines, Slide. E. O. P. Thege. 1,772,970; Aug. 12.
- Valve for vacuum-cleaner dust bags. R. E. Gray. 1,782,064; Nov. 18.
- Valve for vacuum-closing machines, Transfer. G. Flook. 1,766,018; June 24.
- Valve for water softeners. B. H. Ter Beest. 1,751,061; Mar. 18.
- Valve for wells. T. Quinn and J. F. Aites. 1,753,276; Apr. 8.
- Valve for wells, Capping-device. J. W. Hall. 1,784,007; Dec. 9.
- Valve for working barrels. G. B. Morris and F. L. Ingle-right. 1,746,957; Feb. 11.
- Valve forgings and the like, Truing. W. S. Poetzinger. 1,755,663; Apr. 22.
- Valve, Four-way. A. B. Hauser. 1,775,856; Sept. 16.
- Valve, Fuel-injection. A. Craigon. 1,762,611; June 10.
- Valve, Fuel-saving. V. Parkins. 1,762,308; June 10.
- Valve, Fused-quartz. T. E. Burkhardt. 1,762,088; June 3.
- Valve, Gas. G. M. Maier. 1,757,126; May 6.
- Valve, Gas-lift starting. C. C. Carlisle. 1,744,361; Jan. 21.
- Valve, Gas-line. J. Lerner. 1,750,012; Mar. 11.
- Valve, Gate. E. W. Orton. 1,769,386; July 1.
- Valve, Gate. C. A. Pillatt. 1,752,456; Apr. 1.
- Valve, Gate. S. W. Sparks. 1,752,657; Apr. 1.
- Valve, Gate. W. G. Wilson. 1,763,029; June 10.
- Valve gear, Locomotive. C. J. Scudder. 1,753,028; Apr. 1.
- Valve guide. G. H. Brutscher. 1,754,144; Apr. 8.
- Valve, Heater. E. E. Campbell. 1,751,441; Mar. 18.
- Valve, Heater. H. G. Traver. 1,754,729; Apr. 15.
- Valve, Hydraulic. C. E. Powell. 1,777,128; Sept. 30.
- Valve, Hydraulic. C. W. Thompson. 1,744,514; Jan. 21.
- Valve, Hydraulic back-pressure gas. L. Oliphant. 1,770,341; July 8.
- Valve, Hydraulically-operated tank. A. Davis, jr. 1,781,369; Nov. 11.
- Valve, Injector. P. L. Scott. 1,777,051; Sept. 30.
- Valve-inserting method and mechanism. D. F. O'Brien. 1,781,698; Nov. 18.
- Valve insides. J. C. Crowley. 1,783,327; Dec. 2.
- Valve insides, Tire-. J. Volckhausen. 1,779,573; Oct. 28.
- Valve lapping machine, Triple-. J. R. Ricketts. 1,749,890; Mar. 11.
- Valve-lift-control device for fuel-injection valves. J. C. Groff. 1,761,122; June 3.
- Valve lifter. W. J. Dunston. 1,765,138; June 17.
- Valve lifter. J. P. McCready. 1,785,040; Dec. 16.
- Valve lifter. C. E. Negley. 1,781,187; Nov. 11.
- Valve-lifting device. E. S. Davis. 1,749,875; Mar. 11.
- Valve, Light. G. Holst. 1,767,132; June 24.
- Valve, Liquid-sealed relief. J. E. Moore. 1,778,460; Oct. 14.
- Valve lock. S. Spangler. 1,787,401; Dec. 30.
- Valve lock, Gas. A. E. Kramer and J. W. Platt. 1,786,954; Dec. 30.
- Valve lock, Safety gas-. J. W. Platt and A. E. Kramer. 1,743,685; Jan. 14.
- Valve, Locomotive drifting. R. W. Braden and C. Stern. 1,748,009; Feb. 18.
- Valve, Locomotive throttle. A. F. Stuebing. 1,764,366; June 17.
- Valve, Lubricated plug. F. N. Bard. 1,744,255; Jan. 21.
- Valve, Lubricated plug. S. J. Nordstrom. 1,781,821; Nov. 18.
- Valve, Lubricating. S. S. Roberts. 1,767,552; June 24.
- Valve, Magnetic. A. Clarkson. 1,754,740; Apr. 15.
- Valve, Magnetic. D. O. Marks. 1,765,377; June 24.
- Valve, Magnetic float. W. T. Honiss. 1,745,762; Feb. 4.
- Valve, Measuring. A. Slaten. 1,784,255; Dec. 9.
- Valve mechanism. R. G. Bray. 1,769,202; July 1.
- Valve mechanism. H. L. Dardelet. 1,780,999; Nov. 11.
- Valve mechanism. A. D. Ferguson. 1,786,199; Dec. 23.
- Valve mechanism. J. V. Giesler. 1,784,053; Dec. 9.
- Valve mechanism. D. D. Goldberg. 1,754,424; Apr. 15.
- Valve mechanism. L. M. Goldsmith. 1,777,303; Oct. 7.
- Valve mechanism. W. K. Gosse. 1,786,397; Dec. 23.
- Valve mechanism. W. E. Hoke. 1,781,011; Nov. 11.
- Valve mechanism. F. D. Holdsworth. 1,768,845-6; July 1.
- Valve mechanism. J. P. Humason. 1,783,291; Dec. 2.
- Valve mechanism. J. N. Macrae. 1,772,688; Aug. 12.
- Valve mechanism. E. F. Seager. 1,746,612; Feb. 11.
- Valve mechanism, Automatic. G. F. Hitchcock and T. H. Meeks. 1,768,764; July 1.
- Valve mechanism, Back-pressure. R. H. Schneider. 1,775,833; Sept. 16.
- Valve mechanism, Control-. R. M. Galloway. 1,764,099; June 17.
- Valve mechanism, Delayed-action. C. F. Stoddard. 1,769,760; July 1.
- Valve mechanism, Engine-. E. E. Humes. 1,759,555; May 20.
- Valve mechanism, Expansion pressure-relief-. S. L. Menge. 1,746,160; Feb. 4.
- Valve mechanism for automatic train-pipe couplings. U. A. Whitaker. 1,774,163; Aug. 26.
- Valve mechanism for car tanks. C. H. Folmsbee. 1,760,635; May 27.
- Valve mechanism for flush tanks. W. S. Locke. 1,744,559; Jan. 21.
- Valve mechanism for gas meters. G. Meyer. 1,783,742; Dec. 2.
- Valve mechanism for internal-combustion engines. V. H. Anderson. 1,770,665; July 15.

- Valve mechanism for internal-combustion engines. H. H. Eslinger. 1,784,421; Dec. 9.
- Valve mechanism for internal-combustion engines. J. F. Fisk. 1,763,460; June 10.
- Valve mechanism for internal-combustion engines. R. H. Gerard. 1,754,888; Apr. 15.
- Valve mechanism for internal-combustion engines. M. G. Masters. 1,749,496; Mar. 4.
- Valve mechanism for internal-combustion engines. C. Reeves. 1,754,647; Apr. 15.
- Valve mechanism for internal-combustion engines, Rotary. E. W. Jewell. 1,777,523; Oct. 7.
- Valve mechanism for internal-combustion engines, Rotary. A. F. Stuart. 1,750,733; Mar. 18.
- Valve mechanism for internal-combustion engines, Rotary. J. Wilkinson. 1,765,556; June 24.
- Valve mechanism for internal-combustion motors. G. B. Collier. 1,746,418; Feb. 11.
- Valve mechanism for measuring pumps. A. T. Wakefield. 1,744,186; Jan. 21.
- Valve mechanism for power actuators and the like, Pop-pet-. C. S. Bragg and V. W. Kliesbath. 1,770,193; July 8.
- Valve mechanism for pumps. E. D. Dunning. 1,780,121; Oct. 28.
- Valve mechanism for refrigerators, Expansion-. F. G. Slabell. 1,742,323; Jan. 7.
- Valve mechanism for rock drills. T. L. Murphy. 1,755,702; Apr. 22.
- Valve mechanism for rock drills. W. A. Smith, jr. 1,770,676; July 15.
- Valve mechanism for rock drills. W. A. Smith, jr. 1,776,273; Sept. 23.
- Valve mechanism for rock drills. W. A. Smith, jr. 1,777,775; Oct. 7.
- Valve mechanism for rock drills. W. A. Smith, sr., and W. A. Smith, jr. 1,780,725; Nov. 4.
- Valve-mechanism housing. G. D. Angle. 1,752,055; Mar. 25.
- Valve mechanism, Hydraulic. A. O. Almen. 1,746,227; Feb. 4.
- Valve, mechanism, Hydraulic. G. E. A. Hallett. 1,757,425; May 6.
- Valve mechanism, Hydraulic. C. E. Summers. 1,784,767; Dec. 9.
- Valve mechanism, Quick-acting. W. U. Griffiths. 1,769,832; July 1.
- Valve mechanism, Rotary. W. M. Edwards. 1,777,464; Oct. 7.
- Valve mechanism, Rotary. L. Flescher. 1,751,986; Mar. 25.
- Valve mechanism, Rotary. J. R. Jahn and J. W. Shannon. 1,774,713; Sept. 2.
- Valve mechanism, Slide-. C. H. Matthiessen. 1,758,672; May 13.
- Valve mechanism, Thermostatically-controlled. W. W. Carson, jr. 1,784,041; Dec. 9.
- Valve mechanism, Thermostatically-controlled. J. V. Giesler. 1,784,054-5; Dec. 9.
- Valve mechanism, Thermostatically-controlled. J. V. Giesler. 1,784,057; Dec. 9.
- Valve mechanism, Thermostatically-controlled. J. V. Giesler. 1,784,061; Dec. 9.
- Valve mechanism, Thermostatically-controlled. J. V. Giesler, W. W. Carson, jr., and T. R. Clark. 1,784,056; Dec. 9.
- Valve mechanism, Thermostatically-controlled. W. F. Searle, jr. 1,784,077; Dec. 9.
- Valve mechanism, Waste-. F. A. Johnson. 1,766,712; June 24.
- Valve member. W. S. Ireland. 1,771,043; July 22.
- Valve, Metering. T. W. Culmer and W. K. Marbry. 1,749,802; Mar. 11.
- Valve, Mixing. H. R. Becker. 1,787,304; Dec. 30.
- Valve, Mixing. L. Sinclair. 1,787,215; Dec. 30.
- Valve, Mixing. L. Sirotek. 1,783,264; Dec. 2.
- Valve, Mixing. K. A. Wernle. 1,773,331; Aug. 19.
- Valve, Mixing throttle. H. W. Hess. 1,753,009; Apr. 1.
- Valve motion for duplex pumps. G. W. Volz. 1,772,121; Aug. 5.
- Valve, Motor-operated. T. M. Bruback and D. E. Hibner, jr. 1,777,115; Sept. 30.
- Valve motor, Rotary single-sleeve. E. E. Thisler. 1,753,356; Apr. 8.
- Valve motor, Slide-. W. C. Dunn. 1,773,971; Aug. 26.
- Valve mounting, Feed-. C. A. Campbell. 1,752,631; Apr. 1.
- Valve, Multiple. J. B. Aufuldish. 1,756,845; Apr. 29.
- Valve, Needle. P. L. Scott. 1,745,586; Feb. 4.
- Valve nipples, Sealing means for tire-. J. F. Engle. 1,769,124; July 1.
- Valve, Nonreturn. G. Andersen. 1,754,975; Apr. 15.
- Valve, Nonrising stem. L. H. Moe. 1,775,496; Sept. 9.
- Valve obturator, Expandible. C. Schmitz. 1,779,893; Oct. 28.
- Valve, Oil. L. A. Popp. 1,747,598; Feb. 18.
- Valve-operating device. D. M. Belcher. 1,749,310; Mar. 4.
- Valve-operating means. H. W. Fletcher. 1,784,094; Dec. 9.
- Valve-operating means. J. L. Gish. 1,778,785; Oct. 21.
- Valve-operating means, Engine-. W. A. Wood. 1,760,853; May 27.
- Valve-operating mechanism. J. F. Adam. 1,780,856; Nov. 4.
- Valve-operating mechanism. D. G. Cooper. 1,763,640; June 17.
- Valve-operating mechanism. C. S. Goby. 1,753,745; Apr. 8.
- Valve-operating mechanism. L. F. Heitz. 1,756,552; Apr. 29.
- Valve-operating mechanism. J. Martin. 1,775,908; Sept. 16.
- Valve-operating mechanism. E. F. Miller. 1,771,720; July 29.
- Valve-operating mechanism. D. J. Murray. 1,750,537; Mar. 11.
- Valve-operating mechanism. O. G. Nilson and R. W. Glasner. 1,771,188; July 22.
- Valve-operating mechanism. F. J. Rode. 1,748,732; Feb. 25.
- Valve-operating mechanism, Flush-. H. D. Clemmons. 1,771,247; July 22.
- Valve-operating mechanism for internal-combustion engines. H. K. Reineohl. 1,770,288; July 8.
- Valve-operating mechanism for water-gas plants. J. Lowe. 1,753,274; Apr. 8.
- Valve-operating mechanism, Hydraulic. W. Noble. 1,787,120; Dec. 30.
- Valve-operating mechanism, Portable. P. P. Dean. 1,755,432; Apr. 22.
- Valve-operating mechanism, Sleeve-. A. M. Niven. 1,778,909; Oct. 21.
- Valve-operating mechanism, Throttle-. A. F. Schwendner. 1,769,968; July 8.
- Valve or control mechanism for machines for filling materials into containers. C. Taylor. 1,763,487; June 10.
- Valve or trap, Relief. G. D. Chadeayne. 1,775,637; Sept. 16.
- Valve, Organ. W. H. Reisner. 1,763,182; June 10.
- Valve, Oscillating. J. Gamache. 1,781,901; Nov. 18.
- Valve-pad press. C. E. Maynard. 1,762,832; June 10.
- Valve pedestal, Brake-. C. D. Stewart. 1,754,244; Apr. 15.
- Valve, Pilot-controlled. L. D. Lovekin. 1,747,589; Feb. 18.
- Valve, Piston-type boiler check. C. H. Beckwith. 1,776,060; Sept. 16.
- Valve, Pilot-controlled gas. E. J. Leach. 1,773,817; Aug. 26.
- Valve, Pivoted disk. O. A. Price. 1,744,798; Jan. 28.
- Valve, Plate. L. R. Huff. 1,780,524; Nov. 4.
- Valve, Plug. J. C. Martin, jr. 1,756,650; Apr. 29.
- Valve, Pneumatic control. P. R. Forman. 1,744,041; Jan. 21.
- Valve, Poppet. R. E. Bissell. 1,763,340; June 10.
- Valve, Poppet. R. E. Bissell. 1,775,844-5; Sept. 16.
- Valve, Poppet. T. Bowler. 1,756,337; Apr. 29.
- Valve, Poppet. W. Noble. 1,784,640; Dec. 9.
- Valve, Pop-up. H. M. Hoelscher. 1,776,385; Sept. 23.
- Valve-position-indicating means and circuit closer. D. O. Marks. 1,744,276; Jan. 21.
- Valve position indicator. E. V. Bryant. 1,778,583; Oct. 14.
- Valve, Pressure-actuated. A. Campula. 1,781,366; Nov. 11.
- Valve, Pressure-actuated control. L. N. McClellan, P. A. Kinzie, J. L. Savage, and C. M. Day. 1,750,417; Mar. 11.
- Valve, Pressure-control. F. Baumgartner. 1,785,759; Dec. 23.
- Valve, Pressure-controlled. M. Grohek. 1,777,611; Oct. 7.
- Valve, Pressure-reducing. J. R. Tyre. 1,783,500; Dec. 2.
- Valve, Pressure-regulating. C. H. Dockson. 1,781,054; Nov. 11.
- Valve, Pressure-regulating. D. B. Fawcett. 1,755,639; Apr. 22.
- Valve, Pressure-regulating. J. O. Woodsome. 1,767,270; June 24.
- Valve, Pressure regulating and shut-off. C. H. Hook and N. L. Mercur. 1,764,790; June 17.
- Valve, Pressure-relief. R. E. Joyce. 1,760,067; May 27.
- Valve, Pressure, temperature, and vacuum safety relief. J. A. Maynard. 1,756,652; Apr. 29.
- Valve, Primer. S. F. Goss. 1,759,826; May 20.
- Valve protector. P. J. Shrum. 1,782,150; Nov. 18.
- Valve protector, Gas-. A. Mendelson and S. Pearl. 1,758,960; May 20.
- Valve, Pulsator. J. V. M. Risberg and H. Lindelöf. 1,750,359; Mar. 11.
- Valve, Pump-regulating. H. F. Bickel. 1,786,474; Dec. 30.
- Valve push rod. B. R. Heimendinger. 1,785,308; Dec. 16.
- Valve, Quick-opening blow-off. E. M. Beebe. 1,766,165; June 24.
- Valve, Quick-operating. H. W. Fletcher and R. Neuhaus. 1,760,051; May 27.
- Valve, Radiator vent. E. Jacobus. 1,761,394; June 3.
- Valve reamer, Triple-. J. R. Ricketts. 1,782,910; Nov. 25.
- Valve, Reducing. A. L. Anderson. 1,752,473; Apr. 1.
- Valve, Reducing. A. Hill. 1,769,026; July 1.
- Valve, Reducing. E. Winarsky. 1,750,206; Mar. 11.
- Valve, Refrigerator equalizer. M. C. Terry. 1,786,791; Dec. 30.
- Valve, Regulating. F. E. Bennett. 1,770,192; July 8.
- Valve, Regulating. A. Ruckstuhl. 1,767,702; June 24.
- Valve, Release. N. T. Fox. 1,768,899; July 1.
- Valve, Relief. R. E. Clapp. 1,770,912; July 22.
- Valve, Relief. G. M. Deming. 1,773,726; Aug. 26.
- Valve, Relief. H. G. Holmes. 1,780,782; Nov. 4.

- Valve, Relief. E. G. Parker. 1,756,133; Apr. 29.
 Valve, Relief. E. B. Ranck. 1,786,918; Dec. 30.
 Valve, Relief, by-pass, and check. E. C. Brown and W. E. Hale. 1,742,340; Jan. 7.
 Valve reseater and pilot stem. H. W. Gabel. 1,744,878; Jan. 28.
 Valve-reseating apparatus. J. Y. Scott. 1,749,514; Mar. 4.
 Valve-rod guide for flush tanks. J. F. Duncan. 1,767,519; June 24.
 Valve, Rotary. C. A. Baucom. 1,775,482; Sept. 9.
 Valve, Rotary. B. F. Bowen. 1,766,101; June 24.
 Valve, Rotary. P. J. Gilbert. 1,754,509; Apr. 15.
 Valve, Rotary. F. J. Holmes. 1,754,019; Apr. 8.
 Valve, Rotary. J. Husband. 1,767,239; June 24.
 Valve, Rotary. J. M. Rauha, jr., and A. Mattson. 1,782,389; Nov. 18.
 Valve, Rotary. R. A. Winchester. 1,748,267; Feb. 25.
 Valve, Rotary gate. R. G. Manifold. 1,760,951; June 3.
 Valve, Rubber float. E. L. Delany. 1,775,934; Sept. 16.
 Valve, Safety. R. E. Childs. 1,773,775; Aug. 26.
 Valve, Safety. G. S. Coffin. 1,743,430; Jan. 14.
 Valve, Safety. C. F. Heywood. 1,751,457; Mar. 18.
 Valve, Safety. J. S. and A. M. Willcox. 1,775,795; Sept. 16.
 Valve, Safety. V. Willoughby. 1,774,690; Sept. 2.
 Valve safety device, Air. R. R. Cobb. 1,743,758; Jan. 14.
 Valve, Safety gas. T. R. Jay. 1,771,122; July 22.
 Valve, Sanitary. J. N. Jacobsen. 1,780,525; Nov. 4.
 Valve seat. A. H. Leipert. 1,774,021; Aug. 26.
 Valve seat. F. E. Smith. 1,751,664; Mar. 25.
 Valve seat, Expanded. A. H. Leipert. 1,754,720; Apr. 15.
 Valve-seat liner. C. C. Lee. 1,783,884; Dec. 2.
 Valve-seat reamer. A. C. Savidge. 1,764,184; June 17.
 Valve seat, Replacement. F. E. Smith. 1,770,112; July 8.
 Valve seats, Apparatus for truing. A. I. Dunn. 1,747,060; Feb. 11.
 Valve seats, Device for recutting. W. Davey. 1,765,968; June 24.
 Valve, Self-adjustable. O. Haseloff. 1,775,999; Sept. 16.
 Valve, Self-closing. W. A. Buckner. 1,762,503; June 10.
 Valve, Self-closing. C. D. Fagan. 1,761,821; June 3.
 Valve, Self-cushioning. G. O. Dougherty. 1,768,582; July 1.
 Valve, Self-grinding. C. S. Pope. 1,754,523; Apr. 15.
 Valve, Self-lubricating. F. N. Bard. 1,778,746; Oct. 21.
 Valve, Self-releasing drain. H. E. Graham. 1,778,669; Oct. 14.
 Valve, Shut-off. C. H. Bliven. 1,785,475; Dec. 16.
 Valve silencer. F. M. Kincaid. 1,748,718; Feb. 25.
 Valve silencer. A. Widman. 1,750,377; Mar. 11.
 Valve-silencing mechanism. C. J. McLeod. 1,785,523; Dec. 16.
 Valve, Sleeve. H. J. Edwards. 1,759,445; May 20.
 Valve, Sleeve. C. Y. Knight. 1,769,225; July 1.
 Valve, Sleeve. C. W. Lerner. 1,752,439; Apr. 1.
 Valve sleeve for internal-combustion engines. H. J. Edwards. 1,748,064; Feb. 25.
 Valve, Solenoid-operated. L. W. Eggleston. 1,772,443; Aug. 5.
 Valve spring. B. Cataline and E. C. Richard. 1,742,755; Jan. 7.
 Valve-spring compressor. E. E. Troyer and J. N. Shuey. 1,770,586; July 15.
 Valve-spring compressor and lifter. F. F. Foreman. 1,760,980; June 3.
 Valve-spring lifter. J. A. Anderson. 1,770,899; July 22.
 Valve-spring lifter. C. W. Carr. 1,783,827; Dec. 2.
 Valve-spring retainer. C. W. Finney. 1,775,069; Sept. 2.
 Valve-spring retainer. G. W. Lampman. 1,761,925; June 3.
 Valve-spring retainer. C. E. Summers and G. W. Lampman. 1,761,943; June 3.
 Valve, Sprinkler-system main. E. Tyden. 1,763,834; June 17.
 Valve, Standpipe. E. V. Anderson. 1,767,039; June 24.
 Valve, Starting. Whaley. W. B. S. 1,761,282; June 3.
 Valve, Steam. P. Pascale. 1,744,331; Jan. 21.
 Valve, Steam-radiator return. J. A. Holmberg. 1,744,636; Jan. 21.
 Valve-stem guide. W. L. Ackley. 1,784,086; Dec. 9.
 Valve-stem lock. J. E. Renfer. 1,779,108; Oct. 21.
 Valve-stem-locking means for inner-tube molds and the like. W. L. Fairchild. 1,773,810; Aug. 26.
 Valve stem, Self-cleaning. T. S. Blair. 1,769,672; July 1.
 Valve stem, Tire. E. G. Oakley. 1,761,487; June 3.
 Valve stems, Removable swivel tip for. S. R. Oldham. 1,779,750; Oct. 28.
 Valve, Stop. O. Hajek. 1,783,646; Dec. 2.
 Valve, Stop. S. E. Meyers. 1,773,110; Aug. 19.
 Valve, Strainer and control. W. Van E. Thompson. 1,776,456; Sept. 23.
 Valve structure. J. W. Lawless. 1,743,278; Jan. 14.
 Valve structure. O. J. Leins. 1,784,636; Dec. 9.
 Valve structure, Compressor. H. E. Thompson. 1,768,807; July 1.
 Valve structure, High-duty. C. Ericsson. 1,765,717; June 24.
 Valve structure, High-duty. G. Ericsson. 1,786,295; Dec. 23.
 Valve structure, High-pressure. M. Haddad. 1,766,335; June 24.
 Valve structure, Rotary. P. G. Frazier. 1,742,589; Jan. 7.
 Valve structure, Thermostat. J. H. Grayson. 1,781,328; Nov. 11.
 Valve, Subterranean check. J. J. Mohler. 1,785,138; Dec. 16.
 Valve system, Fire-extinguishing. H. Schlesinger. 1,747,393; Feb. 18.
 Valve system for reciprocating engines. A. C. Tallade. 1,767,624; June 24.
 Valve, Tank. A. L. Betts and P. S. Shield. 1,758,644-5; May 13.
 Valve, Tank filling. C. E. Mace. 1,778,114; Oct. 14.
 Valve tap, Automatic standing. C. D. Roberts. 1,744,921; Jan. 28.
 Valve tappet. W. C. Calkins. 1,748,703; Feb. 25.
 Valve tappet and guide. H. L. Brownback. 1,770,730; July 15.
 Valve tappet, Cushioned. W. F. Porth. 1,751,716; Mar. 25.
 Valve, Temperature-actuated automatic control. J. and A. C. Sladky. 1,754,805; Apr. 15.
 Valve, Terminal. W. E. Snyder. 1,775,625; Sept. 9.
 Valve, Terminal check. G. H. Roberts. 1,776,569; Sept. 23.
 Valve tester. J. B. Fleming. 1,764,616; June 17.
 Valve-testing gauge. J. Stutika. 1,786,092; Dec. 23.
 Valve-testing instrument, Thermionic. J. H. Miller. 1,771,504; July 29.
 Valve, Thermionic. J. S. Van Horne. 1,775,219; Sept. 9.
 Valve, Thermostatic. E. J. Leach. 1,783,730; Dec. 2.
 Valve, Thermostatic. W. R. Zimmerman. 1,774,537; Sept. 2.
 Valve, Thermostatic regulator. F. Janssen. 1,760,199; May 27.
 Valve, Thermostatic mixing. H. A. Bern. 1,775,807; Sept. 16.
 Valve, Thermostatically-controlled. F. E. Aseltine. 1,747,413; Feb. 18.
 Valve, Throttle. W. F. Kiesel, jr. 1,775,961; Sept. 16.
 Valve, Throttle. M. Rivkin. 1,786,578; Dec. 30.
 Valve, Tire. G. A. Meek. 1,769,267; July 1.
 Valve, Tire. A. B. Shaw. 1,744,338; Jan. 21.
 Valve, Tire-alarm. C. J. Mosher. 1,759,362; May 20.
 Valve, Tire pop. N. S. Nelson. 1,772,107; Aug. 5.
 Valve tone throat. C. H. Larsson. 1,781,402; Nov. 11.
 Valve, Transfer. W. E. Goldsborough. 1,773,995; Aug. 26.
 Valve trip. A. H. Rankin. 1,771,690; July 29.
 Valve, Tube-deflating. L. G. Krusell. 1,762,823; June 10.
 Valve, Twin-body tire. H. Hasting. 1,760,551; May 27.
 Valve, Two-way. L. Bloch. 1,753,684; Apr. 8.
 Valve, Union check. S. Thurstensen. 1,756,225; Apr. 29.
 Valve unit for centrifugal pumps. A. Arutunoff. 1,775,480; Sept. 9.
 Valve unit, Hydraulic control. R. M. Galloway and R. A. Schafer. 1,780,471; Nov. 4.
 Valve unit, Thermostatically-controlled. J. V. Giesler. 1,767,696; June 10.
 Valve unit, Thermostatically-controlled. J. V. Giesler. 1,784,060; Dec. 9.
 Valve, Unloading. F. J. Rayfield. 1,779,640; Oct. 28.
 Valve, Vacuum booster-brake control. L. W. Shutts. 1,746,226; Feb. 4.
 Valve, Vacuum radiator. E. F. Donnelly. 1,767,056; June 24.
 Valve, Variable-pressure. C. J. Siefarth. 1,747,910; Feb. 18.
 Valve, Variable pressure or relief. F. J. Rode. 1,753,024; Apr. 1.
 Valve, Ventilator control. R. Clason. 1,761,970; June 3.
 Valve with by-pass, Thermostatic. W. L. Davis and R. Whyte. 1,743,997; Jan. 14.
 Valve with removable ring-seating surface. R. E. Bissell. 1,786,596; Dec. 30.
 Valved coupling. L. F. Doen. 1,759,892; May 27.
 Valves, Apparatus for lapping. C. A. De Witt. 1,743,658; Jan. 14.
 Valves, Apparatus for making composition-rubber float. E. L. Delany. 1,786,483; Dec. 30.
 Valves, Bonnet construction for self-grinding. L. D. Collier. 1,761,655; June 3.
 Valves, Control and locking device for. J. O. Converse. 1,742,495; Jan. 7.
 Valves, Cooling. E. W. Beardsley. 1,768,880; July 1.
 Valves, etc., Apparatus for machining. R. W. Bissell. 1,745,525; Feb. 4.
 Valves from internal-combustion engines, Device for removing the. D. Neal. 1,753,245; Apr. 8.
 Valves from sticking, Means to prevent. C. E. Summers. 1,784,555; Dec. 9.
 Valves, Inserting. W. T. Field. 1,743,338; Jan. 14.
 Valves, Making. H. Ford. 1,772,482; Aug. 12.
 Valves, Making poppet. C. E. Thompson and R. E. Bissell. 1,767,415; June 24.
 Valves, Manufacture of sleeve. A. M. Niven. 1,752,021; Mar. 25.
 Valves, Method of and apparatus for machining. R. W. Bissell. 1,745,524; Feb. 4.
 Valves of valve bags, Closing the. J. C. Redington. 1,762,697; June 10.
 Valves, Operating gate. W. G. Wilson. 1,742,626; Jan. 7.
 Valves or the like, Method of and apparatus for applying rubber washers to. A. E. Bronson. 1,776,017; Sept. 16.
 Valves, Remote control structure for. L. W. Browne. 1,764,825; June 17.
 Valves, Safety attachment for gas. E. Krause. 1,751,044; Mar. 18.

- Vanadium from complex solutions, Recovery of. G. S. Tilley. 1,747,403; Feb. 18.
- Vanadium from ores or compounds, Recovery of. B. D. Saklatwalla. 1,779,856; Oct. 28.
- Vane, Adjustable wind. J. A. Pinaud. 1,768,784; July 1.
- Vane fan, Compound. B. Fuhrer. 1,746,997; Feb. 11.
- Vane formation for rotary elements. L. F. Moody. 1,744,709; Jan. 21.
- Vanity box. J. F. Babbitt. 1,755,908; Apr. 22.
- Vanity box. L. P. Dickey. 1,775,751; Sept. 16.
- Vanity box. W. A. Goertz. Des. 82,493; Nov. 11.
- Vanity box. P. A. Reutter. 1,744,142; Jan. 21.
- Vanity case. L. A. Anderson. 1,782,377; Nov. 18.
- Vanity case. L. V. Aronson. 1,782,024; Nov. 18.
- Vanity case. J. F. Babbitt. 1,755,858; Apr. 22.
- Vanity case. J. F. Babbitt. 1,774,543; Sept. 2.
- Vanity case. A. M. Coons. 1,774,171; Aug. 26.
- Vanity case. C. N. Coryell. 1,754,981; Apr. 15.
- Vanity case. C. N. Coryell. 1,761,615; June 3.
- Vanity case. L. A. Danco. 1,777,717; Oct. 7.
- Vanity case. G. W. Dunnican. 1,785,303; Dec. 16.
- Vanity case. P. Dwan. 1,762,767; June 10.
- Vanity case. E. P. Dwyer. 1,750,215; Mar. 11.
- Vanity case. H. and J. Heitel. 1,759,616; May 20.
- Vanity case. H. B. Ivey. 1,782,726; Nov. 25.
- Vanity case. F. R. Johnson. 1,765,726; June 24.
- Vanity case. W. G. Kendall. 1,778,638; Oct. 14.
- Vanity case. K. R. Larson. 1,743,611; Jan. 14.
- Vanity case. J. F. Moran. 1,742,718; Jan. 7.
- Vanity case. S. Morrison. Des. 82,964; Dec. 30.
- Vanity case. G. Parent. 1,753,315; Apr. 8.
- Vanity case. E. J. Schwabe. 1,760,015; May 27.
- Vanity case. W. F. Shalgren. 1,757,946; May 6.
- Vanity case. W. F. Shalgren. 1,765,033; June 17.
- Vanity case. S. Spender. 1,771,147; July 22.
- Vanity case. W. E. Wacker. 1,778,575; Oct. 14.
- Vanity case. F. E. Wakefield. 1,771,470; July 29.
- Vanity case. D. H. Zell. 1,749,656-7; Mar. 4.
- Vanity case. D. H. Zell. 1,750,983-4; Mar. 18.
- Vanity-case-accessory clamp. E. F. Williams. 1,775,379; Sept. 9.
- Vanity case and compact-holding ring. W. G. Kendall. 1,773,624; Aug. 19.
- Vanity case or like container, Lady's. M. B. Holzman. 1,776,185; Sept. 16.
- Vanity case or similar container. A. Klein and L. Esterow. Des. 81,057; Apr. 29.
- Vanity case or similar article. F. E. Wakefield. Des. 81,819; Aug. 12.
- Vanity case or analogous article. D. H. Zell. Des. 82,868-9; Dec. 16.
- Vanity case, Polygon. C. N. Coryell. 1,760,481; May 27.
- Vanity case, Wrist. C. d'Arlet. 1,777,027; Sept. 30.
- Vapor burner. F. V. Detwiler. 1,757,296; May 6.
- Vapor-discharge device. F. P. Whitaker. 1,760,533; May 27.
- Vapor electric rectifier. J. C. Read. 1,773,008; Aug. 12.
- Vapor electrical device, Alternating-current. W. T. Anderson, jr. 1,749,993; Mar. 11.
- Vapor fractionation, Apparatus for. J. C. Morrell. 1,744,134; Jan. 21.
- Vapor-pressure gauge. P. M. Gelatt. 1,784,052; Dec. 9.
- Vaporproof hand portable. F. C. Kollath. 1,779,675; Oct. 28.
- Vapor rectifier. E. Kern. 1,748,133; Feb. 25.
- Vapor rectifier cathode, Metallic. A. Gaudenzi and E. Kobel. 1,756,682; Apr. 29.
- Vapor-supply means for internal-combustion engines. C. L. Smith. 1,766,363; June 24.
- Vapor-supplying appliance for gas engines, Auxiliary. M. W. Wiegand. 1,775,263; Sept. 9.
- Vapor-supplying attachment. P. F. West. 1,781,356; Nov. 11.
- Vapors and gases with adsorbent carbon, Apparatus for separating and recovering. O. L. Barnebey. 1,777,460; Oct. 7.
- Vapors from liquid petroleum, Apparatus for extracting combustible. I. L. Dunn. 1,760,124; May 27.
- Vapors, gases, and the like, Method of and apparatus for treating. N. G. Linderborg. 1,756,693; Apr. 29.
- Vapors with solids, Apparatus for contacting. W. Miller. 1,761,270; June 3.
- Vaporizer. I. E. Aske. 1,758,020; May 13.
- Vaporizer. M. Colton. 1,756,053; Apr. 29.
- Vaporizer. A. Curioni. 1,770,127; July 8.
- Vaporizer. E. R. Godward. 1,747,361; Feb. 18.
- Vaporizer, Electric. N. Lawner. 1,743,823; Jan. 14.
- Vaporizer, Electric. J. Robinson. 1,775,947; Sept. 16.
- Vaporizer, Forced-feed. C. A. Brewer. 1,765,125; June 17.
- Vaporizer for heaters. J. B. Blaudeau. J. Limousin. H. Rousseaux. and A. Dumont. 1,756,808; Apr. 29.
- Vaporizer for hydrocarbon engines. J. W. Ingleton. 1,749,029; Mar. 4.
- Vaporizer for internal-combustion engines. E. L. Carathanasis. 1,761,327; June 3.
- Vaporizer for internal-combustion engines. J. W. Ingleton. 1,749,035; Mar. 4.
- Vaporizer for internal-combustion engines. H. B. Petit. 1,770,428; July 15.
- Vaporizer for internal-combustion engines, Heavy-fuel. R. F. Lonaberger and C. F. Sands. 1,746,122; Feb. 4.
- Vaporizer, Gasoline. W. Lilly. 1,757,641; May 6.
- Vaporizer, Liquid. C. N. Remfry. 1,771,315; July 22.
- Vaporizer, Liquid-hydrocarbon. P. W. Ensign. 1,769,680; July 1.
- Vaporizer, Oil. R. Krollage. 1,786,117; Dec. 23.
- Vaporizing apparatus or appliance. C. F. Waigand. 1,754,971; Apr. 15.
- Vaporizing device. D. E. Fowler. 1,763,508; June 10.
- Vaporizing device. G. M. Holley. 1,745,325; Jan. 28.
- Vaporizing device, Hydrocarbon-feeding system for. I. E. Aske. 1,748,164; Feb. 25.
- Variable-capacity element. J. Geloso. 1,763,771; June 17.
- Variable resistance. J. L. Howie. 1,753,188; Apr. 1.
- Variable resistance. P. Lauter. 1,785,779; Dec. 23.
- Varicolored effects, Production of. R. E. Bateman. 1,774,694; Sept. 2.
- Varnish. M. Fechter. 1,773,666; Aug. 19.
- Varnish. C. I. B. Henning, C. E. Burke, and E. E. Reid. 1,742,508; Jan. 7.
- Varnish and enamel coatings, Removing. E. C. Fries. 1,742,347; Jan. 7.
- Varnish, making same, and articles made therefrom, Hard rubber. W. A. Gibbons and T. V. Binmore. 1,745,533; Feb. 4.
- Varnish or lacquer and preparing the same. H. F. Wakefield. 1,756,267; Apr. 29.
- Varnishes and the like, Recovering the vapors of. D. Larkin. 1,743,554; Jan. 14.
- Varnishes, Applying nitrocellulose. H. F. Schulz. 1,780,844; Nov. 4.
- Varnishes, Coating surfaces with cellulose. E. Richter and W. Becker. 1,778,813; Oct. 21.
- Varnishes, Manufacturing drying. H. Becker. 1,754,186; Apr. 8.
- Varnishes, Preparing colored nitrocellulose. E. Richter. 1,756,100; Apr. 29.
- Vase. P. M. Shiraishi. 1,762,082; June 3.
- Vase. D. M. Smith. Des. 80,543; Feb. 18.
- Vase. H. J. Verwayen. Des. 81,357; June 10.
- Vase, Grave. J. J. Fitl. 1,765,140; June 17.
- Vase, illuminated flower. F. C. Emmes and J. H. Knopp. 1,781,835; Nov. 18.
- Vase, Smoking. J. H. Reichart. 1,765,773; June 24.
- Vat: See—
Cheese vat. Fermenting vat.
- Vat assistant for use in dyeing. J. G. Kern and C. J. Sala. 1,782,122; Nov. 18.
- Vat color dyeing. F. L. Remlein. 1,750,942; Mar. 18.
- Vat color of the 1:9 thiazole-anthrone series. R. N. Lulek. 1,777,756; Oct. 7.
- Vat for paper-making machines. W. H. Millspaugh. 1,753,800; Apr. 8.
- Vault, Burial. F. Bartlow. 1,772,412; Aug. 5.
- Vault, Burial. L. I. Carmer. 1,779,928; Oct. 28.
- Vault, Burial. E. Hedeon. Des. 82,325; Oct. 21.
- Vault, Burial. G. W. Janda and R. C. Plaggmier. 1,780,193; Nov. 4.
- Vault, Burial. F. C. King. 1,766,649; June 24.
- Vault, Burial. W. S. Stone. 1,772,762; Aug. 12.
- Vault, Burial. F. L. Temple. 1,785,156; Dec. 16.
- Vault, Concrete burial. D. E. Minton and S. H. Gallagher. 1,778,367; Oct. 14.
- Vault construction. A. L. Abbott. 1,770,189; July 8.
- Vault, Grave. C. S. Rikert. 1,757,389; May 6.
- Vault, Grave. R. E. Smith. Des. 82,855; Dec. 16.
- Vault release. H. Anderson. 1,786,975; Dec. 30.
- Vault ventilator. O. B. McClintock. 1,743,366; Jan. 14.
- Vault ventilator. R. R. West. 1,786,277; Dec. 23.
- Vegetable cutter. J. M. Alexander. 1,771,456; July 29.
- Vegetable-cutting apparatus. W. W. Jones. 1,766,824; June 24.
- Vegetable fibers of any kind, Process of rapidly bleaching. C. G. Schwalbe. 1,754,909; Apr. 15.
- Vegetable food, Making a. E. H. Miles and G. Reilly. 1,775,967; Sept. 16.
- Vegetable substances and products of organic character, Dehydrating. B. J. Owen. 1,781,473; Nov. 11.
- Vegetable topper. R. Hahn. 1,780,820; Nov. 4.
- Vegetable washer. C. L. Dallinga. 1,750,612; Mar. 11.
- Vegetable washer. A. G. Suelflow and C. C. Wolford. 1,772,880; Aug. 12.
- Vegetables and the like, Method of and apparatus for removing the outer coverings of. H. E. Hamilton, F. C. Krueger, and A. Hamilton. 1,747,002; Feb. 11.
- Vegetation, Carbonizing solid. W. Crow. 1,773,959; Aug. 26.
- Vegetative device. M. B. Jackson. 1,752,597; Apr. 1.
- Vehicle. H. Aanonson. 1,787,029; Dec. 30.
- Vehicle. C. Adams. 1,743,842; Jan. 14.
- Vehicle. H. J. Albers. 1,760,620; May 27.
- Vehicle. I. H. Athey. 1,743,589; Jan. 14.
- Vehicle. I. H. Athey. 1,761,861; June 3.
- Vehicle. R. de Filippis. 1,756,539; Apr. 29.
- Vehicle. R. B. Fageol. 1,763,767; June 17.
- Vehicle. T. J. Fay. 1,766,617; June 24.
- Vehicle. G. W. Franklin. 1,751,316; Mar. 18.
- Vehicle. H. C. Hollinger. 1,777,364; Oct. 7.
- Vehicle. R. G. McKay. 1,758,957; May 20.
- Vehicle. E. T. Pearsons. 1,769,544; July 1.
- Vehicle. M. E. Roe. 1,763,183; June 10.
- Vehicle. J. E. Wright. 1,767,032; June 24.
- Vehicle. F. J. Zalesky. 1,766,238; June 24.
- Vehicle adapted for traveling over rough ground, Roadless. E. F. Norelius. 1,776,446; Sept. 23.
- Vehicle, Amusement. R. J. Luske. 1,758,799; May 13.
- Vehicle and machine element, Spring-supported. E. Kreisig. 1,776,261; Sept. 23.

- Vehicle and the like, Transport. J. L. Delpini. 1,766,506; June 24.
- Vehicle, Armored motor. F. J. Campbell. 1,747,142; Feb. 11.
- Vehicle, Automobile. C. H. Hylton. 1,743,892; Jan. 14.
- Vehicle, Automotive. E. H. Delling. 1,781,322; Nov. 11.
- Vehicle, Automotive. F. R. Fageol. 1,775,754; Sept. 16.
- Vehicle, Berry-picker's. J. D. W. Williams. 1,756,803; Apr. 29.
- Vehicle bodies, Constructing. S. F. Blanch. 1,745,352; Feb. 4.
- Vehicle body. E. I. Garfield. 1,781,380; Nov. 11.
- Vehicle body. J. M. Howe. 1,757,194; May 6.
- Vehicle body. E. T. Pearsons. Des. 82,277; Oct. 14.
- Vehicle body. A. Rosman. 1,784,975; Dec. 16.
- Vehicle body. O. H. Spencer. Des. 82,005; Sept. 9.
- Vehicle body and top construction. H. C. Maise. 1,772,779; Aug. 12.
- Vehicle body construction. W. J. Hoskyns. 1,751,737; Mar. 25.
- Vehicle-body construction. W. Marshall. 1,747,451; Feb. 18.
- Vehicle body construction. W. Marshall. 1,751,828; Mar. 25.
- Vehicle body construction. R. D. Marx. 1,763,715; June 17.
- Vehicle body construction. M. W. Moesta. 1,770,941; July 22.
- Vehicle body construction. S. Paul. 1,778,507; Oct. 14.
- Vehicle body construction. S. Paul. 1,780,717; Nov. 4.
- Vehicle body construction, Convertible. R. S. Roberts and J. Votypka. 1,780,797; Nov. 4.
- Vehicle body, Motor. W. Gowen. 1,786,990; Dec. 30.
- Vehicle body, Motor. E. F. Roberts. 1,787,169; Dec. 30.
- Vehicle body, Motor-. R. S. Sanford. 1,762,640; June 10.
- Vehicle body, Road-. R. B. Fageol. 1,743,334; Jan. 14.
- Vehicle brake. A. B. Cadman. 1,772,855; Aug. 12.
- Vehicle brake. A. B. Cadman and A. C. Warner. 1,777,290; Oct. 7.
- Vehicle brake. E. B. Flanagan. 1,757,011; May 6.
- Vehicle brake. J. Insul. 1,767,761; June 24.
- Vehicle brake. A. J. Levoie. 1,761,043; June 3.
- Vehicle brake. V. Link. 1,747,518; Feb. 18.
- Vehicle brake. E. J. Madden. 1,786,856; Dec. 30.
- Vehicle brake. E. J. Madden. 1,786,912; Dec. 30.
- Vehicle brake. J. J. McGuire. 1,783,852; Dec. 2.
- Vehicle brake. W. S. Stockton. 1,762,842; June 10.
- Vehicle brake. C. H. Taylor. 1,750,788; Mar. 18.
- Vehicle brake mechanism. E. R. Evans. Re17,688; June 3.
- Vehicle brake, Motor-. P. A. S. Iversen. 1,754,858; Apr. 15.
- Vehicle brake, Motor-. G. Walker. 1,768,176; June 24.
- Vehicle brake tester. T. H. Lloyd. 1,742,477; Jan. 7.
- Vehicle braking apparatus. T. H. Lee. 1,754,861; Apr. 15.
- Vehicle chassis, Three-wheel-. E. L. Pearson. 1,747,526; Feb. 18.
- Vehicle, Child's. W. J. Baker. 1,778,928; Oct. 21.
- Vehicle, Child's. W. B. Miles. Des. 82,750-4; Dec. 9.
- Vehicle, Child's. M. Schuster. 1,770,242; July 8.
- Vehicle, Child's collapsible. R. H. Brown. 1,765,786; June 24.
- Vehicle, Commercial. H. A. Shaw. Des. 82,239; Oct. 7.
- Vehicle, Concrete-transporting. A. C. Avril. 1,778,348; Oct. 14.
- Vehicle construction. A. W. Brohman. 1,763,088; June 10.
- Vehicle construction. H. Ford. 1,778,633; Oct. 14.
- Vehicle construction. H. Ford. 1,781,503; Nov. 11.
- Vehicle construction. L. Underwood. 1,787,131; Dec. 30.
- Vehicle construction, Cushion connection for. A. H. Leipert. 1,770,209; July 8.
- Vehicle construction, Motor-. A. I. Marcum. 1,773,782; Aug. 26.
- Vehicle construction, Motor-. J. G. Utz. 1,754,291; Apr. 15.
- Vehicle control apparatus, Motor-. J. L. Brownell. 1,781,099; Nov. 11.
- Vehicle control means. K. O. Schauman. 1,758,854; May 13.
- Vehicle coupling. L. J. Kline. 1,744,972; Jan. 28.
- Vehicle curtain roller. T. H. Olhow. 1,773,786; Aug. 26.
- Vehicle decking device for freight cars and the like. A. Copony. 1,745,982; Feb. 4.
- Vehicle direction indicator. A. G. Brodbeck and H. W. Armading. 1,779,030; Oct. 21.
- Vehicle direction, warning, and stop signalling apparatus. A. V. Bills. 1,746,631; Feb. 11.
- Vehicle driving mechanism. W. O. Stokes. 1,773,206; Aug. 19.
- Vehicle, Dump-body. L. E. Williams. 1,780,775; Nov. 4.
- Vehicle, Dumping. C. F. Higgins. 1,757,190; May 6.
- Vehicle, Electrically-driven. W. C. Harris. 1,743,773; Jan. 14.
- Vehicle, Endless-track. A. Kégresse. 1,786,430; Dec. 30.
- Vehicle, Endless track. R. B. W. Venzlaff and O. F. Buck. 1,756,770; Apr. 29.
- Vehicle fender, Motor-. H. T. Thomas. 1,749,453; Mar. 4.
- Vehicle for acetyl-salicylic-acid tablets. W. C. Bausch. 1,746,984; Feb. 11.
- Vehicle frame construction. C. Froesch. 1,750,221; Mar. 11.
- Vehicle frame, Toy. M. S. Furman. 1,748,566; Feb. 25.
- Vehicle front end assembly. F. F. Valpey. 1,786,044; Dec. 23.
- Vehicle heater. S. J. V. Bovey. 1,772,067; Aug. 5.
- Vehicle heater. E. E. Miller. 1,765,933; June 24.
- Vehicle heater. G. N. Thomas. 1,782,325; Nov. 18.
- Vehicle hold-down. C. L. Snyder and E. S. Evans. 1,769,277; July 1.
- Vehicle holddown, Motor-. W. B. Cook. 1,759,733; May 20.
- Vehicle hood lock, Motor-. H. J. Fisher. 1,748,875; Feb. 25.
- Vehicle, Juvenile. J. W. Arney. 1,772,794; Aug. 12.
- Vehicle, Land and water. G. Raimondl. 1,752,200; Mar. 25.
- Vehicle, Land and water. A. P. Romaniuk. 1,759,280; May 20.
- Vehicle, Laterally-stable air. D. R. Davis. 1,751,622; Mar. 25.
- Vehicle lifter, Motor-. A. E. Shubert. 1,743,984; Jan. 14.
- Vehicle lifting appliance. I. A. Weaver. 1,773,330; Aug. 19.
- Vehicle light. B. L. Bobroff. Des. 80,773; Mar. 25.
- Vehicle light. C. B. Kurtz. 1,786,400; Dec. 23.
- Vehicle lock. G. R. Sullivan. 1,753,873; Apr. 8.
- Vehicle, Motor. C. Berg. 1,784,995; Dec. 9.
- Vehicle, Motor. L. L. Bishop. 1,760,108; May 27.
- Vehicle, Motor. C. Breer. 1,748,702; Feb. 25.
- Vehicle, Motor. L. R. Buckendale. 1,778,242; Oct. 14.
- Vehicle, Motor. L. R. Buckendale and C. A. Peirce. 1,784,268; Dec. 9.
- Vehicle, Motor. H. C. Elliott. 1,781,500; Nov. 11.
- Vehicle, Motor. G. Fornaca. 1,747,166; Feb. 18.
- Vehicle, Motor. R. Fuller. 1,769,638; July 1.
- Vehicle, Motor. J. A. Granstedt. 1,743,272; Jan. 14.
- Vehicle, Motor. W. R. Griswold. 1,783,614; Dec. 2.
- Vehicle, Motor. F. Huber. 1,743,549; Jan. 14.
- Vehicle, Motor. C. H. Ingwer. 1,787,155; Dec. 30.
- Vehicle, Motor. A. L. Knapp. 1,755,959; Apr. 22.
- Vehicle, Motor. J. C. Lusse. 1,747,122; Feb. 11.
- Vehicle, Motor. A. Moorhouse. 1,766,922; June 24.
- Vehicle, Motor. A. Moorhouse. 1,766,924-6; June 24.
- Vehicle, Motor. A. Moorhouse. 1,780,270; Nov. 4.
- Vehicle, Motor. J. N. Parker. 1,780,599; Nov. 4.
- Vehicle, Motor. E. Rumpier. 1,748,903; Feb. 25.
- Vehicle, Motor. F. Schmitt. 1,778,837; Oct. 21.
- Vehicle, Motor. M. Tibbetts. 1,744,179; Jan. 21.
- Vehicle, Motor. M. Tibbetts. 1,780,281; Nov. 4.
- Vehicle, Motor. J. G. Vincent. 1,766,859; June 24.
- Vehicle, Motor. L. M. Woolson. 1,766,866; June 24.
- Vehicle, Motor-driven. A. G. Rayburn. 1,776,479; Sept. 23.
- Vehicle, Multiple-wheel road. A. I. Marcum. 1,745,431; Feb. 4.
- Vehicle parking and locking device. J. H. Moffat. Re17,768; Aug. 12.
- Vehicle, Passenger. F. Hedley and J. S. Doyle. 1,744,891; Jan. 28.
- Vehicle pilot or wheel guard. C. B. Jones. 1,769,955; July 8.
- Vehicle, Occupant-propelled. W. J. Pugh. 1,787,322; Dec. 30.
- Vehicle, Refrigerator. L. B. Olin. 1,758,529; May 13.
- Vehicle, Refuse-collection. O. C. Knigge. 1,775,726; Sept. 16.
- Vehicle, Road. D. B. Cook. 1,751,074; Mar. 18.
- Vehicle, Road. R. B. Fageol. Re17,889; Dec. 2.
- Vehicle seat. S. D. and R. D. Black. 1,756,807; Apr. 29.
- Vehicle seat. A. Dufaux. 1,747,932; Feb. 18.
- Vehicle seat. L. B. Harris. 1,767,757; June 24.
- Vehicle seat. F. J. Hilburger. 1,742,540; Jan. 7.
- Vehicle seat. M. H. Toncray. 1,769,242; July 1.
- Vehicle seat, Motor. A. B. Blumenberg. 1,762,046; June 3.
- Vehicle, Self-loading. J. Buzzo. 1,780,064; Oct. 28.
- Vehicle, Self-propelled. E. W. Brandenstein. 1,765,298; June 17.
- Vehicle, Self-propelled. R. T. Osman. 1,773,496; Aug. 19.
- Vehicle, Self-propelled railway. H. Glaenzer and C. C. Burkhardt. 1,787,368; Dec. 30.
- Vehicle, Self-propelled road. E. T. J. Tapp. 1,783,890; Dec. 2.
- Vehicle, Semidouble-deck passenger-carrying. A. E. Hutt. 1,769,027; July 1.
- Vehicle side light. R. G. Handy. 1,770,738; July 15.
- Vehicle signal. J. M. Blackburn. 1,768,107; June 24.
- Vehicle signal. G. R. Hooker and C. J. Miller. 1,748,930; Feb. 25.
- Vehicle signal. E. Jones. 1,787,382; Dec. 30.
- Vehicle signal. E. Maunz. 1,758,547; May 13.
- Vehicle signal. E. E. Rich. Des. 81,074; Apr. 29.
- Vehicle signal. A. J. Salazar. 1,764,121; June 17.
- Vehicle signal. F. W. Schroeder. 1,749,305; Mar. 4.
- Vehicle signal. R. L. Shoup. 1,757,816; May 6.
- Vehicle signal. J. E. Smith. 1,778,918; Oct. 21.
- Vehicle signal. E. W. Swartwout. 1,749,168; Mar. 4.
- Vehicle signal and release system. H. L. Mason. 1,745,307; Jan. 28.
- Vehicle, Six-wheel motor. A. C. Wollensak. 1,773,508; Aug. 19.
- Vehicle splash guard. L. H. Pollaert. 1,779,331; Oct. 21.
- Vehicle spring. E. Bagnall. 1,757,405; May 6.
- Vehicle spring. C. Chambers, Jr. 1,785,828; Dec. 23.
- Vehicle spring. R. W. Davis. 1,774,503; Sept. 2.
- Vehicle spring. J. W. Fry. 1,743,538; Jan. 14.

- Vehicle spring. J. N. Johnson. 1,753,420; Apr. 8.
 Vehicle spring. S. J. Lessing. 1,776,442; Sept. 23.
 Vehicle spring. S. S. Shears. 1,763,192; June 10.
 Vehicle spring apparatus. P. R. Morrison. 1,770,278; July 8.
 Vehicle springs, Device for controlling the action of. G. W. Libby. 1,759,948; May 27.
 Vehicle, Steam-driven. S. E. Alley and A. C. Hutt. 1,743,514; Jan. 14.
 Vehicle, Steam motor. J. A. Harris. 1,751,734; Mar. 25.
 Vehicle suspension. A. Hulley. 1,777,565; Oct. 7.
 Vehicle suspension means. C. Keck. 1,757,839; May 6.
 Vehicle suspension, Motor-. R. A. Weinhardt. 1,753,489; Apr. 8.
 Vehicle, Tandem-axle. A. I. Marcum. 1,744,401; Jan. 21.
 Vehicle, Tandem-wheeled. F. M. Reid. 1,770,583; July 15.
 Vehicle tongue. A. I. Roorda. 1,755,519; Apr. 22.
 Vehicle top structure. W. G. Mayer. 1,749,884; Mar. 11.
 Vehicle tow bar. L. P. Signer. 1,779,192; Oct. 21.
 Vehicle, Track. H. Liechty. 1,781,334; Nov. 11.
 Vehicle, Traction. L. Y. Spear and C. P. Caulkins. 1,764,902; June 17.
 Vehicle, Trailer. A. B. Cadman. 1,755,100; Apr. 15.
 Vehicle, Trailer. A. B. Cadman. 1,782,115-16; Nov. 18.
 Vehicle turning signal. A. W. Skog. 1,768,717; July 1.
 Vehicle, Water. K. E. Froedtert. 1,761,883; June 3.
 Vehicle, Water. M. Gorski. 1,761,884; June 3.
 Vehicle wheel. T. N. Aikens. 1,742,432; Jan. 7.
 Vehicle wheel. I. H. Athey. 1,753,735; Apr. 8.
 Vehicle wheel. F. W. Baker. 1,748,058; Feb. 25.
 Vehicle wheel. F. W. Baker. 1,777,711; Oct. 7.
 Vehicle wheel. J. H. Hunt and G. M. Evans. 1,751,086; Mar. 18.
 Vehicle wheel. C. G. Keller. 1,768,958; July 1.
 Vehicle wheel. A. Meldrum. 1,742,965; Jan. 7.
 Vehicle wheel. A. J. Michellin. 1,750,483; Mar. 11.
 Vehicle wheel. J. V. Pugh. 1,777,223; Sept. 30.
 Vehicle wheel. J. H. Wagenhorst. 1,745,919; Feb. 4.
 Vehicle wheel. E. W. Weathers. 1,747,560; Feb. 18.
 Vehicle wheel, Folding. T. Brown. 1,744,156; Jan. 21.
 Vehicle wheel, Independently-mounted. A. Bizzarri. 1,760,109; May 27.
 Vehicle wheel, Pneumatic. F. F. Andersen. 1,768,876; July 1.
 Vehicle wheel, Resilient. W. E. Lacey. 1,759,358; May 20.
 Vehicle wheel, Wire-spoked. W. N. Booth. 1,748,168; Feb. 25.
 Vehicle wheel, Wire-spoked. W. N. Booth. 1,748,630; Feb. 25.
 Vehicle with actuated doors, Dump. H. F. Flowers. 1,785,678; Dec. 16.
 Vehicles and the like through the medium of their wheels, Means or apparatus for lifting motor. J. A. G. Kirsten. 1,782,306; Nov. 18.
 Vehicles, Attachment for. S. Anchacles. 1,748,694; Feb. 25.
 Vehicles, Attachment for motor. F. C. Goldsmith. 1,749,027; Mar. 4.
 Vehicles, Compressor mounting for automotive. H. D. Church. 1,747,504; Feb. 18.
 Vehicles, Convertible body for motor. E. Alexander. 1,746,573; Feb. 11.
 Vehicles, Cooling apparatus for motor. J. A. Granstedt. 1,759,305; May 20.
 Vehicles, Device for preventing retrograde movement of. J. L. Gonard. 1,778,799; Oct. 21.
 Vehicles, Draft appliance for railway. W. J. Regan. 1,758,974; May 20.
 Vehicles, Drive mechanism for motor. A. G. Rayburn. 1,776,480; Sept. 23.
 Vehicles, Driving and steering mechanism for children's. H. H. Edele. 1,743,121; Jan. 14.
 Vehicles, Dump body for. I. L. Gotcher. 1,742,248; Jan. 7.
 Vehicles, Dumping. C. F. Higgins. 1,766,436; June 24.
 Vehicles, Dynamo-electric driving set for. F. Porsche. 1,758,533; May 13.
 Vehicles, Elevating device for shipping. C. A. Noone. 1,779,948; Oct. 28.
 Vehicles, Emergency exit for. R. A. Mackie. 1,760,422; May 27.
 Vehicles, Handling and storing motor. G. Lowenstein. 1,783,296; Dec. 2.
 Vehicles in garages, Handling. G. Lowenstein. 1,785,034; Dec. 16.
 Vehicles, Indicator for parking road. C. B. Fowler. 1,754,014; Apr. 8.
 Vehicles, Lifting device for. K. Adams. 1,773,159; Aug. 19.
 Vehicles, Lighting motor. K. D. Chambers. 1,786,518; Dec. 30.
 Vehicles, Liquid-fuel-feeding device for motor. W. E. Hart. 1,757,666; May 6.
 Vehicles on railroads, Apparatus for controlling the movement of. F. J. Sprague. 1,771,149; July 22.
 Vehicles, particularly of motor cars and like, Suspension of. D. M. Pompo and O. B. Andrade. 1,773,599; Aug. 19.
 Vehicles, Power actuator for brake mechanism of automotive. C. S. Bragg and V. W. Kliesrath. 1,753,283; Apr. 8.
 Vehicles, Safety means for motor. G. Santangelo. 1,785,598; Dec. 16.
 Vehicles, Seating arrangement for motor. R. E. Lyford. 1,743,149; Jan. 14.
 Vehicles, Storage and handling of motor. R. Craig. 1,749,324; Mar. 4.
 Vehicles, Stub-receiving and extinguishing adjunct for motor. C. A. Benjamin. 1,772,176; Aug. 5.
 Vehicles, Suspension of road. F. H. Royce. 1,743,399; Jan. 14.
 Vehicles, Tilting device for. A. Williamson. 1,787,589; Dec. 30.
 Vehicles to the decks of ships or other carriers, Apparatus for securing wheeled. W. Nicholson. 1,770,798; July 15.
 Vehicles, Turning device for motor. J. A. Granstedt. 1,760,643; May 27.
 Vehicles, Yielding barrier for. J. B. Strauss. 1,748,563; Feb. 25.
 Vehicular signal. W. Lipsky. 1,757,869; May 6.
 Velocipede. H. K. Burdick. 1,767,047; June 24.
 Velocipede. W. A. Marqua. 1,778,116; Oct. 14.
 Velocipede. I. Nettles. 1,763,250; June 10.
 Velocipede. F. F. Quickert. 1,761,679; June 3.
 Velocipede construction. F. J. Grabowski. 1,760,830; May 27.
 Vending and change-making machine. C. W. Nixon. 1,753,090; Apr. 1.
 Vending and display stand, Combined. R. W. Phelps. Des. 81,070; Apr. 29.
 Vending and measuring device, Liquid. E. L. Hubbard. 1,747,633; Feb. 18.
 Vending apparatus. C. W. Nixon. 1,753,088; Apr. 1.
 Vending apparatus, Coin-controlled. C. Wetzell and W. Imhoffen. 1,765,894; June 24.
 Vending apparatus, Fruit-. H. G. Nutt. 1,753,248; Apr. 8.
 Vending apparatus, Liquid-. A. J. Gorlick. 1,769,504; July 1.
 Vending machine. A. D. Antoine and A. E. Gebert. 1,767,112; June 24.
 Vending machine. W. M. Baxter. 1,765,963; June 24.
 Vending machine. W. W. Cadwell. 1,765,259; June 17.
 Vending machine. J. E. Carroll. 1,777,715; Oct. 7.
 Vending machine. R. M. Cope. 1,742,581; Jan. 7.
 Vending machine. J. T. Crow. 1,758,432; May 13.
 Vending machine. C. H. Curtis. 1,758,390; May 13.
 Vending machine. C. H. Davis. 1,761,386; June 3.
 Vending machine. A. H. Du Grenier. 1,778,187; Oct. 14.
 Vending machine. M. Duncan. 1,765,216; June 17.
 Vending machine. C. Fleischer. 1,770,305; July 8.
 Vending machine. E. H. Frey. 1,744,112; Jan. 21.
 Vending machine. G. F. Gibson. 1,780,124; Oct. 28.
 Vending machine. H. Giles. 1,749,579; Mar. 4.
 Vending machine. R. I. Graves. 1,781,839; Nov. 18.
 Vending machine. I. Green. 1,745,254; Jan. 28.
 Vending machine. L. Greene. 1,752,376; Apr. 1.
 Vending machine. G. Hoppe. 1,753,417; Apr. 8.
 Vending machine. H. H. Langenfeld. 1,755,655; Apr. 22.
 Vending machine. D. Lazar. 1,767,684; June 24.
 Vending machine. C. Lea. 1,787,204; Dec. 30.
 Vending machine. G. B. Macke. 1,766,297-8; June 24.
 Vending machine. G. H. Matchett. 1,749,773; Mar. 11.
 Vending machine. F. L. Mills. 1,752,750; Apr. 1.
 Vending machine. G. E. Norris. 1,778,833; Oct. 21.
 Vending machine. S. A. Nystedt. 1,754,037; Apr. 8.
 Vending machine. L. E. Parker. 1,751,169; Mar. 18.
 Vending machine. W. A. Patton. 1,743,931; Jan. 14.
 Vending machine. H. H. Peterson. 1,767,307; June 24.
 Vending machine. S. E. Purdum. 1,746,279; Feb. 11.
 Vending machine. M. H. Richardson and A. D. Antoine. 1,758,333; May 13.
 Vending machine. M. H. Richardson and A. D. Antoine. 1,763,723; June 17.
 Vending machine. M. H. Richardson and A. E. Gebert. 1,758,373; May 13.
 Vending machine. W. S. Runnels. 1,786,868; Dec. 30.
 Vending machine. J. E. Sapp. 1,744,679; Jan. 21.
 Vending machine. J. J. Somergary and A. Leichtman. 1,765,108; June 17.
 Vending machine. A. J. Swing. 1,769,399; July 1.
 Vending machine. G. Weiss. 1,767,634; June 24.
 Vending machine. J. H. Wolters. 1,751,674; Mar. 25.
 Vending machine and change tray, Combination. G. R. Webber. 1,761,604; June 3.
 Vending machine, Automatic. A. Heiland. 1,776,758; Sept. 23.
 Vending machine, Automatic drink-. B. Bigelow. 1,779,839; Oct. 28.
 Vending machine, Ball-. J. E. Craddock. 1,786,289; Dec. 23.
 Vending machine, Bottle. C. A. Frick and R. E. Baker. 1,767,583; June 24.
 Vending machine, Bottled-beverage-. H. F. Dotson. 1,752,479; Apr. 1.
 Vending-machine case. C. W. Klostermann. Des. 81,699; July 29.
 Vending-machine casing or similar article. O. D. Jennings. Des. 81,446; June 24.
 Vending-machine casing, Razor-blade-. A. J. Branstad. Des. 82,872; Dec. 23.
 Vending machine, Coin-controlled. J. W. Beeson. 1,783,325; Dec. 2.
 Vending machine, Coin-controlled. J. H. Farrar. 1,784,587; Dec. 9.
 Vending machine, Coin-controlled. H. Giles. 1,763,352; June 10.
 Vending machine, Coin-controlled. F. L. Mills. 1,767,602; June 24.

- Vending machine, Coin-controlled. C. Wetzell and W. Inhoffen. 1,748,433; Feb. 25.
- Vending machine, Coin-operated. C. F. Kurtz. 1,782,659; Nov. 25.
- Vending machine, Coin-operated. F. J. Rowse. 1,753,481; Apr. 8.
- Vending machine, Coin-operated. F. J. Rowse. 1,782,768; Nov. 25.
- Vending machine for refrigeration type. J. I. Lehrman. 1,771,933; July 29.
- Vending machine, Liquid-. F. I. du Pont. 1,748,471; Feb. 25.
- Vending machine, Pencil-. H. W. White. 1,745,286; Jan. 28.
- Vending machine, Perfume-. S. Schiano. 1,764,693; June 17.
- Vending machine, Portable. R. E. Heath. 1,763,044; June 10.
- Vending machine, Tire-valve-core-. C. Schrum. 1,765,180; June 17.
- Vending machines and the like, Coin-controlled operating mechanism for. V. A. Scott. 1,749,195; Mar. 4.
- Vending machines, Coin-control mechanism for. S. J. Swanson. 1,760,449; May 27.
- Vending machines, Coin-controlled mechanism for. A. D. Antoine. 1,773,701; Aug. 19.
- Vending machines, Display device for. A. D. Antoine and A. E. Gebert. 1,759,031; May 20.
- Vending machines, Package-ejecting mechanism for. W. F. Bernart, jr. 1,776,462; Sept. 23.
- Vending machines, Slug eliminator for. A. E. Johnson. 1,752,798; Apr. 1.
- Vending stand. C. S. Hall. Re81,787; Aug. 12.
- Veneer and preventing same from splitting, Reinforced. E. P. Becker. 1,744,203; Jan. 21.
- Veneer and shingle machines, Feed-roll mechanism for. J. E. Eckersley. 1,780,582; Nov. 4.
- Veneer, Apparatus for cutting and printing. M. E. Miller. 1,776,977; Sept. 30.
- Veneer-cutting machine. J. T. Mengel. 1,772,726; Aug. 12.
- Veneer for artificial teeth, Carved. F. C. Miller. 1,750,810; Mar. 18.
- Veneer panels, Apparatus for cooling. B. A. Olson. 1,777,764; Oct. 7.
- Veneer sheets, Coloring walnut-. E. P. Mengel. 1,774,940; Sept. 2.
- Veneer stacker. E. G. Stack. 1,754,700; Apr. 15.
- Veneer trimmer. T. Robinson. 1,753,967; Apr. 8.
- Veneered sheets, Treating. A. Elmendorf. 1,778,251; Oct. 14.
- Venetian blind. A. H. Dodge. 1,756,680; Apr. 29.
- Venetian blind. H. J. Mackin. 1,755,448; Apr. 22.
- Vent for storage batteries. G. E. Petrosky. 1,786,961; Dec. 30.
- Vent opening and plug for storage batteries. J. L. Woodbridge. 1,758,551; May 13.
- Ventilating. W. L. Fleisher. 1,751,805; Mar. 25.
- Ventilating and air-purifying unit. W. P. Aron. 1,765,962; June 24.
- Ventilating and attemperating auditoriums and the like, Method and system for. W. H. Carrier. 1,775,749; Sept. 16.
- Ventilating and humidifying system. G. T. Markey. 1,751,093; Mar. 18.
- Ventilating apparatus. H. L. Elliott and R. A. Carroll. 1,782,890; Nov. 25.
- Ventilating apparatus. C. Ferguson. 1,786,200; Dec. 23.
- Ventilating apparatus. E. P. Grisham. 1,766,898; June 24.
- Ventilating apparatus. J. C. Knapp. 1,767,988; June 24.
- Ventilating apparatus. A. W. Stewart. 1,783,005; Nov. 25.
- Ventilating apparatus. M. A. Vining. 1,763,282; June 10.
- Ventilating apparatus for automobiles. F. C. Duerk. 1,751,686; Mar. 25.
- Ventilating arrangement for dynamo-electric machines. H. Rosenthal. 1,751,424; Mar. 18.
- Ventilating automobile bodies, Apparatus and method for. R. E. Callier. 1,742,753; Jan. 7.
- Ventilating construction, Automobile. H. Ford. 1,783,501; Dec. 2.
- Ventilating device. A. Cauchemont. 1,784,783; Dec. 9.
- Ventilating device. A. Flettner. 1,773,453; Aug. 19.
- Ventilating device. A. C. Gilbert. 1,786,203; Dec. 23.
- Ventilating device. D. K. Macleod. 1,750,178; Mar. 11.
- Ventilating device for automobiles and other vehicles. H. J. Lucke. 1,758,573; May 13.
- Ventilating device, Shoe-. R. H. Schwalm. 1,750,970; Mar. 18.
- Ventilating device, Sound-controlling. H. R. Bliss. 1,783,276; Dec. 2.
- Ventilating dome. H. C. Biette. 1,776,991; Sept. 30.
- Ventilating joist pocket. W. A. Wynkoop. 1,769,564; July 1.
- Ventilating means for motor vehicles. D. C. Dozier. 1,751,910; Mar. 25.
- Ventilating means for vehicle bodies. W. D. Crowell. 1,770,747; July 15.
- Ventilating means, Propeller-. F. Charavay. Re17,709; June 24.
- Ventilating means, Searchlight-. F. R. House. 1,767,526; June 24.
- Ventilating port. W. A. A. H. Helwig. 1,752,794; Apr. 1.
- Ventilating strip for hats. M. Popper. 1,748,792; Feb. 25.
- Ventilating system. E. S. Buck and L. B. Mettler. 1,750,873; Mar. 18.
- Ventilating system. J. Burke. 1,750,458; Mar. 11.
- Ventilating system. W. L. Fleisher. 1,751,806; Mar. 25.
- Ventilating system. W. Noble and D. M. Pierson. 1,778,036; Oct. 14.
- Ventilating system. J. H. Sheard. 1,768,794; July 1.
- Ventilating system. H. T. Walton. 1,747,271; Feb. 18.
- Ventilating system. O. P. and O. E. Wiltermood. 1,764,816; June 17.
- Ventilating system and apparatus. C. A. Marsh, J. L. Strahan, and A. H. Neller. 1,778,560; Oct. 14.
- Ventilating system, Car. E. M. Wilcox and McC. C. McPherson. 1,772,569; Aug. 12.
- Ventilating system, Crank-case-. D. E. Anderson. 1,761,959; June 3.
- Ventilating system, Crankcase. E. S. MacPherson. 1,777,819; Oct. 7.
- Ventilating system, Vehicle. H. S. Baldwin. 1,746,181; Feb. 4.
- Ventilating unit. H. W. Harris. 1,769,922; July 8.
- Ventilation, Armature. P. Bollinger. 1,752,364; Apr. 1.
- Ventilation-controlling means for chicken brooders. R. W. Maneval. 1,759,515; May 20.
- Ventilation, Crank-case. H. G. Kamrath. 1,744,005; Jan. 14.
- Ventilation, Crank-case. C. L. McCuen. 1,761,929; June 3.
- Ventilation of dynamo-electric machines. E. H. Freiburg-house. 1,761,783; June 3.
- Ventilator: See—
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| Automobile ventilator. | Hat ventilator. |
| Berth-curtain ventilator. | Moisture-eliminating ventilator. |
| Building ventilator. | Oven ventilator. |
| Car ventilator. | Unit ventilator. |
| Chimney ventilator. | Vault ventilator. |
| Cowl ventilator. | Wall ventilator. |
| Crank-case ventilator. | Window ventilator. |
| Exhaust ventilator. | |
- Ventilator. J. S. Anderson. 1,774,122; Aug. 26.
- Ventilator. G. E. Black. 1,785,540; Dec. 16.
- Ventilator. P. J. Bode. 1,778,546; Oct. 14.
- Ventilator. J. A. Bombard and R. J. Rogers. 1,746,099; Feb. 4.
- Ventilator. R. L. Bourke. 1,742,185; Jan. 7.
- Ventilator. S. E. Cibusas. 1,783,406; Dec. 2.
- Ventilator. W. M. Genett. 1,778,591; Oct. 14.
- Ventilator. M. T. Hooper. 1,742,541; Jan. 7.
- Ventilator. H. C. Hueglin. 1,784,234; Dec. 9.
- Ventilator. J. L. Jensen. 1,785,263; Dec. 16.
- Ventilator. F. R. Kelley. 1,744,476; Jan. 21.
- Ventilator. A. R. Laubenstein. 1,750,413; Mar. 11.
- Ventilator. A. Maehlen. 1,780,491; Nov. 4.
- Ventilator. V. A. Mares. 1,772,287; Aug. 5.
- Ventilator. J. H. McDermont. 1,770,178; July 8.
- Ventilator. J. K. Mohr. 1,771,731; July 29.
- Ventilator. F. R. Stark. 1,742,290; Jan. 7.
- Ventilator. J. Stroble. 1,781,608; Nov. 11.
- Ventilator. H. R. Stuart. 1,751,768; Mar. 25.
- Ventilator. E. A. Thompson. 1,750,789; Mar. 18.
- Ventilator. H. L. Van Zile. 1,761,061; June 3.
- Ventilator. T. A. Weinheimer and E. Hoffman. 1,757,886; May 6.
- Ventilator and light fixture, Combination. W. W. Kellogg. 1,744,270; Jan. 21.
- Ventilator and screen, Window. H. Y. Hodge. 1,756,088; Apr. 29.
- Ventilator and screen, Window. E. S. Van de Mark. 1,764,913; June 17.
- Ventilator and shade for vehicles, Combination. J. P. Schmidt. 1,759,421; May 20.
- Ventilator and sun shield, Combined. R. E. Swann. 1,754,339; Apr. 15.
- Ventilator apparatus, Aspirator. G. Liagre. 1,770,986; July 22.
- Ventilator construction. B. Landau. 1,784,841; Dec. 16.
- Ventilator construction for window frames. R. T. Axe. 1,780,665; Nov. 4.
- Ventilator for automobile windows. J. H. Parsons. 1,745,186; Jan. 28.
- Ventilator for automobiles. F. W. Danat. 1,785,891; Dec. 23.
- Ventilator for vehicles. C. S. Warnock. Des. 82,645; Nov. 25.
- Ventilator for windows. J. J. Ritter. 1,753,477; Apr. 8.
- Ventilator system. M. Happonne. 1,786,064; Dec. 23.
- Ventilator thimble. J. V. Petrelli. 1,764,343; June 17.
- Ventilators, Operating mechanism for window. A. J. Brennan. 1,747,420; Feb. 18.
- Venting device. R. J. Anschicks. 1,757,285; May 6.
- Vermin and insect pests, Combating and exterminating of. K. Dobmaier. 1,758,936; May 20.
- Vermin exterminator. R. Loibl. 1,774,387; Aug. 26.
- Vermin repellent. C. L. Armstrong. 1,769,409; July 1.
- Vernier adjusting device. S. Tierney, jr. 1,772,372; Aug. 5.
- Vertebrae adjuster. W. R. Hamilton. 1,746,080; Feb. 4.
- Vessel. H. C. Douglas. 1,757,174; May 6.
- Vessel. A. M. McDougall. 1,773,369; Aug. 19.
- Vessel and auxiliary boat therefor. E. J. Shoemaker. 1,784,549; Dec. 9.
- Vessel-capping machine. C. L. Turner. 1,785,235; Dec. 16.
- Vessel clamp. E. E. Drumm. 1,751,079; Mar. 18.

- Vessel for submerged baking of pies. J. N. Tarpley. 1,759,921; May 27.
- Vessel, Freight. A. M. McDougall. 1,772,612; Aug. 12.
- Vessel, Freight. A. M. McDougall. 1,773,368; Aug. 19.
- Vessel, High-speed. R. Deetjen. 1,782,868; Nov. 25.
- Vessel, Hydroplane. S. Lake. 1,750,959; Mar. 18.
- Vessel-locating device, Sunken. J. P. Carell. 1,772,205; Aug. 5.
- Vessel, Steam-heated. L. Grill. 1,777,969; Oct. 7.
- Vessel, Submersible. C. Mayers. 1,771,093; July 22.
- Vessel, Submersible life saving and salvaging. S. Lav-
erack. 1,777,209; Sept. 30.
- Vessel, Transporting. W. Schmidt. 1,763,823; June 17.
- Vessels, Apparatus or agitating the contents of storage.
W. H. Brooks. 1,780,333; Nov. 4.
- Vessels, Attachment for cooking. M. Blenz. 1,777,743;
Oct. 7.
- Vessels, Device for raising sunken. J. J. Fentress.
1,748,873; Feb. 25.
- Vessels, Manufacturing electrically-welded. H. Stresau.
1,784,080; Dec. 9.
- Vessels, Signal device for sunken. J. J. Fentress.
1,748,874; Feb. 25.
- Vibrating apparatus. J. A. Traylor. 1,779,454; Oct. 28.
- Vibrating machine. A. E. R. Blomquist. 1,760,578; May
27.
- Vibrating process. A. R. Lukens. 1,771,643; July 29.
- Vibrating screen. G. A. Overstrom. 1,773,405; Aug. 19.
- Vibrating screen. J. Winston. 1,779,202; Oct. 21.
- Vibration conductor for the deaf. E. Guerin. 1,784,350;
Dec. 9.
- Vibration dampener. A. P. Brush. 1,756,178; Apr. 29.
- Vibration dampener. A. P. Brush. 1,776,144; Sept. 16.
- Vibration dampener. E. E. Wemp. 1,750,827; Mar. 18.
- Vibration-dampening device. E. O. Ackerman. 1,765,477;
June 24.
- Vibration eliminator. C. S. Ricker. 1,758,467; May 13.
- Vibration eliminator, Torsional. G. S. Butenkoff.
1,758,274; May 13.
- Vibration regulator. W. Bock and K. Rath. 1,767,236;
June 24.
- Vibration-translating device such for example as loud-
speakers, Electromechanical. M. Trouton. 1,786,584;
Dec. 30.
- Vibrations and reproducing same, Recording. S. N. Baruch.
1,774,821; Sept. 2.
- Vibrations in diaphragms and the like, Suppressing sec-
ondary. N. Crane. 1,757,451; May 6.
- Vibrations into electrical fluctuations, Apparatus for
transforming mechanical. F. Rieber. 1,776,009; Sept.
16.
- Vibrator. W. Broad. 1,744,611; Jan. 21.
- Vibrator. S. E. Fouts. 1,751,626; Mar. 25.
- Vibrator. G. B. Pickop. 1,762,416; June 10.
- Vibrator. G. B. Pickop. 1,774,612; Sept. 2.
- Vibrator and using the same. C. A. Priest. 1,787,211;
Dec. 30.
- Vibrator, Fertilizer-screen. A. J. Sackett. 1,756,835;
Apr. 29.
- Vibrator for molds. J. E. Miller. 1,774,896; Sept. 2.
- Vibrator housing. G. B. Pickop. 1,747,485; Feb. 18.
- Vibratory apparatus. C. Grosse. 1,780,876; Nov. 4.
- Vibratory device, Electrically-operated. M. Trouton.
1,786,583; Dec. 30.
- Vibratory element and producing the same. H. F. Fruth.
1,765,413; June 24.
- Vibratory screen. F. H. Haselow, and C. Redig. 1,783,617;
Dec. 2.
- Vibratory system. A. L. Thuras. 1,781,351; Nov. 11.
- Vibratory system and method. G. W. Pierce. 1,750,124;
Mar. 11.
- Vibratory systems, Assembling. F. Preator and D. R.
Seely. 1,757,385; May 6.
- Vic. trihalogenbenzenes, Manufacturing. R. Herz and
E. Albrecht. 1,766,747; June 24.
- Viewing objects above and ahead of automobiles, Device
for. E. L. Greensfelder. 1,748,837; Feb. 25.
- Views and for the reproduction of cinematographic films
in colors, Apparatus for taking. P. Fournier. 1,746,584;
Feb. 11.
- Vignetter, Inside. W. Zurovsky. 1,743,841; Jan. 14.
- Vine lifter. S. Honeywell. 1,754,168; Apr. 8.
- Vine-lifting attachment. O. J. McNeas. 1,764,572; June
17.
- Vinyl compounds, Polymerizing. C. O. Young and S. D.
Douglas. 1,775,882; Sept. 16.
- Vinyl esters of organic acids, Preparing. H. B. Dykstra
and C. Sly. 1,786,647; Dec. 30.
- Violin. A. Brann. 1,777,070; Sept. 30.
- Violin. H. P. Brown and P. F. Truscinski. 1,786,891;
Dec. 30.
- Violin. J. Kalnitz. Des. 82,093; Sept. 23.
- Violin. J. M. Kaylor. 1,777,618; Oct. 7.
- Violin. H. M. Lentz. 1,754,686; Apr. 15.
- Violin. Paczkowski. 1,769,304; July 1.
- Violin bow. C. C. Augustine. 1,784,038; Dec. 9.
- Violin bow. J. B. Reed. 1,766,688; June 24.
- Violin-bow attachment. J. W. Knopp. 1,763,660; June 17.
- Violin-bow hair-adjusting device. F. Kraake. 1,761,350;
June 3.
- Violin practice finger board. W. O. Miessner. 1,751,048;
Mar. 18.
- Violins, Attachment for. M. F. Connell. 1,786,478;
Dec. 30.
- Viscometer. A. G. M. Michell. 1,786,574; Dec. 30.
- Viscose and manufacturing the same. S. Wein. 1,779,521;
Oct. 28.
- Viscose complex. W. Mendel. 1,773,923; Aug. 26.
- Viscose products, Making high-grade. A. Jäger. 1,774,712;
Sept. 2.
- Viscosimeter. J. M. Bell. 1,772,028; Aug. 5.
- Viscosimeter. E. M. Symmes. 1,780,952; Nov. 11.
- Viscosimeter. F. P. Zimmerli. Re17,841; Oct. 21.
- Viscosimeter and display device. W. D. Smith. 1,758,677;
May 13.
- Viscosity regulator. F. A. Quiroz and J. P. Leask.
1,743,620; Jan. 14.
- Viscous material, Method of and apparatus for filtering.
H. Prentice. 1,769,388; July 1.
- Viscous mixtures, Apparatus for preparing. W. L. Smith.
1,782,370; Nov. 18.
- Vise. G. Agobian. 1,763,634; June 10.
- Vise. F. J. Carnelli. 1,760,192; May 27.
- Vise. C. W. Hampton. 1,746,153; Feb. 4.
- Vise. H. H. Hancock. 1,751,329; Mar. 18.
- Vise. M. E. Johnson. 1,772,899; Aug. 12.
- Vise. T. M. Lilleberg. 1,782,929-30; Nov. 25.
- Vise. A. Lináres. 1,748,886; Feb. 25.
- Vise. W. P. Schissler. 1,757,548; May 6.
- Vise. T. R. Woods. 1,783,594; Dec. 2.
- Vise, Belt-lacing. H. Paliferro. 1,775,046; Sept. 2.
- Vise, Bench. C. Bodmer. 1,765,321; June 17.
- Vise, Bench. G. O. Danielson. 1,764,507; June 17.
- Vise for work benches, Adjustable. H. B. Droutz.
1,777,789; Oct. 7.
- Vise, Meat. J. M. Black. 1,772,658; Aug. 12.
- Vise-mounting structure. W. W. Vosper. 1,770,499;
July 15.
- Vise, Piston-pin. J. W. Reutter. 1,761,366; June 3.
- Vise, Quick-acting. A. E. Greene. 1,778,492; Oct. 14.
- Vise, Saw. J. Blumer. 1,785,613; Dec. 16.
- Vise, Screw-actuated. W. Gordon. 1,753,924; Apr. 8.
- Vise stand. M. Boyd. 1,758,140; May 13.
- Vise, Workholding. C. G. H. Swinden. 1,769,398; July 1.
- Visible flow indicator. B. Geyer and R. J. Jauch.
1,783,542; Dec. 2.
- Vision apparatus, Stage. H. M. Dawley and F. C. Reilly.
1,775,237; Sept. 9.
- Vision attachment. F. Behrendt. 1,754,540; Apr. 15.
- Vision device, Clear-. T. M. Ehler. 1,773,424; Aug. 19.
- Vision device, Clear-. A. Hupp. 1,779,042; Oct. 21.
- Vision method and device for motor vehicles, Clear-. J. D.
Morgan. 1,770,362; July 8.
- Visor. M. E. and C. E. McClay. 1,763,899; June 17.
- Visor attachment for industrial eye shields. F. M. Bowers.
1,774,587; Sept. 2.
- Visor, Automobile. L. Jones. 1,769,515; July 1.
- Visor, Decorated. S. A. Kornsweet. 1,782,206; Nov. 18.
- Visor for closed cars. G. A. Pritchard. 1,745,866; Feb. 4.
- Visor for motor vehicles. J. E. Tirkak. 1,745,197;
Jan. 28.
- Vitamin A from fish oils and the like, Extracting. K.
Takahashi. 1,786,095; Dec. 23.
- Vitamin food and producing same. H. Placak. 1,764,085;
June 17.
- Vitamine compound. R. K. Prince. 1,753,531; Apr. 8.
- Vitamine product and obtaining the same. J. and J.
Takamine, jr., and N. Fujita. 1,756,574; Apr. 29.
- Vitamines, Synthesizing. A. J. Pacini. 1,762,105;
June 3.
- Voice builder. R. O. Bonell. 1,759,972; May 27.
- Voice-producing apparatus for dolls and other toy figures.
V. Steiner. 1,776,091; Sept. 16.
- Voice-recording apparatus. L. Stone, jr. 1,760,021;
May 27.
- Voice screen. W. F. Smith, jr., and T. H. Crabtree.
1,756,705; Apr. 29.
- Volatile matter in combustible material, Determining.
G. H. Halvorsen. 1,743,035; Jan. 7.
- Voltage and current regulator for alternating-current cir-
cuits. A. Soulier. 1,772,327; Aug. 5.
- Voltage-control system. K. Kurda. 1,764,319; June 17.
- Voltage-control system. R. Puller. 1,764,414; June 17.
- Voltage controlling and regulating device. G. Merle, sr.
1,784,542; Dec. 2.
- Voltage cut-out device. G. W. Knight. 1,758,749; May 13.
- Voltage generator, Constant. F. B. Monar. 1,783,745;
Dec. 2.
- Voltage indicating and translating device. M. E. Strieby
and C. H. Fetter. 1,744,840; Jan. 28.
- Voltage-limiting device. H. M. Bascom. 1,772,508;
Aug. 12.
- Voltage of generators, Device for regulating the terminal.
N. A. J. Voorhoeve and J. C. de Haas. 1,778,614; Oct.
14.
- Voltage protective means, Low-. E. W. Seeger. 1,775,658;
Sept. 16.
- Voltage recorder, Surge-. C. M. Foust. 1,765,227; June
17.
- Voltage-regulating means, Automatic. F. W. Gay.
1,755,060; Apr. 15.
- Voltage-regulation winding for electric generators. E. A.
Hobart. 1,760,713; Mar. 18.
- Voltage regulator. G. B. Crouse and J. L. Jatlow.
1,767,052; June 24.
- Voltage regulator, Electrical. C. Wolf. 1,754,732; Apr.
15.
- Voltage regulator for internal-combustion-engine-driven
electric generators. H. D. Gumpfer. 1,786,063; Dec.
23.

- Voltage release mechanism for switches, Low-. C. H. Bissell. 1,756,479; Apr. 29.
- Voltage structure, High-. H. G. MacDonald, J. E. Mateer, and G. A. Burr. 1,755,068; Apr. 15.
- Voltage structure, High-. J. E. Mateer. 1,754,833; Apr. 15.
- Voltage transformer, Variable. J. F. Peters and A. J. Maslin. 1,783,545; Dec. 2.
- Voltage transformer, Variable-. E. J. Zelt. 1,752,873; Apr. 1.
- Volts into alternating-current circuits, Arrangement for introducing. M. Liwischitz. 1,778,832; Oct. 21.
- Voltmeter, High-voltage. F. D. Fielder. 1,764,294; June 17.
- Voltmeter, High-voltage. W. R. Smythe. 1,744,990; Jan. 28.
- Volume control. J. M. Miller. 1,779,777; Oct. 28.
- Volume control. D. O. Whelan. 1,747,961; Feb. 18.
- Volume-control system. J. C. Burkholder, jr. 1,762,759; June 10.
- Volume-control system. R. C. Mathes. 1,762,727; June 10.
- Volume-control system, Automatic. M. E. Strieby. 1,776,821-2; Sept. 30.
- Volume recorder and register. G. C. Leppla. 1,770,079; July 8.
- Volume-flow regulator. G. A. Brooke, jr. 1,758,926; May 20.
- Volume regulator, Constant. L. R. Huff. 1,784,009; Dec. 9.
- Volumes of granular materials passing through the same, Apparatus for automatically counting the. A. Letreux. 1,752,602; Apr. 1.
- Volumetric displacement apparatus suitable for controlling the supply of gas for chlorinating water or similar purposes. B. Bramwell. 1,746,186; Feb. 4.
- Voting machine. A. N. Gustavson. 1,747,114; Feb. 11.
- Voting system and apparatus therefor, Parliamentary. M. F. Thompson. 1,773,891; Aug. 26.
- Vulcanizable bands, Apparatus for curing. D. S. Harrington. 1,746,699; Feb. 11.
- Vulcanization accelerator. H. A. Morton. 1,784,703; Dec. 9.
- Vulcanization Apparatus and method of. H. A. Denmire. 1,750,613; Mar. 11.
- Vulcanization of rubber. D. H. Powers. 1,763,325; June 10.
- Vulcanization of rubber. W. Scott. 1,747,188; Feb. 18.
- Vulcanizer. A. J. Fleiter. 1,762,119; June 3.
- Vulcanizer. L. O. Grange. 1,757,624; May 6.
- Vulcanizer. I. J. Remark. 1,745,642; Feb. 4.
- Vulcanizer. A. W. Scharpf. 1,754,575; Apr. 15.
- Vulcanizer. W. R. Wood. 1,744,941; Jan. 28.
- Vulcanizer, Electric. O. C. Dennis. 1,747,699; Feb. 18.
- Vulcanizer for automobile tires. W. Schwalge. 1,761,687; June 3.
- Vulcanizer, Full-circle retread. R. W. Brown. 1,745,145; Jan. 28.
- Vulcanizer, Horizontal. A. J. Fleiter, H. C. Bostwick, and T. A. Miller. 1,750,464; Mar. 11.
- Vulcanizers, Fluid-conducting tree for. W. E. Humphrey and T. G. Graham. 1,768,406; June 24.
- Vulcanizing apparatus. W. J. Jarratt and F. E. Hartman. 1,757,635; May 6.
- Vulcanizing apparatus. J. L. Kelly. 1,767,682; June 24.
- Vulcanizing apparatus. R. Mayne. 1,751,869; Mar. 25.
- Vulcanizing apparatus. W. F. Wirgman, jr., and M. E. Tedrow. 1,779,385; Oct. 21.
- Vulcanizing appliance. J. D. Voss. 1,783,894; Dec. 2.
- Vulcanizing caoutchouc and the product derived therefrom. L. B. Sebrill. 1,763,619; June 10.
- Vulcanizing composition, Forming a rapidly-. T. Satow. 1,745,768; Feb. 4.
- Vulcanizing inner tubes for pneumatic tires, Method of and apparatus for. I. J. Remark. 1,746,200; Feb. 4.
- Vulcanizing machine. P. De Mattia. 1,755,981; Apr. 22.
- Vulcanizing mold. P. De Mattia. 1,746,107; Feb. 4.
- Vulcanizing mold, Adjustable tire-. F. E. Snyder. 1,772,644; Aug. 12.
- Vulcanizing mold, Tire-. H. A. Denmire. 1,786,291; Dec. 23.
- Vulcanizing press. B. L. Bronson. 1,784,780; Dec. 9.
- Vulcanizing press. T. Midgley. 1,752,569; Apr. 1.
- Vulcanizing press. F. H. Smith. 1,744,339; Jan. 21.
- Vulva clamp. L. A. Treat. 1,756,670; Apr. 29.
- Wading tank. J. H. Phillips. 1,753,427; Apr. 8.
- Wafer cones, cups, cornets, and the like, Apparatus for making. J. C. Paterson and G. R. Baker. 1,744,497; Jan. 21.
- Wafer machine. J. B. Crescio. 1,773,031; Aug. 12.
- Waffle iron. F. J. Cross and H. H. Schott. Des. 80,879; Apr. 8.
- Waffle iron. A. D. Olds. Des. 81,065-6; Apr. 29.
- Waffle iron. W. A. Rankin. 1,757,334; May 6.
- Waffle iron. H. H. Schott. 1,754,486; Apr. 15.
- Waffle iron. H. M. A. Strauss. 1,764,908; June 17.
- Waffle iron, Duplex electric. E. S. Preston. 1,754,800; Apr. 15.
- Waffle iron, Electric. L. C. Strite. 1,769,045; July 1.
- Waffle iron, Electrically-heated. G. F. Wells. 1,749,173; Mar. 4.
- Waffle iron or similar article. E. J. Ajax. Des. 82,359; Oct. 28.
- Waffle irons, Bater gauge for. A. O. Hurxthal. 1,747,832; Feb. 18.
- Waffle machine, Automatic. C. O. Christianson. 1,749,414; Mar. 4.
- Wagon. M. J. Adams. 1,785,717; Dec. 16.
- Wagon. P. G. Cary. 1,757,899; May 6.
- Wagon. J. T. Norman. 1,743,381; Jan. 14.
- Wagon. J. T. Norman. 1,745,111; Jan. 28.
- Wagon. J. T. Norman. 1,771,813; July 29.
- Wagon box. C. D. Card. 1,765,204; June 17.
- Wagon box and producing same. D. W. Voorhees, jr. 1,770,223; July 8.
- Wagon, Child's. J. Werlich. 1,782,330; Nov. 18.
- Wagon, Coaster. A. E. Rainey. 1,742,518; Jan. 7.
- Wagon, Commercial. R. R. Sutherland. Des. 82,065; Sept. 16.
- Wagon, Hay loading. F. L. Gray. 1,758,943; May 20.
- Wagon seat. E. Jevne. 1,748,652; Feb. 25.
- Wagons, Discharging means for open railway. G. Willimek and W. Skarbek-Kozietulski. 1,763,454; June 10.
- Waistband. A. Freyberg and J. Marcus. 1,755,213; Apr. 22.
- Waistband. J. Marcus. 1,770,002; July 8.
- Waist garment, Sanitary. A. Fridolph. 1,749,333; Mar. 4.
- Walker, Child's. J. A. Eberle. 1,745,569; Feb. 4.
- Wall. O. L. Gent. 1,782,034; Nov. 18.
- Wall. J. E. Tonnelier. 1,763,451; Apr. 8.
- Wall and ceiling construction. G. R. Walper. 1,754,214; Apr. 8.
- Wall and partition construction for insulating purposes. R. Sadwith. 1,782,794; Nov. 25.
- Wall board. S. J. McDonald. 1,779,045; Oct. 21.
- Wall board. C. E. Bahr. 1,772,686; Aug. 12.
- Wall board. C. O. Walper. 1,747,339; Feb. 18.
- Wall board and producing the same, Fireproof. F. S. Vivas. 1,754,843; Apr. 15.
- Wall board and the like, Handling wet. R. M. Greenleaf. 1,766,251; June 24.
- Wall board, Fibrous. H. E. Brookby. 1,754,413; Apr. 15.
- Wall board, Hanging. H. R. Shanks. 1,763,263; June 10.
- Wall board, Laminated. P. W. Codwise. 1,780,743; Nov. 4.
- Wall board, Making cellular. L. V. Robinson and G. M. Thomson. 1,776,325; Sept. 23.
- Wall-board packages. G. E. Griffith. 1,770,516; July 15.
- Wall board, Suspending. H. R. Shanks. 1,763,264; June 10.
- Wall bracket. J. Blackburn and H. J. Peele. 1,755,201; Apr. 22.
- Wall bracket. B. L. Watkin. Des. 82,354; Oct. 21.
- Wall bracket for lighting fixtures. H. A. Framburg. Des. 81,575; July 15.
- Wall bracket for lighting fixtures. A. Lazerson. Des. 80,735; Mar. 18.
- Wall bracket, Lighting-fixture. W. R. Greer, jr. Des. 80,369; Jan. 21.
- Wall bracket, Lighting-fixture. W. R. Greer, jr. Des. 80,373; Jan. 21.
- Wall, Building. L. A. Banta. 1,765,255; June 17.
- Wall-case construction. M. J. Straayer. 1,754,245; Apr. 15.
- Wall construction. H. G. Alford. 1,778,881; Oct. 21.
- Wall construction. S. Brozek. 1,753,820; Apr. 8.
- Wall construction. J. W. Jenkins. 1,770,781; July 15.
- Wall construction. F. E. Leuzinger. 1,771,796; July 29.
- Wall construction. O. Nilsson. 1,751,050; Mar. 18.
- Wall construction. R. Phillips. 1,762,099; June 3.
- Wall construction and hollow blocks therefor. G. B. Timberlake. 1,772,057; Aug. 5.
- Wall construction and structural unit therefor. M. Jaeger, jr. 1,752,342; Apr. 1.
- Wall construction, Brick-. W. C. Heckerth. 1,752,558; Apr. 1.
- Wall construction, Fireproof-. R. A. and S. R. Summers. 1,775,216; Sept. 9.
- Wall construction for bake ovens and the like. E. O. Engels. 1,752,159; Mar. 25.
- Wall construction, Monolithic hollow concrete. F. X. A. Kreil. 1,776,560; Sept. 23.
- Wall construction, Solid-. J. S. Raynor. 1,764,748; June 17.
- Wall Construction, Water-. C. S. Reed. 1,775,321; Sept. 9.
- Wall containers, Making multiple. W. E. Benson. 1,756,243; Apr. 29.
- Wall covering and support therefor. W. M. Connery. 1,782,774; Nov. 25.
- Wall fixture, Ornamental. W. D. Shoemaker. 1,758,130; May 13.
- Wall for buildings and the like, Iron frame. A. Frank. 1,787,367; Dec. 30.
- Wall for platform station trucks, Attachable. W. A. McCullough. 1,786,077; Dec. 23.
- Wall for reaction towers. F. J. Bowman. 1,785,178; Dec. 16.
- Wall for steam boilers, Combustion-chamber. N. Forssblad. 1,774,136; Aug. 26.
- Wall for switch boxes and the like, Universal end. D. T. Wadsworth. 1,771,005; July 22.
- Wall form. E. T. Harrold. 1,743,136; Jan. 14.
- Wall form. C. M. Showers. 1,780,366; Nov. 4.
- Wall, Furnace. H. J. Kerr. 1,761,567; June 3.
- Wall insulation. E. Mowery. 1,761,838; June 3.
- Wall joints, Finishing. R. E. Haire and G. M. Thomson. 1,751,327; Mar. 18.

- Wall, material, and making same, Building. D. J. Calde-razzo. 1,743,527; Jan. 14.
- Wall mold. N. Graziano. 1,779,908; Oct. 28.
- Wall mounting for a hand telephone. D. H. King and H. T. Martin. Des. 82,505; Nov. 11.
- Wall-moving device, Building-. G. R. Kress. 1,742,475; Jan. 7.
- Wall opening, Framed. I. A. Baum. 1,774,250; Aug. 26.
- Wall or ceiling construction. G. R. Walper. 1,754,215; Apr. 8.
- Wall panel. E. T. Gray. Des. 80,689-91; Mar. 11.
- Wall panel. E. T. Gray. Des. 80,789; Mar. 25.
- Wall panels to automobile body frames, Fastening interior. H. J. Woodall. 1,753,397; Apr. 8.
- Wall paper and the like, Process and machine for manu-facturing. A. Martinek. 1,742,363; Jan. 7.
- Wall-paper-hanging apparatus. C. C. McBurney. 1,745,802; Feb. 4.
- Wall-paper manufacture. J. J. Janeway. 1,764,408; June 17.
- Wall-papering implement. C. D. Alexander. 1,754,219; Apr. 15.
- Wall-plastering machine. A. A. Guerini. 1,757,627; May 6.
- Wall plate for an electric-light fixture. B. Hasenstab. Des. 80,376; Jan. 21.
- Wall plate for an electric-light fixture. B. Hasenstab. Des. 81,791; Aug. 12.
- Wall plate for electric buttons. E. M. Squires. Des. 80,335; Jan. 14.
- Wall plate, Metallic. G. G. Gilpin. 1,773,397; Aug. 19.
- Wall-register construction. F. Z. Ahl. 1,756,143; Apr. 29.
- Wall, Retaining. A. Munster. 1,762,343; June 10.
- Wall, Retaining. J. H. Thornley. 1,778,574; Oct. 14.
- Wall, Retaining. C. Weber. 1,747,038; Feb. 11.
- Wall seal, Side-. F. B. Allen. 1,757,698; May 6.
- Wall section, Building-. W. J. Pedersen. 1,760,281; May 27.
- Wall, Sectional furnace. D. S. Jacobus. 1,769,924; July 8.
- Wall structure. W. Anderson. 1,763,916; June 17.
- Wall structure. C. T. Carlson. 1,773,516; Aug. 19.
- Wall structure. W. H. Smith. 1,779,755; Oct. 28.
- Wall structure and attachment. H. G. Geoffray. 1,787,038; Dec. 30.
- Wall structure, Decorative. C. E. Maier. 1,752,679; Apr. 1.
- Wall structure for bake ovens and the like. E. O. Engels. 1,752,157; Mar. 25.
- Wall structure for furnaces, Replaceable. D. E. Sullivan. 1,763,606; June 10.
- Wall structure, Making compound. L. L. Knox. 1,746,596; Feb. 11.
- Wall structure, Metallic. R. W. Disbro. 1,778,889; Oct. 21.
- Wall structure, Waterproof building-. E. H. Klein. 1,769,844; July 1.
- Wall surface, Plaster. C. A. Upson. 1,772,648; Aug. 12.
- Wall tie. G. B. Bosco. 1,756,174; Apr. 29.
- Wall tuyère, Side-. J. Sperling. 1,779,861; Oct. 28.
- Wall unit, Store. S. W. Guyes. Des. 82,025; Sept. 16.
- Wall ventilator, Building-. W. H. Baltes. 1,761,250; June 3.
- Wall, Water-cooled. K. Prantner. 1,787,019; Dec. 30.
- Wallett. J. H. Schauer. 1,787,054; Dec. 30.
- Wallet, Frame. L. Schaefer. 1,766,953; June 24.
- Wallpaper or similar material. J. G. Prager. Des. 82,902-3; Dec. 23.
- Wall-protecting device, Vault-. E. C. Kinnear. 1,787,007; Dec. 30.
- Walls, Apparatus for cleaning. G. J. Forcier. 1,752,664; Apr. 1.
- Walls, Decorating. R. I. Vincent. 1,742,332; Jan. 7.
- Walls, Fastening elements to. E. G. K. Anderson. 1,758,387; May 13.
- Wardrobe. J. T. Fairhurst. Des. 17,721; July 8.
- Wardrobe chair. R. B. Simpson. Des. 82,000; Sept. 9.
- Wardrobe chair. R. B. Simpson. 1,767,708; June 24.
- Wardrobe for halls. K. W. Bülck. 1,745,402; Feb. 4.
- Wardrobe or the like structure. R. T. McKnew. 1,758,291; May 13.
- Ware-conveying head. J. E. Schroder. 1,766,549; June 24.
- Ware-transferring apparatus. E. H. Lorenz. 1,744,128; Jan. 21.
- Warmer, Thumb and finger. C. Schaaf. 1,751,365; Mar. 18.
- Warning device. H. M. Jacobs. 1,780,649; Nov. 4.
- Warning signal. R. M. Critchfield. 1,749,325; Mar. 4.
- Warning signal. L. McSpaden. 1,775,731; Sept. 16.
- Warp beam. J. Wilkinson. 1,758,343; May 13.
- Warp-beam lock. C. K. Shaw. 1,781,736; Nov. 18.
- Warp-compressing machines, Stop motion for. A. L. Rem-ington. 1,777,503; Oct. 7.
- Warp knitting, Fashioned. P. Lévy. 1,783,847; Dec. 2.
- Warp stop mechanism. H. A. Davis. 1,757,940; May 6.
- Warp stop motion. J. G. Menzer and H. K. Khoury. 1,764,879; June 17.
- Warp stop motion. J. Regan. 1,756,607; Apr. 29.
- Warp stop motion. J. Regan. 1,777,381; Oct. 7.
- Warp stop motion, Mechanical. W. E. Wakefield. 1,786,686; Dec. 30.
- Warp threads from the lease in warp-thread tying and like weaving machinery, Removing. U. Bischof. 1,778,480; Oct. 14.
- Warper. C. D. Brown. 1,757,409; May 6.
- Warper. H. A. Davis. 1,780,891; Nov. 4.
- Warper. C. H. Draper and E. H. Trevett. 1,780,892; Nov. 4.
- Warping frame. W. Reiners and G. Kahlisch. 1,787,323; Dec. 30.
- Warping machine. G. Sipp. 1,756,217; Apr. 29.
- Warping-machine indicator. G. W. Bogdanffy. 1,759,090; May 20.
- Washbasin and sink for automobiles. W. H. Elsey. 1,779,037; Oct. 21.
- Washbasin appliance. C. Spital. 1,751,294; Mar. 18.
- Washbasins, Top plate for. A. C. Dobrick. Des. 80,830; Apr. 1.
- Washboard. G. Sherwood. 1,771,725; July 29.
- Washboard. E. C. Klaiber. 1,752,745; Apr. 1.
- Washboard. E. E. Lewis, N. D. Zito, and J. J. Fertitta. 1,765,083; June 17.
- Washboard-tensioning device. J. F. Madden and E. E. Overholt. 1,756,649; Apr. 29.
- Wash-hanging apparatus. J. Frohmann. 1,766,624; June 24.
- Wash tub. J. S. Mermigis. 1,763,803; June 17.
- Wash tub. F. M. Vogan. 1,775,708; Sept. 16.
- Wash tub, Portable knockdown leg-supported. H. G. Woeh-ler. 1,770,664; July 15.
- Washer: See—
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| Bottle washer. | Nut-locking washer. |
| Clothes washer. | Oil water washer. |
| Cup washer. | Oscillating washer. |
| Dish washer. | Photographic-print washer. |
| Gas washer. | Split segmental washer. |
| Golf-ball washer. | Vegetable washer. |
| Lock washer. | |
- Washer. P. L. Hauger. 1,777,614; Oct. 7.
- Washer. W. C. Johnson. 1,771,638; July 29.
- Washer. J. C. Pewther. 1,780,839; Nov. 4.
- Washer. J. Schaefer. 1,759,282; May 20.
- Washer. J. A. Sexauer. 1,781,129; Nov. 11.
- Washer and blancher, Spinach. C. J. Lane. 1,772,669; Aug. 12.
- Washer-loading device. S. J. Finn. 1,783,232-3; Dec. 2.
- Washers, Apparatus for making lock. G. K. Garrett. 1,745,160; Jan. 28.
- Washing and drying machine. G. W. Dunham. 1,751,982; Mar. 25.
- Washing and drying machine. G. D. Hauser. 1,764,302; June 17.
- Washing and drying machine. N. Lombard. 1,748,296; Feb. 25.
- Washing and drying machine. J. H. Malloy. 1,777,008; Sept. 30.
- Washing and finishing machine, Rotary rug. E. J. Car-roll and G. W. Johnson. 1,754,306; Apr. 15.
- Washing apparatus. H. Budd. 1,777,163; Sept. 30.
- Washing apparatus. R. Hoe. 1,761,564; June 3.
- Washing apparatus, Air and gas. E. M. Bassler. 1,766,588; June 24.
- Washing apparatus, Automobile. D. D. Heimburger. 1,763,046; June 10.
- Washing apparatus, Coal-. M. Hibbard. 1,748,569; Feb. 25.
- Washing apparatus, Coal-. J. A. McQuail. 1,749,350; Mar. 4.
- Washing attachment for hose. H. T. Floyd. 1,778,552; Oct. 14.
- Washing, bleaching, and dyeing artificial silk in hanks or spinning cakes, Apparatus. J. von den Driesch. 1,783,103; Nov. 25.
- Washing device. F. A. Hahn. 1,780,155; Nov. 4.
- Washing device. R. C. Larson. 1,742,360; Jan. 7.
- Washing device. S. R. Wagel. 1,784,401; Dec. 9.
- Washing device for separator disks. H. Kehn. 1,767,370; June 24.
- Washing drum for photographic pictures. W. M. Schultz. 1,767,858; June 24.
- Washing machine. A. W. Altorfer. 1,745,595; Feb. 4.
- Washing machine. A. W. Altorfer. 1,752,547; Apr. 1.
- Washing machine. A. W. Altorfer. 1,770,383; July 15.
- Washing machine. A. W. Altorfer. 1,772,094-5; Aug. 5.
- Washing machine. A. W. Altorfer. 1,773,334; Aug. 19.
- Washing machine. R. J. Anderson. 1,755,419; Apr. 22.
- Washing machine. W. G. Beatty. 1,747,750; Feb. 18.
- Washing machine. W. E. Bock. 1,766,213; June 24.
- Washing machine. C. C. Cammack. 1,751,446; Mar. 18.
- Washing machine. E. D. Clarke. 1,747,620; Feb. 18.
- Washing machine. E. D. Clarke. 1,772,207; Aug. 5.
- Washing machine. J. L. Coffield. 1,758,354; May 13.
- Washing machine. G. L. Davis. 1,748,442; Feb. 25.
- Washing machine. O. T. Dehle. 1,775,554; Sept. 9.
- Washing machine. O. T. Dehle. 1,783,415; Dec. 2.
- Washing machine. P. Diebold. 1,772,860; Aug. 12.
- Washing machine. S. O. Dougherty. 1,775,893; Sept. 16.
- Washing machine. J. H. Draper. 1,784,663; Dec. 9.
- Washing machine. A. O. Engberg and T. E. D. Bilde. 1,777,662; Oct. 7.
- Washing machine. J. H. Fedler. 1,743,200; Jan. 14.
- Washing machine. J. B. Fletcher. 1,769,666; July 1.
- Washing machine. W. A. Frantz. 1,760,822; May 27.
- Washing machine. B. E. Getz. 1,746,250; Feb. 11.
- Washing machine. G. M. Gibson. 1,782,684; Nov. 25.
- Washing machine. L. B. Green. 1,778,491; Oct. 14.
- Washing machine. L. Greenberg. 1,754,510; Apr. 15.
- Washing machine. E. C. Grotberg. 1,779,700; Oct. 28.
- Washing machine. W. R. Hampden. 1,761,338; June 3.
- Washing machine. A. W. Higgins and S. G. Rudd. 1,753,416; Apr. 8.

- Washing machine. W. J. Hollier. 1,754,951; Apr. 15.
Washing machine. H. A. W. Howcott. 1,769,221; July 1.
Washing machine. R. A. Hubinger. 1,764,631; June 17.
Washing machine. M. M. Jackson. 1,742,544; Jan. 7.
Washing machine. L. A. James. 1,778,257; Oct. 14.
Washing machine. J. H. Joseph. 1,751,922; Mar. 25.
Washing machine. W. H. Kleinhammer. 1,770,075-6; July 8.
Washing machine. F. J. Lasar. 1,750,961; Mar. 18.
Washing machine. J. P. Martin. 1,768,702; July 1.
Washing machine. L. Phelps. 1,757,472; May 6.
Washing machine. W. Rath. 1,775,407; Sept. 9.
Washing machine. W. C. Reid. 1,753,752; Apr. 8.
Washing machine. S. E. Schroeder. 1,770,713; July 15.
Washing machine. S. E. Schroeder. 1,772,845; Aug. 12.
Washing machine. L. A. Schurr and F. Breckenridge. 1,784,316; Dec. 9.
Washing machine. C. F. Smith and S. J. Helweg. 1,764,476; June 17.
Washing machine. C. E. Stanley. 1,755,341; Apr. 22.
Washing machine. W. B. Steen and C. D. Sharp. 1,759,376; May 20.
Washing machine. D. A. Wilson. 1,755,465; Apr. 22.
Washing machine. E. R. Zademach. Re17,673; May 20.
Washing-machine agitator. H. S. Labisky. 1,753,521; Apr. 8.
Washing-machine agitator. T. Simmons. 1,752,967; Apr. 1.
Washing-machine-agitator mechanism. S. E. Schroeder. 1,752,757; Apr. 1.
Washing machine and drier, Combined. C. E. Reddig. 1,766,542; June 24.
Washing machine and method, Slack-loop. H. C. Riggs. 1,758,174; May 13.
Washing-machine appliance. N. E. Maedgen. 1,760,202; May 27.
Washing-machine attachment. E. J. Erickson. 1,767,971; June 24.
Washing machine, Bottle-. C. Kallenbach. 1,744,639; Jan. 21.
Washing machine, Bottle-. G. F. Soelch. 1,749,989; Mar. 11.
Washing machine, Car-. H. W. Cordell and J. R. Blackhall. 1,783,074; Nov. 25.
Washing machine, Cylinder. J. R. Clover. 1,781,217; Nov. 11.
Washing-machine dollies, Forming. S. E. Schroeder. 1,744,509; Jan. 21.
Washing machine, Domestic. W. A. Frantz. 1,765,067; June 17.
Washing machine, Drum. J. T. Barber. 1,755,763; Apr. 22.
Washing machine, Filter-sand-. M. L. Bayard and M. Harvey. 1,767,729; June 24.
Washing-machine impeller. R. J. Holzhausen. 1,754,626; Apr. 15.
Washing-machine impeller. G. L. Markley. 1,745,177; Jan. 28.
Washing machine, Milk-can-. H. D. Lathrop. 1,770,931; July 22.
Washing machine, Paddle ore-. G. E. Krider. 1,786,399; Dec. 23.
Washing machine, Power. V. G. Apple. 1,757,106; May 6.
Washing machine with multiple liquid-impelling device. W. H. Voss. 1,756,318; Apr. 29.
Washing machines, Agitator for. M. E. Block. 1,781,774; Nov. 18.
Washing machines, Cleaning. E. S. Stoddard and V. Allen. 1,770,556; July 15.
Washing machines, Ice-cream-freezing attachment for. C. E. Cole and B. W. McGinnis. 1,749,067; Mar. 4.
Washing machines, Rinsing device for. J. W. Husk and R. L. Olson. 1,757,250; May 6.
Washing machines, Water-throwing apparatus for. G. P. Anstiss. 1,761,099; June 3.
Washing machines, Windmill power for. H. J. Koenen. 1,763,529; June 10.
Washing machines, Wringer head for. J. Nelson. 1,753,528; Apr. 8.
Washing operations with hard water, Carrying out. G. Ullmann and W. Seck. 1,746,170; Feb. 4.
Washing, rinsing, and drying machine, Combined. P. E. Barker. 1,769,764; July 1.
Washing solutions to washing machines, Device for automatically supplying. E. D. Edgren. 1,779,466; Oct. 28.
Washing vegetables, Apparatus for. B. Rabinowitz, née Brier. 1,767,615; June 24.
Waste and low-grade pigments, Treating. H. Reinhard. 1,776,689; Sept. 23.
Waste and vent fitting. J. J. Crotty. 1,782,775; Nov. 25.
Waste, Apparatus for destroying. A. H. Mann. 1,764,637; June 17.
Wastebasket construction. B. E. Richardson. 1,779,147; Oct. 21.
Waste can. W. Raster. 1,754,802; Apr. 15.
Waste cleaner. E. S. Pearce. 1,778,431; Oct. 14.
Waste, Conditioning. E. S. Pearce. 1,779,010-11; Oct. 21.
Waste connection, Combination. F. G. Brotz. 1,745,003; Jan. 28.
Waste-control device for washbasins, sinks, or tubs. H. W. West and R. D. Sanders. 1,770,639; July 15.
Waste-heat boiler. J. E. Bell. 1,753,589; Apr. 8.
Waste-picking machine. J. B. Gilliam. 1,748,415; Feb. 25.
Waste, Reclaiming. E. S. Pearce. 1,779,104; Oct. 21.
Waste-reclamation system. E. S. Pearce. Re17,710; June 24.
Waste spun or woven textile material, Treatment of. A. L. Burlin. 1,781,317; Nov. 11.
Watch. J. Bulova. 1,745,147; Jan. 28.
Watch. E. Frey. 1,754,884; Apr. 15.
Watch and golf score. A. Bulova. 1,775,066; Sept. 2.
Watch attachment, Wrist-. R. F. Campbell. 1,784,887; Dec. 16.
Watch box. L. Flier. 1,774,430; Aug. 26.
Watch bracelet. L. J. Vetter. 1,752,128; Mar. 25.
Watch bracelet or similar article. C. Schraysschuen. Des. 81,027; Apr. 22.
Watchcase. F. Baumgartner. 1,784,169; Dec. 9.
Watchcase. L. Cohn. Des. 81,830; Aug. 19.
Watchcase. A. P. Conant. Des. 80,307; Jan. 14.
Watchcase. A. P. Conant. Des. 80,358-60; Jan. 21.
Watchcase. A. P. Conant. Des. 80,999; Apr. 22.
Watchcase. G. Rea. Des. 81,256; May 27.
Watchcase. O. Gruber. 1,786,061; Dec. 23.
Watchcase. D. P. Lyons. 1,786,762; Dec. 30.
Watchcase. A. V. Stegeman, jr. Des. 80,401; Jan. 21.
Watchcase. A. V. Stegeman, jr. Des. 81,817; Aug. 12.
Watchcase-bar assembly. E. J. Wittman. 1,745,565; Feb. 4.
Watchcase bezel or back. C. W. Bieser. 1,779,407; Oct. 28.
Watchcase heater. H. A. Denmire. 1,762,131; June 3.
Watch-cleaning machine. C. H. Geery. 1,753,462; Apr. 8.
Watch-crystal-fitting device. J. B. McDaniel. 1,767,935; June 24.
Watch dial. I. Breger. Des. 82,245; Oct. 14.
Watch movement. R. Wein. 1,779,865; Oct. 28.
Watch movements, Balance for. B. J. Bates. 1,752,773; Apr. 1.
Watch protector for bathers. Wrist-. P. Kellner. 1,763,929; June 17.
Watch protector, Wrist-. H. Schreiber. 1,767,315; June 24.
Watch stand. F. X. Mantsion. 1,751,286; Mar. 18.
Watch stand or similar article. G. E. Bradbrook. Des. 80,305; Jan. 14.
Watch strap, Wrist-. I. R. Lederer. 1,784,239; Dec. 9.
Watch-winding mechanism. H. W. Jelliffe. 1,751,698; Mar. 25.
Water and apparatus therefor, Purifying. R. L. Hill. 1,782,850; Nov. 25.
Water and steam generator, Hot-. A. M. Kolstad. 1,786,660; Dec. 30.
Water, Apparatus for treating. C. F. Wallace. 1,777,987; Oct. 7.
Water, Automatic apparatus for preparing aerated. C. Derossi. 1,759,735; May 20.
Water, Automatic apparatus for the rapid production of aerated. C. Derossi. 1,753,081; Apr. 1.
Water, Biological purification of waste. F. Simmer. 1,751,459; Mar. 18.
Water boiler. H. Hargreaves. 1,752,905; Apr. 1.
Water boiler, Hot-. T. W. Dahlquist. 1,762,215; June 10.
Water-borne material from raceways and the like, Apparatus for removing. C. R. Reid. 1,751,421-2; Mar. 18.
Water-bottom structure, Self-supporting. J. C. Martin, jr. 1,776,320; Sept. 23.
Water bowl for animal stalls. W. Loudon. 1,744,007; Jan. 14.
Water-circulating means for automobile engines using thermosiphon systems, Auxiliary. R. F. Stephenson. 1,766,408; June 24.
Water-circulating system, Automatically-controlled. A. C. Durdin, jr. 1,780,379; Nov. 4.
Water circulator. V. P. Kill. 1,743,971; Jan. 14.
Water-closet. J. De Rose. 1,749,570; Mar. 4.
Water-closet. U. G. Lee. 1,750,779; Mar. 18.
Water-closet. F. Wallace. 1,755,040; Apr. 15.
Water-closet attachment. C. G. Burton. 1,752,782; Apr. 1.
Water-closet combination. B. O. Tilden. Des. 82,066; Sept. 16.
Water-closet combination. B. O. Tilden. 1,763,277; June 10.
Water-closet pan. M. Hollenweger. 1,759,574; May 20.
Water-closet, Sanitary portable. M. Schiller. 1,777,108; Sept. 30.
Water column. W. J. Hill. 1,745,095; Jan. 28.
Water, Continuous purification of. W. Neumann. 1,770,580; July 15.
Water control, Boiler-feed-. O. B. Kibele. 1,777,645; Oct. 7.
Water control, Direct-action thermostatic feed-. O. B. Kibele. 1,756,125; Apr. 29.
Water-cooled engine, Reverse-flow. E. O. Schjolin. 1,761,935; June 3.
Water-cooled furnace wall. O. Nygaard. 1,750,048; Mar. 11.
Water cooler. J. V. Bosque. 1,776,307; Sept. 23.
Water cooler. L. G. Copeman. 1,771,433; July 29.
Water cooler. H. W. Dyer. Des. 81,087; May 6.
Water cooler. V. Gliscil. 1,777,843; Oct. 7.
Water cooler. T. S. Merrylees. 1,761,087; June 3.
Water cooler. V. T. Schmitt. 1,749,194; Mar. 4.
Water cooler. R. T. Smith. 1,756,218; Apr. 29.
Water cooler. C. Steenstrup. Des. 81,420; June 17.
Water cooler. R. C. Wolfe. Des. 82,924; Dec. 23.

- Watercourse, Endless. J. W. Lippincott. 1,763,976; June 17.
- Water craft, Ocean-going. W. R. Blair. 1,753,399; Apr. 8.
- Water craft, Pneumatic. J. F. Boyle and A. Van Muffling. 1,765,002; June 17.
- Water craft, Steering. H. Scott-Paine. 1,780,767; Nov. 4.
- Water, Device for cooling. B. H. Coffey. 1,762,762; June 10.
- Water-dispensing device, Bottled-. F. S. Tower. 1,754,377; Apr. 15.
- Water-distributing system for cooling towers. G. K. Calhoun. 1,770,657; July 15.
- Water elevator, Compressed-air. G. W. Miller. 1,747,141; Feb. 11.
- Water expeller. T. J. Logan. 1,767,385; June 24.
- Water-flow device. B. Veenstra. 1,751,960; Mar. 25.
- Water fountain. R. Kielsmeier. 1,753,122; Apr. 1.
- Water fountain, Florist's. C. J. Lanternier. 1,753,424; Apr. 8.
- Water from oil, Device for separating. J. W. Pippin. 1,750,489-90; Mar. 11.
- Water from steam, Producing. P. Faber. 1,745,364; Feb. 4.
- Water-gas apparatus. C. S. Chrisman. 1,767,579; June 24.
- Water gas, Apparatus for manufacturing. W. E. Steinwedell. 1,772,789; Aug. 12.
- Water-gas process. T. W. Stone. 1,784,765; Dec. 9.
- Water-gauge guard. W. A. Newman. 1,784,247; Dec. 9.
- Water gauge, Reflector. R. Bolzard. 1,750,383; Mar. 11.
- Water heater. E. L. Badger. 1,784,652; Dec. 9.
- Water heater. J. D. Betts. 1,761,172; June 3.
- Water heater. A. Brodin. 1,749,969; Mar. 11.
- Water heater. J. Brombacher. 1,771,742; July 29.
- Water heater. G. A. Bryan. 1,745,401; Feb. 4.
- Water heater. J. J. Byrnes. 1,743,188; Jan. 14.
- Water heater. E. Cahow. 1,745,206; Jan. 28.
- Water heater. W. A. Daley. 1,769,735; July 1.
- Water heater. C. Dargent. 1,786,337; Dec. 23.
- Water heater. A. Fliss, jr. 1,760,634; May 27.
- Water heater. L. Ganz. 1,785,304; Dec. 16.
- Water heater. R. D. Goldberg. Des. 82,552; Nov. 18.
- Water heater. W. L. Hallett. 1,779,165; Oct. 21.
- Water heater. E. F. Holinger. 1,779,937; Oct. 28.
- Water heater. A. G. Kernin. 1,750,475; Mar. 11.
- Water heater. O. J. Kuenhold. 1,754,472; Apr. 15.
- Water heater. A. A. Marks. 1,766,080; June 24.
- Water heater. V. Mauck. 1,782,209; Nov. 18.
- Water heater. R. E. Newell. 1,762,522; June 10.
- Water heater. W. J. Sims. 1,755,082; Apr. 15.
- Water heater. J. C. Ureel. 1,743,169; Jan. 14.
- Water heater, Automatic electric. M. C. Crawley. 1,760,230; May 27.
- Water heater, Automobile. W. Prusacki. 1,745,231; Jan. 28.
- Water heater, Boiler-feed-. J. N. and S. L. Wyndham. 1,749,654; Mar. 4.
- Water heater, Compound. E. S. Stack. 1,774,041; Aug. 26.
- Water heater, Electric. A. Andriulli. 1,759,774; May 20.
- Water heater, Electric. M. S. Gazelle. 1,779,696; Oct. 28.
- Water heater, Electric. W. S. Lang. 1,784,695; Dec. 9.
- Water heater, Electric. V. Rosenberger. 1,759,281; May 20.
- Water heater, Electric. M. E. Staley. 1,754,580; Apr. 15.
- Water heater, Electrical. E. E. Kittredge, J. A. Forster and R. D. Johansen. 1,750,640; Mar. 18.
- Water heater, Electrically-operated. R. L. Shriner. 1,743,573; Jan. 14.
- Water heater, Feed-. D. W. R. Morgan. 1,760,954; June 3.
- Water heater, Feed-. J. H. Sebal. 1,785,983; Dec. 23.
- Water heater, Feed-. J. S. Williams. 1,777,063; Sept. 30.
- Water heater, Feed-. G. M. Wolfe. 1,748,163; Feb. 25.
- Water heater, Gas. V. Mauck. 1,747,982; Feb. 18.
- Water heater, Gas. A. T. Sponar. 1,776,239; Sept. 16.
- Water heater, Geyser or like. F. Cannon. 1,744,523; Jan. 21.
- Water heater, Hot-. L. B. Hyde. 1,780,426; Nov. 4.
- Water heater, Instantaneous electric. G. C. DeLannoy. 1,766,068; June 24.
- Water heater, Oil-burning. W. C. Elze. 1,767,747; June 24.
- Water heater, Portable electric. C. G. Dean. 1,767,122; June 24.
- Water heater, Secondary. G. Olson, and E. H. Kehl. 1,786,547; Dec. 30.
- Water heater, Solar. J. A. Gould. 1,747,826; Feb. 18.
- Water heater, Stationary. A. L. Mitchell. 1,752,536; Apr. 1.
- Water heater, Thermostatically-controlled gas. V. Mauck. 1,769,590; July 1.
- Water heater, Unrestricted-return. W. A. Daley. 1,782,380; Nov. 18.
- Water heating and dispensing means. J. H. Rogers and T. Concha. 1,752,698; Apr. 1.
- Water-inpregnating device. W. R. Pulkinghorn. 1,757,140; May 6.
- Water in concrete for the hydration of cement, Retaining. C. L. McKesson. 1,768,366; June 24.
- Water into engine cylinders, Device for introducing. O. O. Skreen. 1,764,755; June 17.
- Water-level-controlling device. J. T. Worthington. 1,762,538; June 10.
- Water-level indicator. C. B. O'Neill. 1,751,016; Mar. 18.
- Water lift. A. Liberty. 1,742,996; Jan. 7.
- Water-measuring tank, Automatic flow-control. G. E. Webb. 1,778,052; Oct. 14.
- Water meter. E. E. Gamon. 1,783,707; Dec. 2.
- Water, Method of and apparatus for controlling boiler feed. J. L. Kimball. 1,782,926; Nov. 25.
- Water, Method of and apparatus for softening. G. S. Apeldorn. 1,759,601; May 20.
- Water-mill toy. F. J. Goriup. Des. 81,232; May 27.
- Water motor. F. Fachnie. 1,780,584; Nov. 4.
- Water motor. W. G. Kitchens. 1,744,555; Jan. 21.
- Water motor. C. Lecrenier. 1,773,189; Aug. 19.
- Water motor. G. H. Merrick. 1,744,982; Jan. 28.
- Water motor. T. T. Randmetz. 1,749,506; Mar. 4.
- Water motor. M. Tabis. 1,759,671; May 20.
- Water motor, Automatic impact. C. W. Branson. 1,744,704; Jan. 21.
- Water of locomotives, Heating the feed. G. H. Emerson. 1,774,921; Sept. 2.
- Water-power generator. F. L. Gaede. 1,751,513; Mar. 25.
- Water-power wheel. J. A. Burroughs. 1,780,901; Nov. 11.
- Water, Process and apparatus for softening. W. H. Green. 1,752,339; Apr. 1.
- Water, Process and apparatus for treating boiler. C. T. McGill. 1,742,714; Jan. 7.
- Waterproof fabric and making the same. H. Warp. 1,769,611; July 1.
- Waterproof fibrous product. H. L. Levin. 1,785,357; Dec. 16.
- Waterproof sheets and product thereof, Making continuous. L. Kirschbraun. 1,767,532; June 24.
- Waterproofing composition. A. W. Holmberg. 1,754,827; Apr. 15.
- Waterproofing composition. C. S. Shelton. 1,778,964; Oct. 21.
- Waterproofing of materials. W. A. Bridgeman. 1,785,434; Dec. 16.
- Water purification. M. Brandt. 1,781,314; Nov. 11.
- Water purification. J. T. Travers and O. M. Urbain. 1,754,129; Apr. 8.
- Water purification. J. T. Travers, C. H. Lewis, and O. M. Urbain. 1,754,068; Apr. 8.
- Water, Purification of. O. and R. Adler. 1,771,518; July 29.
- Water, Purifying. L. L. Hedgepeth. 1,757,526; May 6.
- Water, Purifying boiler. R. O. Henszey. 1,786,113; Dec. 23.
- Water-purifying material and making same. H. Kriegsheim and W. Vaughan. 1,757,372; May 6.
- Water-regulating device. W. R. Hendrix. 1,780,589; Nov. 4.
- Water-regulating system, Feed-. J. M. Barrett. 1,777,633; Oct. 7.
- Water regulator, Automatic feed-. H. W. Gang. 1,767,920; June 24.
- Water regulator, Flush-. J. R. Smith. 1,742,289; Jan. 7.
- Water-resistant composition of matter. O. W. Storey and M. Kliefoth. 1,742,794; Jan. 7.
- Water screen, Endless sectional. F. P. Gary. 1,781,223; Nov. 11.
- Water shed for doors and making it. L. H. Lehman. 1,754,719; Apr. 15.
- Water softener. L. G. Daniels. 1,743,026; Jan. 7.
- Water softener. L. G. Daniels. 1,764,155; June 17.
- Water softener. C. P. Eisenhauer. 1,749,422; Mar. 4.
- Water softener. J. A. Johnson. 1,742,356; Jan. 7.
- Water softener. F. W. Miller. 1,783,255; Dec. 2.
- Water softener. S. S. Sadtler. 1,761,411; June 3.
- Water softener. E. T. Turner. 1,745,563; Feb. 4.
- Water softener. G. E. Webb. 1,751,671; Mar. 25.
- Water softener and method of preparing. W. N. McConkey. 1,753,661; Apr. 8.
- Water softener for base-exchanging substances. G. F. Hodgkinson. 1,763,784; June 17.
- Water softener, Semiautomatic. L. D. Nix. 1,744,493; Jan. 21.
- Water Softeners, Construction of zeolite. R. O. Friend. 1,783,466; Dec. 2.
- Water softening and purification. A. R. Moberg. 1,786,501; Dec. 30.
- Water softening and regenerating apparatus. M. Shetler. 1,778,280; Oct. 14.
- Water-softening apparatus. A. J. Dotterweich. 1,773,523; Aug. 19.
- Water-softening apparatus. E. T. Turner. 1,759,636; May 20.
- Water-softening apparatus. E. T. Turner. 1,763,727; June 17.
- Water-softening apparatus. E. T. Turner. 1,787,129; Dec. 30.
- Water-softening apparatus. C. B. Yount. 1,749,622; Mar. 4.
- Water-softening material of the exchange-silicate type, Making a. F. K. Lindsay. 1,744,703; Jan. 21.
- Water-softening system. W. E. Dunbar. 1,772,134; Aug. 5.
- Water-soluble product derived from the fatty acids occurring in wool fat and preparing the same. A. Thauss and G. Mauthe. 1,780,252; Nov. 4.
- Water-soluble product from fatty acids occurring in wool fat. G. Mauthe and A. Thauss. 1,784,941; Dec. 16.
- Water sprinkler. E. C. Brickhill. 1,780,332; Nov. 4.

- Water sprinkler. F. C. Orr. 1,751,879; Mar. 25.
 Water, Sterilizing of. O. and R. Adler. 1,750,561; Mar. 11.
 Water strata in wells, Method and apparatus for determining the location of. G. H. Ennis. 1,786,196; Dec. 23.
 Water-supply regulator. R. A. Brooks. 1,770,909; July 22.
 Water-supply regulator intended particularly for use with steam boilers, Feed-. H. Hillier. 1,771,331; July 22.
 Water-supply system. G. R. Alexander. 1,769,094; July 1.
 Water-supply system. E. G. Kelly and C. E. Zirkle. 1,755,993; Apr. 22.
 Water-supply system, Constant-. M. I. Weil. 1,786,804; Dec. 30.
 Water-supply system, Domestic hot-. T. W. Taylor. 1,746,323; Feb. 11.
 Water-supply system, Pneumatic. E. F. McCarthy. 1,767,542; June 24.
 Water system. H. G. Fisher. 1,749,877; Mar. 11.
 Water system. C. Warner. 1,786,468; Dec. 30.
 Water system for reclaiming white water or any fiber, White-. C. Dupuis. 1,787,341; Dec. 30.
 Water tank, Hot-. G. F. Schwartz. 1,780,316; Nov. 4.
 Water tap. J. Powell. 1,782,315; Nov. 18.
 Water to boilers, Method of and apparatus for feeding. V. V. Veenschoten. 1,757,028; May 6.
 Water-treating apparatus. E. G. Duden. 1,747,470; Feb. 18.
 Water-treating apparatus. E. G. Duden. 1,784,893; Dec. 16.
 Water, Treatment of boiler. H. Kriegsheim. 1,762,784; June 10.
 Water, Treatment of steam-boiler. R. E. Hall. 1,759,615; May 20.
 Water-tube boiler. S. P. Coulter. 1,767,173; June 24.
 Water-tube boiler. A. C. Danks and K. L. Martin. 1,748,113; Feb. 25.
 Water-tube boiler. K. L. Martin. 1,748,137; Feb. 25.
 Water-tube boiler. A. W. Patterson, jr. 1,756,164; Apr. 29.
 Water-tube boiler, Locomotive. G. H. Emerson. 1,763,140; June 10.
 Water wheel. C. Rixe. 1,773,010; Aug. 12.
 Waterer, Poultry. J. B. Olson. 1,786,024; Dec. 23.
 Waterer, Stock. M. G. Zoeller. 1,786,049; Dec. 23.
 Watering device. H. L. Ferris. 1,774,876; Sept. 2.
 Waters, Neutralization of acid waste. A. M. Hageman and W. L. Sullivan. 1,765,424; June 24.
 Waters, sparkling drinks, and the like, Manufacture of aerated. C. Hollins and E. Chapman. 1,777,365-7; Oct. 7.
 Watt-hour meter, Commutator-type direct-current. G. Lamb and I. F. Kinnard. 1,751,411; Mar. 18.
 Watt-hour meter, Induction. I. F. Kinnard. 1,752,094; Mar. 25.
 Watt-hour meter, Induction. I. F. Kinnard. 1,776,153; Sept. 16.
 Watthour meter, Mercury. D. R. Price. 1,747,079; Feb. 11.
 Wave analysis. A. S. Curtis. 1,762,160; June 10.
 Wave and tide motor. C. H. Ruth. 1,766,457; June 24.
 Wave antenna. D. K. Martin. 1,777,374; Oct. 7.
 Wave beautifier, Permanent-. J. Koerner. 1,783,881; Dec. 2.
 Wave filter. T. E. Shea. 1,752,579; Apr. 1.
 Wave generator, short-. F. Gerth. 1,754,749; Apr. 15.
 Wave measurement. A. Meissner. 1,779,259; Oct. 21.
 Wave motor. W. W. Malloy. 1,761,674; June 3.
 Wave motor. C. E. Shuler. 1,746,613; Feb. 11.
 Wave producer for swimming tanks. W. Woltz. 1,763,491; June 10.
 Wave retardation. H. Nyquist. 1,775,775; Sept. 16.
 Wave signalling system, Central energy. C. A. Sprague. 1,771,148; July 22.
 Wave source, Constant-frequency-. W. A. Marrison. 1,784,844; Dec. 16.
 Wave transmission. T. E. Shea. 1,743,691; Jan. 14.
 Wave transmission, Control of. F. A. Hubbard. 1,784,874; Dec. 16.
 Wave transmission device, Electric. R. A. Heising. 1,768,251; June 24.
 Wave transmission system. E. V. Griggs. 1,742,909; Jan. 7.
 Wave-transmission system. R. C. Mathes. 1,757,729; May 6.
 Wave transformation system of radio broadcast distribution. E. E. Clement. 1,748,279; Feb. 25.
 Waving accessory, Permanent-. J. L. Boyd. 1,773,940; Aug. 26.
 Waving and curling hair, Apparatus for. A. Craig. 1,777,075; Sept. 30.
 Waving hair, Device for. S. C. Headington. 1,757,245; May 6.
 Wax, Bleaching Montan. T. Hellthaler. 1,767,886; June 24.
 Wax compositions, Production of. W. Pungs and M. Jahrstorfer. 1,780,633; Nov. 4.
 Wax distillates, Purifying. E. Petty. 1,750,646; Mar. 18.
 Wax distributor and polisher, Combination. W. L. Butcher. 1,766,774; June 24.
 Wax from honeycombs, Gaining. C. Boesch. 1,748,700; Feb. 25.
 Wax, Immersion. F. W. Sullivan, jr. 1,752,933; Apr. 1.
 Wax-matrix black-leading machine. E. Rodd and J. H. Ebel. 1,763,866; June 17.
 Wax, Production of Montan. F. Zschoch and H. Rodrian. 1,753,816; Apr. 8.
 Wax sweating and crystallizing apparatus. H. L. Allan and J. Moore. 1,743,746; Jan. 14.
 Waxwork, robot, and the like figures. E. J. Marriott and C. French. 1,774,653; Sept. 2.
 Waxing and polishing device, Floor. A. F. Steiert and O. W. Linke. 1,752,581; Apr. 1.
 Waxing and polishing machine. G. A. Isenman. 1,769,293; July 1.
 Waxing composition. H. C. Nielsen. 1,761,677; June 3.
 Wear-compensating means for connecting-rod bearings. C. H. Ruby. 1,773,639; Sept. 23.
 Wear-indicating apparatus. S. M. Milne. 1,753,575; Apr. 8.
 Weatherproofing means. A. H. Kuhlman. 1,754,956; Apr. 15.
 Weather shield and antirattling device, Adjustable. G. C. Lofy. 1,750,897; Mar. 18.
 Weather shield for doors and windows, Metal. J. G. Shodron. 1,776,672; Sept. 23.
 Weather shield for freight cars. R. C. Lemons and W. A. Irons. 1,768,206; June 24.
 Weather strip. M. E. Bosley. 1,745,399; Feb. 4.
 Weather strip. M. E. Bosley. 1,785,476; Dec. 16.
 Weather strip. J. H. Cobel. 1,745,245; Jan. 28.
 Weather strip. C. R. De Laubenfels. 1,744,450; Jan. 21.
 Weather strip. J. P. Glaser and L. F. Julien. 1,762,514; June 10.
 Weather strip. J. A. Goellner. 1,781,382; Nov. 11.
 Weather strip. F. Kilberg. 1,769,581; July 1.
 Weather strip. G. S. Larson. 1,779,215; Oct. 21.
 Weather strip. L. C. Neilsen. 1,751,526; Mar. 25.
 Weather strip. W. S. Pritchard. 1,781,882; Nov. 18.
 Weather strip. I. L. Reed. 1,777,627; Oct. 7.
 Weather strip. A. J. and A. R. P. Spanjers. 1,748,660; Feb. 25.
 Weather strip, Automatic. F. J. Sonheim. 1,776,522; Sept. 23.
 Weather-strip device, Self-adjusting interlocking. F. Reese. 1,751,759; Mar. 25.
 Weather strip for casement sashes. H. E. White. 1,751,720; Mar. 25.
 Weather strip for doors, Automatic. J. W. Carter. 1,785,672; Dec. 16.
 Weather strip for doors, Roller. A. Olson. 1,783,305; Dec. 2.
 Weather strip for metal sash. J. O. Carlson. 1,755,632; Apr. 22.
 Weather strip for sliding metal sash. H. E. White. 1,755,620; Apr. 22.
 Weather strip, Metal. A. M. Lane. 1,781,400; Nov. 11.
 Weather strip, Threshold. W. B. Bailey. 1,785,431; Dec. 16.
 Weather strip, Windshield. D. A. Donahue. 1,763,603; June 10.
 Weather stripping. LeR. M. Bickett. 1,767,165; June 24.
 Weather stripping. M. E. Bosley. 1,742,195; Jan. 7.
 Weather stripping. M. E. Bosley. 1,751,454; Mar. 18.
 Weather stripping. W. J. Dennis. 1,755,687; Apr. 22.
 Weather stripping. G. E. Jeandheur. 1,752,990; Apr. 1.
 Weather stripping. F. D. Zimmerman. 1,745,237; Jan. 28.
 Weather-stripping, Metal-bound. J. L. Mohun and H. Piesch. 1,742,870; Jan. 7.
 Weather vane. J. M. P. Wallace. 1,751,433; Mar. 18.
 Weaving. W. Nicolet. 1,764,574; June 17.
 Weaving. W. Nicolet. 1,764,576; June 17.
 Weaving. H. G. Robinson. 1,745,955; Feb. 4.
 Weaving, Method of and apparatus for use in. G. H. Perkins. 1,778,335-6; Oct. 14.
 Web aligning and tensioning. B. M. Boyd. Re17,747; July 29.
 Web-cleaning mechanism. H. V. Ball. 1,744,151; Jan. 21.
 Web-cutting device. G. F. Wike. 1,748,266; Feb. 25.
 Web-cutting machine. G. W. Swift, jr. 1,757,445; May 6.
 Web-cutting mechanism. A. Baumgartner. 1,782,674; Nov. 25.
 Web-cutting mechanism. H. Reynolds. 1,749,546; Mar. 4.
 Web-dispensing machine. W. A. Uttz, sr. 1,772,170; Aug. 5.
 Web-drying machine, Continuous-. C. J. Merrill. 1,779,611; Oct. 28.
 Web for swimming. J. Eilers. 1,779,590; Oct. 28.
 Web-forming apparatus. S. Diesen. 1,771,559; July 29.
 Web-forming attachment for foundry patterns and the like. C. H. Reeder. 1,774,668; Sept. 2.
 Web-guiding apparatus. R. S. Kirk. 1,754,629; Apr. 15.
 Web-joining mechanism. H. V. Ball. 1,767,728; June 24.
 Web-looping-mechanism for traveling-cylinder web-printing presses. P. F. and J. L. Cox. 1,742,756; Jan. 7.
 Web-replenishing mechanism. W. C. Scott. 1,758,176; May 13.
 Web-roll changer. H. V. Ball. 1,767,727; June 24.
 Web-treating machine. I. L. Young. 1,742,295; Jan. 7.
 Webbing for suspenders, garters, and similar articles. A. Sheldon. Des. 80,500; Feb. 11.
 Webbing for suspenders, garters, and similar articles. F. J. Zimmerer. Des. 81,424; June 17.
 Webs of flexible material, Coating and impregnating. E. Weinheim. 1,784,797; Dec. 9.
 Webs of woven material, Treating dry. H. Maly. 1,787,385; Dec. 30.
 Wedding ring. J. Granat. Des. 81,329; June 10.
 Wedding ring. J. Granat. Des. 81,976; Sept. 9.

- Wedding ring. P. Krasnow. Des. 82,566; Nov. 18.
 Wedding ring. D. Lampert. Des. 82,163; Sept. 30.
 Wedding ring. A. H. Quast and O. B. Olsen. Des. 82,585; Nov. 18.
 Wedge. G. Gray. 1,762,622; June 10.
 Wedge-cutting machine. E. R. Pollard. 1,784,028; Dec. 9.
 Wedge slip for rotaries. J. W. Kaough. 1,749,946; Mar. 11.
 Wedge slip, Sectional. J. W. Kaough. 1,749,945; Mar. 11.
 Weed cutter. J. Cadwallader. 1,780,741; Nov. 4.
 Weed cutter. I. W. Fisher. 1,785,443; Dec. 16.
 Weed cutter. C. C. Groeneveld and C. W. Fuller. 1,757,858; May 6.
 Weed cutter. E. Reynolds. 1,778,773; Oct. 21.
 Weed cutter. E. Stauverman. 1,784,163; Dec. 9.
 Weed cutter. T. G. Sydnor. 1,760,024; May 27.
 Weed cutter. A. Weaver. 1,743,296; Jan. 14.
 Weed eradicator. W. T. Millar. 1,745,903; Feb. 4.
 Weed guard for fishing lines. A. C. Deatz. 1,768,033; June 24.
 Weed puller. F. P. Riddell. 1,771,353; July 22.
 Weeder. J. W. Krise. 1,776,187; Sept. 16.
 Weeder. A. Rowley. 1,756,495; Apr. 29.
 Weeder. J. Wicker. 1,761,001; June 3.
 Weeder. T. T. Wright. 1,758,384; May 13.
 Weeder. J. F. Zeilinger. 1,765,392; June 24.
 Weeder, Harpoon. J. B. Bradford. 1,777,029; Sept. 30.
 Weeder, Rotary disk. H. V. Hoskins. 1,755,004; Apr. 15.
 Weeder unit. C. L. Key. 1,775,243; Sept. 9.
 Weeder with tractor hitch, Gang. R. M. Largent. 1,784,362; Dec. 9.
 Weeding and subtilling machine. H. F. Joseph. 1,744,475; Jan. 21.
 Weeding attachment for cultivators. C. F. Johnson. 1,770,648; July 15.
 Weft carriers, Disposal device for ejected. R. G. Turner. 1,766,732; June 24.
 Weft detector. R. G. Turner. 1,786,683; Dec. 30.
 Weft detector, Side-slipping movable-plunger. E. R. Holmes. 1,766,821; June 24.
 Weft-inserting mechanism. F. E. Ashton. 1,762,377; June 10.
 Weft-replenishing mechanism for looms. R. G. Turner. 1,752,403; Apr. 1.
 Weft-replenishing mechanism, Multicolor. C. J. Lindgren. 1,760,949; June 3.
 Weigher and drill-string pressure-recording device, Automatic. W. R. Martin. 1,771,340; July 22.
 Weigher, Automatic. S. W. and E. S. Smith. 1,755,154; Apr. 15.
 Weighing and counting apparatus, Sensitive. F. P. Causse. 1,769,768; July 1.
 Weighing and mixing machine, Aggregate. E. H. Lichtenberg. 1,745,174; Jan. 28.
 Weighing and recording machine. J. Goetzmann. 1,753,202; Apr. 8.
 Weighing and testing apparatus of the steelyard type. F. W. Highfield. 1,775,958; Sept. 16.
 Weighing and weight totalizing apparatus, Automatic. A. Lenton. 1,744,232; Jan. 21.
 Weighing apparatus. L. de Brouckere and A. Van Duyn. 1,742,585; Jan. 7.
 Weighing apparatus. L. Gandriaux. 1,781,575; Nov. 11.
 Weighing apparatus. W. E. McKim. 1,765,495; June 24.
 Weighing apparatus, Coin-freed. L. C. Bradley. 1,758,141; May 13.
 Weighing apparatus, Indicating means for. A. Van Duyn. 1,782,670; Nov. 25.
 Weighing balance. P. E. Klopsteg. 1,775,246; Sept. 9.
 Weighing device for dial balances. J. Dockl. 1,785,542; Dec. 16.
 Weighing indicator. E. W. Schellentrager. 1,755,078; Apr. 15.
 Weighing machine. W. H. Rees. 1,751,760; Mar. 25.
 Weighing machine, Automatic. M. J. Pohl. 1,773,239; Aug. 19.
 Weighing machine, Automatic bag-. H. Roth. 1,777,227; Sept. 30.
 Weighing machine, Can-. N. L. Oates and E. H. Waugh. 1,747,593; Feb. 18.
 Weighing machine, Coin-controlled. H. S. Benjamin. 1,780,165; Nov. 4.
 Weighing machine of the portable type, Platform. C. M. Sykes and A. Binns. 1,754,064; Apr. 8.
 Weighing material during its motion through a conveyer, Device for. R. Uhlig. 1,751,898; Mar. 25.
 Weighing mechanism. W. S. Smith. 1,774,296; Aug. 26.
 Weight-checking device. D. W. Ripley. 1,784,540; Dec. 9.
 Weight equalizer for dispensing gasoline, oil, etc., from storage drums. J. W. Parr. 1,755,745; Apr. 22.
 Weight for weft-replenishing-loom thread holders. H. V. Foster. 1,766,894; June 24.
 Weight indicator. R. A. Lincoln. 1,780,238; Nov. 4.
 Weight, Paper. W. C. Porter. 1,784,707; Dec. 9.
 Weight regulator and indicator. G. E. Behnke. 1,779,581; Oct. 28.
 Weight-released switch. S. Mitchell. 1,776,738; Sept. 23.
 Weight support for vibratory controls. A. H. Brandon. 1,742,685; Jan. 7.
 Weighting and grading machine. W. C. Wright. 1,756,016; Apr. 29.
 Weighting of silk. A. Feubel. 1,749,699; Mar. 4.
 Weir, Irrigation. F. J. Pardini. 1,772,518; Aug. 12.
 Weld rod and making the same, Coated metallic-arc. 1,754,063; Apr. 8.
 Weld rod for electric-arc welding. A. W. Carlson. 1,759,686; May 20.
 Weld rod for electric arc welding, Covered. R. Stresau. 1,754,206; Apr. 8.
 Welded joint. F. Rosenberg. 1,754,051; Apr. 8.
 Welded joints for steel pipe, Making. F. C. King. 1,750,010; Mar. 11.
 Welded joints, Reenforcing. W. J. Gamble. 1,774,365; Aug. 26.
 Welded tubular element. J. E. Bell. 1,764,603; June 17.
 Welding. J. L. Anderson. 1,761,167; June 3.
 Welding. A. G. Crum. 1,756,054; Apr. 29.
 Welding. C. A. Frahm and E. W. Riemenschnneider. 1,765,368; June 24.
 Welding. W. R. Linden. 1,754,721; Apr. 15.
 Welding. W. B. Miller. 1,754,566; Apr. 15.
 Welding. B. S. Robinoff, S. E. Paine, and W. E. Quillen. 1,782,316; Nov. 18.
 Welding. C. T. Siebs and T. A. Daniel. 1,779,563; Oct. 28.
 Welding, Alumino-thermic. J. Wattmann. 1,771,472; July 29.
 Welding and forging by electric-resistance method. F. H. Speed. 1,744,284; Jan. 21.
 Welding and the resultant product. O. U. Hofmann. 1,782,234; Nov. 18.
 Welding apparatus. B. Halle. 1,775,311; Sept. 9.
 Welding apparatus. F. A. Sanborn. 1,744,804; Jan. 28.
 Welding apparatus. H. A. Woofter. 1,753,492; Apr. 8.
 Welding apparatus and method of welding. J. C. Cromwell. 1,753,263; Apr. 8.
 Welding apparatus, Arc-. F. Lane and H. J. Morgan. 1,784,015; Dec. 9.
 Welding apparatus, Arc. J. Sauer. 1,770,808; July 15.
 Welding apparatus, Electrical. E. J. von Henke. 1,761,421; June 3.
 Welding apparatus, Electric pipe-. C. Helle. 1,748,551; Feb. 25.
 Welding, Apparatus for. J. A. Muir. 1,757,540; May 6.
 Welding, Apparatus for electric. J. B. Hendrickson. 1,749,765; Mar. 11.
 Welding, Apparatus for electric. E. J. von Henke. 1,761,458; June 3.
 Welding apparatus, Resistance. D. F. Pancoast. 1,761,276; June 3.
 Welding, Arc. P. K. Devers. 1,746,191; Feb. 4.
 Welding, Arc. H. M. Hobart. 1,746,081; Feb. 4.
 Welding, Arc. J. F. Lincoln. 1,774,023; Aug. 26.
 Welding, Arc. R. Sarazin. 1,759,373; May 20.
 Welding, Arc. G. A. Whiting. 1,760,534; May 27.
 Welding, Automatic. W. H. D'Ardenne, J. O. Landis, and L. H. Christensen. 1,751,077; Mar. 18.
 Welding, brazing, and hard-soldering rod, Pocketed. O. M. Krembs. 1,785,778; Dec. 23.
 Welding clamping device. L. H. Hoffer. 1,781,548; Nov. 11.
 Welding, Continuous electric-arc. A. J. Hand. 1,742,469; Jan. 7.
 Welding device. R. L. Le Boeuf. 1,775,532; Sept. 9.
 Welding device. W. F. Mecum. 1,762,402; June 10.
 Welding, Electric. P. P. Alexander. 1,746,210; Feb. 4.
 Welding, Electric. E. N. Jorgensen. 1,752,598; Apr. 1.
 Welding, Electric. G. Kalschne. 1,779,278; Oct. 21.
 Welding, Electric. J. F. Lawson. 1,786,759; Dec. 30.
 Welding, Electric. R. D. Malm. 1,767,220; June 24.
 Welding, Electric. E. Thomson. 1,746,202; Feb. 4.
 Welding, Electric. E. Thomson. 1,746,204; Feb. 4.
 Welding, Electric. J. A. Toleik. 1,773,892; Aug. 26.
 Welding, Electric. J. J. Vienneau. 1,773,068; Aug. 12.
 Welding, Electric-arc. E. Thomson. 1,746,205; Feb. 4.
 Welding, Electric flash. W. F. Heineman. 1,780,297; Nov. 4.
 Welding fixture. A. Brantingham. 1,759,036; May 20.
 Welding flux. R. R. Fulton. 1,750,301; Mar. 11.
 Welding hydraulic apparatus. J. B. Hendrickson. 1,755,321; Apr. 22.
 Welding machine. V. J. Chapman. 1,782,461; Nov. 25.
 Welding machine. C. L. Ipsen, V. J. Chapman, and P. Klein. 1,776,731; Sept. 23.
 Welding machine. W. J. Kirkman. 1,770,649; July 15.
 Welding machine. G. S. Lewis. 1,787,115; Dec. 30.
 Welding machine. J. J. Paugh. 1,767,473; June 24.
 Welding machine. H. D. Randall. 1,750,050; Mar. 11.
 Welding machine. C. L. Rowland. 1,763,867; June 17.
 Welding machine. M. H. Sussman. 1,755,799; Apr. 22.
 Welding machine and method. H. S. Holmes and Le R. H. Hoffer. 1,776,587; Sept. 23.
 Welding machine, Automatic spot. C. L. Eksergian. 1,767,521; June 24.
 Welding machine, Electric. C. T. Hatch. 1,754,948; Apr. 15.
 Welding machine, Electric. F. H. Johnson. 1,750,757; Mar. 18.
 Welding machine, Electric. E. Lunn. 1,769,148; July 1.
 Welding machine, Electrical. A. C. Taylor. 1,744,062; Jan. 21.
 Welding machine, Electrical. R. T. Todd. 1,750,442; Mar. 11.
 Welding machine, Link-. H. Weinacker. 1,750,142; Mar. 11.
 Welding machine, Portable. E. J. von Henke. 1,779,365; Oct. 21.

- Welding machine, Seam-. W. H. Gibb. 1,787,039; Dec. 30.
- Welding machine, Spot-. W. F. Koelpin. 1,768,987; July 1.
- Welding machines, Attachment for. E. W. Little. 1,773,465; Aug. 19.
- Welding machines, Attachment for. E. W. Little. 1,783,337; Dec. 2.
- Welding materials of dissimilar thermal characteristics. W. M. Chace. 1,755,425; Apr. 22.
- Welding, Method and apparatus for electric-arc. P. P. Alexander. 1,746,207; Feb. 4.
- Welding, Method and apparatus for electric-arc. P. P. Alexander. 1,746,209; Feb. 4.
- Welding, Method and apparatus for electric-arc. I. Langmuir and P. P. Alexander. 1,746,196; Feb. 4.
- Welding, Method and apparatus for electric-arc. E. Thomson and P. P. Alexander. 1,746,203; Feb. 4.
- Welding, Method of and apparatus for. C. L. Pfeiffer. 1,744,797; Jan. 28.
- Welding of brass and aluminum, Spot. E. Lunn. 1,770,540; July 15.
- Welding of magnesium and its alloys, Autogenous. G. Michel. 1,749,712; Mar. 4.
- Welding of rails and the like, Alumino-thermic. E. F. Begtrup. Re17,671; May 20.
- Welding process. R. Peterson. 1,777,531; Oct. 7.
- Welding process. H. G. Spillsbury. 1,787,056; Dec. 30.
- Welding rod. W. B. Miller. 1,762,482; June 10.
- Welding rod. S. M. Norwood. 1,762,483; June 10.
- Welding rod. W. F. and S. M. Stooddy and N. W. Cole. 1,757,601; May 6.
- Welding rod, Metallic. H. R. Pennington. 1,756,568; Apr. 29.
- Welding rod, Nonferrous. A. R. Lytle. Re17,631; Apr. 1.
- Welding-roll screw down. J. J. Kennedy. 1,753,241; Apr. 8.
- Welding segments of hollow articles. J. B. and T. E. Murray, jr. Re17,574; Jan. 28.
- Welding, Shaping edges for fusion. H. J. Grow. 1,787,247; Dec. 30.
- Welding strip for golf shafts. H. C. Lagerblade. 1,783,802; Dec. 2.
- Welding system, Arc. R. E. Frickey and A. S. Kalenborn. 1,749,133; Mar. 4.
- Welding system, Arc. A. K. Harford. 1,765,373; June 24.
- Welding table. H. Schmuckler. 1,755,031; Apr. 15.
- Welding tubular articles, Electrically. W. E. Crawford. 1,783,411; Dec. 2.
- Welding with high-frequency currents, Apparatus for. E. J. von Henke. 1,761,420; June 3.
- Welds on banded bodies, Securing of. A. Lützwow. 1,780,978; Nov. 11.
- Well apparatus. N. K. Smith. 1,754,288; Apr. 15.
- Well apparatus, Oil-. C. P. Mays. 1,758,453; May 13.
- Well-boring apparatus. M. W. Carroll. 1,755,424; Apr. 22.
- Well-capping device. J. O. Johnson. 1,786,848; Dec. 30.
- Well-casing centering device. R. C. Baker. 1,767,198; June 24.
- Well-casing head, Oil-. W. E. Keenan. 1,756,597; Apr. 29.
- Well-casing perforator. R. Moss. 1,785,419; Dec. 16.
- Well-casing puller. F. F. Wellman. 1,762,087; June 3.
- Well-casing shoe. E. D. Every. 1,762,012; June 3.
- Well casings, Apparatus for perforating. C. E. Wood. 1,779,652; Oct. 28.
- Well casings, Guiding, floating and cementing device for. R. C. Baker. 1,748,007; Feb. 18.
- Well casings, Locating, testing, and cleaning leaks or holes in. P. H. Granger. 1,744,698; Jan. 21.
- Well cleaner. P. R. Short. 1,747,398; Feb. 18.
- Well drill, Roller. F. L. Scott. 1,765,545; June 24.
- Well-drilling apparatus. W. Shedon. 1,781,706-7; Nov. 18.
- Well-drilling apparatus. G. R. Watson. 1,750,826; Mar. 18.
- Well drilling, Apparatus for. G. D. Parker. 1,781,989; Nov. 18.
- Well drilling, Automatic control device for. R. Godet. 1,752,076; Mar. 25.
- Well-drilling bit. W. W. Hartman. 1,746,423; Feb. 11.
- Well-drilling bit. A. W. Kammerer. 1,769,956; July 8.
- Well-drilling equipment. R. Wilkins. 1,785,163; Dec. 16.
- Well-drilling-machine derrick. H. G. Parr. 1,770,286; July 8.
- Well-drilling rigs, Attachment for. I. A. Karns. 1,756,364; Apr. 29.
- Well elevator. J. Grant. 1,781,922; Nov. 18.
- Well-filling means for carburetors. R. F. Ensign. 1,748,332; Feb. 25.
- Well flowing apparatus. R. M. Haskell. 1,754,946; Apr. 15.
- Well-flowing device, Automatic. A. Boynton. 1,747,571-2; Feb. 18.
- Well-flowing device, Automatic. A. Boynton. 1,749,124; Mar. 4.
- Well heater, Oil-. P. V. Downey. 1,776,997; Sept. 30.
- Well holes from the vertical, Apparatus for determining deviation of. H. J. Morgan. 1,751,594; Mar. 25.
- Well packer. A. J. Eulberg. 1,766,887; June 24.
- Well packer. G. A. Humason. 1,785,123; Dec. 16.
- Well packer. L. E. and H. L. Shepard. 1,766,766; June 24.
- Well packer. P. F. Yungling. 1,764,136; June 17.
- Well packer and fluid sampler, Recoverable. G. A. Macready. 1,776,918; Sept. 30.
- Well pumping and drilling rig, Oil-. C. Eurit. 1,775,390; Sept. 9.
- Well screen. M. F. Kettler. 1,780,882; Nov. 4.
- Well screen. E. C. Wilson. 1,750,871; Mar. 18.
- Well-shooting device. J. J. Hill. 1,750,405; Mar. 11.
- Well-shooting device. J. A. Morrison and E. T. William. 1,764,222; June 17.
- Well stuffing box. F. Fox. 1,745,667; Feb. 4.
- Well-testing device. S. Mackin. 1,760,707; May 27.
- Well-tool grab. G. A. Robison. 1,750,728; Mar. 18.
- Wells, Apparatus for exhausting. C. A. Anderson. 1,771,988; Aug. 5.
- Wells, Apparatus for and method of flowing. H. P. Porter. 1,761,363; June 3.
- Wells, Apparatus for cementing. H. H. Dievendoff and S. O. Barton. 1,763,642; June 17.
- Wells, Apparatus for drilling. L. E. Zerbe and M. T. Archer. 1,785,238; Dec. 16.
- Wells, Apparatus for exhausting. C. A. Anderson. 1,756,500; Apr. 29.
- Wells, Apparatus for measuring depths of. C. E. Van Orstrand. 1,768,809; July 1.
- Wells, Apparatus for pumping deep. C. Jacobsen. 1,753,930; Apr. 8.
- Wells by radio, System of shooting. W. F. Bleecker. 1,757,288; May 6.
- Wells by stages, Apparatus for flowing deep. R. H. Bess. 1,766,974; June 24.
- Wells, Cleaning. I. L. Dunn. 1,774,640; Sept. 2.
- Wells, Forming gravel packs for. T. W. Thorpe. 1,748,589; Feb. 25.
- Wells in gas formations, Drilling. N. O. Miller. 1,753,440; Apr. 8.
- Wells, Method and apparatus for flowing or pumping. R. M. Haskell. 1,754,945; Apr. 15.
- Wells, Method of and device for cementing. A. Boynton. 1,773,941; Aug. 26.
- Welt. D. P. Cummings. 1,753,333; Apr. 8.
- Welt. F. W. Merrick. 1,745,902; Feb. 4.
- Welt bar. C. Hadfield. 1,770,849; July 15.
- Welt butting and tacking machine. F. L. Mackenzie. 1,747,553; Feb. 18.
- Welt, Finishing. R. C. Schemmel. 1,743,624; Jan. 14.
- Welt gauge, Presser-foot. J. E. Ives. 1,760,500; May 27.
- Welt grooving and beveling machine. J. Gouldbourn and W. T. Minett. 1,743,208; Jan. 14.
- Welt-lock frame. A. C. Wisner. 1,764,920; June 17.
- Weltling. W. J. Fallon, jr. 1,762,967; June 10.
- Weltling, Making. W. J. Fallon, jr. 1,772,178; Aug. 5.
- Weston standard cell. L. J. Seitz, jr. 1,760,178; May 27.
- Wet mixing method and apparatus. F. D. Pfeffer and F. Trotter. 1,758,200; May 13.
- Wet mixtures, Method and apparatus for preparing. J. C. MacIldowie. 1,781,728; Nov. 18.
- Wheel. See—
- Abrasive wheel. Railway wheel.
 - Antifriction wheel. Resilient wheel.
 - Automobile wheel. Scoring wheel.
 - Beater wheel. Skate wheel.
 - Buffing wheel. Spring wheel.
 - Car wheel. Steel wheel.
 - Cleated ground wheel. Steering wheel.
 - Cushion wheel. Suspension wheel.
 - Dished wheel. Toy locomotive wheel.
 - Disk wheel. Traction wheel.
 - Finishing wheel. Tractor wheel.
 - Flexible wheel. Trolley wheel.
 - Gear wheel. Turbine wheel.
 - Grinding wheel. Vehicle wheel.
 - Master wheel. Water-power wheel.
 - Metal wheel. Water wheel.
 - Nonskid wheel. Width-maintaining wheel.
 - Polishing wheel. Windmill wheel.
 - Power wheel. Wind wheel.
 - Wire wheel.
- Wheel. F. E. Anderson. 1,765,858; June 24.
- Wheel. H. A. House, jr. 1,746,476; Feb. 11.
- Wheel. C. J. Hug. 1,746,858; Feb. 11.
- Wheel. C. J. Hug. 1,780,923; Nov. 11.
- Wheel. C. R. Koehler. 1,750,478; Mar. 11.
- Wheel. F. Kopp. 1,750,407; Mar. 11.
- Wheel. I. A. Merle. 1,759,238; May 20.
- Wheel. E. A. Nelson. 1,744,915; Jan. 28.
- Wheel. W. E. Robinson. 1,779,917; Oct. 28.
- Wheel. L. L. Schooling. 1,780,404; Nov. 4.
- Wheel. B. A. Van Wormer. 1,748,198; Feb. 25.
- Wheel. L. E. Waite. 1,760,329; May 27.
- Wheel. L. E. Waite. 1,774,117; Aug. 26.
- Wheel. G. Walther, F. H. Walkley, and J. H. Borghardt. 1,752,317; Apr. 1.
- Wheel. J. W. White. 1,750,655; Mar. 18.
- Wheel. A. N. Wilcox. 1,763,413; June 10.
- Wheel aligner. M. A. Lahr. 1,782,827; Nov. 25.
- Wheel-aligning gauge. L. G. Taylor. 1,749,268; Mar. 4.
- Wheel and axle. E. Kreissig. 1,751,007; Mar. 18.
- Wheel and bearing construction. H. L. Kraefft. 1,764,731; June 17.
- Wheel and making the same, Metal. E. E. Einfeldt. 1,780,704; Nov. 4.
- Wheel and wheel and axle assembly, Railway truck. W. Dalton. 1,745,153; Jan. 28.
- Wheel and wheel journal. J. A. Mahr. 1,786,764; Dec. 30.

- Wheel assembly. R. S. Burdette. 1,763,576; June 10.
 Wheel assembly. B. Darrow. 1,781,273; Nov. 11.
 Wheel assembly. P. L. Tenney. 1,780,370; Nov. 4.
 Wheel-assembly device, Wire-. M. W. H. Wilson. 1,780,215; Nov. 4.
 Wheel-attaching device. C. Crain. 1,766,375; June 24.
 Wheel attachment, Automobile. W. R. Metts. 1,766,393; June 24.
 Wheelbarrow. H. B. Newton. 1,754,835; Apr. 15.
 Wheelbarrow attachment. W. A. Parsons. 1,768,271; July 1.
 Wheel block. W. W. Blakely. 1,761,068; June 3.
 Wheel bodies to wheel hubs, Device for securing. W. N. Booth. 1,766,099; June 24.
 Wheel brake. H. C. Pierle. 1,744,241; Jan. 21.
 Wheel brake, Front-. A. W. Frehse. 1,761,912; June 3.
 Wheel-breaking machine. E. C. Stolberg. 1,784,471; Dec. 9.
 Wheel centers, Manufacturing. E. R. Jacobi and F. H. Le Jeune. 1,742,395; Jan. 7.
 Wheel chock. W. L. Lightford. 1,762,997; June 10.
 Wheel chuck. J. C. Crocker. 1,759,098; May 20.
 Wheel-cleaning device, Traction-. J. Guth. 1,761,262; June 3.
 Wheel cleats or lugs, Quickly attaching and detaching tractor-. T. J. Calhoun. 1,784,958; Dec. 16.
 Wheel construction. H. L. Kraeft. 1,754,431; Apr. 15.
 Wheel construction. F. L. Main. 1,761,928; June 3.
 Wheel construction. J. G. Swain. 1,768,344; June 24.
 Wheel construction, Cushioned-. A. Wichert. 1,749,554; Mar. 4.
 Wheel disks, Forming vehicle. W. N. Booth. 1,784,218; Dec. 9.
 Wheel-dressing device for grinding machines. F. Judge and A. M. Drake. 1,756,646; Apr. 29.
 Wheel drive, Free-. A. F. Masury. 1,751,868; Mar. 25.
 Wheel driving joint with steering swivel for motor vehicles, Front-. C. Matschel. 1,782,361; Nov. 18.
 Wheel feed, Automatic. A. P. Steiner. 1,777,938; Oct. 7.
 Wheel felly. F. W. Baker. 1,785,995; Dec. 23.
 Wheel-flange lubricator. C. A. Brost. 1,756,726; Apr. 29.
 Wheel-flange lubricator. J. W. Coppage. 1,780,464; Nov. 4.
 Wheel-flange lubricator. L. J. Rickard. 1,747,028; Feb. 18.
 Wheel for aeroplanes, Emergency. L. H. Baldwin. 1,750,950; Mar. 18.
 Wheel for automobiles, Emergency. S. Marks. 1,756,006; Apr. 22.
 Wheel for railroad vehicles. P. M. Bourdon. 1,782,285; Nov. 18.
 Wheel for railway rolling stock. W. Gribben. 1,785,812; Dec. 23.
 Wheel for tanning apparatus, Paddle. I. Horween. 1,767,760; June 24.
 Wheel for the pontoons of amphibian airplanes, Retractable. V. J. Burnelli. 1,747,696; Feb. 18.
 Wheel for tractors, agricultural implements, and the like. D. Ronaldson. 1,748,190; Feb. 25.
 Wheel for vehicles. A. Gauthier. 1,763,580; June 10.
 Wheel for vehicles, Resilient. H. Dielmann. 1,750,260; Mar. 11.
 Wheel for vehicles, Spring. A. J. Johnsen. 1,765,160; June 17.
 Wheel for vehicles, Spring. O. Mueller and M. Newman. 1,774,941; Sept. 2.
 Wheel guard. Y. Miyaoka. 1,748,304; Feb. 25.
 Wheel head and the like. W. Le R. Brayant. 1,755,238; Apr. 22.
 Wheel-hub construction, Vehicle. C. G. Keller. 1,783,432; Dec. 2.
 Wheel hub, Detachable. C. O. Howard. 1,756,643; Apr. 29.
 Wheel-lifting device. A. J. G. Bolard. 1,782,400; Nov. 25.
 Wheel lock, Steering-. G. Keith. 1,745,261; Jan. 28.
 Wheel-lug cleaner. J. and F. Thies. 1,782,637; Nov. 25.
 Wheel-lug-cleaning device. C. E. Webber. 1,774,463; Aug. 26.
 Wheel manufacture, Car-. J. P. Kittredge. 1,777,673; Oct. 7.
 Wheel manufacture, Metal-. E. H. Arnold. 1,753,306; Apr. 8.
 Wheel mount, Abrasive-. T. Larsson. 1,783,729; Dec. 2.
 Wheel mounting for land vehicles. J. G. Lindeman. 1,751,010; Mar. 18.
 Wheel mounting for vehicles. F. R. Fageol. 1,773,979; Aug. 26.
 Wheel mounting, Multiple-grinding-. A. P. Steiner. 1,775,004; Sept. 2.
 Wheel naves and similar articles, Pressing. K. Lohs. 1,756,160; Apr. 29.
 Wheel of passenger aerial cableways, Running. M. Müller. 1,780,627; Nov. 4.
 Wheel or pulley for band saws. A. G. Carter. 1,765,402-3; June 24.
 Wheel parts, Welding. J. W. Meadowcroft. 1,749,917; Mar. 11.
 Wheel post or bearing support, Bull-. W. O'Brien. 1,757,780; May 6.
 Wheel puller. F. Carl. 1,750,702; Mar. 18.
 Wheel puller. A. L. Cornwell. 1,764,243; June 17.
 Wheel puller. G. W. Grebenstein. 1,782,037; Nov. 18.
 Wheel puller. P. C. Grover. 1,750,840; Mar. 18.
 Wheel puller. W. Uebelhoer. 1,780,888; Nov. 4.
 Wheel puller, Gear-. W. G. Opel. 1,787,016; Dec. 30.
 Wheel, pulley, and gear puller. C. Tilssner. 1,756,891; Apr. 29.
 Wheel rake, Hand operated. F. M. Mehl. 1,763,473; June 10.
 Wheel retainer. M. L. Bowers. 1,784,330; Dec. 9.
 Wheel-rim lock. B. V. von Senden. 1,751,779; Mar. 25.
 Wheel-rounding apparatus, Gear-. T. Staurup. 1,749,787; Mar. 11.
 Wheel scraper. T. A. Chapman. 1,743,530; Jan. 14.
 Wheel spider, Demountable. A. S. Van Halteren. 1,786,794; Dec. 30.
 Wheel spiders, Apparatus for making. I. H. Judd. 1,750,521; Mar. 11.
 Wheel spiders, Manufacturing. I. H. Judd. 1,750,522; Mar. 11.
 Wheel spoke and rim connection. A. L. Putnam. 1,757,332; May 6.
 Wheel structure. E. E. Einfeldt. 1,753,237; Apr. 8.
 Wheel structure. H. P. Nielsen. 1,749,502; Mar. 4.
 Wheel structure, Dual-. F. R. Klaus. 1,769,296; July 1.
 Wheel tightener. L. J. Northern. 1,742,664; Jan. 7.
 Wheel-truing apparatus, Car-. W. P. Reed and R. C. May. 1,748,585; Feb. 25.
 Wheel with piston-springs tire, Combination. C. Colagiuri. 1,763,599; June 10.
 Wheel yoke. A. R. Pribil. 1,747,319; Feb. 18.
 Wheeled toy. A. C. Carlson. 1,778,143; Oct. 14.
 Wheels acting either as motors or as propellers, Hydraulic. A. De Spuches Principe di Galati. 1,761,818; June 3.
 Wheels, Adapter for segmental abrasive. F. O. Hoagland. 1,743,604; Jan. 14.
 Wheels and axles, Adjusting automobile. G. A. Bells. 1,743,091; Jan. 14.
 Wheels, Apparatus for and method of fabricating. J. W. Hughes. 1,784,445; Dec. 9.
 Wheels, Apparatus for making cast-metal. F. W. Burger. 1,765,755; June 24.
 Wheels, Attachment for traction. W. J. Lewin. 1,785,452; Dec. 16.
 Wheels, Device for fastening vehicle. R. Zerbone. 1,777,242; Sept. 30.
 Wheels, Device for regulating wind. E. Hesse. 1,757,667; May 6.
 Wheels, Dressing device for abrasive. J. Maickel. 1,766,029; June 24.
 Wheels, Felley portion of. W. E. Williams. 1,761,284; June 3.
 Wheels, Finishing. F. B. Bell. 1,742,193; Jan. 7.
 Wheels, Forming. L. E. Waite. 1,774,118; Aug. 26.
 Wheels, Forming vehicle. W. N. Booth. 1,748,631; Feb. 25.
 Wheels, Hand-grad attachment for steering. J. C. Freeman. 1,784,230; Dec. 9.
 Wheels, Making. L. D. Kay. 1,779,476; Oct. 28.
 Wheels, Making. T. E. Murray, jr. 1,776,081; Sept. 16.
 Wheels, Making. R. G. Nelson. 1,774,660; Sept. 2.
 Wheels, Making. H. H. Williams. 1,772,273; Aug. 5.
 Wheels, Making cast-metal. F. W. Burger. 1,765,754; June 24.
 Wheels, Making metal. E. C. Mogford and F. W. Burger. 1,759,059; May 20.
 Wheels, Making wire. J. G. Swain. 1,787,128; Dec. 30.
 Wheels, Manufacture of. D. M. White. 1,743,644; Jan. 14.
 Wheels, Method of and apparatus for truing serrated grinding. B. M. W. Hanson. 1,764,043; June 17.
 Wheels or other elements from their bearings, Device for removing. J. S. Imlach. 1,782,303; Nov. 18.
 Wheels, Precision dressing apparatus for grinding. G. Weidner. 1,784,216; Dec. 9.
 Wheels, Safety emergency attachment for. J. P. Spicer. 1,760,666; May 27.
 Wheels to shafts, Attaching. S. R. Puffer. 1,771,349; July 22.
 Wheels, Traction attachment for vehicle. F. Rightmire. 1,784,681; Dec. 9.
 Wheels, Traction device for. C. Passegga. 1,754,569; Apr. 15.
 Whey products, Making. N. L. Simmons. 1,763,633; June 10.
 Whip, Greens. E. M. Laing. 1,748,354; Feb. 25.
 Whipper and mixer. W. L. Laib. 1,783,437; Dec. 2.
 Whipping device. J. Wegner. 1,762,003; June 3.
 Whirl burner. F. Lilje. 1,781,236; Nov. 11.
 Whirligig. P. S. Coles. 1,784,179; Dec. 9.
 Whisk whip. A. S. Dawson. 1,786,603; Dec. 30.
 Whistle. B. H. Hartley. 1,765,153; June 17.
 Whistle. B. R. Petrie. 1,748,460; Feb. 25.
 Whistle, Exhaust. J. Evich. 1,786,905; Dec. 30.
 Whistle, Locomotive. C. T. McElvaney, jr., and E. P. Goding. 1,786,122; Dec. 23.
 Whistle-operating mechanism. H. Baxter. 1,779,838; Oct. 28.
 Whistle, Rescue. T. Kreill. 1,758,840; May 13.
 Whistle, Ship's. C. B. Mills. 1,753,155; Apr. 1.
 Wick, Lamp. W. B. Engh. 1,743,198; Jan. 14.
 Wick lifter. A. B. Hensley. 1,774,795; Sept. 2.
 Wide-spread. H. C. Hollinger. 1,764,956; June 17.
 Width-maintaining wheel. J. L. Drake. 1,759,225; May 20.
 Wigwag stop signal. W. E. Signor. 1,751,018; Mar. 18.
 Winch. T. A. East. 1,754,786; Apr. 15.
 Winch. R. F. Symonds. 1,746,060; Feb. 4.
 Winch drum. A. Lang. 1,782,358; Nov. 18.

- Wind and waterproof fixture. R. A. Flint. 1,780,420; Nov. 4.
- Windbreak. F. A. Reid. 1,768,000; June 24.
- Wind deflector. C. A. Raffrey. 1,778,276; Oct. 14.
- Wind-exposed surface. E. B. Carns. 1,779,113; Oct. 21.
- Wind instrument. J. M. Dollison. 1,773,965; Aug. 26.
- Wind instrument. L. Rives. 1,750,051; Mar. 11.
- Windmill. J. W. Matthews. 1,779,743; Oct. 28.
- Windmill. M. M. Titterton. 1,770,328; July 8.
- Windmill. A. B. Willenbring. 1,782,280; Nov. 18.
- Windmill regulator. L. Constantin. 1,778,794; Oct. 21.
- Windmill wheel. A. C. Ackerman. 1,776,211; Sept. 16.
- Wind screen for motor vehicles and the like. H. Austin. 1,775,083; Sept. 9.
- Windshield. W. S. Pritchard. 1,780,096; Oct. 28.
- Windshield and adjusting mechanism therefor. A. B. Beitman. 1,769,172; July 1.
- Windshield, Auxiliary. A. C. Lillie. 1,777,569; Oct. 7.
- Windshield cleaner. F. Creighton. Re17,730; July 15.
- Windshield cleaner. H. Hueber. 1,778,256; Oct. 14.
- Windshield cleaner, Automatic. H. Hueber. 1,777,142; Sept. 30.
- Windshield-cleaner motor. A. L. Just. 1,777,799; Oct. 7.
- Windshield-cleaner motor. J. L. Nilson and J. F. Prince. 1,781,190; Nov. 11.
- Windshield-cleaner-operating mechanism. J. L. Nilson and J. F. Prince. 1,781,697; Nov. 18.
- Windshield clear-vision method and device. J. D. Morgan. 1,770,363; July 8.
- Windshield construction. A. T. Potter. 1,777,326; Oct. 7.
- Windshield heater. O. L. Schanbacher. 1,778,278; Oct. 14.
- Windshield heater, Electric. J. H. Yonan. 1,768,727; July 1.
- Windshield-operating mechanism. W. S. Pritchard. 1,778,812; Oct. 21.
- Wind-vane device for various applications. L. Constantin. 1,777,282; Oct. 7.
- Wind wheel, Illuminated. J. A. A. Genest. 1,747,433; Feb. 18.
- Winder. H. L. Firtion. 1,748,119; Feb. 25.
- Winder for hair curlers, Self-. L. Ingrassia. 1,763,655; June 17.
- Winding and unwinding device for the handling of very long films. A. Rouiller. 1,774,847; Sept. 2.
- Winding attachment. S. C. Turner. 1,748,258; Feb. 25.
- Winding device. P. Kunin and I. E. McElroy. 1,759,265; May 20.
- Winding device, Electromechanical spring-. G. Mombur. 1,773,112; Aug. 19.
- Winding drum and fastening hoisting cables thereto. R. A. and G. P. Monnier. 1,767,938; June 24.
- Winding engine. J. R. McGiffert. 1,774,389; Aug. 26.
- Winding, knitting, and similar machines, Multitreading attachment for. G. S. Weinerth. 1,776,529; Sept. 23.
- Winding machine. J. A. Anderson. 1,777,244; Sept. 30.
- Winding machine. J. A. Cameron and G. B. Rickard. 1,759,538; May 20.
- Winding machine. A. E. Collins. 1,768,190; June 24.
- Winding machine. M. B. Grout. 1,753,187; Apr. 1.
- Winding machine. N. Marcalus. 1,776,263; Sept. 23.
- Winding machine. H. D. Tracy. 1,781,770; Nov. 18.
- Winding machine, Multiple-tape-. P. Wieghardt. 1,743,298; Jan. 14.
- Winding machine, Package-. J. O. McKean. 1,763,246; June 10.
- Winding machines, Counterweighting device for. J. A. Cameron. 1,785,934; Dec. 23.
- Winding machines, Traversing means for. F. A. Reece. 1,749,355; Mar. 4.
- Winding means. A. F. Klasing. 1,749,950; Mar. 11.
- Winding mechanism. A. F. Klasing. 1,749,949; Mar. 4.
- Winding mechanism for time-clock stamps. F. H. Luense. 1,769,587; July 1.
- Winding mechanism particularly adapted for pattern-setting frames. B. Hall and E. F. Hathaway. 1,752,738; Apr. 1.
- Winding of endless bands, Apparatus for the. L. Kolm. 1,753,153; Apr. 1.
- Windlass. O. Melbye. 1,754,691; Apr. 15.
- Windlass. L. B. Neighbour. 1,759,062; May 20.
- Windmill. J. Henderson. 1,787,072; Dec. 30.
- Windmill. V. S. Hollingsworth. 1,752,847; Apr. 1.
- Windmill. J. Lacuona. 1,766,391; June 24.
- Windmill. F. A. Pfeifer. 1,764,052; June 17.
- Windmill. L. S. Stripling. 1,757,849; May 6.
- Windmill. H. Terhorst. 1,746,620; Feb. 11.
- Windmill drive. H. E. Bucklen. 1,755,422; Apr. 22.
- Windmill, Electric. H. E. Bucklen. 1,746,991; Feb. 11.
- Wind motor. C. E. Sargent. 1,744,924; Jan. 28.
- Wind motor. W. S. Schlotzhauer. 1,754,698; Apr. 15.
- Window. E. W. Abrahamson. 1,762,460; June 10.
- Window. J. Brogden. 1,768,740; July 1.
- Window. F. E. Domscheit. 1,750,747; Mar. 18.
- Window. J. F. Donnelly. 1,770,571; July 15.
- Window. D. J. Dunbar. 1,769,338; July 1.
- Window. J. H. Fennessy. 1,749,666; Mar. 4.
- Window. H. B. Foresman. 1,752,271; Mar. 25.
- Window. B. L. Ingram and W. H. De Long. 1,759,790; May 20.
- Window. L. Janeczko. 1,757,048; May 6.
- Window. K. Kato. 1,771,222; July 22.
- Window. A. Kotler. 1,778,978; Oct. 21.
- Window. M. R. McCarty. 1,744,980; Jan. 28.
- Window. J. R. Roy. 1,760,170; May 27.
- Window. J. F. Ruth. 1,754,439; Apr. 15.
- Window. H. J. Schlacks. 1,765,543; June 24.
- Window adjuster and latch, Casement-. J. Belanger. 1,771,073; July 22.
- Window and door. H. Rice and G. A. Mutch. 1,751,358; Mar. 18.
- Window and door frame. F. C. Andersen. Re17,552; Jan. 7.
- Window and door frame. F. C. Andersen. 1,767,569; June 24.
- Window and like structure, Sliding-sash. C. M. Cruickshank. 1,777,604; Oct. 7.
- Window and sashes, Sliding and swinging. E. Leindorf and N. P. Norman. 1,763,896-7; June 17.
- Window and screen, Combination. C. M. Wittmann. 1,785,663; Dec. 16.
- Window and screen mounting, Swinging. E. W. Cummings. 1,753,504; Apr. 8.
- Window and screen therefor. A. J. Vincent. 1,755,801; Apr. 22.
- Window and the like, Automobile. S. O. Ballentine. 1,767,783; June 24.
- Window and ventilator, Combined. F. Ehrsam. 1,777,198; Sept. 30.
- Window antirattler and fastener. C. Fister. 1,766,332; June 24.
- Window attachment. N. A. Mears. 1,743,369; Jan. 14.
- Window, Awning-type. J. J. Donovan and E. F. Wiley. 1,776,620; Sept. 23.
- Window box. J. C. Kelley. 1,769,740; July 1.
- Window, Casement. H. T. Carswell. 1,744,158; Jan. 21.
- Window, Casement. K. F. Jorss. 1,745,016; Jan. 28.
- Window, Casement. W. Roper. 1,742,864; Jan. 7.
- Window, Casement. H. E. White. 1,778,134; Oct. 14.
- Window casing. R. Monsch. 1,769,531; July 1.
- Window channel. D. A. Greene. 1,748,216; Feb. 25.
- Window cleaner. T. J. O'Neill. 1,758,530; May 13.
- Window cleaner. R. Rees. 1,751,057; Mar. 18.
- Window cleaner. C. J. Thatcher. 1,758,723; May 13.
- Window cleaner, Automatic. K. E. Schubert. 1,766,550; June 24.
- Window-cleaning device. J. J. Kilbride. 1,755,881; Apr. 22.
- Window-cleaning device, Two-sided. S. Schapiro. 1,753,947; Apr. 8.
- Window closer. A. Krueger. 1,756,560; Apr. 29.
- Window-closing device. F. Schierghofer. 1,752,854; Apr. 1.
- Window, Collapsible. F. P. Riddell and J. F. Johnson. 1,773,241; Aug. 19.
- Window construction. M. G. Brumbach. 1,767,343; June 24.
- Window construction. L. M. Caldwell. 1,747,576; Feb. 18.
- Window construction. G. R. Carl. 1,750,703; Mar. 18.
- Window construction. A. Ezgeta and C. D. Flamm. 1,755,435; Apr. 22.
- Window construction. A. C. Fast. 1,774,088; Aug. 26.
- Window construction. F. Hamilton. 1,754,316; Apr. 15.
- Window construction. A. H. Klim, E. Johnson, A. Nelson, A. O. Belin, and A. L. Lundsten. 1,750,110; Mar. 11.
- Window construction. C. A. Lewis. 1,744,394; Jan. 21.
- Window construction. G. A. McCuean. 1,761,892; June 3.
- Window construction. B. Miller. 1,767,600; June 24.
- Window construction. E. Mini. 1,748,493; Feb. 25.
- Window construction. R. E. Morris. 1,759,705; May 20.
- Window construction. M. J. Pafil. 1,765,442; June 24.
- Window construction. W. M. Richter. 1,783,483; Dec. 2.
- Window construction, Car-. K. F. Nystrom. 1,755,223; Apr. 22.
- Window construction, Double-hung reversible metal-. W. C. Lea. 1,760,072; May 27.
- Window construction, Swinging-. W. Dreusike. 1,750,664; Mar. 18.
- Window-control mechanism. E. J. Cook. 1,747,427; Feb. 18.
- Window cushion. F. A. Best. 1,751,786; Mar. 25.
- Window-display fixture. A. Ashkenas. 1,769,096; July 1.
- Window-drape illuminator. F. W. Steinmeyer. 1,786,787; Dec. 30.
- Window fixture. H. C. Boe. 1,776,764; Sept. 23.
- Window fixture. P. Borowik. 1,748,054; Feb. 25.
- Window fixture. M. L. Kall. 1,752,743; Apr. 1.
- Window, Folding metal. S. U. Barr. 1,746,983; Feb. 11.
- Window for armored cars, Bulletproof. J. Holan. 1,745,299; Jan. 28.
- Window for automobile doors, Signal. C. H. Wallace. 1,785,796; Dec. 23.
- Window for motor cars and other vehicles. L. H. Tassell. 1,771,322; July 22.
- Window for ships' hulls, Protected. J. Trumpy. 1,750,695; Mar. 18.
- Window for vehicles, Sliding. G. Kutzner. 1,757,639; May 6.
- Window frame. M. T. Clark and J. R. Montgomery. 1,758,885; May 13.
- Window frame. W. H. Cox. 1,742,435; Jan. 7.
- Window frame. L. B. Reeb. 1,784,751; Dec. 9.
- Window frame. C. Reifschneider. 1,768,001; June 24.
- Window frame, Building. J. G. Jonson. 1,753,152; Apr. 1.
- Window frame, Collapsible. C. Mattson. 1,783,910; Dec. 2.
- Window frame, Door. E. J. Deisley. 1,767,517; June 24.
- Window-frame machine. S. Madsen. 1,766,296; Apr. 29.

- Window frame, Screen-guiding. A. J. Vincent. 1,772,765; Aug. 12.
- Window guard. K. O. and L. M. Schauman. 1,762,424; June 10.
- Window guard, Burglar-proof. C. A. Hughes and E. J. Thole. Des. 81,239; May 27.
- Window guide. R. T. Griffiths. 1,751,733; Mar. 25.
- Window-guide construction for removable sashes. R. T. Axe. 1,764,599; June 17.
- Window guide, Flock-coated. H. D. Randall. 1,772,912; Aug. 12.
- Window half screen. D. E. Shrauger. 1,779,860; Oct. 28.
- Window installation, Curtain-. A. S. Campbell. 1,745,148; Jan. 28.
- Window jack. I. Steinman. 1,779,782; Oct. 28.
- Window lift for automobiles, Electrical. G. H. Volle. 1,750,736; Mar. 18.
- Window lock. C. Grosse. 1,747,707; Feb. 18.
- Window lock. C. Vitale. 1,763,914; June 17.
- Window lock, Ventilating. A. Primas. 1,780,274; Nov. 4.
- Window, Metal. J. E. Dennis. 1,772,132; Aug. 5.
- Window, Metal. A. M. Lane. 1,748,986; Mar. 4.
- Window modeling device, Automatic. H. Popelsky. 1,775,498; Sept. 9.
- Window-operating device. J. W. Frank. 1,773,353; Aug. 19.
- Window-operating device. C. Hilmer. 1,756,357; Apr. 29.
- Window-operating mechanism. P. S. Geuss. 1,754,623; Apr. 15.
- Window operator. J. A. Stewart. 1,748,662; Feb. 25.
- Window operator, Casement. J. Lindsay. 1,771,543; July 29.
- Window operator, Casement-. C. E. Spencer and O. W. Roberts. 1,744,341; Jan. 21.
- Window, Pivoted. H. F. A. Wachter. 1,750,914; Mar. 18.
- Window portal. M. F. Brennan. 1,746,518; Feb. 11.
- Window, Pullman. W. S. Pritchard. 1,770,551; July 15.
- Window-regulating mechanism. J. Ledwinka. 1,747,587; Feb. 18.
- Window regulator. P. O. Borgeson. 1,772,659; Aug. 12.
- Window regulator. B. J. Goldsmith, E. Koeb, and A. Brieche. 1,751,993; Mar. 25.
- Window regulator. C. E. Jeffers. 1,750,715; Mar. 18.
- Window regulator. H. A. Myers. 1,769,156; July 1.
- Window regulator. H. A. Myers. 1,785,784; Dec. 23.
- Window regulator. S. W. Nicholson. 1,752,688; Apr. 1.
- Window regulator. S. W. Nicholson. 1,772,755-6; Aug. 12.
- Window-regulator adjustment. C. O. Ball. 1,783,933; Dec. 2.
- Window-regulator handle. J. L. Brownell. Des. 82,899; Nov. 25.
- Window-regulator handle. J. F. Wilson. 1,742,742; Jan. 7.
- Window-regulator handle or the like for an automotive vehicle. B. E. Lemm. Des. 81,542; July 8.
- Window regulators, Retainer for. H. R. Haskins. 1,753,703; Apr. 8.
- Window regulators, Retainer for. C. E. Rickel, G. W. Cramer, and H. B. Haskins. 1,772,759; Aug. 12.
- Window, Reversible. L. B. Taylor. 1,767,022; June 24.
- Window, Sash. A. Pietronigro. 1,787,284; Dec. 30.
- Window screen. G. I. Barclay. 1,750,659; Mar. 18.
- Window screen. J. Blackburn. 1,743,099; Jan. 14.
- Window screen. O. W. Brandes. 1,767,116; June 24.
- Window screen. G. W. Byars. 1,780,461; Nov. 4.
- Window screen. T. Conley. 1,769,177; July 1.
- Window screen. F. F. Haskell. 1,773,731; Aug. 26.
- Window screen. H. Higgin. 1,754,018; Apr. 8.
- Window screen. B. E. Hinkle. 1,775,526; Sept. 9.
- Window screen. E. Kohlmeier. 1,769,264; July 1.
- Window screen. L. Kolano and T. Palka. 1,760,416; May 27.
- Window screen. L. Levi. 1,783,732; Dec. 2.
- Window screen. A. W. Lovejoy. 1,758,955; May 20.
- Window screen. J. J. Ritter. 1,742,560; Jan. 7.
- Window screen. E. P. Rupperecht. 1,775,657; Sept. 16.
- Window screen. A. Sonafelt. 1,778,986; Oct. 21.
- Window screen. M. E. Stern. 1,781,202; Nov. 11.
- Window screen. J. M. and K. A. Trombly. 1,745,818; Feb. 4.
- Window screen. H. B. Trott. 1,760,612; May 27.
- Window screen. P. Warnick. 1,756,496; Apr. 29.
- Window screen, Adjustable. G. J. Corporon. 1,781,654; Nov. 11.
- Window screen, Adjustable. R. Kownatzky. 1,756,030; Apr. 29.
- Window screen, Adjustable. M. E. Noyes. 1,762,884; June 10.
- Window screen, Automobile. E. Baron. 1,757,896; May 6.
- Window screen, curtain, and the like. H. W. Valentine. 1,746,723; Feb. 11.
- Window screen, Knockdown. J. Buxbaum. 1,755,866; Apr. 22.
- Window screen, Outside. C. W. Harring. 1,779,845; Oct. 28.
- Window screen, Rolling. J. Panico. 1,779,915; Oct. 28.
- Window screen, Separable. J. P. Hamel. 1,744,267; Jan. 21.
- Window-screen structure. K. F. Jorss. 1,782,853; Nov. 25.
- Window, Screened. A. C. D'Alfonso. 1,779,062; Oct. 21.
- Window, Screened. A. M. Lane. 1,781,401; Nov. 11.
- Window seat. W. S. Lucas. 1,748,845; Feb. 25.
- Window seat and refrigerator, Combined. M. Mizrahi. 1,754,640; Apr. 15.
- Window-shade fixture. C. H. Wood. 1,754,661; Apr. 15.
- Window, Sheet-metal. G. W. Lancaster. 1,743,783; Jan. 14.
- Window-sill fixture. J. A. Berglund and R. Forson. 1,746,577; Feb. 11.
- Window, Sliding and swinging. B. Paul. 1,781,858; Nov. 18.
- Window stop. N. L. Shankland. 1,769,470; July 1.
- Window stop. G. A. Wilbur. 1,752,218; Mar. 25.
- Window, Storm. W. C. Leber. 1,776,160; Sept. 16.
- Window, Storm. O. L. Martin. 1,742,405; Jan. 7.
- Window structure. W. J. Klemm. 1,762,993; June 10.
- Window structure. J. F. Massey. 1,766,392; June 24.
- Window structure. B. A. Morton. 1,774,808; Sept. 2.
- Window structure. J. B. Saunders and J. Kranig. 1,754,122; Apr. 8.
- Window structure. A. H. Schaffert. 1,758,893-4; May 13.
- Window ventilator. F. M. Andres. 1,749,093; Mar. 4.
- Window ventilator. F. A. Bailey. 1,769,484; July 1.
- Window ventilator. F. M. Conner. 1,769,335; July 1.
- Window ventilator. W. B. Hamilton. 1,785,682; Dec. 16.
- Window ventilator. E. R. Herren. 1,748,552; Feb. 25.
- Window ventilator. A. T. Johanson. 1,744,387; Jan. 21.
- Window ventilator. C. R. Johnson. 1,754,559; Apr. 15.
- Window ventilator. H. H. Lee. 1,752,913; Apr. 1.
- Window ventilator. J. Majuschak. 1,782,098; Nov. 18.
- Window ventilator. L. Pomrenke. 1,770,945; July 22.
- Window ventilator. W. Strom. 1,765,745; June 24.
- Window ventilator, Metal-sash. F. Schueler. 1,745,121; Jan. 28.
- Window ventilator, Self-closing. R. H. Procter. 1,776,370; Sept. 23.
- Window, Vertically-slidable inwardly-swinging. J. G. Kramer. 1,749,589; Mar. 4.
- Windows, Apparatus for operating vertically-sliding. C. T. Weymann. 1,743,990; Jan. 14.
- Windows, Condensation preventer for. E. C. Horton. 1,774,374; Aug. 26.
- Windows, Head construction for automobile. H. M. Hood. 1,763,522; June 10.
- Windows, Mechanism for raising and lowering sliding. E. Ettore. 1,756,638; Apr. 29.
- Windows, Protective device for vehicle. M. S. Watson. 1,745,652; Feb. 4.
- Windows, Roll-screen installation for casement. H. Dixon. 1,745,208; Jan. 28.
- Windows, Self-acting mechanism for operating sliding. J. H. Piper. 1,746,442; Feb. 11.
- Windshield. F. G. Halbig. 1,757,769; May 6.
- Windshield. J. A. Johnson. 1,758,703; May 13.
- Windshield. H. S. Pierce. 1,745,710; Feb. 4.
- Windshield. H. T. Thomas. 1,761,161; June 3.
- Windshield clarifier. L. Askam. 1,783,270; Dec. 2.
- Windshield cleaner. E. H. Couch and I. W. Robinson. 1,743,599; Jan. 14.
- Windshield cleaner. J. R. Oishei. 1,768,329; June 24.
- Windshield cleaner. J. R. Oishei and H. Hueber. 1,745,114; Jan. 28.
- Windshield cleaner. J. R. Oishei, H. Bueber, W. Paulus, and E. C. Horton. 1,783,582; Dec. 2.
- Windshield cleaner. C. R. Peirson. 1,766,529; June 24.
- Windshield cleaner. E. A. Turner. 1,749,049; Mar. 4.
- Windshield cleaner and heater. H. C. Roof. 1,752,615; Apr. 1.
- Windshield-cleaner mounting. J. R. Oishei. 1,749,441; Mar. 4.
- Windshield-clearing device. A. W. Becker. 1,786,932; Dec. 30.
- Windshield construction. J. Ledwinka. 1,767,463; June 24.
- Windshield for vehicle wheels. C. H. Roth. 1,743,074; Jan. 7.
- Windshield, Full-vision. F. Kohlberger. 1,743,147; Jan. 14.
- Windshield heater. W. G. Wohlhuter. 1,752,715; Apr. 1.
- Windshield-operating device. A. T. Potter. 1,757,474; May 6.
- Windshield regulator. H. C. Field and E. G. Simpson. 1,763,695; June 17.
- Windshield screen. E. B. Clement and R. J. Thompson. 1,766,055; June 24.
- Windshield screen. L. E. Ike, A. Langren, D. Hutson, and L. H. Latta. 1,759,311; May 20.
- Windshield-solution feeder. A. P. Lunney and F. L. Peart. 1,753,934; Apr. 8.
- Windshield warmer. E. A. Rinehart. 1,743,395; Jan. 14.
- Wing brace arrangement for railroad spreaders. V. G. Tellis. 1,765,855; June 24.
- Wing for aircraft. E. B. Carns. 1,781,159; Nov. 11.
- Wing-post and carriage structure for railroad spreaders. V. G. Tellis. 1,765,854; June 24.
- Wing structure for airplanes. W. C. Lambert. 1,785,818; Dec. 16.
- Wing structure for airplanes, Variable-area. H. M. Salisbury and A. E. Miller. 1,764,122; June 17.
- Wing structure, Sustaining. W. F. Gerhardt. 1,779,842; Oct. 28.
- Wing system with stabilizing vanes for aircraft. L. H. Crook. 1,767,966; June 24.
- Wings having single spars, Attaching on a fuselage. E. J. E. Dewoitine. 1,766,376; June 24.

- Wiper and ice remover, Combined windshield. W. J. Hobbins. 1,763,153; June 10.
- Wiper and laminated structure developed in its manufacture. G. L. Abbott. 1,770,896; July 22.
- Wiper and oil-saving device, Sucker-rod. G. L. Fuller. 1,773,137; Aug. 19.
- Wiper, Automatic windshield. A. M. Geremia. 1,743,713; Jan. 14.
- Wiper, Automatic windshield. R. B. Gray. 1,746,528; Feb. 11.
- Wiper, Barber's resilient razor. S. C. Vaught. 1,761,375; June 3.
- Wiper blade, Windshield-. W. H. Ives. 1,756,751; Apr. 29.
- Wiper blades, Method and apparatus for making rubber. A. W. Phelps. 1,761,534; June 3.
- Wiper element and construction, Windshield. R. D. Sarver. 1,786,457; Dec. 30.
- Wiper for oil gauges. J. V. Shoemaker. Des. 81,305; June 3.
- Wiper, Heated windshield. R. N. Colley. 1,745,246; Jan. 28.
- Wiper, Label. A. P. Ekvall. 1,786,940; Dec. 30.
- Wiper, Mouth. H. G. Guire and A. L. Chalfonte. 1,750,402; Mar. 11.
- Wiper, Oil-gauge. W. O. Davis. 1,770,300; July 8.
- Wiper, Oil-gauge. A. O. Holveck, jr. 1,759,788; May 20.
- Wiper, Oil-gauge. F. N. Meyers. 1,770,420; July 15.
- Wiper, Oil-gauge-rod. A. W. Ashworth. 1,747,100; Feb. 11.
- Wiper, Oil-gauge-rod. J. Ruffing, sr. 1,780,505; Nov. 4.
- Wiper, Oil-rod. C. Adam. 1,767,954; June 24.
- Wiper or cleaner for printing presses and similar machines, Roll. G. Ullring. 1,756,841; Apr. 29.
- Wiper, Rod. G. H. Morland. 1,747,592; Feb. 18.
- Wiper, Window. H. and C. H. Waggoner. 1,775,231; Sept. 9.
- Wiper, Windshield. J. W. Anderson. 1,777,541; Oct. 7.
- Wiper, Windshield. C. H. Berill. 1,747,284; Feb. 18.
- Wiper, Windshield. C. H. Berill. 1,771,703; July 29.
- Wiper, Windshield. J. Brown and W. D. Vredenburg. 1,748,055; Feb. 25.
- Wiper, Windshield. G. G. Carlson. 1,778,245; Oct. 14.
- Wiper, Windshield. P. E. Cloud. 1,774,356; Aug. 26.
- Wiper, Windshield. M. E. Cogswell. 1,748,755; Feb. 25.
- Wiper, Windshield. H. Dolan. 1,785,113; Dec. 16.
- Wiper, Windshield. W. H. Farr. 1,766,988; June 24.
- Wiper, Windshield. E. J. Gallagher. 1,755,059; Apr. 15.
- Wiper, Windshield. A. F. Gillet. 1,753,651; Apr. 8.
- Wiper, Windshield. W. B. Gray. 1,764,868; June 17.
- Wiper, Windshield. C. J. Kimmick, jr. 1,750,524; Mar. 11.
- Wiper, Windshield. C. L. Knapp. 1,742,357; Jan. 7.
- Wiper, Windshield. H. A. McGowan. 1,753,713; Apr. 8.
- Wiper, Windshield. J. J. Montevaldo. 1,766,224; June 24.
- Wiper, Windshield. F. A. Reinhard. 1,742,823; Jan. 7.
- Wiper, Windshield. H. Schroder. 1,765,806; June 24.
- Wiper, Windshield. W. Storrie. 1,755,155; Apr. 15.
- Wiper, Windshield. E. B. Tarver. 1,779,344; Oct. 21.
- Wiper, Windshield. T. A. Zielinski. 1,756,618; Apr. 29.
- Wiping mechanism for plate-printing machines. W. E. Bennisson. 1,774,499; Sept. 2.
- Wire and its manufacture, Woven. M. H. Durand. 1,784,786; Dec. 9.
- Wire and making the same, Pile. C. Schlemper. 1,748,522; Feb. 25.
- Wire and manufacture, Chromium-coated. H. K. Richardson. 1,745,912; Feb. 4.
- Wire and porcelain elements, Manufacturing. F. S. McCullough. 1,761,577; June 3.
- Wire, Apparatus for coating. C. D. Johnson. 1,783,429; Dec. 2.
- Wire-attaching device. W. J. Reinke. 1,772,687; Aug. 12.
- Wire baking pan. W. D. Baumann. 1,772,699; Aug. 12.
- Wire-bending mechanism. D. Kondakjian. 1,778,559; Oct. 14.
- Wire-binding device, Shingle-bundle. V. H. Ross. 1,771,317; July 22.
- Wire casing, Electric. J. M. Berry. 1,746,299; Feb. 11.
- Wire clamp. C. C. Coon. 1,777,395; Oct. 7.
- Wire clip. L. S. Peck. 1,745,332; Jan. 28.
- Wire cloth and forming seams therein, Woven-. N. W. Webb. 1,747,273; Feb. 18.
- Wire-cloth covering for pressing-machine elements, Woven-. G. F. Simpson. Re17,883; Nov. 25.
- Wire, Coating. C. D. Johnson. 1,771,379; July 22.
- Wire connector. R. A. Becker. 1,769,101; July 1.
- Wire connection, Dead-end. W. H. B. Lavarack and R. Patterson. 1,772,184; Aug. 5.
- Wire cutter. E. W. Drennan. 1,748,869; Feb. 25.
- Wire cutter. A. A. Johnson. 1,767,077; June 24.
- Wire cutter, Pile. M. B. Behrman. 1,775,928; Sept. 16.
- Wire-cutting mechanism. A. W. Johnson. 1,783,620; Dec. 2.
- Wire-drawing apparatus. F. Honig. 1,772,948; Aug. 12.
- Wire-drawing apparatus. S. McMullan and A. E. Schulz. 1,765,437; June 24.
- Wire-drawing machine, Continuous. R. L. Morgan. 1,746,490; Feb. 11.
- Wire, Enameling. R. H. Kienle. 1,747,940; Feb. 18.
- Wire-end-splicing device and connecting guard. E. T. Franzen. 1,763,298; June 10.
- Wire fabric. E. F. Pink. 1,775,050; Sept. 2.
- Wire fabric. W. H. Sommer. 1,760,447; May 27.
- Wire fabric, Chain link. A. A. G. Land. 1,784,453; Dec. 9.
- Wire fabrics, Making. W. H. Sommer. 1,783,948; Dec. 2.
- Wire-fastening means. A. H. Price. 1,774,212; Aug. 26.
- Wire feeding, Method and apparatus for continuous. C. F. Bailey. 1,787,301; Dec. 30.
- Wire-fence machine. W. H. Sommer. 1,783,946; Dec. 2.
- Wire fencing, Manufacture of. J. W. Snedeker. 1,742,620; Jan. 7.
- Wire guard. E. Burke. 1,765,823; June 24.
- Wire guard. J. Mainello and J. P. Bacca. 1,759,125; May 20.
- Wire joints, Apparatus for testing open. T. C. Henneberger. 1,745,419; Feb. 4.
- Wire key for plaster and means to secure same to plaster board. J. S. Raynor. 1,779,949; Oct. 28.
- Wire-loop-bending machine. G. H. Gebhardt. 1,765,228; June 17.
- Wire, Magnesium-covered calcium. W. A. Ruggles. 1,752,813; Apr. 1.
- Wire, Making cement-coated. J. B. Green. 1,783,613; Dec. 2.
- Wire, Making sectional two-component. W. C. Arsem. 1,748,822; Feb. 25.
- Wire mesh, Apparatus for fabricating. M. P. Gebret. 1,776,220; Sept. 16.
- Wire-mesh reenforcement. W. E. Warren. 1,769,361; July 1.
- Wire-netting machine. G. D. Bennett and E. E. Saksa. 1,744,023; Jan. 14.
- Wire or the like, Handling of coils of. M. Morgan. 1,762,304; June 10.
- Wire, Pile. M. B. Behrman. 1,757,509; May 6.
- Wire protective system, Pilot-. H. C. Graves, jr. 1,764,297; June 17.
- Wire puller. L. H. Williams. 1,781,622; Nov. 11.
- Wire reel. J. E. Burnett. 1,756,782; Apr. 29.
- Wire screen, Woven-. A. E. Helman. 1,747,631; Feb. 18.
- Wire screen, Woven-. M. P. Reynolds. 1,767,814; June 24.
- Wire-slack-eliminating device. T. F. Duffey. 1,746,108; Feb. 4.
- Wire splicer. S. J. Jones. 1,754,023; Apr. 8.
- Wire-spring fabric or the like. M. R. Mangan. 1,765,434; June 24.
- Wire-steel-wool machine, Power-driven. W. H. Robbins. 1,766,356; June 24.
- Wire-stitcher head. I. R. Metcalf, G. L. Richardson and J. Wolf. 1,762,235; June 10.
- Wire-stitching machine. H. G. Allen. 1,760,863; June 3.
- Wire-stitching machine. H. G. Allen. 1,765,120; June 17.
- Wire-straightening apparatus. J. Koenig. 1,743,221; Jan. 14.
- Wire-straightening machine. G. F. Matteson. 1,751,094; Mar. 18.
- Wire strand. E. A. Conner. 1,756,972; May 6.
- Wire-stranding machine. M. Nigro and W. H. Blount. 1,784,105; Dec. 9.
- Wire strands, Threading. E. A. Conner. 1,756,973; May 6.
- Wire stretcher. A. Anderson. 1,751,381; Mar. 18.
- Wire stretcher. S. H. Barber. 1,775,059; Sept. 2.
- Wire stretcher. J. S. Gwynne. 1,776,184; Sept. 16.
- Wire stretcher. F. M. Hollingsworth. 1,747,473; Feb. 18.
- Wire stretcher. W. F. Robertson. 1,752,029; Mar. 25.
- Wire stretcher. C. F. Schott, C. E. Luce, and C. W. Johnson. 1,760,918; June 3.
- Wire stretcher and splicer. E. W. Nelson. 1,777,762; Oct. 7.
- Wire-stripping machine. C. B. Mahan and C. M. Weber. 1,784,298; Dec. 9.
- Wire structures and process of making, Attachment for stranded-. E. A. Conner. 1,770,971; July 22.
- Wire-tempering apparatus. A. W. Harris, F. M. Suchke, and J. L. King. 1,754,190; Apr. 8.
- Wire-testing machine. C. C. Sunderland. 1,786,138; Dec. 23.
- Wire-threading machine. L. A. Weston. 1,776,874; Sept. 30.
- Wire-tightening device. M. Abascal. 1,750,252; Mar. 11.
- Wire to packages, Applying. J. P. Nielsen and J. R. Richer. 1,766,035; June 24.
- Wire-twisting apparatus. R. B. Brannaka. 1,752,726; Apr. 1.
- Wire-twisting apparatus. A. Swanbaum. 1,784,318; Dec. 9.
- Wire-twisting device. P. Beghetti. Re17,636; Apr. 8.
- Wire-twisting implement. A. F. Comeau. 1,779,357; Oct. 21.
- Wire-tying machine. M. E. Galvan. 1,744,113; Jan. 21.
- Wire-tying machine. L. M. Harvey. 1,743,855; Jan. 14.
- Wire wheel. W. N. Booth. 1,766,100; June 24.
- Wireworking machine. W. M. Birch. 1,780,374; Nov. 4.
- Wires, Apparatus for mounting. S. M. Viele. 1,756,316; Apr. 29.
- Wires, Device for the tightening of form tie. A. Runden and C. Bruman. 1,744,507; Jan. 21.
- Wiring, Decorative. E. P. Seghers. 1,758,982; May 20.
- Wiring system, Elevator. F. A. Boedter. 1,746,851; Feb. 11.
- Wireless direction-finding apparatus, Indicating angular position, particularly applicable to. J. A. Slee. 1,757,265; May 6.
- Wireless receiver. R. K. Spencer. 1,748,738; Feb. 25.
- Wireless receiving apparatus. A. H. Mackley and W. S. Flight. 1,769,443; July 1.
- Wireless receiving set for compensating disturbances. S. Loewe. 1,751,588; Mar. 25.

- Wireless receiving system. W. T. Lewis. 1,774,834; Sept. 2.
- Wireless system. M. Osnos. 1,757,330; May 6.
- Wireless system. Wired. L. C. Grant. 1,774,969; Sept. 2.
- Withdrawing feeler. O. V. Payne. 1,786,673; Dec. 30.
- Wood and process of treating wood, Impregnated. J. R. Coolidge, 3d. 1,766,606; June 24.
- Wood-bending machine. C. W. Elliott. 1,754,549; Apr. 15.
- Wood-bending machine. C. W. Elliott. 1,783,187; Dec. 2.
- Wood block. C. A. Bruce. 1,779,729; Oct. 23.
- Wood-fiber tissue and preparing same, Mercerized. M. O. Schur and R. H. Rasch. 1,749,003; Mar. 4.
- Wood plies bound by vegetable protein adhesives, Construction unit of. I. F. Laucks and G. Davidson. 1,751,329; Mar. 18.
- Wood preservation. V. R. Abrams. 1,769,983; July 8.
- Wood preservation. H. S. McQuaid. 1,758,958; May 20.
- Wood preservation. H. W. Walker. 1,753,000; Apr. 1.
- Wood, Preserving. D. Steinherr. 1,777,235; Sept. 30.
- Wood, Process and apparatus for disintegrating. G. H. Ellis. 1,785,544; Dec. 16.
- Wood pulp and product, Treatment of. L. Bradley and E. P. McKeefe. 1,768,823; July 1.
- Wood pulp and the like, Method of and apparatus for drying. R. D. Kehoe. 1,751,552; Mar. 25.
- Wood pulp, cellulose, and similar materials, Manufacturing thick webs of. H. Jensen. 1,756,754; Apr. 29.
- Wood pulp, Producing. G. E. Rice. 1,769,189; July 1.
- Wood, Seasoning. F. S. Shinn. 1,763,070; June 10.
- Wood, Treating. A. P. Allen. 1,785,571; Dec. 16.
- Wood, Treating. F. S. Vivas. 1,768,175; June 24.
- Wood-veneered material, Method of and apparatus for treating flexible. A. Elmendorf. 1,778,250; Oct. 14.
- Wood waste to furnaces, System for feeding. W. E. Allington. 1,746,456; Feb. 11.
- Wood wheel. W. N. Booth. Des. 82,541; Nov. 18.
- Wood wool, Method and machine for manufacturing. K. Erdmann. 1,772,712; Aug. 12.
- Woodwork-channelling machine. J. Boldt. 1,779,206; Oct. 21.
- Woodworking. C. W. Erickson. 1,767,970; June 24.
- Woodworking machine. V. T. Aubertin. 1,763,497; June 10.
- Woodworking machine. W. P. Casey. 1,745,780; Feb. 4.
- Woodworking machine. W. T. Fisk. 1,787,191; Dec. 30.
- Woodworking machine. F. J. Kistner and W. S. Williams. 1,766,650; June 24.
- Woodworking machine. I. S. Lank. 1,744,231; Jan. 21.
- Woodworking machine. O. P. De Reign. 1,778,849; Oct. 21.
- Woodworking machine. P. Salvat. 1,748,366; Feb. 25.
- Woodworking machine. E. Teutsch. 1,784,644; Dec. 9.
- Woodworking machine, Adz-finish ornamental. G. P. Driskell. 1,761,439; June 3.
- Woodworking machine, Electrically-driven. O. Gatzsch. 1,748,446; Feb. 25.
- Woodworking machine, Multiple-saw. F. W. Patton. 1,786,168; Dec. 23.
- Woodworking machines, Guard for. A. W. Stephenson and L. E. Gates. 1,745,194; Jan. 28.
- Woodworking machinery. A. Benedetto. 1,781,429; Nov. 11.
- Woodworking machinery. J. E. Hirst. 1,783,041; Nov. 25.
- Woodworking shaper. T. R. Renwick. 1,742,217; Jan. 7.
- Woodworking unit. F. P. Tessmer. 1,778,967; Oct. 21.
- Wooden construction. W. Greim. 1,786,991; Dec. 30.
- Wooden surfaces, Scraping off. S. Thielmann. 1,786,096; Dec. 23.
- Woods, Distilling resinous. J. C. Schaffer. 1,757,144; May 6.
- Woods, Solvent extraction of. A. D. Little. 1,762,785; June 10.
- Wool and the wool thus treated, Treating. C. A. Brown and G. J. Esselen, jr. 1,749,410; Mar. 4.
- Wool finish on cotton goods, Producing a. R. G. Knowland and G. T. Loveridge. 1,751,089; Mar. 18.
- Wool, fur, rugs, and the like against the attack of moths and products thereof, Protecting. E. Hartmann, M. Hardtmann, and P. Kummel. 1,744,633; Jan. 21.
- Wool, fur, rugs, and the like against the attack of moths and products thereof, Protecting. E. Hartmann, M. Hardtmann, and P. Kummel. 1,766,819; June 24.
- Wool, Manufacture of vegetable. J. J. Lambreth. 1,759,752; May 20.
- Wool, Removing marks on. G. J. M. and R. H. M. Steins. 1,754,338; Apr. 15.
- Wool, Treatment of. L. B. Smith and C. E. Ruby. 1,781,415; Nov. 11.
- Wool with ester salts of leuco compounds of vat dyestuffs, Printing. W. Taussig. 1,784,768; Dec. 9.
- Workbench. H. T. Hallowell. 1,784,726; Dec. 9.
- Workboxes, Lid control for. W. Gillooly. 1,784,518; Dec. 9.
- Work-feeding device. A. S. Liss. 1,744,776; Jan. 28.
- Work guard. W. G. Mueller. 1,755,265; Apr. 22.
- Work handling apparatus. R. J. Emmert. 1,753,560; Apr. 8.
- Workholder. F. L. Borchert. 1,763,685; June 17.
- Workholder. C. S. Hopwood. 1,782,615; Nov. 25.
- Workholding apparatus. W. K. Septer. 1,750,369; Mar. 11.
- Workholding device. A. J. Perry. 1,745,379; Feb. 4.
- Work-holding implement. H. Greenberg. 1,784,589; Dec. 9.
- Work in circular paths, Device for feeding. G. E. Anderson. 1,743,874; Jan. 14.
- Work pack. A. A. Bradley. 1,747,346; Feb. 18.
- Work stand. J. D. Barlow. 1,756,082; Apr. 29.
- Worktable. J. Brogden. Re17,901; Dec. 16.
- Worktable for woodworking machines or the like. L. T. Medholdt. 1,777,412; Oct. 7.
- Work-truing means. F. W. Kremnec. 1,756,293; Apr. 29.
- Worm-generating hob. O. G. Simmons. 1,765,853; June 24.
- Wort, Producing. F. O. Landtblom. 1,770,411; July 15.
- Woven fabric. I. E. Heller. 1,770,134; July 8.
- Woven fabric. F. Schultheiss. Des. 81,028; Apr. 22.
- Woven material and producing the same. C. E. Steiger. 1,757,980; May 13.
- Woven products, Making fiber-filled. C. H. Crowell. 1,758,502; May 13.
- Wrap, All-weather double-service. M. B. Paradise. 1,786,960; Dec. 30.
- Wrapper, Candy. S. W. Reece. 1,743,903; Jan. 14.
- Wrapper, Confection. H. A. Meyer. 1,782,856; Nov. 25.
- Wrapper-folding device. H. H. Wheeler. 1,748,594; Feb. 25.
- Wrapper for a box or carton. H. E. Plishker. Des. 82,758; Dec. 9.
- Wrapper for springs and the like, Protective. D. E. Hennessy. 1,757,633; May 6.
- Wrapper or envelope and guard for frozen confections, Combined. R. F. Brimer. 1,761,703; June 3.
- Wrapping and sealing machine, Package. W. F. Hendry. 1,769,135; July 1.
- Wrapping apparatus. R. Jongedyk. 1,752,489; Apr. 1.
- Wrapping boxes, Method of and apparatus for. T. A. Federwitz. 1,753,824; Apr. 8.
- Wrapping machine. H. W. A. Dixon. 1,783,226; Dec. 2.
- Wrapping machine. S. C. Grunlee. 1,772,143; Aug. 5.
- Wrapping machine. J. A. Lopez. 1,758,798; May 13.
- Wrapping machine. G. D. Ratliff. 1,753,868; Apr. 8.
- Wrapping machine. A. G. Rose. 1,775,212; Sept. 9.
- Wrapping machine. W. C. Stevens. 1,768,338; June 24.
- Wrapping machine. J. Van Buren. 1,746,448; Feb. 11.
- Wrapping machine. J. Van Buren. 1,752,762; Apr. 1.
- Wrapping machine, Automatic. C. H. L. Jones and W. J. Hussey. 1,764,081; June 17.
- Wrapping machine, Bead-. G. F. Wikle. 1,748,264; Feb. 25.
- Wrapping machine, Brick-. J. J. Schlosser. 1,749,548; Mar. 4.
- Wrapping machine for sweetmeats and the like. R. A. Harris. 1,784,835; Dec. 16.
- Wrapping machine, Lid-. H. B. Kleinsmith, F. R. Neely, and F. W. Doll. 1,784,632; Dec. 9.
- Wrapping machine, Semiautomatic. F. Marasso. 1,787,116; Dec. 30.
- Wrapping machines, Adhesive-applying mechanism for. J. P. Remington. 1,768,488; June 24.
- Wrapping machines, Article feed for. C. Kehling. 1,786,494; Dec. 30.
- Wrapping material, Production of acid-resisting. K. Humpert. 1,765,920; June 24.
- Wreath-making device. G. Pulletts. Re17,559; Jan. 7.
- Wrecker bar. W. F. Henderson. 1,782,506; Nov. 25.
- Wrench: See—
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| Adjustable wrench. | Pipe wrench. |
| Automatic releasing wrench. | Power-driven wrench. |
| Hub-cap wrench. | Ratchet wrench. |
| Multiple wrench. | Semisocket wrench. |
| Nonslipping wrench. | Socket wrench. |
| Nut and pipe wrench. | Spanner wrench. |
| | Tube-flanging wrench. |
- Wrench. L. D. Anderson. 1,781,940; Nov. 18.
- Wrench. L. D. Baird. 1,787,185; Dec. 30.
- Wrench. J. C. Baker. 1,785,925; Dec. 23.
- Wrench. L. G. Bayrer. 1,778,748; Oct. 21.
- Wrench. H. O. Becklin. 1,770,906; July 22.
- Wrench. W. A. Bernard. 1,762,324; June 10.
- Wrench. H. B. Butlin. 1,786,701; Dec. 30.
- Wrench. F. Cook. 1,776,465; Sept. 23.
- Wrench. F. H. Dickson. 1,760,544; May 27.
- Wrench. L. E. Endsley. 1,767,441; June 24.
- Wrench. A. E. Erickson. 1,745,787; Feb. 4.
- Wrench. A. K. Ersland. 1,752,425; Apr. 1.
- Wrench. T. A. Farmer. 1,768,548; July 1.
- Wrench. B. Fraser. 1,771,172; July 22.
- Wrench. C. B. Gartrell. 1,752,430; Apr. 1.
- Wrench. J. A. Giles. 1,747,360; Feb. 18.
- Wrench. G. H. Groves. 1,748,218; Feb. 25.
- Wrench. W. M. Heller. 1,763,353; June 10.
- Wrench. W. R. Holdridge. 1,779,704; Oct. 28.
- Wrench. O. Johnson. 1,754,684; Apr. 15.
- Wrench. J. Koziel. 1,768,988; July 1.
- Wrench. A. J. Layhon. 1,761,988; June 3.
- Wrench. O. Lee. 1,776,792; Sept. 30.
- Wrench. W. Montaney. 1,755,358; Apr. 22.
- Wrench. J. Nation. 1,782,364; Nov. 18.
- Wrench. A. O. North. 1,756,003; Apr. 22.
- Wrench. R. E. Odell. 1,755,486; Apr. 22.
- Wrench. C. V. Peterson. 1,747,527; Feb. 18.
- Wrench. J. Reif. 1,761,586; June 3.
- Wrench. N. R. Rivers. 1,754,050; Apr. 8.
- Wrench. I. C. Saunders. 1,771,692; July 29.
- Wrench. J. J. Schneider and E. Nester. 1,749,002; Mar. 4.
- Wrench. F. Schweigert. 1,766,458; June 24.
- Wrench. A. B. Seilheimer. 1,745,560; Feb. 4.

- Wrench. E. O. Skarke. 1,760,784; May 27.
 Wrench. N. B. Stone. 1,754,062; Apr. 8.
 Wrench. L. Szabo and C. Machata. 1,771,970; July 29.
 Wrench. C. D. Wagner. 1,753,224; Apr. 8.
 Wrench. A. Weisler. 1,782,752; Nov. 25.
 Wrench. E. A. G. Werner. 1,784,123; Dec. 9.
 Wrench. D. B. Wesson. 1,746,452; Feb. 11.
 Wrench. G. Wiedeke. 1,756,717; Apr. 29.
 Wrench. F. M. Wilson. 1,781,994; Nov. 18.
 Wrench. J. Zilliox. 1,764,379; June 17.
 Wrench device. T. M. Wilkins. 1,779,025; Oct. 21.
 Wrench for wheels, Rim. E. A. Nelson. 1,772,192; Aug. 5.
 Wrench or brace, Parallel jaw. W. F. Hobbs and J. A. Anderson. 1,766,174; June 24.
 Wrench outfit. S. Mandl. 1,775,402; Sept. 9.
 Wrenches, Making ratchet. F. A. Haist. 1,761,263; June 3.
 Wrenches, Making socket. W. F. Klein. 1,772,723; Aug. 12.
 Wringer: See—
 Mop wringer.
 Wringer. A. W. Altorfer. 1,759,215; May 20.
 Wringer. F. L. Chamberlain. 1,750,835; Mar. 18.
 Wringer. H. W. Doughty. 1,745,338; Jan. 28.
 Wringer. S. E. Schroeder. 1,759,208; May 20.
 Wringer. E. J. Schuda. 1,779,511-12; Oct. 28.
 Wringer. H. W. Thompson. 1,772,117; Aug. 5.
 Wringer. A. A. Vorndieke. 1,774,774; Sept. 2.
 Wringer and holder, Mop. D. Kenner. 1,783,879; Dec. 2.
 Wringer guard. F. V. La Suer. 1,777,568; Oct. 7.
 Wringers, Feed apron for. F. W. Sigsbey. 1,783,347; Dec. 2.
 Wringers, Safety attachment for. J. Beltler. 1,753,040; Apr. 1.
 Wringers, Safety disengaging mechanism for. W. C. F. Dietz. 1,762,916; June 10.
 Wristband. H. M. Stegeman. 1,761,545; June 3.
 Wristband clasp. A. Eklund. 1,742,464; Jan. 7.
 Wrist pin. R. C. Baker. 1,756,504; Apr. 29.
 Wrist pin. C. L. Seegers. 1,775,054; Sept. 2.
 Wrist-pin puller. H. H. Franks. 1,777,432; Oct. 7.
 Wrist pin, Self-adjusting. C. A. Iselin. 1,754,753; Apr. 15.
 Wrist-watch band. C. J. Heileman. 1,778,455; Oct. 14.
 Wrist-watch strap. G. W. Darling. 1,778,313; Oct. 14.
 Writing appliance for recording apparatus. R. Pudelko. 1,771,272; July 22.
 Writing board. C. C. Hennessy. 1,752,989; Apr. 1.
 Writing device. H. I. Morris. 1,751,941; Mar. 25.
 Writing instrument. G. W. Blackburn. 1,744,720; Jan. 28.
 Writing instrument. M. Escalante. 1,765,219; June 17.
 Writing instrument and making same, Unbreakable. J. F. Hausen. 1,745,483; Feb. 4.
 Writing machines, Margin-adjusting device for. C. Olivetti. 1,748,896; Feb. 25.
 X-ray apparatus. H. Kress. 1,771,759; July 29.
 X-ray apparatus, High-tension switch for. S. Schvacho. 1,747,956; Feb. 18.
 X-ray-centering device. S. Israel. 1,753,151; Apr. 1.
 X-ray dental film package. P. Goldacker and M. Schmidt. 1,783,467; Dec. 2.
 X-ray dental film package. F. C. Martin. 1,748,490; Feb. 25.
 X-ray device. G. Biermann and C. Niemann. 1,757,037; May 6.
 X-ray-exhibit stand. E. B. O'Keefe. 1,776,477; Sept. 23.
 X-ray machine. A. Mutscheller. 1,754,799; Apr. 15.
 X-ray photographic apparatus. J. R. Kelley. 1,768,769; July 1.
 X-ray protective device. R. H. Wappler. 1,754,810; Apr. 15.
 X-ray radiator, Combination. S. Schvacho. 1,751,292; Mar. 18.
 X-ray tube. A. Bouwers. 1,770,151; July 8.
 X-rays, Rotary stop device for screening off secondary. F. Leiser. 1,780,085; Oct. 28.
 X-type engine, Multicylinder irregular. G. D. Angle. 1,772,124; Aug. 5.
 Xylophone finger, Multiple. B. Vitto. 1,761,245; June 3.
 Yarn and resulting products, Preparing textile. A. E. Meyer. 1,742,722; Jan. 14.
 Yarn and thread, Apparatus for twisting. E. R. Swanson. 1,778,284; Oct. 14.
 Yarn beam. J. Brandwood. 1,747,286; Feb. 18.
 Yarn-beating machine, Skein-. W. Taschner. 1,779,021; Oct. 21.
 Yarn carrier. B. A. Peterson. 1,763,861; June 17.
 Yarn carrier or tube frame. E. F. Hathaway. 1,760,271; May 27.
 Yarn-changing mechanism. W. F. Rolston. 1,767,480; June 24.
 Yarn cleaner. L. B. Hasbrouck. 1,773,485-6; Aug. 19.
 Yarn cleaner. E. C. Ripley. 1,745,505; Feb. 4.
 Yarn cleaner and slub detector. W. Marcroft and G. N. Taylor. 1,785,817; Dec. 23.
 Yarn, fabric, plastic, etc. C. Dreifus. 1,773,966; Aug. 26.
 Yarn-feeding device for knitting machines. H. L. Trudel and H. B. Dawson. 1,775,333; Sept. 9.
 Yarn in hollow mass formation, Apparatus for treating. W. N. Gere. 1,759,157; May 20.
 Yarn in mass, Apparatus for coloring portions of. J. S. Johnston. 1,745,097; Jan. 28.
 Yarn or threads wound upon spools, Washing. B. Borzykowski. 1,783,493; Dec. 2.
 Yarn, Preparing textile. A. E. Meyer. 1,743,723; Jan. 14.
 Yarn-tensioning device. J. O. McKean. 1,787,083; Dec. 30.
 Yarn-tensioning device. W. C. Stewart. 1,785,987; Dec. 23.
 Yarn, Treating. J. C. Hebden. 1,783,908; Dec. 2.
 Yarn-winding machine. E. A. Cuniff. 1,755,148; Apr. 15.
 Yarns, Apparatus for use in spool-dyeing. W. G. Abbott, jr. 1,775,922; Sept. 16.
 Yarns or fabrics, Finishing. F. J. Stokes. 1,779,831; Oct. 28.
 Yarns or threads, and apparatus therefor, Manufacture of. W. A. Dickie, T. H. Platts, and L. Latham. 1,784,581; Dec. 9.
 Yarns or threads, Treatment of. C. W. Addy, J. Billing, and H. Halkyard. 1,742,568; Jan. 7.
 Yeast and making the same. A. W. Hixson and N. E. A. Hugoson. 1,745,693; Feb. 4.
 Yeast, Apparatus for obtaining. O. Luhrs. 1,760,706; May 27.
 Yeast, Growing. A. K. Balls. 1,761,515; June 3.
 Yeast manufacture. J. H. Barrington. 1,784,618; Dec. 9.
 Yeast, Manufacture of. A. P. Harrison. 1,761,789; June 3.
 Yeast, Manufacture of. K. A. Jacobsen. 1,752,003; Mar. 25.
 Yeast, Manufacture of baking. H. Claassen. 1,774,546; Sept. 2.
 Yeast, Manufacturing. A. K. Balls. 1,759,536; May 20.
 Yeast, Manufacturing. G. S. Bratton. 1,767,846; June 24.
 Yeast, Preparation of. G. O. W. Heijckenskjöld. 1,757,568; May 6.
 Yeast producing high yields, Manufacture. R. McD. Allen and F. E. Timmer. 1,775,800; Sept. 16.
 Yeast, Purifying. G. T. Reich. 1,783,521; Dec. 2.
 Yoke construction for suspended carriers. F. C. Harris. 1,775,429; Sept. 9.
 Yoke for dresses, Rear. L. C. Rosenblatt. 1,758,852; May 13.
 Yoke means. C. E. Dath. 1,766,609; June 24.
 Zeolite. A. O. Jaeger and J. A. Bertsch. 1,782,353; Nov. 18.
 Zeolite and making same. S. Dahl-Rode. 1,745,337; Jan. 28.
 Zeolite water softener. G. F. Hodgkinson. 1,763,783; June 17.
 Zeolites, Regenerating mechanism for water-softening. T. O. Perry. 1,768,711; July 1.
 Zero-setting device. L. P. Crossman. 1,781,320; Nov. 11.
 Zinc and cadmium, Coating. A. Pacz. 1,784,106; Dec. 9.
 Zinc chloride, Manufacturing white. J. O. Betterton. 1,747,751; Feb. 18.
 Zinc chloride, Purifying. J. L. McClellan. 1,744,981; Jan. 28.
 Zinc dust and apparatus therefor, Preparing. H. A. Grine. 1,762,716; June 10.
 Zinc from oxygen compounds of zinc or substances containing oxygen compounds of zinc, Making. C. F. von Girssewald and H. Neumark. 1,751,778; Mar. 25.
 Zinc ore and the product obtained thereby, Reducing. E. C. Gaskill. 1,773,779; Aug. 26.
 Zinc ore, Purifying. O. Gerlach. 1,773,991; Aug. 26.
 Zinc-oxide content of lithopone, Reducing. A. B. Laftman. 1,780,559; Nov. 4.
 Zinc oxide, Manufacturing high-grade. F. E. Pierce. 1,781,702; Nov. 18.
 Zinc, Refining. F. R. Kemmer. 1,779,973; Oct. 28.
 Zinc slabs and the like, Apparatus for casting. D. M. Gray and J. J. Williams. 1,782,920; Nov. 25.
 Zinc solutions, Purification of. R. H. Stevens, G. C. Norris, and W. N. Watson. 1,778,987; Oct. 21.
 Zinciferous materials containing lead and/or cadmium, Treatment of. L. E. Teter. 1,779,862; Oct. 28.
 Zinciferous materials containing lead, Reducing. E. H. Bunce and G. T. Mahler. 1,749,127; Mar. 4.
 Zinciferous materials, Reducing. E. H. Bunce and G. T. Mahler. 1,749,126; Mar. 4.
 Zinc ore, Electric smelting of. E. C. Gaskill. 1,743,886; Jan. 14.
 Zinc oxide and manufacture thereof. E. C. Gaskill. 1,743,964; Jan. 14.
 Zinc sulphide, Making. E. C. Gaskill. 1,758,741; May 13.
 Zinc white, Apparatus for manufacturing. J. M. H. Cornillat. 1,751,396; Mar. 18.
 Zirconium and preparation thereof. W. P. Kiernan. 1,760,413; May 27.
 Zither mandolin. O. Merkel. Des. 80,575; Feb. 25.

LIST OF DISCLAIMERS ARRANGED BY INVENTIONS

- Abrasive and carrier, Combined. M. C. Hutto. No. 1,692,661; date of patent Nov. 20, 1928; disclaimer filed Mar. 26, 1930; v. 393; p. 256.
- Adhesive. O. Johnson. Reissue No. 16,422; date of patent reissue Sept. 14, 1926; disclaimer filed May 23, 1930; v. 395; p. 341.
- Animal trap. W. A. Gibbs. No. 1,450,691; date of patent June 2, 1925; disclaimer filed Oct. 11, 1930; v. 400; p. 1.
- Battery, Storage. W. H. Wood. No. 1,432,937; date of patent Oct. 24, 1922; disclaimer filed Apr. 10, 1930; v. 394; p. 11.
- Bed bottom. E. L. Klos. No. 1,732,814; date of patent Oct. 22, 1929; disclaimer filed Oct. 29, 1930; v. 400; p. 468.
- Binders, Flexible binder post for loose leaf. H. C. Miller. No. 1,184,979; date of patent May 30, 1916; disclaimer filed Feb. 24, 1930; v. 392; p. 239.
- Book-form saving bank. B. F. Greer. No. 1,460,716; date of patent July 3, 1923; disclaimer filed May 13, 1930; v. 395; p. 11.
- Brake. M. A. Thorne. No. 1,712,855; date of patent May 14, 1929; disclaimer filed Dec. 1, 1930; v. 401; p. 473.
- Brakes, Vacuum. J. T. Dickson. No. 1,076,198; date of patent Oct. 21, 1913; disclaimer filed June 10, 1930; v. 396; O. G. 1.
- Cable. C. R. Boggs. No. 1,752,974; date of patent Apr. 1, 1930; disclaimer filed Dec. 6, 1930; v. 401; p. 717.
- Canned fruits—namely, apricots, peaches, and cherries; canned vegetables—namely, tomatoes, peas, corn, and string beans; canned fish—namely, salmon; tea. The Kroger Grocery & Baking Company. Trade Mark No. 206,421; date of registration Dec. 1, 1925; disclaimer filed Oct. 23, 1930; v. 400; p. 230.
- Catalytic reactions, Process of carrying on. J. M. Selden. No. 1,647,317; date of patent Nov. 1, 1927; disclaimer filed Mar. 18, 1930; v. 393; p. 8.
- Compressors and the like, Control system for. B. S. Aikman. Reissue No. 16,041; date of patent Apr. 7, 1925; disclaimer filed Aug. 30, 1930; v. 397; p. 552.
- Container tube. R. G. F. Loewy. No. 1,607,993; date of patent Nov. 23, 1926; disclaimer filed Oct. 29, 1930; v. 400; p. 468.
- Converter, Frequency. C. M. Gilt. No. 1,593,400; date of patent July 20, 1920; disclaimer filed Nov. 12, 1930; v. 401; p. 233.
- Dough, Process of mixing. F. X. Lauterbur and E. J. Lauterbur. No. 1,672,264; date of patent June 5, 1928; disclaimer filed Feb. 13, 1930; v. 392; p. 8.
- Drain pit and grease rack. C. D. Fagan. No. 1,654,073; date of patent Dec. 27, 1927; disclaimer filed Apr. 29, 1930; v. 394; p. 553.
- Dynamo-electric machine. A. A. Pollock. No. 1,568,692; date of patent Jan. 5, 1926; disclaimer filed Oct. 24, 1930; v. 400; p. 468.
- Economizer. H. J. Kerr and J. E. Trainer. No. 1,715,037; date of patent May 28, 1929; disclaimer filed Aug. 5, 1930; v. 397; p. 551.
- Egg box. J. L. Coyle. No. 1,327,946; date of patent Jan. 13, 1920; disclaimer filed May 29, 1930; v. 395; p. 341.
- Electrical apparatus, Compensating for error-producing influences in. H. L. Tanner. No. 1,743,252; date of patent Jan. 14, 1930; disclaimer filed Oct. 3, 1930; v. 399; p. 413.
- Electric switch. A. D. McGibbon. No. 1,706,627; date of patent Mar. 26, 1929; disclaimer filed Mar. 19, 1930; v. 393; p. 256.
- Fiber board and the manufacture of same. J. R. Coolidge, 3d. No. 1,609,642; date of patent Dec. 7, 1926; disclaimer filed July 19, 1930; v. 397; p. 163.
- Filter. F. D. Herbert. No. 1,646,404; date of patent Oct. 25, 1927; disclaimer filed May 13, 1930; v. 395; p. 12.
- Fractional distillation, Process and apparatus for. M. B. Cooke. No. 1,744,261; date of patent Jan. 21, 1930; disclaimer filed Aug. 25, 1930; v. 398; p. 184.
- Furnace, Metallurgical. F. A. Fahrenwald. No. 1,623,469; date of patent Apr. 5, 1927; disclaimer filed Apr. 4, 1930; v. 393; p. 792.
- Gas-analysis apparatus. R. H. Krueger. No. 1,698,887; date of patent Jan. 15, 1929; disclaimer filed Aug. 9, 1930; v. 397; p. 551.
- Gas burner and the like. M. J. Roberts. No. 1,725,304; date of patent Aug. 20, 1929; disclaimer filed Oct. 15, 1930; v. 400; p. 230.
- Gasoline, Manufacture of. R. F. Bacon and B. T. Brooks. Nos. 1,131,309 and 1,439,683; date of patent Dec. 26, 1922; disclaimers filed Aug. 25, 1930; v. 398; p. 351. Two cases.
- Hydrocarbon oils, Distillation of. R. E. Wilson. No. 1,758,590; date of patent May 13, 1930; disclaimer filed Aug. 29, 1930; v. 398; p. 351.
- Lathe. C. Gordon and A. W. Redlin. No. 1,542,803; date of patent June 16, 1925; disclaimer filed Feb. 24, 1930; v. 392; p. 735.
- Lightning arrester. L. S. Brach. No. 1,752,660; date of patent Apr. 1, 1930; disclaimer filed Nov. 24, 1930; v. 401; p. 473.
- Lip-stick holder. W. G. Kendall. No. 1,480,449; date of patent Jan. 8, 1924; disclaimer filed May 23, 1930; v. 395; p. 341.
- Machine for manufacturing packets for packing cigarettes or other matters. G. C. Ekström and G. Örström. No. 1,499,204; date of patent June 24, 1924; disclaimer filed Feb. 4, 1930; v. 391; p. 758.
- Machine tools, Oil-gear control for. R. M. Galloway. No. 1,685,049; date of patent Sept. 18, 1928; disclaimer filed July 30, 1930; v. 397; p. 357.
- Magnetic device. E. D. Mead. No. 1,743,470; date of patent Jan. 14, 1930; disclaimer filed Aug. 4, 1930; v. 397; p. 552.
- Metal assembling and working machine, Sheet-. H. Hermani. No. 1,620,205; date of patent Mar. 8, 1927; disclaimer filed Dec. 28, 1929; v. 390; p. 263.
- Meter, Road-bearing. F. J. Troll. No. 1,458,920; date of patent June 12, 1923; disclaimer filed Apr. 30, 1930; v. 394; p. 553.
- Mica-fake-sorting machine. J. M. Coffey. No. 1,720,666; date of patent July 16, 1929; disclaimer filed Jan. 16, 1930; v. 391; p. 8.
- Motor control, Air-driven. R. H. Ranger. No. 1,776,372; date of patent Sept. 23, 1930; disclaimer filed Nov. 28, 1930; v. 401; p. 473.
- Motor vehicles, System of transporting heavy loads by. T. Pescatore. No. 1,084,820; date of patent Jan. 20, 1914; disclaimer filed July 17, 1930; v. 397; p. 9.
- Necktie. J. E. Langsdorf. No. 1,447,090; date of patent Feb. 27, 1923; disclaimer filed Aug. 12, 1930; v. 398; p. 184.
- Oil wells, Testing device for. C. R. Edwards. No. 1,514,585; date of patent Nov. 4, 1924; disclaimer filed July 3, 1930; v. 396; p. 701.
- Outboard motors, Water cooling system for. L. J. Johnson. No. 1,567,512; date of patent Dec. 29, 1925; disclaimer filed June 23, 1930; v. 396; p. 517.
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